

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

TWDB CONTRACT NO. 2100012466
 FINAL REPORT
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APPENDIX 2-G: OTHER WAM INPUT FILES
HYDROLOGIC INDEX SERIES FILE (.HIS FILE)

** Brazos G WAM HIS File
 ** HIS using BBASC data through Feb 2013 and updated PDHI through 2015

HIUP-DRY	1940	1	1	1	1	1	1	0	0	0	0	0	0
HIUP-DRY	1941	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1942	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1943	0	0	0	0	0	0	0	0	0	0	1	1
HIUP-DRY	1944	1	1	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1945	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1946	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1947	0	0	0	0	0	0	0	0	0	0	1	1
HIUP-DRY	1948	1	1	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1949	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1950	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1951	0	0	1	1	1	1	1	1	1	1	1	1
HIUP-DRY	1952	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-DRY	1953	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-DRY	1954	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-DRY	1955	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-DRY	1956	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-DRY	1957	1	1	1	1	1	1	0	0	0	0	0	0
HIUP-DRY	1958	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1959	0	0	1	1	1	1	1	1	1	1	0	0
HIUP-DRY	1960	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1961	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1962	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1963	0	0	0	0	0	0	0	0	0	0	1	1
HIUP-DRY	1964	1	1	0	0	0	0	1	1	1	1	1	1
HIUP-DRY	1965	1	1	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1966	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1967	0	0	1	1	1	1	1	1	1	1	1	1
HIUP-DRY	1968	1	1	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1969	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1970	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1971	0	0	1	1	1	1	1	1	1	1	0	0
HIUP-DRY	1972	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1973	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1974	0	0	0	0	0	0	1	1	1	1	0	0
HIUP-DRY	1975	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1976	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1977	0	0	0	0	0	0	0	0	0	0	1	1
HIUP-DRY	1978	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-DRY	1979	1	1	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1980	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1981	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1982	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1983	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1984	0	0	0	0	0	0	1	1	1	1	0	0
HIUP-DRY	1985	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1986	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1987	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1988	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1989	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1990	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1991	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1992	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1993	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1994	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1995	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1996	0	0	0	0	0	0	1	1	1	1	0	0
HIUP-DRY	1997	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	1998	0	0	0	0	0	0	0	0	0	0	1	1
HIUP-DRY	1999	1	1	1	1	1	1	0	0	0	0	0	0
HIUP-DRY	2000	0	0	1	1	1	1	0	0	0	0	1	1
HIUP-DRY	2001	1	1	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	2002	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	2003	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	2004	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	2005	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	2006	0	0	1	1	1	1	1	1	1	1	1	1
HIUP-DRY	2007	1	1	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	2008	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	2009	0	0	1	1	1	1	1	1	1	1	0	0
HIUP-DRY	2010	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-DRY	2011	0	0	0	0	0	0	1	1	1	1	1	1
HIUP-DRY	2012	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-DRY	2013	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-DRY	2014	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-DRY	2015	1	1	0	0	0	0	0	0	0	0	0	0
HIUP-AVG	1940	0	0	0	0	0	0	1	1	1	1	1	1
HIUP-AVG	1941	1	1	0	0	0	0	0	0	0	0	0	0

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HIUP-AVG	1942	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-AVG	1943	0	0	0	0	0	0	1	1	1	1	0	0
HIUP-AVG	1944	0	0	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	1945	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	1946	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	1947	1	1	1	1	1	1	1	1	1	1	0	0
HIUP-AVG	1948	0	0	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	1949	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	1950	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	1951	1	1	0	0	0	0	0	0	0	0	0	0
HIUP-AVG	1952	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-AVG	1953	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-AVG	1954	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-AVG	1955	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-AVG	1956	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-AVG	1957	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-AVG	1958	0	0	0	0	0	0	0	0	0	0	1	1
HIUP-AVG	1959	1	1	0	0	0	0	0	0	0	0	1	1
HIUP-AVG	1960	1	1	0	0	0	0	1	1	1	1	1	1
HIUP-AVG	1961	1	1	0	0	0	0	0	0	0	0	0	0
HIUP-AVG	1962	0	0	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	1963	1	1	1	1	1	1	1	1	1	1	0	0
HIUP-AVG	1964	0	0	1	1	1	1	0	0	0	0	0	0
HIUP-AVG	1965	0	0	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	1966	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	1967	1	1	0	0	0	0	0	0	0	0	0	0
HIUP-AVG	1968	0	0	1	1	1	1	0	0	0	0	1	1
HIUP-AVG	1969	1	1	1	1	1	1	0	0	0	0	0	0
HIUP-AVG	1970	0	0	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	1971	1	1	0	0	0	0	0	0	0	0	1	1
HIUP-AVG	1972	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	1973	1	1	0	0	0	0	0	0	0	0	0	0
HIUP-AVG	1974	0	0	1	1	1	1	0	0	0	0	0	0
HIUP-AVG	1975	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-AVG	1976	0	0	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	1977	1	1	1	1	1	1	1	1	1	1	0	0
HIUP-AVG	1978	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-AVG	1979	0	0	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	1980	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	1981	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	1982	1	1	1	1	1	1	0	0	0	0	1	1
HIUP-AVG	1983	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	1984	1	1	1	1	1	1	0	0	0	0	1	1
HIUP-AVG	1985	1	1	0	0	0	0	0	0	0	0	0	0
HIUP-AVG	1986	0	0	1	1	1	1	1	1	1	1	0	0
HIUP-AVG	1987	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-AVG	1988	0	0	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	1989	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	1990	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	1991	1	1	1	1	1	1	1	1	1	1	0	0
HIUP-AVG	1992	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-AVG	1993	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-AVG	1994	0	0	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	1995	1	1	1	1	1	1	1	1	1	1	0	0
HIUP-AVG	1996	0	0	1	1	1	1	0	0	0	0	1	1
HIUP-AVG	1997	1	1	0	0	0	0	0	0	0	0	0	0
HIUP-AVG	1998	0	0	0	0	0	0	1	1	1	1	0	0
HIUP-AVG	1999	0	0	0	0	0	0	1	1	1	1	1	1
HIUP-AVG	2000	1	1	0	0	0	0	1	1	1	1	0	0
HIUP-AVG	2001	0	0	0	0	0	0	1	1	1	1	1	1
HIUP-AVG	2002	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	2003	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	2004	1	1	1	1	1	1	1	1	1	1	0	0
HIUP-AVG	2005	0	0	0	0	0	0	0	0	0	0	1	1
HIUP-AVG	2006	1	1	0	0	0	0	0	0	0	0	0	0
HIUP-AVG	2007	0	0	1	1	1	1	0	0	0	0	0	0
HIUP-AVG	2008	0	0	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	2009	1	1	0	0	0	0	0	0	0	0	1	1
HIUP-AVG	2010	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-AVG	2011	1	1	1	1	1	1	0	0	0	0	0	0
HIUP-AVG	2012	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-AVG	2013	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-AVG	2014	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-AVG	2015	0	0	1	1	1	1	0	0	0	0	0	0
HIUP-WET	1940	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1941	0	0	1	1	1	1	1	1	1	1	1	1
HIUP-WET	1942	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-WET	1943	1	1	1	1	1	1	0	0	0	0	0	0
HIUP-WET	1944	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1945	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1946	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1947	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1948	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1949	0	0	0	0	0	0	0	0	0	0	0	0

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HIUP-WET	1950	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1951	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1952	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1953	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1954	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1955	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1956	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1957	0	0	0	0	0	0	1	1	1	1	1	1
HIUP-WET	1958	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-WET	1959	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1960	0	0	1	1	1	1	0	0	0	0	0	0
HIUP-WET	1961	0	0	1	1	1	1	1	1	1	1	1	1
HIUP-WET	1962	1	1	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1963	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1964	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1965	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1966	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1967	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1968	0	0	0	0	0	0	1	1	1	1	0	0
HIUP-WET	1969	0	0	0	0	0	0	1	1	1	1	1	1
HIUP-WET	1970	1	1	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1971	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1972	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1973	0	0	1	1	1	1	1	1	1	1	1	1
HIUP-WET	1974	1	1	0	0	0	0	0	0	0	0	1	1
HIUP-WET	1975	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-WET	1976	1	1	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1977	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1978	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1979	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1980	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1981	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1982	0	0	0	0	0	0	1	1	1	1	0	0
HIUP-WET	1983	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1984	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1985	0	0	1	1	1	1	1	1	1	1	1	1
HIUP-WET	1986	1	1	0	0	0	0	0	0	0	0	1	1
HIUP-WET	1987	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-WET	1988	1	1	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1989	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1990	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1991	0	0	0	0	0	0	0	0	0	0	1	1
HIUP-WET	1992	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-WET	1993	1	1	1	1	1	1	1	1	1	1	1	1
HIUP-WET	1994	1	1	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1995	0	0	0	0	0	0	0	0	0	0	1	1
HIUP-WET	1996	1	1	0	0	0	0	0	0	0	0	0	0
HIUP-WET	1997	0	0	1	1	1	1	1	1	1	1	1	1
HIUP-WET	1998	1	1	1	1	1	1	0	0	0	0	0	0
HIUP-WET	1999	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	2000	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	2001	0	0	1	1	1	1	0	0	0	0	0	0
HIUP-WET	2002	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	2003	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	2004	0	0	0	0	0	0	0	0	0	0	1	1
HIUP-WET	2005	1	1	1	1	1	1	1	1	1	1	0	0
HIUP-WET	2006	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	2007	0	0	0	0	0	0	1	1	1	1	1	1
HIUP-WET	2008	1	1	0	0	0	0	0	0	0	0	0	0
HIUP-WET	2009	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	2010	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	2011	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	2012	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	2013	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	2014	0	0	0	0	0	0	0	0	0	0	0	0
HIUP-WET	2015	0	0	0	0	0	1	1	1	1	1	1	1
** Middle Basin													
HIMIDDRY	1940	1	1	1	1	1	1	0	0	0	0	0	0
HIMIDDRY	1941	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1942	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1943	0	0	0	0	0	0	0	0	0	0	1	1
HIMIDDRY	1944	1	1	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1945	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1946	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1947	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1948	0	0	0	0	0	0	0	0	0	0	1	1
HIMIDDRY	1949	1	1	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1950	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1951	0	0	1	1	1	1	1	1	1	1	1	1
HIMIDDRY	1952	1	1	1	1	1	1	1	1	1	1	1	1
HIMIDDRY	1953	1	1	1	1	1	1	1	1	1	1	1	1
HIMIDDRY	1954	1	1	1	1	1	1	1	1	1	1	1	1
HIMIDDRY	1955	1	1	1	1	1	1	1	1	1	1	1	1
HIMIDDRY	1956	1	1	1	1	1	1	1	1	1	1	1	1

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HIMIDDRY	1957	1	1	1	1	1	1	0	0	0	0	0	0
HIMIDDRY	1958	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1959	0	0	1	1	1	1	1	1	1	1	0	0
HIMIDDRY	1960	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1961	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1962	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1963	0	0	0	0	0	1	1	1	1	1	1	1
HIMIDDRY	1964	1	1	1	1	1	1	1	1	1	1	0	0
HIMIDDRY	1965	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1966	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1967	0	0	1	1	1	1	1	1	1	1	1	1
HIMIDDRY	1968	1	1	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1969	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1970	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1971	0	0	1	1	1	1	1	1	1	1	0	0
HIMIDDRY	1972	0	0	0	0	0	1	1	1	1	1	0	0
HIMIDDRY	1973	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1974	0	0	0	0	0	1	1	1	1	1	0	0
HIMIDDRY	1975	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1976	0	0	1	1	1	1	0	0	0	0	0	0
HIMIDDRY	1977	0	0	0	0	0	0	0	0	0	0	1	1
HIMIDDRY	1978	1	1	1	1	1	1	1	1	1	1	1	1
HIMIDDRY	1979	1	1	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1980	0	0	0	0	0	0	0	0	0	0	1	1
HIMIDDRY	1981	1	1	1	1	1	1	0	0	0	0	0	0
HIMIDDRY	1982	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1983	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1984	0	0	0	0	0	1	1	1	1	1	0	0
HIMIDDRY	1985	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1986	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1987	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1988	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1989	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1990	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1991	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1992	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1993	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1994	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1995	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1996	0	0	1	1	1	1	1	1	1	1	0	0
HIMIDDRY	1997	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	1998	0	0	0	0	0	0	0	0	0	0	1	1
HIMIDDRY	1999	1	1	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	2000	0	0	1	1	1	1	0	0	0	0	1	1
HIMIDDRY	2001	1	1	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	2002	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	2003	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	2004	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	2005	0	0	0	0	0	0	0	0	0	0	1	1
HIMIDDRY	2006	1	1	1	1	1	1	1	1	1	1	1	1
HIMIDDRY	2007	1	1	1	1	1	1	0	0	0	0	0	0
HIMIDDRY	2008	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	2009	0	0	1	1	1	1	1	1	1	1	0	0
HIMIDDRY	2010	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDDRY	2011	0	0	0	0	0	1	1	1	1	1	1	1
HIMIDDRY	2012	1	1	0	0	0	1	1	1	1	1	1	1
HIMIDDRY	2013	1	1	1	1	1	1	1	1	1	1	1	1
HIMIDDRY	2014	1	1	1	1	1	1	0	0	0	0	0	0
HIMIDDRY	2015	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDAVG	1940	0	0	0	0	0	1	1	1	1	1	1	1
HIMIDAVG	1941	1	1	0	0	0	0	0	0	0	0	0	0
HIMIDAVG	1942	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDAVG	1943	0	0	1	1	1	1	1	1	1	1	0	0
HIMIDAVG	1944	0	0	1	1	1	1	1	1	1	1	1	1
HIMIDAVG	1945	1	1	1	1	1	1	0	0	0	0	0	0
HIMIDAVG	1946	0	0	1	1	1	1	1	1	1	1	1	1
HIMIDAVG	1947	1	1	1	1	1	1	1	1	1	1	1	1
HIMIDAVG	1948	1	1	1	1	1	1	1	1	1	1	0	0
HIMIDAVG	1949	0	0	1	1	1	1	1	1	1	1	1	1
HIMIDAVG	1950	1	1	1	1	1	1	1	1	1	1	1	1
HIMIDAVG	1951	1	1	0	0	0	0	0	0	0	0	0	0
HIMIDAVG	1952	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDAVG	1953	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDAVG	1954	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDAVG	1955	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDAVG	1956	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDAVG	1957	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDAVG	1958	0	0	0	0	0	0	0	0	0	0	1	1
HIMIDAVG	1959	1	1	0	0	0	0	0	0	0	0	1	1
HIMIDAVG	1960	1	1	0	0	0	1	1	1	1	1	1	1
HIMIDAVG	1961	1	1	1	1	1	1	1	1	1	1	1	1
HIMIDAVG	1962	1	1	1	1	1	1	1	1	1	1	1	1
HIMIDAVG	1963	1	1	1	1	1	1	0	0	0	0	0	0
HIMIDAVG	1964	0	0	0	0	0	0	0	0	0	1	1	1

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HIMIDAVG	1965	1	1	1	1	1	1	1	1	1	1	1	1
HIMIDAVG	1966	1	1	1	1	1	1	1	1	1	1	1	1
HIMIDAVG	1967	1	1	0	0	0	0	0	0	0	0	0	0
HIMIDAVG	1968	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDAVG	1969	0	0	1	1	1	1	1	1	1	1	1	1
HIMIDAVG	1970	1	1	1	1	1	1	1	1	1	1	1	1
HIMIDAVG	1971	1	1	0	0	0	0	0	0	0	0	1	1
HIMIDAVG	1972	1	1	1	1	1	1	0	0	0	0	1	1
HIMIDAVG	1973	1	1	1	1	1	1	1	1	1	1	0	0
HIMIDAVG	1974	0	0	1	1	1	1	0	0	0	0	0	0
HIMIDAVG	1975	0	0	0	0	0	0	0	0	0	0	1	1
HIMIDAVG	1976	1	1	0	0	0	0	1	1	1	1	0	0
HIMIDAVG	1977	0	0	0	0	0	0	1	1	1	1	0	0
HIMIDAVG	1978	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDAVG	1979	0	0	1	1	1	1	1	1	1	1	1	1
HIMIDAVG	1980	1	1	1	1	1	1	1	1	1	1	0	0
HIMIDAVG	1981	0	0	0	0	0	0	1	1	1	1	0	0
HIMIDAVG	1982	0	0	1	1	1	1	0	0	0	0	1	1
HIMIDAVG	1983	1	1	1	1	1	1	1	1	1	1	1	1
HIMIDAVG	1984	1	1	1	1	1	1	0	0	0	0	1	1
HIMIDAVG	1985	1	1	0	0	0	0	1	1	1	1	1	1
HIMIDAVG	1986	1	1	1	1	1	1	1	1	1	1	0	0
HIMIDAVG	1987	0	0	0	0	0	0	0	0	0	0	1	1
HIMIDAVG	1988	1	1	1	1	1	1	1	1	1	1	1	1
HIMIDAVG	1989	1	1	1	1	1	1	0	0	0	0	0	0
HIMIDAVG	1990	0	0	1	1	1	1	1	1	1	1	1	1
HIMIDAVG	1991	1	1	1	1	1	1	1	1	1	1	0	0
HIMIDAVG	1992	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDAVG	1993	0	0	0	0	0	0	0	0	0	0	1	1
HIMIDAVG	1994	1	1	1	1	1	1	1	1	1	1	1	1
HIMIDAVG	1995	1	1	1	1	1	1	0	0	0	0	0	0
HIMIDAVG	1996	0	0	0	0	0	0	0	0	0	0	1	1
HIMIDAVG	1997	1	1	0	0	0	0	0	0	0	0	0	0
HIMIDAVG	1998	0	0	0	0	0	0	1	1	1	1	0	0
HIMIDAVG	1999	0	0	1	1	1	1	1	1	1	1	1	1
HIMIDAVG	2000	1	1	0	0	0	0	1	1	1	1	0	0
HIMIDAVG	2001	0	0	0	0	0	0	1	1	1	1	1	1
HIMIDAVG	2002	1	1	1	1	1	1	1	1	1	1	1	1
HIMIDAVG	2003	1	1	1	1	1	1	1	1	1	1	1	1
HIMIDAVG	2004	1	1	1	1	1	1	1	1	1	1	0	0
HIMIDAVG	2005	0	0	0	0	0	0	1	1	1	1	0	0
HIMIDAVG	2006	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDAVG	2007	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDAVG	2008	0	0	1	1	1	1	1	1	1	1	1	1
HIMIDAVG	2009	1	1	0	0	0	0	0	0	0	0	0	0
HIMIDAVG	2010	0	0	0	0	0	0	1	1	1	1	1	1
HIMIDAVG	2011	1	1	1	1	1	1	0	0	0	0	0	0
HIMIDAVG	2012	0	0	1	1	1	1	0	0	0	0	0	0
HIMIDAVG	2013	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDAVG	2014	0	0	0	0	0	0	1	1	1	1	1	1
HIMIDAVG	2015	1	1	1	1	1	1	0	0	0	0	0	0
HIMIDWET	1940	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1941	0	0	1	1	1	1	1	1	1	1	1	1
HIMIDWET	1942	1	1	1	1	1	1	1	1	1	1	1	1
HIMIDWET	1943	1	1	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1944	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1945	0	0	0	0	0	0	1	1	1	1	1	1
HIMIDWET	1946	1	1	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1947	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1948	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1949	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1950	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1951	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1952	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1953	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1954	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1955	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1956	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1957	0	0	0	0	0	0	1	1	1	1	1	1
HIMIDWET	1958	1	1	1	1	1	1	1	1	1	1	0	0
HIMIDWET	1959	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1960	0	0	1	1	1	1	0	0	0	0	0	0
HIMIDWET	1961	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1962	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1963	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1964	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1965	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1966	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1967	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1968	0	0	1	1	1	1	1	1	1	1	1	1
HIMIDWET	1969	1	1	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1970	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1971	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1972	0	0	0	0	0	0	0	0	0	0	0	0

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HIMIDWET	1973	0	0	0	0	0	0	0	0	0	0	1	1
HIMIDWET	1974	1	1	0	0	0	0	0	0	0	0	1	1
HIMIDWET	1975	1	1	1	1	1	1	1	1	1	1	0	0
HIMIDWET	1976	0	0	0	0	0	0	0	0	0	0	1	1
HIMIDWET	1977	1	1	1	1	1	1	0	0	0	0	0	0
HIMIDWET	1978	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1979	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1980	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1981	0	0	0	0	0	0	0	0	0	0	1	1
HIMIDWET	1982	1	1	0	0	0	0	1	1	1	1	0	0
HIMIDWET	1983	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1984	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1985	0	0	1	1	1	1	0	0	0	0	0	0
HIMIDWET	1986	0	0	0	0	0	0	0	0	0	0	1	1
HIMIDWET	1987	1	1	1	1	1	1	1	1	1	1	0	0
HIMIDWET	1988	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1989	0	0	0	0	0	0	1	1	1	1	1	1
HIMIDWET	1990	1	1	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1991	0	0	0	0	0	0	0	0	0	0	1	1
HIMIDWET	1992	1	1	1	1	1	1	1	1	1	1	1	1
HIMIDWET	1993	1	1	1	1	1	1	1	1	1	1	0	0
HIMIDWET	1994	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1995	0	0	0	0	0	0	1	1	1	1	1	1
HIMIDWET	1996	1	1	0	0	0	0	0	0	0	0	0	0
HIMIDWET	1997	0	0	1	1	1	1	1	1	1	1	1	1
HIMIDWET	1998	1	1	1	1	1	1	0	0	0	0	0	0
HIMIDWET	1999	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	2000	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	2001	0	0	1	1	1	1	0	0	0	0	0	0
HIMIDWET	2002	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	2003	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	2004	0	0	0	0	0	0	0	0	0	0	1	1
HIMIDWET	2005	1	1	1	1	1	1	0	0	0	0	0	0
HIMIDWET	2006	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	2007	0	0	0	0	0	0	1	1	1	1	1	1
HIMIDWET	2008	1	1	0	0	0	0	0	0	0	0	0	0
HIMIDWET	2009	0	0	0	0	0	0	0	0	0	0	1	1
HIMIDWET	2010	1	1	1	1	1	1	0	0	0	0	0	0
HIMIDWET	2011	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	2012	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	2013	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	2014	0	0	0	0	0	0	0	0	0	0	0	0
HIMIDWET	2015	0	0	0	0	0	0	1	1	1	1	1	1
** Lower Basin													
HILOWDRY	1940	1	1	1	1	1	1	0	0	0	0	0	0
HILOWDRY	1941	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1942	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1943	0	0	0	0	0	0	0	0	0	0	1	1
HILOWDRY	1944	1	1	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1945	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1946	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1947	0	0	0	0	0	0	0	0	0	0	1	1
HILOWDRY	1948	1	1	0	0	0	0	0	0	0	0	1	1
HILOWDRY	1949	1	1	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1950	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1951	0	0	1	1	1	1	1	1	1	1	1	1
HILOWDRY	1952	1	1	1	1	1	1	1	1	1	1	1	1
HILOWDRY	1953	1	1	1	1	1	1	1	1	1	1	0	0
HILOWDRY	1954	0	0	1	1	1	1	1	1	1	1	1	1
HILOWDRY	1955	1	1	1	1	1	1	1	1	1	1	1	1
HILOWDRY	1956	1	1	1	1	1	1	1	1	1	1	1	1
HILOWDRY	1957	1	1	1	1	1	1	0	0	0	0	0	0
HILOWDRY	1958	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1959	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1960	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1961	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1962	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1963	0	0	0	0	0	0	1	1	1	1	1	1
HILOWDRY	1964	1	1	1	1	1	1	1	1	1	1	0	0
HILOWDRY	1965	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1966	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1967	0	0	1	1	1	1	1	1	1	1	0	0
HILOWDRY	1968	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1969	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1970	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1971	0	0	1	1	1	1	1	1	1	1	0	0
HILOWDRY	1972	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1973	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1974	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1975	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1976	0	0	1	1	1	1	0	0	0	0	0	0
HILOWDRY	1977	0	0	0	0	0	0	0	0	0	0	1	1
HILOWDRY	1978	1	1	1	1	1	1	1	1	1	1	1	1
HILOWDRY	1979	1	1	0	0	0	0	0	0	0	0	0	0

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



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HILOWDRY	1980	0	0	0	0	0	0	0	0	0	0	1	1
HILOWDRY	1981	1	1	1	1	1	1	0	0	0	0	0	0
HILOWDRY	1982	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1983	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1984	0	0	0	0	0	0	1	1	1	1	0	0
HILOWDRY	1985	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1986	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1987	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1988	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1989	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1990	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1991	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1992	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1993	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1994	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1995	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1996	0	0	1	1	1	1	1	1	1	1	0	0
HILOWDRY	1997	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1998	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	1999	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	2000	0	0	1	1	1	1	1	1	1	1	1	1
HILOWDRY	2001	1	1	0	0	0	0	0	0	0	0	0	0
HILOWDRY	2002	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	2003	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	2004	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	2005	0	0	0	0	0	0	0	0	0	0	1	1
HILOWDRY	2006	1	1	1	1	1	1	1	1	1	1	1	1
HILOWDRY	2007	1	1	0	0	0	0	0	0	0	0	0	0
HILOWDRY	2008	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	2009	0	0	1	1	1	1	1	1	1	1	0	0
HILOWDRY	2010	0	0	0	0	0	0	0	0	0	0	0	0
HILOWDRY	2011	0	0	0	0	0	0	1	1	1	1	1	1
HILOWDRY	2012	1	1	1	1	1	1	1	1	1	1	1	1
HILOWDRY	2013	1	1	1	1	1	1	1	1	1	1	0	0
HILOWDRY	2014	0	0	1	1	1	1	0	0	0	0	0	0
HILOWDRY	2015	0	0	0	0	0	0	0	0	0	0	0	0
HILOWAVG	1940	0	0	0	0	0	0	1	1	1	1	1	1
HILOWAVG	1941	1	1	0	0	0	0	0	0	0	0	0	0
HILOWAVG	1942	0	0	0	0	0	0	0	0	0	0	0	0
HILOWAVG	1943	0	0	1	1	1	1	1	1	1	1	0	0
HILOWAVG	1944	0	0	1	1	1	1	1	1	1	1	1	1
HILOWAVG	1945	1	1	1	1	1	1	0	0	0	0	0	0
HILOWAVG	1946	0	0	0	0	0	0	0	0	0	0	1	1
HILOWAVG	1947	1	1	1	1	1	1	1	1	1	1	0	0
HILOWAVG	1948	0	0	1	1	1	1	1	1	1	1	0	0
HILOWAVG	1949	0	0	1	1	1	1	1	1	1	1	1	1
HILOWAVG	1950	1	1	1	1	1	1	1	1	1	1	1	1
HILOWAVG	1951	1	1	0	0	0	0	0	0	0	0	0	0
HILOWAVG	1952	0	0	0	0	0	0	0	0	0	0	0	0
HILOWAVG	1953	0	0	0	0	0	0	0	0	0	0	1	1
HILOWAVG	1954	1	1	0	0	0	0	0	0	0	0	0	0
HILOWAVG	1955	0	0	0	0	0	0	0	0	0	0	0	0
HILOWAVG	1956	0	0	0	0	0	0	0	0	0	0	0	0
HILOWAVG	1957	0	0	0	0	0	0	0	0	0	0	0	0
HILOWAVG	1958	0	0	0	0	0	0	0	0	0	0	0	0
HILOWAVG	1959	0	0	1	1	1	1	1	1	1	1	1	1
HILOWAVG	1960	1	1	0	0	0	0	1	1	1	1	1	1
HILOWAVG	1961	1	1	0	0	0	0	1	1	1	1	1	1
HILOWAVG	1962	1	1	1	1	1	1	1	1	1	1	1	1
HILOWAVG	1963	1	1	1	1	1	1	0	0	0	0	0	0
HILOWAVG	1964	0	0	0	0	0	0	0	0	0	0	1	1
HILOWAVG	1965	1	1	1	1	1	1	1	1	1	1	1	1
HILOWAVG	1966	1	1	1	1	1	1	1	1	1	1	1	1
HILOWAVG	1967	1	1	0	0	0	0	0	0	0	0	1	1
HILOWAVG	1968	1	1	0	0	0	0	0	0	0	0	0	0
HILOWAVG	1969	0	0	0	0	0	0	0	0	0	0	1	1
HILOWAVG	1970	1	1	1	1	1	1	1	1	1	1	1	1
HILOWAVG	1971	1	1	0	0	0	0	0	0	0	0	1	1
HILOWAVG	1972	1	1	1	1	1	1	1	1	1	1	1	1
HILOWAVG	1973	1	1	1	1	1	1	0	0	0	0	0	0
HILOWAVG	1974	0	0	0	0	0	0	1	1	1	1	0	0
HILOWAVG	1975	0	0	0	0	0	0	0	0	0	0	1	1
HILOWAVG	1976	1	1	0	0	0	0	1	1	1	1	0	0
HILOWAVG	1977	0	0	0	0	0	0	1	1	1	1	0	0
HILOWAVG	1978	0	0	0	0	0	0	0	0	0	0	0	0
HILOWAVG	1979	0	0	1	1	1	1	0	0	0	0	0	0
HILOWAVG	1980	0	0	1	1	1	1	1	1	1	1	0	0
HILOWAVG	1981	0	0	0	0	0	0	1	1	1	1	0	0
HILOWAVG	1982	0	0	1	1	1	1	0	0	0	0	1	1
HILOWAVG	1983	1	1	1	1	1	1	1	1	1	1	1	1
HILOWAVG	1984	1	1	1	1	1	1	0	0	0	0	1	1
HILOWAVG	1985	1	1	0	0	0	0	1	1	1	1	1	1
HILOWAVG	1986	1	1	1	1	1	1	1	1	1	1	1	1
HILOWAVG	1987	1	1	0	0	0	0	0	0	0	0	1	1

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HILOWAVG	1988	1	1	1	1	1	1	1	1	1	1	1	1
HILOWAVG	1989	1	1	1	1	1	1	1	1	1	1	1	1
HILOWAVG	1990	1	1	1	1	1	1	1	1	1	1	1	1
HILOWAVG	1991	1	1	1	1	1	1	1	1	1	1	0	0
HILOWAVG	1992	0	0	0	0	0	0	0	0	0	0	0	0
HILOWAVG	1993	0	0	0	0	0	0	0	0	0	0	1	1
HILOWAVG	1994	1	1	1	1	1	1	1	1	1	1	1	1
HILOWAVG	1995	1	1	1	1	1	1	0	0	0	0	1	1
HILOWAVG	1996	1	1	0	0	0	0	0	0	0	0	1	1
HILOWAVG	1997	1	1	0	0	0	0	0	0	0	0	0	0
HILOWAVG	1998	0	0	0	0	0	0	1	1	1	1	1	1
HILOWAVG	1999	1	1	1	1	1	1	1	1	1	1	1	1
HILOWAVG	2000	1	1	0	0	0	0	0	0	0	0	0	0
HILOWAVG	2001	0	0	0	0	0	0	1	1	1	1	1	1
HILOWAVG	2002	1	1	1	1	1	1	1	1	1	1	0	0
HILOWAVG	2003	0	0	0	0	0	0	1	1	1	1	1	1
HILOWAVG	2004	1	1	1	1	1	1	1	1	1	1	0	0
HILOWAVG	2005	0	0	0	0	0	0	1	1	1	1	0	0
HILOWAVG	2006	0	0	0	0	0	0	0	0	0	0	0	0
HILOWAVG	2007	0	0	1	1	1	1	0	0	0	0	0	0
HILOWAVG	2008	0	0	1	1	1	1	1	1	1	1	1	1
HILOWAVG	2009	1	1	0	0	0	0	0	0	0	0	1	1
HILOWAVG	2010	1	1	0	0	0	0	1	1	1	1	1	1
HILOWAVG	2011	1	1	1	1	1	1	0	0	0	0	0	0
HILOWAVG	2012	0	0	0	0	0	0	0	0	0	0	0	0
HILOWAVG	2013	0	0	0	0	0	0	0	0	0	0	1	1
HILOWAVG	2014	1	1	0	0	0	0	1	1	1	1	1	1
HILOWAVG	2015	1	1	1	1	1	1	0	0	0	0	0	0
HILOWWET	1940	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1941	0	0	1	1	1	1	1	1	1	1	1	1
HILOWWET	1942	1	1	1	1	1	1	1	1	1	1	1	1
HILOWWET	1943	1	1	0	0	0	0	0	0	0	0	0	0
HILOWWET	1944	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1945	0	0	0	0	0	0	1	1	1	1	1	1
HILOWWET	1946	1	1	1	1	1	1	1	1	1	1	0	0
HILOWWET	1947	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1948	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1949	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1950	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1951	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1952	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1953	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1954	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1955	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1956	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1957	0	0	0	0	0	0	1	1	1	1	1	1
HILOWWET	1958	1	1	1	1	1	1	1	1	1	1	1	1
HILOWWET	1959	1	1	0	0	0	0	0	0	0	0	0	0
HILOWWET	1960	0	0	1	1	1	1	0	0	0	0	0	0
HILOWWET	1961	0	0	1	1	1	1	0	0	0	0	0	0
HILOWWET	1962	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1963	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1964	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1965	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1966	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1967	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1968	0	0	1	1	1	1	1	1	1	1	1	1
HILOWWET	1969	1	1	1	1	1	1	1	1	1	1	0	0
HILOWWET	1970	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1971	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1972	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1973	0	0	0	0	0	0	1	1	1	1	1	1
HILOWWET	1974	1	1	1	1	1	1	0	0	0	0	1	1
HILOWWET	1975	1	1	1	1	1	1	1	1	1	1	0	0
HILOWWET	1976	0	0	0	0	0	0	0	0	0	0	1	1
HILOWWET	1977	1	1	1	1	1	1	0	0	0	0	0	0
HILOWWET	1978	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1979	0	0	0	0	0	0	1	1	1	1	1	1
HILOWWET	1980	1	1	0	0	0	0	0	0	0	0	0	0
HILOWWET	1981	0	0	0	0	0	0	0	0	0	0	1	1
HILOWWET	1982	1	1	0	0	0	0	1	1	1	1	0	0
HILOWWET	1983	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1984	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1985	0	0	1	1	1	1	0	0	0	0	0	0
HILOWWET	1986	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1987	0	0	1	1	1	1	1	1	1	1	0	0
HILOWWET	1988	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1989	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1990	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1991	0	0	0	0	0	0	0	0	0	0	1	1
HILOWWET	1992	1	1	1	1	1	1	1	1	1	1	1	1
HILOWWET	1993	1	1	1	1	1	1	1	1	1	1	0	0
HILOWWET	1994	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1995	0	0	0	0	0	0	1	1	1	1	0	0

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HILOWWET	1996	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	1997	0	0	1	1	1	1	1	1	1	1	1	1
HILOWWET	1998	1	1	1	1	1	1	0	0	0	0	0	0
HILOWWET	1999	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	2000	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	2001	0	0	1	1	1	1	0	0	0	0	0	0
HILOWWET	2002	0	0	0	0	0	0	0	0	0	0	1	1
HILOWWET	2003	1	1	1	1	1	1	0	0	0	0	0	0
HILOWWET	2004	0	0	0	0	0	0	0	0	0	0	1	1
HILOWWET	2005	1	1	1	1	1	1	0	0	0	0	0	0
HILOWWET	2006	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	2007	0	0	0	0	0	0	1	1	1	1	1	1
HILOWWET	2008	1	1	0	0	0	0	0	0	0	0	0	0
HILOWWET	2009	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	2010	0	0	1	1	1	1	0	0	0	0	0	0
HILOWWET	2011	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	2012	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	2013	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	2014	0	0	0	0	0	0	0	0	0	0	0	0
HILOWWET	2015	0	0	0	0	0	0	1	1	1	1	1	1

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FLOW DISTRIBUTION FILE (.DIS FILE)

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** BRAZOS G WAM FLOW DISTRIBUTION FILE
**
**
** FNI change - Cleburne reuse
**City of Cleburne, Reuse App. No. 4106C, FM 3/31/2005
FD 4106C NRBL32      0
WP 4106C 191.74
**
** FNI change - Waco reuse
**City of Waco, App. 5840, IO, memo complete 8/8/06
FD584001 BRHB42      1 BRWA41
WP58400120484.75
**
** FNI change - Bryan and College Station reuse
**City of Bryan, 5912, City of College Station 5913, 7/10/06, io
FD591201 BRGM73      1 BRRO72
WP591201 36015 70.58 30.64 4743.90 W12011
**
** P12191 Alcoa 09/04/2009 SD
FD121911 MYDB60      0
WP121911 3.36
**
** P12190 Alcoa 09/04/2009 sd
FD121901 MYDB60      0
WP121901 27.5
FD121902 MYDB60      0
WP121902 1.58
** Smiling Mallard Development, 5788, 4/29/07, added into WAM on 8/27/07, sj
FD578831 BRHE68      0 BRBR59 YCSO62 DCLY63 NABR67
WP578831 0.61
**TXU Kosse Lignite, 5931, 9/29/06, io
FD593101 NAEA66      0 NAGR64 BGFR65
WP593101 0.96
FD593102 NAEA66      0 NAGR64 BGFR65
WP593102 8.80
FD593103 NAEA66      0 NAGR64 BGFR65
WP593103 0.72
FD593104 NAEA66      0 NAGR64 BGFR65
WP593104 0.325
FD593105 NAEA66      0 NAGR64 BGFR65
WP593105 1.51
**App 5858 TXU
FD585830 BRHE68      0 BRBR59 YCSO62 DCLY63 NABR67
FD585831 BRHE68      0 BRBR59 YCSO62 DCLY63 NABR67
FD585832 BRHE68      0 BRBR59 YCSO62 DCLY63 NABR67
FD585833 BRHE68      0 BRBR59 YCSO62 DCLY63 NABR67
FD585834 BRHE68      0 BRBR59 YCSO62 DCLY63 NABR67
FD585835 BRHE68      0 BRBR59 YCSO62 DCLY63 NABR67
FD585836 BRHE68      0 BRBR59 YCSO62 DCLY63 NABR67
FD585837 BRHE68      0 BRBR59 YCSO62 DCLY63 NABR67
FD585838 BRHE68      0 BRBR59 YCSO62 DCLY63 NABR67
FD585839 BRHE68      0 BRBR59 YCSO62 DCLY63 NABR67
FD58583A BRHE68      0 BRBR59 YCSO62 DCLY63 NABR67
WP585830 1.178
WP585831 .1475
WP585832 2.6125
WP585833 .033
WP585834 .3109
WP585835 .514
WP585836 1.283
WP58583A .646
**App 5866, Harris County FCD, MT
FD586631 SJGBC3      0 CLPEC1
WP586631 572
**
** Bandy, 12-4191, New Diversion point, jd 3/30/04
FD419105 CFEL22      1 CFFG18 HCBR21
WP419105 4359.55 78.25 28.22
**NNP Teravista, app. 5667B, 11/13/03, io
FD566732 LRCA58      0 LRLR53 GALA57
WP566732 1.39
FD566731 LRCA58      0 LRLR53 GALA57
WP566731 .17
FD566734 LRCA58      0 LRLR53 GALA57
WP566734 1.13
**
**Alcoa Inc., App. 12-5816, IO
FD581601 MYDB60      0
WP581601 4.58
**
**Alcoa inc.,
FD580331 EYDB61      0
WP580331 1.90
FD580332 EYDB61      0
WP580332 11.80

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**John & Ida Taylor, 12-2996a, jd - 10/16/03
FD299602 LAYO51      1 LAKE50
WP299602 949.94    70.50  29.33
**
**Ed Johnson, app. 5791, io
FD579101 YCSO62      0 MYDB60  EYDB61
WP579101      14.34
FD579131 YCSO62      0 MYDB60  EYDB61
WP579131      0.23
FD579132 YCSO62      0 MYDB60  EYDB61
WP579132      0.16
**
** additional points for allen's creek instream flow restriction
WP 2925A 35196.6
WP 2925B 35196.7
WP 2925C 35196.8
WP 2925D 35196.9
** additional points for allen's creek instream flow restriction
FD 2925A BRRI70      2 BRHE68  MCBL69
FD 2925B BRRI70      2 BRHE68  MCBL69
FD 2925C BRRI70      2 BRHE68  MCBL69
FD 2925D BRRI70      2 BRHE68  MCBL69
** TXU MINING CO., APPLICATION 5770
FD577001 BRBR59      0 BRHB42  LRCA58
WP577001      36.5
**
**Herman Stroud, App. 5767
FD576701 BRDE29      2 BRPP27  PPSA28
WP57670115796.60    72.83  25.32
**FD576741 BRDE29      0
**WP576741      0 72.83  25.32
**
**
** Tmpa App 5741 - 9/27/02 - JD
FD574132 BRHE68      0 BRBR59  YCSO62  DCLY63  NABR67
WP574132      1.42  59.00  41.54
FD573831 BRHE68      0 BRBR59  YCSO62  DCLY63  NABR67
WP573831      1.82  59.00  41.54
FD574131 BRHE68      0 BRBR59  YCSO62  DCLY63  NABR67
WP574131      0.50  59.00  41.40
** Clark application #5795
**Changes to the *.dis file
FD A5759 BRDE29      0 BRPP27  PPSA28
WP A5759      .312
**
** GAVRONOVIC, APPLICATION 5752
FD575203 BRHE68      0 BRBR59  YCSO62  DCLY63  NABR67
WP575203      140
**
** Somervell County Water District, App. 5744
FD574432 BRAQ33      1 PAGR31  BRGR30  NRBL32
WP574432      427.62
FD574431 BRAQ33      0 PAGR31  BRGR30  NRBL32
WP574431      1.64
**
** USACE APPLICATION 5658
** WATERSHED PARAMETERS NEED UPDATING AFTER BRAZOS IS REPROCESSED
** NO PARAMETERS AVAILABLE UNTIL STREAM EDITS ARE PROCESSED
FD565833 YCSO62      0 MYDB60  EYDB61
WP565833      2
FD565834 YCSO62      0 MYDB60  EYDB61
WP565834      2.5
FD565836 YCSO62      0 MYDB60  EYDB61
WP565836      1.5
FD565837 YCSO62      0 MYDB60  EYDB61
WP565837      2.5
FD565801 YCSO62      0 MYDB60  EYDB61
WP565801      743
**
**Application 5665, Paul Weinman, mt modeled 7/10/02
FD566501 BRRI70      1 BRHE68  MCBL69
FD566502 BRRI70      1 BRHE68  MCBL69
**No FD record for the off-channel reservoir since set up a SA/SV record.
**
** LAKEVIEW, APPPLICATION 4318B
FD431831 NBCL36      0 NBHI35
WP431831      6.43  68.77  31.45          791850.54 228301
** NEW/CHANGED FD RECORDS ADDED TO MODEL IN ADDITIONAL SERVICES WORK
FD569201 BRSE11      1 DMAS09  SFAS06  NCKN10
FD569202 BRSE11      1 DMAS09  SFAS06  NCKN10
FD569203 BRSE11      1 DMAS09  SFAS06  NCKN10
FD569204 BRSE11      1 DMAS09  SFAS06  NCKN10
FD417906 CFFG18      1 CAST17  CFNU16
FD417933 CFFG18      1 CAST17  CFNU16

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FD416902	CFFG18	0	CFNU16	CAST17
FD405202	BRGR30	1	BRDE29	
FD411402	BRGR30	1	BRDE29	
FD406202	BRGR30	1	BRDE29	
FD411403	BRGR30	1	BRDE29	
FD406203	BRGR30	1	BRDE29	
FD411404	BRGR30	1	BRDE29	
FD406204	BRGR30	1	BRDE29	
FD572901	LEBE49	1	LEGT47	COPI48
FD377511	BRBR59	1	LRCA58	BRHB42
FD377521	BRBR59	1	LRCA58	BRHB42
FDP51601	NAEA66	0	NAGR64	BGFR65
FD292503	BRRI70	2	BRHE68	MCBL69
FD292504	BRRI70	2	BRHE68	MCBL69
FD556722	BRRO72	1	BRRI70	BGNE71
FD556712	BRRO72	1	BRRI70	BGNE71
FD435501	BRHB42	1	BRWA41	
FD227602	NBCL36	0	NBHI35	
FD227603	NBCL36	0	NBHI35	
FD227604	NBCL36	0	NBHI35	
FD227611	NBCL36	0	NBHI35	
FD227612	NBCL36	0	NBHI35	
FD227621	NBCL36	0	NBHI35	
FD227622	NBCL36	0	NBHI35	
FD227632	NBCL36	0	NBHI35	
FD227633	NBCL36	0	NBHI35	
FD227634	NBCL36	0	NBHI35	
FD227605	NBCL36	0	NBHI35	
FD227606	NBCL36	0	NBHI35	
FD227607	NBCL36	0	NBHI35	
FD227608	NBCL36	0	NBHI35	
FD227609	NBCL36	0	NBHI35	
FD22760A	NBCL36	0	NBHI35	
FD22760B	NBCL36	0	NBHI35	
FD227613	NBCL36	0	NBHI35	
FD227614	NBCL36	0	NBHI35	
FD227615	NBCL36	0	NBHI35	
FD227616	NBCL36	0	NBHI35	
FD227623	NBCL36	0	NBHI35	
FD227624	NBCL36	0	NBHI35	
FD227625	NBCL36	0	NBHI35	
FD227626	NBCL36	0	NBHI35	
FD227635	NBCL36	0	NBHI35	
FD227636	NBCL36	0	NBHI35	
FD227637	NBCL36	0	NBHI35	
FD227638	NBCL36	0	NBHI35	
FD227639	NBCL36	0	NBHI35	
FD22763A	NBCL36	0	NBHI35	
FD22763B	NBCL36	0	NBHI35	
FD227601	NBCL36	0	NBHI35	
FD227631	NBCL36	0	NBHI35	
FDCON251	SJGMC4	1	CBALC2	
FD568601	SJGBC3	1	CLPEC1	
FD571401	SJGBC3	0	CLPEC1	
FD571402	SJGBC3	0	CLPEC1	
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FD366401	RWPL01	0		
FD366431	RWPL01	0		
FD366501	RWPL01	0		
FD366531	RWPL01	0		
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FD366731	RWPL01	0		
FD366801	RWPL01	0		
FD366831	RWPL01	0		
FD366901	RWPL01	0		
FD366931	RWPL01	0		
FD366902	RWPL01	0		
FD366932	RWPL01	0		
FD366903	RWPL01	0		
FD366933	RWPL01	0		
FD366904	RWPL01	0		
FD366934	RWPL01	0		
FD367002	RWPL01	0		
FD367031	RWPL01	0		
FD367001	RWPL01	0		
FD367032	RWPL01	0		
FD367101	RWPL01	0		
FD367131	RWPL01	0		
FD367201	RWPL01	0		
FD367202	RWPL01	0		
FD367231	RWPL01	0		
FD367301	RWPL01	0		

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FD367302	RWPL01	0		
FD367303	RWPL01	0		
FD367304	RWPL01	0		
FD367331	RWPL01	0		
FD367401	RWPL01	0		
FD367431	RWPL01	0		
FDP40641	RWPL01	0		
FD406431	RWPL01	0		
FD367501	RWPL01	0		
FD367531	RWPL01	0		
FD368101	RWPL01	0		
FD368131	RWPL01	0		
FD367601	RWPL01	0		
FD367631	RWPL01	0		
FD367701	RWPL01	0		
FD367731	RWPL01	0		
FD367801	RWPL01	0		
FD367831	RWPL01	0		
FD367901	RWPL01	0		
FD367931	RWPL01	0		
FD368001	RWPL01	0		
FD368031	RWPL01	0		
FD381301	RWPL01	0		
FD368201	RWPL01	0		
FD368231	RWPL01	0		
FD368301	RWPL01	0		
FD368331	RWPL01	0		
FD368401	RWPL01	0		
FD368431	RWPL01	0		
FD368501	RWPL01	0		
FD368531	RWPL01	0		
FD368601	WRSP02	1	RWPL01	
FD368703	WRSP02	1	RWPL01	
FD368702	WRSP02	1	RWPL01	
FD368701	WRSP02	1	RWPL01	
FD391501	WRSP02	1	RWPL01	
FD368801	WRSP02	1	RWPL01	
FDP40351	WRSP02	1	RWPL01	
FD540501	WRSP02	1	RWPL01	
FDCON248	WRSP02	1	RWPL01	
FDCON001	WRSP02	1	RWPL01	
FD369201	WRSP02	1	RWPL01	
FD368901	WRSP02	0	RWPL01	
FD368931	WRSP02	0	RWPL01	
FD369001	WRSP02	0	RWPL01	
FD369101	WRSP02	0	RWPL01	
FD369131	WRSP02	0	RWPL01	
FD369231	WRSP02	1	RWPL01	
FDW12402	WRSP02	1	RWPL01	
FDW12401	WRSP02	1	RWPL01	
FD369301	WRSP02	1	RWPL01	
FD369331	WRSP02	1	RWPL01	
FDW12392	WRSP02	1	RWPL01	
FD369501	SFPE04	0	WRSP02	DUGI03
FD369531	SFPE04	0	WRSP02	DUGI03
FDW12381	SFPE04	0	WRSP02	DUGI03
FD369401	SFPE04	0	WRSP02	DUGI03
FD369431	SFPE04	0	WRSP02	DUGI03
FDCON004	SFPE04	1	WRSP02	DUGI03
FD369601	DUGI03	0		
FD369631	DUGI03	0		
FD369731	DUGI03	0		
FD369801	DUGI03	0		
FD369831	DUGI03	0		
FD369901	DUGI03	0		
FD369902	DUGI03	0		
FD369931	DUGI03	0		
FD370001	DUGI03	0		
FD370031	DUGI03	0		
FDCON002	SFPE04	2	WRSP02	DUGI03
FD370131	SFPE04	0	WRSP02	DUGI03
FDW12391	SFPE04	1	WRSP02	DUGI03
FDCON003	SFPE04	2	WRSP02	DUGI03
FDCON005	SFAS06	2	SFPE04	CRJA05
FDCON006	SFAS06	2	SFPE04	CRJA05
FD370231	SFAS06	0	SFPE04	CRJA05
FDW12382	BRSE11	1	SFAS06	DMAS09 NCKN10
FD370301	BSLU07	0		
FD370331	BSLU07	0		
FD370401	BSLU07	0		
FD370421	BSLU07	0		
FD370431	BSLU07	0		
FD370411	BSLU07	0		
FD370501	BSLU07	0		

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FD370531	BSLU07	0		
FD370502	BSLU07	0		
FD370532	BSLU07	0		
FD370533	BSLU07	0		
FD370534	BSLU07	0		
FD370535	BSLU07	0		
FD370503	BSLU07	0		
FD370536	BSLU07	0		
FD398501	BSLU07	0		
FD370631	DMAS09	1	BSLU07	DMJU08
FD370701	DMAS09	1	BSLU07	DMJU08
FD370702	DMAS09	1	BSLU07	DMJU08
FD370732	DMAS09	0	BSLU07	DMJU08
FD370731	DMAS09	1	BSLU07	DMJU08
FD370801	DMAS09	0	BSLU07	DMJU08
FD370831	DMAS09	0	BSLU07	DMJU08
FDCON007	DMAS09	1	BSLU07	DMJU08
FD370901	DMAS09	1	BSLU07	DMJU08
FD370931	DMAS09	1	BSLU07	DMJU08
FD371001	DMAS09	1	BSLU07	DMJU08
FD371101	DMAS09	1	BSLU07	DMJU08
FD371131	DMAS09	1	BSLU07	DMJU08
FD371301	DMJU08	0		
FD371331	DMJU08	0		
FDP53591	DMJU08	0		
FDCON159	DMJU08	0		
FD371401	DMJU08	0		
FD371431	DMJU08	0		
FD371501	DMAS09	0	BSLU07	DMJU08
FD371531	DMAS09	0	BSLU07	DMJU08
FDCON160	DMAS09	1	DMJU08	BSLU07
FDCON008	DMAS09	1	DMJU08	BSLU07
FD4146P1	DMAS09	1	DMJU08	BSLU07
FD371601	DMAS09	0	BSLU07	DMJU08
FD371602	DMAS09	0	BSLU07	DMJU08
FD371631	DMAS09	0	BSLU07	DMJU08
FDP41461	DMAS09	1	DMJU08	BSLU07
FDW12411	DMAS09	1	DMJU08	BSLU07
FDCON244	DMAS09	2	BSLU07	DMJU08
FD371701	DMAS09	2	BSLU07	DMJU08
FD371801	DMAS09	2	BSLU07	DMJU08
FD371802	DMAS09	2	BSLU07	DMJU08
FD371803	DMAS09	2	BSLU07	DMJU08
FD371901	DMAS09	2	BSLU07	DMJU08
FDCON009	DMAS09	2	BSLU07	DMJU08
FD372201	DMAS09	2	BSLU07	DMJU08
FD372202	DMAS09	2	BSLU07	DMJU08
FD372203	DMAS09	2	BSLU07	DMJU08
FD528201	BRSE11	1	DMAS09	SFAS06 NCKN10
FD372401	BRSE11	1	DMAS09	SFAS06 NCKN10
FD372431	BRSE11	1	DMAS09	SFAS06 NCKN10
FDW12412	BRSE11	1	DMAS09	SFAS06 NCKN10
FDCON010	BRSE11	1	DMAS09	SFAS06 NCKN10
FD372001	DMAS09	0	BSLU07	DMJU08
FD372031	DMAS09	0	BSLU07	DMJU08
FD372101	DMAS09	0	BSLU07	DMJU08
FD372131	DMAS09	0	BSLU07	DMJU08
FDP51621	BRSE11	0	SFAS06	DMAS09 NCKN10
FD5162P1	BRSE11	0	SFAS06	DMAS09 NCKN10
FDCON245	BRSE11	2	SFAS06	DMAS09 NCKN10
FDW12081	BRSE11	2	SFAS06	DMAS09 NCKN10
FDCON011	BRSE11	3	SFAS06	DMAS09 NCKN10
FD524201	BRSE11	3	SFAS06	DMAS09 NCKN10
FD341101	BRSE11	0	SFAS06	DMAS09 NCKN10
FDCON012	BRSE11	3	SFAS06	DMAS09 NCKN10
FD341131	BRSE11	0	SFAS06	DMAS09 NCKN10
FD341231	BRSE11	0	SFAS06	DMAS09 NCKN10
FDCON013	BRSE11	3	SFAS06	DMAS09 NCKN10
FDCON014	BRSE11	3	SFAS06	DMAS09 NCKN10
FD341301	BRSE11	0	SFAS06	DMAS09 NCKN10
FD341302	BRSE11	0	SFAS06	DMAS09 NCKN10
FD341331	BRSE11	0	SFAS06	DMAS09 NCKN10
FD543501	BRSE11	3	SFAS06	DMAS09 NCKN10
FD341431	BRSE11	0	SFAS06	DMAS09 NCKN10
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FD344003	BRSE11	0	SFAS06	DMAS09 NCKN10
FD344031	BRSE11	0	SFAS06	DMAS09 NCKN10
FD344002	BRSE11	0	SFAS06	DMAS09 NCKN10
FD344032	BRSE11	0	SFAS06	DMAS09 NCKN10
FD344001	BRSE11	0	SFAS06	DMAS09 NCKN10
FD344005	BRSE11	0	SFAS06	DMAS09 NCKN10
FDCON015	BRSE11	3	SFAS06	DMAS09 NCKN10
FD344131	BRSE11	0	SFAS06	DMAS09 NCKN10

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FDCON016	BRSE11	3	SFAS06	DMAS09	NCKN10
FD344201	BRSE11	0	BRSE11	MSMN12	CFEL22
FD344301	BRSE11	1	MSMN12	BRSE11	CFEL22
FD344302	BRSE11	1	MSMN12	BRSE11	CFEL22
FD344401	BRSE11	1	MSMN12	BRSE11	CFEL22
FD344501	BRSE11	1	MSMN12	BRSE11	CFEL22
FD344431	BRSE11	1	MSMN12	BRSE11	CFEL22
FDCON017	BRSE11	2	BRSE11	MSMN12	CFEL22
FD344231	BRSE11	0	BRSE11	MSMN12	CFEL22
FD344601	BRSE11	0	BRSE11	MSMN12	CFEL22
FD344703	BRSE11	0	BRSE11	MSMN12	CFEL22
FD344631	BRSE11	0	BRSE11	MSMN12	CFEL22
FD344702	BRSE11	0	BRSE11	MSMN12	CFEL22
FD344701	BRSE11	0	BRSE11	MSMN12	CFEL22
FD344804	BRSE11	0	BRSE11	MSMN12	CFEL22
FD344803	BRSE11	0	BRSE11	MSMN12	CFEL22
FD344802	BRSE11	0	BRSE11	MSMN12	CFEL22
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FDCON018	BRSE11	2	BRSE11	MSMN12	CFEL22
FD344931	BRSE11	0	BRSE11	MSMN12	CFEL22
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FD345103	BRSE11	0	BRSE11	MSMN12	CFEL22
FD345031	BRSE11	0	BRSE11	MSMN12	CFEL22
FD345102	BRSE11	0	BRSE11	MSMN12	CFEL22
FD345101	BRSE11	0	BRSE11	MSMN12	CFEL22
FDCON019	BRSE11	2	BRSE11	MSMN12	CFEL22
FD345231	BRSE11	0	BRSE11	MSMN12	CFEL22
FD345201	BRSE11	0	BRSE11	MSMN12	CFEL22
FDCON020	BRSE11	2	BRSE11	MSMN12	CFEL22
FD345232	BRSE11	0	BRSE11	MSMN12	CFEL22
FD417905	CFNU16	0	CFNU16	CAST17	
FD417601	CFNU16	0	CFNU16	CAST17	
FD417932	CFNU16	0	CFNU16	CAST17	
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FD417631	CFNU16	0	CFNU16	CAST17	
FD417803	CFNU16	0	CFNU16	CAST17	
FD417802	CFNU16	0	CFNU16	CAST17	
FD417801	CFNU16	0	CFNU16	CAST17	
FD417702	CFNU16	0	CFNU16	CAST17	
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FD418231	CAST17	0			
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FDCON163	CAST17	0			
FD418331	CAST17	0			
FDCON027	CFNU16	1	CAST17	CFNU16	
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FD418402	CFNU16	0	CFNU16	CAST17	
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FD420601	CFRO13	0			
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FD411701	CFHA14	0	CFRO13		
FD411801	CFHA14	0	CFRO13		
FD411901	CFHA14	0	CFRO13		
FDCON021	CFHA14	1	CFRO13		
FD411931	CFHA14	0	CFRO13		
FD412001	CFHA14	1	CFRO13		
FD412101	CFHA14	1	CFRO13		
FD412031	CFHA14	1	CFRO13		
FD412201	CFHA14	1	CFRO13		
FD412131	CFHA14	1	CFRO13		
FD412301	CFHA14	1	CFRO13		

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FD412231	CFHA14	1	CFRO13	
FD412402	CFHA14	1	CFRO13	
FD412331	CFHA14	1	CFRO13	
FD412401	CFHA14	1	CFRO13	
FD412501	CFHA14	1	CFRO13	
FD412602	CFHA14	1	CFRO13	
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FD412701	CFHA14	1	CFRO13	
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FDCON022	CFHA14	1	CFRO13	
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FD413031	CFHA14	0	CFRO13	
FD413202	CFHA14	1	CFRO13	
FD413201	CFHA14	1	CFRO13	
FD413302	CFNU16	1	CFHA14	MUHA15
FD413301	CFNU16	1	CFHA14	MUHA15
FD413401	MUHA15	0		
FDCON164	MUHA15	0		
FD413431	MUHA15	0		
FDCON165	MUHA15	0		
FD413531	MUHA15	0		
FD413501	MUHA15	0		
FD413601	CFNU16	0	CFHA14	MUHA15
FDCON024	CFNU16	2	CFHA14	MUHA15
FD413331	CFNU16	1	CFHA14	MUHA15
FD413631	CFNU16	0	CFHA14	MUHA15
FD413701	CFNU16	2	CFHA14	MUHA15
FD413801	CFNU16	2	CFHA14	MUHA15
FD413901	CFNU16	2	CFHA14	MUHA15
FD414001	CFNU16	2	CFHA14	MUHA15
FD413931	CFNU16	2	CFHA14	MUHA15
FD414201	CFNU16	0	CFHA14	MUHA15
FD414401	CFNU16	0	CFHA14	MUHA15
FD414431	CFNU16	0	CFHA14	MUHA15
FD414501	CFNU16	0	CFHA14	MUHA15
FD414301	CFNU16	0	CFHA14	MUHA15
FD414231	CFNU16	0	CFHA14	MUHA15
FD414604	CFNU16	0	CFHA14	MUHA15
FD414331	CFNU16	0	CFHA14	MUHA15
FD414531	CFNU16	0	CFHA14	MUHA15
FD414603	CFNU16	0	CFHA14	MUHA15
FD414634	CFNU16	0	CFHA14	MUHA15
FD414602	CFNU16	0	CFHA14	MUHA15
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FD414632	CFNU16	0	CFHA14	MUHA15
FD414701	CFNU16	0	CFHA14	MUHA15
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FD414703	CFNU16	0	CFHA14	MUHA15
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FD416502	CFNU16	0	CFHA14	MUHA15
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FDCON025	CFNU16	2	CFHA14	MUHA15
FD416201	CFNU16	2	CFHA14	MUHA15
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FD420131	HCAL19	0		
FD420201	HCAL19	0		
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FDCON166	HCAL19	0		

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FD422431	CFEL22	2	CFFG18	HCBR21
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FD422322	BRSE11	3	MSMN12	CFEL22
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FD345632	GHGH24	0		
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FD345831	GHGH24	0		
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FD345802	SHGR26	1	GHGH24	BRSB23	CCIV25
FD346001	SHGR26	1	GHGH24	BRSB23	CCIV25
FD345803	SHGR26	1	GHGH24	BRSB23	CCIV25
FD346102	SHGR26	1	GHGH24	BRSB23	CCIV25
FD345833	SHGR26	1	GHGH24	BRSB23	CCIV25
FD346101	SHGR26	1	GHGH24	BRSB23	CCIV25
FDCON037	SHGR26	2	BRSB23	GHGH24	CCIV25
FDW12082	SHGR26	2	BRSB23	GHGH24	CCIV25
FDW12072	SHGR26	0	BRSB23	GHGH24	CCIV25
FD346201	SHGR26	0	BRSB23	GHGH24	CCIV25
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FDCON038	SHGR26	2	BRSB23	GHGH24	CCIV25
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FDCON039	SHGR26	3	BRSB23	GHGH24	CCIV25
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FD231702	BRWA41	1	BOWA40	BRAQ33	AQAQ34
FD231701	BRWA41	1	BOWA40	BRAQ33	AQAQ34
FD346501	LEDL43	0			
FD346531	LEDL43	0			

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FD346631	LEDL43	0
FD346701	LEDL43	0
FD346731	LEDL43	0
FD346801	LEDL43	0
FD346831	LEDL43	0
FD347401	LEDL43	0
FD347431	LEDL43	0
FD347501	LEDL43	0
FD347531	LEDL43	0
FDCON182	LEDL43	0
FDW12241	LEDL43	0
FD346901	LEDL43	0
FD346931	LEDL43	0
FDW12242	LEDL43	0
FD347001	LEDL43	0
FD347031	LEDL43	0
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FD347131	LEDL43	0
FD347102	LEDL43	0
FD347132	LEDL43	0
FD347201	LEDL43	0
FD347231	LEDL43	0
FDCON181	LEDL43	0
FDW12232	LEDL43	0
FD347301	LEDL43	0
FD347331	LEDL43	0
FDCON180	LEDL43	0
FD347901	LEDL43	0
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FD348601	LEDL43	0
FD348631	LEDL43	0
FDCON177	LEDL43	0
FDP52741	LEDL43	0
FD5274P1	LEDL43	0
FDCON176	LEDL43	0
FD348701	LEDL43	0
FD348731	LEDL43	0
FD348801	LEDL43	0
FD348831	LEDL43	0
FD348901	LEDL43	0
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FDCON174	LEDL43	0
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FDCON172	LEDL43	0
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FD349631	LEDL43	0
FDCON171	LEDL43	0
FD349701	LEDL43	0
FD349801	LEDL43	0
FD349831	LEDL43	0
FDCON170	LEDL43	0
FD349901	LEDL43	0

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FD349931	LEDL43	0		
FD350001	LEDL43	0		
FD350101	LEDL43	0		
FD350131	LEDL43	0		
FD350168	LEDL43	0		
FD393401	LEHS45	0	LEDL43	SADL44
FD393431	LEHS45	0	LEDL43	SADL44
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FD350231	LEHS45	0	LEDL43	SADL44
FD350302	LEHS45	0	LEDL43	SADL44
FD350332	LEHS45	0	LEDL43	SADL44
FD350301	LEHS45	0	LEDL43	SADL44
FD350331	LEHS45	0	LEDL43	SADL44
FD35051	LEHS45	1	LEDL43	SADL44
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FD350631	LEHS45	0	LEDL43	SADL44
FD350801	LEHS45	0	LEDL43	SADL44
FD350831	LEHS45	0	LEDL43	SADL44
FD35052	LEHS45	1	LEDL43	SADL44
FD350401	LEHS45	0	LEDL43	SADL44
FD350431	LEHS45	0	LEDL43	SADL44
FD350501	LEHS45	0	LEDL43	SADL44
FD350531	LEHS45	0	LEDL43	SADL44
FD35053	LEHS45	1	LEDL43	SADL44
FD351101	LEHS45	1	LEDL43	SADL44
FD351201	LEHS45	1	LEDL43	SADL44
FD351501	LEHS45	0	LEDL43	SADL44
FD351531	LEHS45	0	LEDL43	SADL44
FD351631	LEHS45	0	LEDL43	SADL44
FD351401	LEHS45	0	LEDL43	SADL44
FD351431	LEHS45	0	LEDL43	SADL44
FD351701	LEHS45	0	LEDL43	SADL44
FD351731	LEHS45	0	LEDL43	SADL44
FD351801	LEHS45	0	LEDL43	SADL44
FD351831	LEHS45	0	LEDL43	SADL44
FD351901	LEHS45	0	LEDL43	SADL44
FD351931	LEHS45	0	LEDL43	SADL44
FD35054	LEHS45	1	LEDL43	SADL44
FDW12231	LEHS45	0	LEDL43	SADL44
FD352001	SADL44	0		
FD352031	SADL44	0		
FD352101	SADL44	0		
FD352131	SADL44	0		
FD352202	SADL44	0		
FD352232	SADL44	0		
FD352201	SADL44	0		
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FD353002	SADL44	0		
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FD353101	SADL44	0		
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FD353102	SADL44	0		
FD353132	SADL44	0		
FD526001	SADL44	0		
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FD353104	SADL44	0		
FD353134	SADL44	0		
FD353103	SADL44	0		
FD353133	SADL44	0		
FD353401	SADL44	0		
FD353501	SADL44	0		

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FD353531	SADL44	0		
FD353602	SADL44	0		
FD353632	SADL44	0		
FD353601	SADL44	0		
FD353631	SADL44	0		
FD353701	SADL44	0		
FD353731	SADL44	0		
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FD354101	SADL44	0		
FD354131	SADL44	0		
FD354231	SADL44	0		
FD354301	SADL44	0		
FD354401	LEHS45	1	SADL44	LEDL43
FD354001	LEHS45	1	SADL44	LEDL43
FD354002	LEHS45	0	LEDL43	SADL44
FD354031	LEHS45	0	LEDL43	SADL44
FD354501	LEHS45	0	LEDL43	SADL44
FD354531	LEHS45	0	LEDL43	SADL44
FD354602	LEHS45	0	LEDL43	SADL44
FD354631	LEHS45	0	LEDL43	SADL44
FD354601	LEHS45	0	LEDL43	SADL44
FDCON055	LEHS45	1	SADL44	LEDL43
FD354701	LEHS45	0	LEDL43	SADL44
FD354731	LEHS45	0	LEDL43	SADL44
FD354801	LEHS45	0	LEDL43	SADL44
FD354831	LEHS45	0	LEDL43	SADL44
FDCON056	LEHS45	1	SADL44	LEDL43
FD354901	LEHS45	0	LEDL43	SADL44
FD354931	LEHS45	0	LEDL43	SADL44
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FD355031	LEHS45	0	LEDL43	SADL44
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FD355131	LEHS45	0	LEDL43	SADL44
FDCON057	LEHS45	1	SADL44	LEDL43
FD507301	LEHS45	0	LEDL43	SADL44
FD507331	LEHS45	0	LEDL43	SADL44
FDCON058	LEHS45	1	SADL44	LEDL43
FD355201	LEHS45	0	LEDL43	SADL44
FD355231	LEHS45	0	LEDL43	SADL44
FD355301	LEHS45	0	LEDL43	SADL44
FD355331	LEHS45	0	LEDL43	SADL44
FD355401	LEHS45	0	LEDL43	SADL44
FD355431	LEHS45	0	LEDL43	SADL44
FD355501	LEHS45	0	LEDL43	SADL44
FD355531	LEHS45	0	LEDL43	SADL44
FD355601	LEHS45	0	LEDL43	SADL44
FD355701	LEHS45	0	LEDL43	SADL44
FD355731	LEHS45	0	LEDL43	SADL44
FDCON060	LEHS45	2	LEDL43	SADL44
FD355801	LEHS45	0	LEDL43	SADL44
FDW12222	LEHS45	0	LEDL43	SADL44
FDCON246	LEHS45	2	LEDL43	SADL44
FD380801	LEHS45	0	LEDL43	SADL44
FD380802	LEHS45	0	LEDL43	SADL44
FD380831	LEHS45	0	LEDL43	SADL44
FD380803	LEHS45	0	LEDL43	SADL44
FD384402	LEHS45	0	LEDL43	SADL44
FD384403	LEHS45	0	LEDL43	SADL44
FD384404	LEHS45	0	LEDL43	SADL44
FD384431	LEHS45	0	LEDL43	SADL44
FD356031	LEHS45	0	LEDL43	SADL44
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FD356331	LEHS45	0	LEDL43	SADL44
FD356501	LEHS45	0	LEDL43	SADL44
FD356531	LEHS45	0	LEDL43	SADL44
FD356731	LEHS45	0	LEDL43	SADL44
FD518701	LEHS45	0	LEDL43	SADL44
FD518731	LEHS45	0	LEDL43	SADL44
FD356802	LEHS45	0	LEDL43	SADL44
FD356832	LEHS45	0	LEDL43	SADL44
FD356801	LEHS45	0	LEDL43	SADL44
FD356831	LEHS45	0	LEDL43	SADL44
FD356901	LEHS45	0	LEDL43	SADL44
FD356931	LEHS45	0	LEDL43	SADL44

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FD357201	LEHS45	0	LEDL43	SADL44
FD357231	LEHS45	0	LEDL43	SADL44
FD357301	LEHS45	0	LEDL43	SADL44
FD357331	LEHS45	0	LEDL43	SADL44
FD525501	LEHS45	0	LEDL43	SADL44
FD525531	LEHS45	0	LEDL43	SADL44
FD357501	LEHS45	0	LEDL43	SADL44
FD388031	LEHS45	0	LEDL43	SADL44
FD357401	LEHS45	0	LEDL43	SADL44
FD357431	LEHS45	0	LEDL43	SADL44
FD357502	LEHS45	0	LEDL43	SADL44
FD357531	LEHS45	0	LEDL43	SADL44
FD357503	LEHS45	0	LEDL43	SADL44
FD357532	LEHS45	0	LEDL43	SADL44
FD357504	LEHS45	0	LEDL43	SADL44
FD357533	LEHS45	0	LEDL43	SADL44
FD357801	LEHS45	0	LEDL43	SADL44
FD357803	LEHS45	0	LEDL43	SADL44
FD357831	LEHS45	0	LEDL43	SADL44
FD357901	LEHS45	0	LEDL43	SADL44
FD357802	LEHS45	0	LEDL43	SADL44
FD358001	LEHS45	0	LEDL43	SADL44
FD358031	LEHS45	0	LEDL43	SADL44
FD358002	LEHS45	0	LEDL43	SADL44
FD358032	LEHS45	0	LEDL43	SADL44
FD358101	LEHS45	0	LEDL43	SADL44
FD358131	LEHS45	0	LEDL43	SADL44
FDP51611	LEHS45	0	LEDL43	SADL44
FD5161P1	LEHS45	0	LEDL43	SADL44
FD358401	LEHS45	0	LEDL43	SADL44
FD426401	LEHS45	0	LEDL43	SADL44
FD426431	LEHS45	0	LEDL43	SADL44
FD541601	LEHS45	0	LEDL43	SADL44
FD541631	LEHS45	0	LEDL43	SADL44
FD358502	LEHS45	0	LEDL43	SADL44
FD358532	LEHS45	0	LEDL43	SADL44
FD358501	LEHS45	0	LEDL43	SADL44
FD358531	LEHS45	0	LEDL43	SADL44
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FD358601	LEHS45	0	LEDL43	SADL44
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FD358731	LEHS45	0	LEDL43	SADL44
FD358801	LEHS45	0	LEDL43	SADL44
FD358831	LEHS45	0	LEDL43	SADL44
FD358901	LEHS45	0	LEDL43	SADL44
FD358931	LEHS45	0	LEDL43	SADL44
FD359001	LEHS45	0	LEDL43	SADL44
FD359031	LEHS45	0	LEDL43	SADL44
FD359201	LEHS45	0	LEDL43	SADL44
FD359231	LEHS45	0	LEDL43	SADL44
FD359301	LEHS45	0	LEDL43	SADL44
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FD359501	LEHS45	0	LEDL43	SADL44
FD359701	LEHS45	0	LEDL43	SADL44
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FD359831	LEHS45	0	LEDL43	SADL44
FD359901	LEHS45	0	LEDL43	SADL44
FD359931	LEHS45	0	LEDL43	SADL44
FD360031	LEHS45	0	LEDL43	SADL44
FD360131	LEHS45	0	LEDL43	SADL44
FD360231	LEHS45	0	LEDL43	SADL44
FD390201	LEHS45	0	LEDL43	SADL44
FD390231	LEHS45	0	LEDL43	SADL44
FD360331	LEHS45	0	LEDL43	SADL44
FD360431	LEHS45	0	LEDL43	SADL44
FD360531	LEHS45	0	LEDL43	SADL44
FD360601	LEHS45	0	LEDL43	SADL44
FD360701	LEHS45	0	LEDL43	SADL44
FD360731	LEHS45	0	LEDL43	SADL44
FD359601	LEHS45	0	LEDL43	SADL44
FD359631	LEHS45	0	LEDL43	SADL44
FD360801	LEHS45	0	LEDL43	SADL44
FD360831	LEHS45	0	LEDL43	SADL44
FD360901	LEHS45	0	LEDL43	SADL44
FD360931	LEHS45	0	LEDL43	SADL44
FD361001	LEHS45	0	LEDL43	SADL44
FD361031	LEHS45	0	LEDL43	SADL44
FD361101	LEHS45	0	LEDL43	SADL44
FD361102	LEHS45	0	LEDL43	SADL44
FD361201	LEHS45	0	LEDL43	SADL44
FD361202	LEHS45	0	LEDL43	SADL44
FD361231	LEHS45	0	LEDL43	SADL44

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FD361301	LEHS45	0	LEDL43	SADL44
FD361331	LEHS45	0	LEDL43	SADL44
FD361401	LEHS45	0	LEDL43	SADL44
FD361431	LEHS45	0	LEDL43	SADL44
FD361501	LEHS45	0	LEDL43	SADL44
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FD361601	LEHS45	0	LEDL43	SADL44
FD361631	LEHS45	0	LEDL43	SADL44
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FD361731	LEHS45	0	LEDL43	SADL44
FD361802	LEHS45	0	LEDL43	SADL44
FD361831	LEHS45	0	LEDL43	SADL44
FD361801	LEHS45	0	LEDL43	SADL44
FD361902	LEHS45	0	LEDL43	SADL44
FD361931	LEHS45	0	LEDL43	SADL44
FD361901	LEHS45	0	LEDL43	SADL44
FD362021	LEHS45	0	LEDL43	SADL44
FD362011	LEHS45	0	LEDL43	SADL44
FDW12221	LEHS45	0	LEDL43	SADL44
FD362001	LEHS45	0	LEDL43	SADL44
FD362031	LEHS45	0	LEDL43	SADL44
FD362202	LEHS45	0	LEDL43	SADL44
FD362232	LEHS45	0	LEDL43	SADL44
FD362201	LEHS45	0	LEDL43	SADL44
FD362231	LEHS45	0	LEDL43	SADL44
FD362302	LEHS45	0	LEDL43	SADL44
FD362301	LEHS45	0	LEDL43	SADL44
FD362331	LEHS45	0	LEDL43	SADL44
FD362401	LEHS45	0	LEDL43	SADL44
FD362402	LEHS45	0	LEDL43	SADL44
FDCON061	LEHS45	0	LEDL43	SADL44
FDCON059	LEHS45	2	LEDL43	SADL44
FDW12211	LEHS45	2	LEDL43	SADL44
FD284101	LEHM46	0	LEHS45	
FD284131	LEHM46	0	LEHS45	
FD284201	LEHM46	0	LEHS45	
FD284231	LEHM46	0	LEHS45	
FD284602	LEHM46	0	LEHS45	
FD284632	LEHM46	0	LEHS45	
FD284701	LEHM46	0	LEHS45	
FD284301	LEHM46	0	LEHS45	
FD284331	LEHM46	0	LEHS45	
FD284401	LEHM46	0	LEHS45	
FD284431	LEHM46	0	LEHS45	
FD539001	LEHM46	0	LEHS45	
FD539031	LEHM46	0	LEHS45	
FD284501	LEHM46	0	LEHS45	
FD284531	LEHM46	0	LEHS45	
FD284601	LEHM46	0	LEHS45	
FD284631	LEHM46	0	LEHS45	
FD284731	LEHM46	0	LEHS45	
FD285004	LEHM46	0	LEHS45	
FD285003	LEHM46	0	LEHS45	
FD285005	LEHM46	0	LEHS45	
FD285031	LEHM46	0	LEHS45	
FD285002	LEHM46	0	LEHS45	
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FD284831	LEHM46	0	LEHS45	
FD284901	LEHM46	0	LEHS45	
FD284931	LEHM46	0	LEHS45	
FD285001	LEHM46	0	LEHS45	
FD285201	LEHM46	0	LEHS45	
FD285202	LEHM46	0	LEHS45	
FD285203	LEHM46	0	LEHS45	
FD285301	LEHM46	0	LEHS45	
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FD285131	LEHM46	0	LEHS45	
FD285102	LEHM46	0	LEHS45	
FD285132	LEHM46	0	LEHS45	
FD285302	LEHM46	0	LEHS45	
FD515901	LEHS45	2	LEDL43	SADL44
FD515931	LEHS45	2	LEDL43	SADL44
FD362603	LEHS45	2	LEDL43	SADL44
FD362602	LEHS45	2	LEDL43	SADL44
FD362701	LEHS45	2	LEDL43	SADL44
FD362601	LEHS45	2	LEDL43	SADL44
FD362901	LEHM46	0	LEHS45	
FD362931	LEHM46	0	LEHS45	
FDCON080	LEHM46	1	LEHS45	
FD363001	LEHM46	1	LEHS45	
FD363101	LEHM46	1	LEHS45	
FD363201	LEHM46	1	LEHS45	
FD363301	LEHM46	1	LEHS45	
FD363401	LEHM46	1	LEHS45	

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FD363501	LEHM46	1	LEHS45
FD364201	LEHM46	0	LEHS45
FD364601	LEHM46	1	LEHS45
FD363601	LEHM46	1	LEHS45
FD363701	LEHM46	0	LEHS45
FD363731	LEHM46	0	LEHS45
FD363702	LEHM46	0	LEHS45
FD363732	LEHM46	0	LEHS45
FD363703	LEHM46	0	LEHS45
FD363733	LEHM46	0	LEHS45
FD363801	LEHM46	0	LEHS45
FD363831	LEHM46	0	LEHS45
FD363901	LEHM46	0	LEHS45
FD364003	LEHM46	0	LEHS45
FD364033	LEHM46	0	LEHS45
FD364002	LEHM46	0	LEHS45
FD364032	LEHM46	0	LEHS45
FD364001	LEHM46	0	LEHS45
FD364031	LEHM46	0	LEHS45
FD364131	LEHM46	0	LEHS45
FD364301	LEHM46	0	LEHS45
FD364331	LEHM46	0	LEHS45
FD364302	LEHM46	0	LEHS45
FD364332	LEHM46	0	LEHS45
FD364303	LEHM46	0	LEHS45
FD364333	LEHM46	0	LEHS45
FD364304	LEHM46	0	LEHS45
FD364334	LEHM46	0	LEHS45
FD364401	LEHM46	0	LEHS45
FD364431	LEHM46	0	LEHS45
FD364532	LEHM46	0	LEHS45
FD364501	LEHM46	0	LEHS45
FD364531	LEHM46	0	LEHS45
FD364702	LEHM46	0	LEHS45
FD364732	LEHM46	0	LEHS45
FD364701	LEHM46	0	LEHS45
FD364731	LEHM46	0	LEHS45
FD364801	LEHM46	0	LEHS45
FD364802	LEHM46	1	LEHS45
FD364802	LEHM46	1	LEHS45
FD364901	LEHM46	1	LEHS45
FD365001	LEHM46	1	LEHS45
FD365102	LEHM46	1	LEHS45
FD365201	LEHM46	1	LEHS45
FD365101	LEHM46	1	LEHS45
FD365301	LEHM46	1	LEHS45
FD365401	LEHM46	1	LEHS45
FD365402	LEHM46	1	LEHS45
FD365502	LEHM46	1	LEHS45
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FD365701	LEHM46	1	LEHS45
FD365801	LEHM46	1	LEHS45
FD347601	LEHM46	0	LEHS45
FD365901	LEHM46	0	LEHS45
FD365931	LEHM46	0	LEHS45
FD366201	LEHM46	0	LEHS45
FD366231	LEHM46	0	LEHS45
FD366001	LEHM46	0	LEHS45
FD366002	LEHM46	0	LEHS45
FD366003	LEHM46	0	LEHS45
FD366031	LEHM46	0	LEHS45
FD366101	LEHM46	0	LEHS45
FD366301	LEHM46	0	LEHS45
FD366331	LEHM46	0	LEHS45
FD366083	LEHM46	1	LEHS45
FD281421	LEHM46	1	LEHS45
FD281501	LEHM46	1	LEHS45
FD281601	LEHM46	1	LEHS45
FD281502	LEHM46	1	LEHS45
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FD281503	LEHM46	1	LEHS45
FD281603	LEHM46	1	LEHS45
FD281701	LEHM46	1	LEHS45
FD281401	LEHM46	0	LEHS45
FD281411	LEHM46	1	LEHS45
FD365302	LEHM46	0	LEHS45
FD365303	LEHM46	0	LEHS45
FD281801	LEHM46	1	LEHS45
FD281901	LEHM46	1	LEHS45
FD282002	LEHM46	1	LEHS45
FD282001	LEHM46	1	LEHS45
FD282101	LEHM46	1	LEHS45

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FD282201	LEHM46	1	LEHS45
FD282102	LEHM46	1	LEHS45
FD282202	LEHM46	1	LEHS45
FD282103	LEHM46	1	LEHS45
FD282203	LEHM46	1	LEHS45
FD282104	LEHM46	1	LEHS45
FD282204	LEHM46	1	LEHS45
FD282105	LEHM46	1	LEHS45
FD282205	LEHM46	1	LEHS45
FD282301	LEHM46	1	LEHS45
FD282401	LEHM46	1	LEHS45
FD282501	LEHM46	1	LEHS45
FD282502	LEHM46	1	LEHS45
FD282503	LEHM46	1	LEHS45
FD282504	LEHM46	1	LEHS45
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FD282801	LEHM46	1	LEHS45
FD282901	LEHM46	1	LEHS45
FD283001	LEHM46	1	LEHS45
FD282902	LEHM46	1	LEHS45
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FD283201	LEHM46	1	LEHS45
FD283102	LEHM46	1	LEHS45
FD283301	LEHM46	1	LEHS45
FD283202	LEHM46	1	LEHS45
FD283203	LEHM46	1	LEHS45
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FD283504	LEHM46	1	LEHS45
FD283601	LEHM46	1	LEHS45
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FD283703	LEHM46	1	LEHS45
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FD285401	LEHM46	1	LEHS45
FD285501	LEHM46	1	LEHS45
FD285502	LEHM46	1	LEHS45
FD285601	LEHM46	1	LEHS45
FD285602	LEHM46	1	LEHS45
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FD286001	LEHM46	1	LEHS45
FD286101	LEHM46	0	LEHS45
FD286131	LEHM46	0	LEHS45
FD286002	LEHM46	1	LEHS45
FD286003	LEHM46	1	LEHS45
FD286201	LEHM46	1	LEHS45
FD286202	LEGT47	1	LEHM46
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FD286503	LEGT47	1	LEHM46
FD286504	LEGT47	1	LEHM46
FD286402	LEGT47	1	LEHM46
FD286505	LEGT47	1	LEHM46
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FD286701	LEGT47	1	LEHM46
FD286801	LEGT47	1	LEHM46
FD286802	LEGT47	1	LEHM46
FD286803	LEGT47	1	LEHM46
FD382631	LEGT47	1	LEHM46
FD286901	LEGT47	1	LEHM46
FD287321	LEGT47	1	LEHM46
FD287311	LEGT47	1	LEHM46

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FD287001	LEGT47	0	LEHM46
FD287031	LEGT47	0	LEHM46
FD287101	LEGT47	0	LEHM46
FD287131	LEGT47	0	LEHM46
FD287201	LEGT47	0	LEHM46
FD287231	LEGT47	0	LEHM46
FD287102	LEGT47	0	LEHM46
FD287132	LEGT47	0	LEHM46
FD287202	LEGT47	0	LEHM46
FD287232	LEGT47	0	LEHM46
FD287103	LEGT47	0	LEHM46
FD287133	LEGT47	0	LEHM46
FD287203	LEGT47	0	LEHM46
FD287233	LEGT47	0	LEHM46
FD287402	LEGT47	1	LEHM46
FD287421	LEGT47	1	LEHM46
FD287401	LEGT47	1	LEHM46
FD287411	LEGT47	1	LEHM46
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FD287902	LEGT47	1	LEHM46
FD287903	LEGT47	1	LEHM46
FD287501	LEGT47	0	LEHM46
FD287801	LEGT47	0	LEHM46
FD287904	LEGT47	0	LEHM46
FD287931	LEGT47	0	LEHM46
FDCON087	LEGT47	1	LEHM46
FD287701	LEGT47	1	LEHM46
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FD289402	LEGT47	1	LEHM46
FD289401	LEGT47	1	LEHM46
FD289503	LEGT47	0	LEHM46
FD289608	LEGT47	0	LEHM46
FD289607	LEGT47	0	LEHM46
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FD289605	LEGT47	0	LEHM46
FD289604	LEGT47	0	LEHM46
FD289603	LEGT47	0	LEHM46
FD289602	LEGT47	0	LEHM46
FD289502	LEGT47	0	LEHM46
FD289501	LEGT47	0	LEHM46
FD289609	LEGT47	0	LEHM46
FD289601	LEGT47	0	LEHM46

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FD289701	LEGT47	0	LEHM46	
FDCON088	LEGT47	1	LEHM46	
FD289802	LEGT47	1	LEHM46	
FD289801	LEGT47	1	LEHM46	
FD289906	LEGT47	1	LEHM46	
FD289905	LEGT47	1	LEHM46	
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FD289901	LEGT47	1	LEHM46	
FD290002	LEGT47	1	LEHM46	
FD290001	LEGT47	1	LEHM46	
FD290102	LEGT47	1	LEHM46	
FD290101	LEGT47	1	LEHM46	
FD290201	LEBE49	1	LEGT47	COPI48
FD290302	LEBE49	1	LEGT47	COPI48
FD290321	LEBE49	1	LEGT47	COPI48
FD290301	LEBE49	1	LEGT47	COPI48
FD290311	LEBE49	1	LEGT47	COPI48
FD290402	LEBE49	1	LEGT47	COPI48
FD290401	LEBE49	1	LEGT47	COPI48
FDCON089	LEBE49	1	LEGT47	COPI48
FD290601	LEBE49	1	LEGT47	COPI48
FD290801	LEBE49	1	LEGT47	COPI48
FD281302	LEBE49	1	LEGT47	COPI48
FD281301	LEBE49	1	LEGT47	COPI48
FD290901	LEBE49	1	LEGT47	COPI48
FD290902	LEBE49	1	LEGT47	COPI48
FD291001	LEBE49	1	LEGT47	COPI48
FD291101	LEBE49	1	LEGT47	COPI48
FD290501	LEBE49	0	LEGT47	COPI48
FD290701	LEBE49	0	LEGT47	COPI48
FDW12202	LEBE49	0	LEGT47	COPI48
FDW12212	LEBE49	1	LEGT47	COPI48
FD291401	LEBE49	1	LEGT47	COPI48
FD291521	LEBE49	0	LEGT47	COPI48
FD291511	LEBE49	0	LEGT47	COPI48
FDCON090	LEBE49	1	LEGT47	COPI48
FDW12201	LEBE49	2	LEGT47	COPI48
FD291621	COPI48	0		
FD291611	COPI48	0		
FD291821	COPI48	0		
FD291832	COPI48	0		
FD291811	COPI48	0		
FD291831	COPI48	0		
FD291701	COPI48	0		
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FD291903	COPI48	0		
FD291932	COPI48	0		
FD291902	COPI48	0		
FD291931	COPI48	0		
FD291901	COPI48	0		
FD292002	COPI48	0		
FD292031	COPI48	0		
FD292001	COPI48	0		
FD292101	COPI48	0		
FD292102	COPI48	0		
FD292103	COPI48	0		
FD292201	COPI48	0		
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FD292402	COPI48	0		
FD292431	COPI48	0		
FD292401	COPI48	0		
FD292621	COPI48	0		
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FD292711	COPI48	0		
FD292801	COPI48	0		
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FD292902	COPI48	0		
FD292903	COPI48	0		
FD293001	COPI48	0		
FD293002	COPI48	0		
FD293101	COPI48	0		
FD293102	COPI48	0		
FD293103	COPI48	0		
FD293201	COPI48	0		
FD293321	COPI48	0		
FD293301	COPI48	0		
FD293311	COPI48	0		
FD293402	COPI48	0		
FD293401	COPI48	0		
FD293503	LEBE49	0	LEGT47	COPI48

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FD293531	LEBE49	0	LEGT47	COPI48
FD293502	LEBE49	0	LEGT47	COPI48
FD293501	LEBE49	0	LEGT47	COPI48
FDCON092	LEBE49	1	COPI48	LEGT47
FDW12192	LEBE49	2	LEGT47	COPI48
FD293601	LEBE49	2	LEGT47	COPI48
FD293602	LEBE49	2	LEGT47	COPI48
FD293631	LEBE49	2	LEGT47	COPI48
FD516001	LEBE49	2	LEGT47	COPI48
FD516002	LEBE49	2	LEGT47	COPI48
FD516031	LEBE49	2	LEGT47	COPI48
FD293701	LEBE49	2	LEGT47	COPI48
FDP40241	LEBE49	2	LEGT47	COPI48
FDP40242	LEBE49	2	LEGT47	COPI48
FD402403	LEBE49	2	LEGT47	COPI48
FD293801	LRLR53	1	LEBE49	LABE52
FD293901	LRLR53	1	LEBE49	LABE52
FD293831	LRLR53	1	LEBE49	LABE52
FD294001	LRLR53	1	LEBE49	LABE52
FD294101	LRLR53	1	LEBE49	LABE52
FDP53301	LRLR53	0	LEBE49	LABE52
FD533002	LRLR53	0	LEBE49	LABE52
FD533031	LRLR53	0	LEBE49	LABE52
FD533003	LRLR53	0	LEBE49	LABE52
FD533032	LRLR53	0	LEBE49	LABE52
FDCON091	LRLR53	1	LEBE49	LABE52
FD294205	LRLR53	1	LEBE49	LABE52
FDW12181	LRLR53	0	LEBE49	LABE52
FD294332	LRLR53	0	LEBE49	LABE52
FD294333	LRLR53	0	LEBE49	LABE52
FD294301	LRLR53	0	LEBE49	LABE52
FD294331	LRLR53	0	LEBE49	LABE52
FD294302	LRLR53	0	LEBE49	LABE52
FD508801	LRLR53	0	LEBE49	LABE52
FD508921	LRLR53	0	LEBE49	LABE52
FD508911	LRLR53	0	LEBE49	LABE52
FD421821	LRLR53	0	LEBE49	LABE52
FD421811	LRLR53	0	LEBE49	LABE52
FD421822	LRLR53	0	LEBE49	LABE52
FD421812	LRLR53	0	LEBE49	LABE52
FD294401	LRLR53	0	LEBE49	LABE52
FD294431	LRLR53	0	LEBE49	LABE52
FD294501	LRLR53	0	LEBE49	LABE52
FD294621	LRLR53	0	LEBE49	LABE52
FD294611	LRLR53	0	LEBE49	LABE52
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FD294901	LRLR53	0	LEBE49	LABE52
FD294711	LRLR53	0	LEBE49	LABE52
FD295002	LRLR53	0	LEBE49	LABE52
FD295001	LRLR53	0	LEBE49	LABE52
FDCON098	LRLR53	1	LEBE49	LABE52
FDW12182	LRLR53	1	LEBE49	LABE52
FD294204	LRLR53	1	LEBE49	LABE52
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FD294201	LRLR53	1	LEBE49	LABE52
FD295221	LRLR53	1	LEBE49	LABE52
FD295211	LRLR53	1	LEBE49	LABE52
FD547221	LRLR53	1	LEBE49	LABE52
FD295302	LRLR53	1	LEBE49	LABE52
FD547211	LRLR53	1	LEBE49	LABE52
FD295301	LRLR53	1	LEBE49	LABE52
FD401203	LRLR53	1	LEBE49	LABE52
FDP40122	LRLR53	1	LEBE49	LABE52
FDP40121	LRLR53	1	LEBE49	LABE52
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FD295401	LAKE50	0		
FD295433	LAKE50	0		
FDW12172	LAKE50	0		
FD295502	LAKE50	0		
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FD295701	LAKE50	0		
FDCON187	LAKE50	0		
FD295821	LAKE50	0		
FD295811	LAKE50	0		
FD295902	LAKE50	0		
FD295901	LAKE50	0		
FD296001	LAKE50	0		
FD296221	LAKE50	0		
FD296211	LAKE50	0		

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FDCON186	LAKE50	0
FD296105	LAKE50	0
FD296104	LAKE50	0
FD296103	LAKE50	0
FDCON185	LAKE50	0
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FD296331	LAKE50	0
FDCON184	LAKE50	0
FD296302	LAKE50	0
FD296301	LAKE50	0
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FD296503	LAKE50	0
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FD296703	LAKE50	0
FD296702	LAKE50	0
FD296731	LAKE50	0
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FD297001	LAKE50	0
FD297002	LAKE50	0
FD297101	LAKE50	0
FD297102	LAKE50	0
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FD298602	LAKE50	0
FD298701	LAKE50	0
FDCON188	LAKE50	0
FD298801	LAKE50	0
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FD559321	LAYO51	1 LAKE50
FD559311	LAYO51	1 LAKE50
FD299021	LAYO51	1 LAKE50
FD298901	LAYO51	1 LAKE50
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FD299302	LAYO51	0 LAKE50
FD299311	LAYO51	0 LAKE50
FD299332	LAYO51	0 LAKE50
FDCON094	LAYO51	1 LAKE50
FD299503	LAYO51	1 LAKE50
FD299502	LAYO51	1 LAKE50

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FD299501	LAYO51	1	LAKE50	
FD299601	LAYO51	1	LAKE50	
FD559421	LAYO51	1	LAKE50	
FD559411	LAYO51	1	LAKE50	
FD299721	LAYO51	1	LAKE50	
FD299711	LAYO51	1	LAKE50	
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FD299901	LAYO51	1	LAKE50	
FD299802	LAYO51	1	LAKE50	
FDW12171	LAYO51	1	LAKE50	
FD300002	LAYO51	1	LAKE50	
FD300001	LAYO51	1	LAKE50	
FD300101	LAYO51	1	LAKE50	
FD300201	LAYO51	1	LAKE50	
FD300301	LABE52	1	LAYO51	
FDW12161	LABE52	1	LAYO51	
FDW12162	LABE52	0	LAYO51	
FD516101	LABE52	1	LAYO51	
FD516102	LABE52	1	LAYO51	
FD516131	LABE52	1	LAYO51	
FDW12151	LABE52	1	LAYO51	
FDP41301	LABE52	0	LAYO51	
FD4130P1	LABE52	0	LAYO51	
FD300401	LABE52	1	LAYO51	
FD300501	LABE52	1	LAYO51	
FD300621	LABE52	1	LAYO51	
FD300611	LABE52	1	LAYO51	
FD300701	LRLR53	1	LABE52	LEBE49
FD300702	LRLR53	1	LABE52	LEBE49
FD300703	LRLR53	1	LABE52	LEBE49
FD300801	LRLR53	1	LABE52	LEBE49
FD300704	LRLR53	1	LABE52	LEBE49
FD300903	LRLR53	1	LABE52	LEBE49
FD300705	LRLR53	1	LABE52	LEBE49
FD300902	LRLR53	1	LABE52	LEBE49
FD300901	LRLR53	1	LABE52	LEBE49
FD507601	LRLR53	1	LABE52	LEBE49
FD301001	LRLR53	1	LABE52	LEBE49
FDP40001	LRLR53	1	LABE52	LEBE49
FDP40031	LRLR53	1	LABE52	LEBE49
FDP40021	LRLR53	1	LABE52	LEBE49
FD301101	LRLR53	1	LABE52	LEBE49
FDCON095	LRLR53	1	LABE52	LEBE49
FDW12432	LRLR53	0	LEBE49	LABE52
FDCON096	LRLR53	2	LEBE49	LABE52
FDW12431	LRLR53	0	LEBE49	LABE52
FD301201	LRLR53	0	LEBE49	LABE52
FD301231	LRLR53	0	LEBE49	LABE52
FD301301	LRLR53	0	LEBE49	LABE52
FD301331	LRLR53	0	LEBE49	LABE52
FD301431	LRLR53	0	LEBE49	LABE52
FD301401	LRLR53	0	LEBE49	LABE52
FD301502	LRLR53	0	LEBE49	LABE52
FD301501	LRLR53	0	LEBE49	LABE52
FDP37631	LRLR53	0	LEBE49	LABE52
FD376331	LRLR53	0	LEBE49	LABE52
FD376302	LRLR53	0	LEBE49	LABE52
FDW12131	LRLR53	2	LEBE49	LABE52
FDW12191	LRLR53	1	LEBE49	LABE52
FDW12152	LRLR53	1	LABE52	LEBE49
FD409521	LRCAS8	1	LRLR53	GALA57
FD409511	LRCAS8	1	LRLR53	GALA57
FD376201	LRCAS8	1	LRLR53	GALA57
FD372602	LRCAS8	0	LRLR53	GALA57
FD372632	LRCAS8	0	LRLR53	GALA57
FD372601	LRCAS8	0	LRLR53	GALA57
FD372631	LRCAS8	0	LRLR53	GALA57
FD372501	LRCAS8	0	LRLR53	GALA57
FDCON110	LRCAS8	1	LRLR53	GALA57
FDCON099	LRCAS8	1	LRLR53	GALA57
FD410921	LRCAS8	1	LRLR53	GALA57
FD410911	LRCAS8	1	LRLR53	GALA57
FDP40151	LRCAS8	1	LRLR53	GALA57
FD401502	LRCAS8	1	LRLR53	GALA57
FD401504	LRCAS8	1	LRLR53	GALA57
FD401503	LRCAS8	1	LRLR53	GALA57
FD401505	LRCAS8	1	LRLR53	GALA57
FDCON100	LRCAS8	1	LRLR53	GALA57
FD372701	LRCAS8	0	LRLR53	GALA57
FD372731	LRCAS8	0	LRLR53	GALA57
FD372831	LRCAS8	0	LRLR53	GALA57
FD372901	LRCAS8	0	LRLR53	GALA57
FD372931	LRCAS8	0	LRLR53	GALA57
FDCON101	LRCAS8	1	LRLR53	GALA57

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FD427901	LRCA58	1	LRLR53	GALA57
FD427903	LRCA58	0	LRLR53	GALA57
FD427931	LRCA58	0	LRLR53	GALA57
FD427902	LRCA58	1	LRLR53	GALA57
FDW12511	NGGE54	0		
FD373002	NGGE54	0		
FD373032	NGGE54	0		
FD373001	NGGE54	0		
FD373031	NGGE54	0		
FD373101	NGGE54	0		
FD373231	NGGE54	0		
FDW12501	SGGE55	0		
FD373504	SGGE55	0		
FD373503	SGGE55	0		
FD373502	SGGE55	0		
FD373501	SGGE55	0		
FD373601	SGGE55	0		
FD373701	SGGE55	0		
FDW12502	GAGE56	1	SGGE55	NGGE54
FDW12491	NGGE54	0		
FDW12481	NGGE54	0		
FD516201	NGGE54	0		
FDW12492	NGGE54	0		
FD516231	NGGE54	0		
FD516202	NGGE54	0		
FD373331	GAGE56	1	NGGE54	SGGE55
FD373332	GAGE56	1	NGGE54	SGGE55
FD391301	GAGE56	0	NGGE54	SGGE55
FD391331	GAGE56	0	NGGE54	SGGE55
FD373403	GAGE56	0	NGGE54	SGGE55
FD373433	GAGE56	0	NGGE54	SGGE55
FD373402	GAGE56	0	NGGE54	SGGE55
FD373432	GAGE56	0	NGGE54	SGGE55
FD373401	GAGE56	0	NGGE54	SGGE55
FD373431	GAGE56	0	NGGE54	SGGE55
FDCON103	GAGE56	1	NGGE54	SGGE55
FDCON105	GAGE56	2	NGGE54	SGGE55
FD373831	GAGE56	2	NGGE54	SGGE55
FD373901	GALA57	1	GAGE56	
FD374001	GALA57	1	GAGE56	
FD374101	GALA57	1	GAGE56	
FD374221	GALA57	1	GAGE56	
FD374211	GALA57	1	GAGE56	
FDCON106	GALA57	1	GAGE56	
FD553332	GALA57	0	GAGE56	
FD553301	GALA57	0	GAGE56	
FD553331	GALA57	0	GAGE56	
FD374304	GALA57	0	GAGE56	
FD374303	GALA57	0	GAGE56	
FD374302	GALA57	0	GAGE56	
FD374301	GALA57	0	GAGE56	
FD374202	GALA57	0	GAGE56	
FD374201	GALA57	0	GAGE56	
FD374402	GALA57	1	GAGE56	
FD374503	GALA57	1	GAGE56	
FD374502	GALA57	1	GAGE56	
FD374401	GALA57	1	GAGE56	
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FD374701	GALA57	1	GAGE56	
FDP40911	GALA57	1	GAGE56	
FD4091P1	GALA57	1	GAGE56	
FD374801	GALA57	1	GAGE56	
FDW12482	GALA57	1	GAGE56	
FD516301	GALA57	1	GAGE56	
FD516302	GALA57	1	GAGE56	
FD516331	GALA57	1	GAGE56	
FDW12471	GALA57	0	GAGE56	
FDW12472	GALA57	0	GAGE56	
FDW12141	GALA57	1	GAGE56	
FD374905	LRCA58	1	GALA57	LRLR53
FD374904	LRCA58	1	GALA57	LRLR53
FD374903	LRCA58	1	GALA57	LRLR53
FD374902	LRCA58	1	GALA57	LRLR53
FD374901	LRCA58	1	GALA57	LRLR53
FD375005	LRCA58	1	GALA57	LRLR53
FD375004	LRCA58	1	GALA57	LRLR53
FD375003	LRCA58	1	GALA57	LRLR53
FD375002	LRCA58	1	GALA57	LRLR53
FD375001	LRCA58	1	GALA57	LRLR53
FDW12442	LRCA58	1	GALA57	LRLR53
FD400702	LRCA58	0	LRLR53	GALA57
FD400703	LRCA58	0	LRLR53	GALA57
FDW12441	LRCA58	0	LRLR53	GALA57

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FD397131	LRCA58	0	LRLR53	GALA57
FD511831	LRCA58	0	LRLR53	GALA57
FD417131	LRCA58	0	LRLR53	GALA57
FD375101	LRCA58	0	LRLR53	GALA57
FD416621	LRCA58	0	LRLR53	GALA57
FD416611	LRCA58	0	LRLR53	GALA57
FD375332	LRCA58	0	LRLR53	GALA57
FD375301	LRCA58	0	LRLR53	GALA57
FD375331	LRCA58	0	LRLR53	GALA57
FD518831	LRCA58	0	LRLR53	GALA57
FD375231	LRCA58	0	LRLR53	GALA57
FD375401	LRCA58	0	LRLR53	GALA57
FD375431	LRCA58	0	LRLR53	GALA57
FD375601	LRCA58	0	LRLR53	GALA57
FD375505	LRCA58	0	LRLR53	GALA57
FD375532	LRCA58	0	LRLR53	GALA57
FD375503	LRCA58	0	LRLR53	GALA57
FD375506	LRCA58	0	LRLR53	GALA57
FD375533	LRCA58	0	LRLR53	GALA57
FD375701	LRCA58	0	LRLR53	GALA57
FD375731	LRCA58	0	LRLR53	GALA57
FD375504	LRCA58	0	LRLR53	GALA57
FD375531	LRCA58	0	LRLR53	GALA57
FD375502	LRCA58	0	LRLR53	GALA57
FD375501	LRCA58	0	LRLR53	GALA57
FDCON102	LRCA58	1	GALA57	LRLR53
FDCON107	LRCA58	2	LRLR53	GALA57
FDW12142	LRCA58	1	GALA57	LRLR53
FD375801	LRCA58	2	LRLR53	GALA57
FDP42121	LRCA58	2	LRLR53	GALA57
FD375901	LRCA58	2	LRLR53	GALA57
FDP37611	LRCA58	2	LRLR53	GALA57
FD376102	LRCA58	2	LRLR53	GALA57
FD376001	LRCA58	2	LRLR53	GALA57
FD376101	LRCA58	2	LRLR53	GALA57
FD376131	LRCA58	2	LRLR53	GALA57
FD375903	LRCA58	0	LRLR53	GALA57
FD375932	LRCA58	0	LRLR53	GALA57
FD375902	LRCA58	0	LRLR53	GALA57
FD375931	LRCA58	0	LRLR53	GALA57
FD376231	LRCA58	0	LRLR53	GALA57
FDCON108	LRCA58	2	LRLR53	GALA57
FD376301	BRBR59	1	LRCA58	BRHB42
FD376402	BRBR59	1	LRCA58	BRHB42
FD376401	BRBR59	1	LRCA58	BRHB42
FD376504	BRBR59	1	LRCA58	BRHB42
FD376503	BRBR59	1	LRCA58	BRHB42
FD376502	BRBR59	1	LRCA58	BRHB42
FD376501	BRBR59	1	LRCA58	BRHB42
FD376601	BRBR59	1	LRCA58	BRHB42
FD522631	BRBR59	0	BRHB42	LRCA58
FD554801	BRBR59	0	BRHB42	LRCA58
FD376801	BRBR59	0	BRHB42	LRCA58
FD376831	BRBR59	0	BRHB42	LRCA58
FD376701	BRBR59	0	BRHB42	LRCA58
FD376731	BRBR59	0	BRHB42	LRCA58
FD376702	BRBR59	0	BRHB42	LRCA58
FD376732	BRBR59	0	BRHB42	LRCA58
FD376705	BRBR59	0	BRHB42	LRCA58
FD376735	BRBR59	0	BRHB42	LRCA58
FD376704	BRBR59	0	BRHB42	LRCA58
FD376734	BRBR59	0	BRHB42	LRCA58
FD376703	BRBR59	0	BRHB42	LRCA58
FD376733	BRBR59	0	BRHB42	LRCA58
FD522731	BRBR59	0	BRHB42	LRCA58
FDCON109	BRBR59	1	LRCA58	BRHB42
FD376602	BRBR59	1	LRCA58	BRHB42
FD376603	BRBR59	1	LRCA58	BRHB42
FD376604	BRBR59	1	LRCA58	BRHB42
FD376605	BRBR59	1	LRCA58	BRHB42
FD376901	BRBR59	1	LRCA58	BRHB42
FD507721	BRBR59	1	LRCA58	BRHB42
FD507711	BRBR59	1	LRCA58	BRHB42
FD377002	BRBR59	1	LRCA58	BRHB42
FD377001	BRBR59	1	LRCA58	BRHB42
FD377103	BRBR59	0	BRHB42	LRCA58
FD377102	BRBR59	1	LRCA58	BRHB42
FD377101	BRBR59	1	LRCA58	BRHB42
FD377201	BRBR59	1	LRCA58	BRHB42
FD377307	BRBR59	1	LRCA58	BRHB42
FD377202	BRBR59	1	LRCA58	BRHB42
FD377306	BRBR59	1	LRCA58	BRHB42
FD377305	BRBR59	1	LRCA58	BRHB42
FD377203	BRBR59	1	LRCA58	BRHB42

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FD377401	BRBR59	1	LRCA58	BRHB42	
FD377304	BRBR59	0	BRHB42	LRCA58	
FD377332	BRBR59	0	BRHB42	LRCA58	
FD377303	BRBR59	1	LRCA58	BRHB42	
FD377503	BRBR59	1	LRCA58	BRHB42	
FD377302	BRBR59	1	LRCA58	BRHB42	
FD377502	BRBR59	1	LRCA58	BRHB42	
** Points deleted from coverage as per TNRCC					
**FD377301	BRBR59	0	BRHB42	LRCA58	
**FD377331	BRBR59	0	BRHB42	LRCA58	
FD377501	BRBR59	1	LRCA58	BRHB42	
FD436902	BRBR59	0	BRHB42	LRCA58	
FD436932	BRBR59	0	BRHB42	LRCA58	
FD436901	BRBR59	0	BRHB42	LRCA58	
FD436931	BRBR59	0	BRHB42	LRCA58	
FD433901	BRWA41	3	BRAQ33	AQAQ34	BOWA40
FD434001	BRWA41	3	BRAQ33	AQAQ34	BOWA40
FD434031	BRWA41	3	BRAQ33	AQAQ34	BOWA40
FDCON216	BRHB42	1	BRWA41		
FD508501	BRHB42	1	BRWA41		
FD434402	BRHB42	1	BRWA41		
FD500001	BRHB42	0	BRWA41		
FD500031	BRHB42	0	BRWA41		
FD434202	BRHB42	0	BRWA41		
FD434231	BRHB42	0	BRWA41		
FD434331	BRHB42	0	BRWA41		
FD434332	BRHB42	0	BRWA41		
FD434421	BRHB42	0	BRWA41		
FD434411	BRHB42	0	BRWA41		
FDCON112	BRHB42	1	BRWA41		
FD434201	BRHB42	1	BRWA41		
FD434401	BRHB42	1	BRWA41		
FD393603	BRHB42	1	BRWA41		
FD393602	BRHB42	1	BRWA41		
FD393601	BRHB42	1	BRWA41		
FD434502	BRHB42	0	BRWA41		
FD434531	BRHB42	0	BRWA41		
FDCON217	BRHB42	1	BRWA41		
FD434501	BRHB42	1	BRWA41		
FDP40421	BRHB42	1	BRWA41		
FDP40891	BRHB42	1	BRWA41		
FD404202	BRHB42	1	BRWA41		
FDP40892	BRHB42	1	BRWA41		
FD434602	BRHB42	1	BRWA41		
FD434601	BRHB42	1	BRWA41		
FD401421	BRHB42	1	BRWA41		
FD556321	BRHB42	1	BRWA41		
FD556311	BRHB42	1	BRWA41		
FD559201	BRHB42	1	BRWA41		
FD401321	BRHB42	1	BRWA41		
FD401311	BRHB42	1	BRWA41		
FD401411	BRHB42	1	BRWA41		
FD434701	BRHB42	0	BRWA41		
FD434731	BRHB42	0	BRWA41		
FD434801	BRHB42	0	BRWA41		
FD434831	BRHB42	0	BRWA41		
FD434903	BRHB42	0	BRWA41		
FD434933	BRHB42	0	BRWA41		
FD434902	BRHB42	0	BRWA41		
FD434932	BRHB42	0	BRWA41		
FD434901	BRHB42	0	BRWA41		
FD434931	BRHB42	0	BRWA41		
FD435001	BRHB42	0	BRWA41		
FD435031	BRHB42	0	BRWA41		
FD435101	BRHB42	0	BRWA41		
FD435131	BRHB42	0	BRWA41		
FD435201	BRHB42	0	BRWA41		
FD435231	BRHB42	0	BRWA41		
FD435301	BRHB42	0	BRWA41		
FD435331	BRHB42	0	BRWA41		
FD435401	BRHB42	0	BRWA41		
FD435431	BRHB42	0	BRWA41		
FDCON113	BRHB42	1	BRWA41		
FD401322	BRHB42	1	BRWA41		
FD401312	BRHB42	1	BRWA41		
FD424601	BRHB42	1	BRWA41		
FD435631	BRHB42	0	BRWA41		
FDP41081	BRHB42	1	BRWA41		
FDP41082	BRHB42	1	BRWA41		
FD435601	BRHB42	0	BRWA41		
FDCON114	BRHB42	1	BRWA41		
FD435731	BRHB42	0	BRWA41		
FDCON115	BRHB42	1	BRWA41		
FD435503	BRBR59	0	BRHB42	LRCA58	

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FD435533	BRBR59	0	BRHB42	LRCA58
FDW12424	BRBR59	0	BRHB42	LRCA58
FD435532	BRBR59	0	BRHB42	LRCA58
FDW12423	BRBR59	0	BRHB42	LRCA58
FD435502	BRBR59	0	BRHB42	LRCA58
FD435531	BRBR59	0	BRHB42	LRCA58
FDCON116	BRHB42	1	BRWA41	
FD435801	BRHB42	1	BRWA41	
FD435802	BRHB42	1	BRWA41	
FDP40631	BRHB42	1	BRWA41	
FDCON218	BRHB42	1	BRWA41	
FD406331	BRHB42	0	BRWA41	
FD406302	BRHB42	0	BRWA41	
FD435902	BRBR59	1	BRHB42	LRCA58
FD435901	BRBR59	1	BRHB42	LRCA58
FD407521	BRBR59	1	BRHB42	LRCA58
FD407511	BRBR59	1	BRHB42	LRCA58
FDP40761	BRBR59	1	BRHB42	LRCA58
FDP40781	BRBR59	1	BRHB42	LRCA58
FD407802	BRBR59	1	BRHB42	LRCA58
FD436002	BRBR59	0	BRHB42	LRCA58
FD436031	BRBR59	0	BRHB42	LRCA58
FD436001	BRBR59	0	BRHB42	LRCA58
FDCON117	BRBR59	1	BRHB42	LRCA58
FD407803	BRBR59	1	BRHB42	LRCA58
FDP40231	BRBR59	1	BRHB42	LRCA58
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FD436402	BRBR59	1	BRHB42	LRCA58
FD436401	BRBR59	1	BRHB42	LRCA58
FD436501	BRBR59	1	BRHB42	LRCA58
FD436601	BRBR59	1	BRHB42	LRCA58
FD436702	BRBR59	1	BRHB42	LRCA58
FD436701	BRBR59	1	BRHB42	LRCA58
FD547001	BRBR59	1	BRHB42	LRCA58
FDCON111	BRBR59	2	BRHB42	LRCA58
FDW12132	BRBR59	2	BRHB42	LRCA58
FDP41451	BRBR59	2	BRHB42	LRCA58
FD436802	BRBR59	2	BRHB42	LRCA58
FD436801	BRBR59	2	BRHB42	LRCA58
FDCON118	BRBR59	2	BRHB42	LRCA58
FDP40801	BRBR59	2	BRHB42	LRCA58
FDP40802	BRBR59	2	BRHB42	LRCA58
FDP40803	BRBR59	2	BRHB42	LRCA58
FD408004	BRBR59	2	BRHB42	LRCA58
FD437001	BRBR59	2	BRHB42	LRCA58
FD437002	BRBR59	2	BRHB42	LRCA58
FD437003	BRBR59	0	BRHB42	LRCA58
FD437031	BRBR59	0	BRHB42	LRCA58
FD437004	BRBR59	0	BRHB42	LRCA58
FD437032	BRBR59	0	BRHB42	LRCA58
FD437102	BRBR59	2	BRHB42	LRCA58
FD437101	BRBR59	2	BRHB42	LRCA58
FD437201	BRBR59	2	BRHB42	LRCA58
FD437332	BRBR59	0	BRHB42	LRCA58
FD437331	BRBR59	0	BRHB42	LRCA58
FD437431	BRBR59	0	BRHB42	LRCA58
FDCON119	BRBR59	2	BRHB42	LRCA58
FD437202	BRBR59	0	BRHB42	LRCA58
FD437231	BRBR59	0	BRHB42	LRCA58
FDCON120	BRBR59	2	BRHB42	LRCA58
FDP53491	BRBR59	2	BRHB42	LRCA58
FD511731	BRBR59	0	BRHB42	LRCA58
FD5326P1	BRBR59	0	BRHB42	LRCA58
FD5326P2	BRBR59	0	BRHB42	LRCA58
FD511732	BRBR59	0	BRHB42	LRCA58
FD548231	BRBR59	0	BRHB42	LRCA58
FD514832	BRBR59	0	BRHB42	LRCA58
FD437501	BRBR59	0	BRHB42	LRCA58
FD437503	BRBR59	0	BRHB42	LRCA58
FD437532	BRBR59	0	BRHB42	LRCA58
FD437502	BRBR59	0	BRHB42	LRCA58
FD437531	BRBR59	0	BRHB42	LRCA58
FD514833	BRBR59	0	BRHB42	LRCA58
FD510631	BRBR59	0	BRHB42	LRCA58
FD514831	BRBR59	0	BRHB42	LRCA58
FD436304	BRBR59	0	BRHB42	LRCA58
FD436305	BRBR59	0	BRHB42	LRCA58
FD436303	BRBR59	0	BRHB42	LRCA58
FD436406	BRBR59	0	BRHB42	LRCA58

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FD436405	BRBR59	0	BRHB42	LRCA58		
FD437601	BRBR59	0	BRHB42	LRCA58		
FD437733	BRBR59	0	BRHB42	LRCA58		
FD437701	BRBR59	0	BRHB42	LRCA58		
FD437732	BRBR59	0	BRHB42	LRCA58		
FD437731	BRBR59	0	BRHB42	LRCA58		
FD437831	BRBR59	0	BRHB42	LRCA58		
FDCON121	BRBR59	2	BRHB42	LRCA58		
FD526801	BRHE68	0	BRBR59	YCSO62	DCLY63	NABR67
FD526831	BRHE68	0	BRBR59	YCSO62	DCLY63	NABR67
FD526901	BRHE68	0	BRBR59	YCSO62	DCLY63	NABR67
FD526902	BRHE68	0	BRBR59	YCSO62	DCLY63	NABR67
FD527031	BRHE68	0	BRBR59	YCSO62	DCLY63	NABR67
FDCON122	BRHE68	1	BRBR59	YCSO62	DCLY63	NABR67
FD527101	BRHE68	1	BRBR59	YCSO62	DCLY63	NABR67
FDP41281	BRHE68	1	BRBR59	YCSO62	DCLY63	NABR67
FD560302	BRHE68	1	BRBR59	YCSO62	DCLY63	NABR67
FDP40171	BRHE68	1	BRBR59	YCSO62	DCLY63	NABR67
FD401702	BRHE68	1	BRBR59	YCSO62	DCLY63	NABR67
FD528511	BRHE68	1	BRBR59	YCSO62	DCLY63	NABR67
FD528522	BRHE68	1	BRBR59	YCSO62	DCLY63	NABR67
FD401622	BRHE68	1	BRBR59	YCSO62	DCLY63	NABR67
FD527131	BRHE68	0	BRBR59	YCSO62	DCLY63	NABR67
FD527102	BRHE68	0	BRBR59	YCSO62	DCLY63	NABR67
FD560301	BRHE68	0	BRBR59	YCSO62	DCLY63	NABR67
FD527301	EYDB61	0				
FD527331	EYDB61	0				
FD554031	EYDB61	0				
FD527201	EYDB61	0				
FD527231	EYDB61	0				
FDCON226	EYDB61	0				
FDCON225	EYDB61	0				
FD554032	EYDB61	0				
FD527401	EYDB61	0				
FD527431	EYDB61	0				
FDCON224	EYDB61	0				
FDCON124	YCSO62	2	MYDB60	EYDB61		
**FDW12121	YCSO62	2	MYDB60	EYDB61		
FD527502	YCSO62	0	MYDB60	EYDB61		
FD527532	YCSO62	0	MYDB60	EYDB61		
FD527501	YCSO62	0	MYDB60	EYDB61		
FD527531	YCSO62	0	MYDB60	EYDB61		
FDCON125	YCSO62	0	MYDB60	EYDB61		
FD527601	YCSO62	0	MYDB60	EYDB61		
FD527631	YCSO62	0	MYDB60	EYDB61		
FD527733	YCSO62	0	MYDB60	EYDB61		
FD527732	YCSO62	0	MYDB60	EYDB61		
FD527731	YCSO62	0	MYDB60	EYDB61		
FD527701	YCSO62	0	MYDB60	EYDB61		
FD527831	YCSO62	0	MYDB60	EYDB61		
FDCON126	YCSO62	2	MYDB60	EYDB61		
FD527932	YCSO62	0	MYDB60	EYDB61		
FD527931	YCSO62	0	MYDB60	EYDB61		
FDCON227	YCSO62	2	MYDB60	EYDB61		
FD527933	YCSO62	0	MYDB60	EYDB61		
FDCON128	YCSO62	2	MYDB60	EYDB61		
FD528001	YCSO62	0	MYDB60	EYDB61		
FDCON228	YCSO62	2	MYDB60	EYDB61		
FDW12111	YCSO62	2	MYDB60	EYDB61		
FD516402	YCSO62	2	MYDB60	EYDB61		
FD516431	YCSO62	2	MYDB60	EYDB61		
FD516401	YCSO62	2	MYDB60	EYDB61		
FDW12122	YCSO62	2	MYDB60	EYDB61		
FD528131	DCLY63	0				
FD528232	DCLY63	0				
FD528231	DCLY63	0				
FDCON223	DCLY63	0				
FDP41401	DCLY63	0				
FDCON222	DCLY63	0				
FD528332	DCLY63	0				
FDCON221	DCLY63	0				
FD528331	DCLY63	0				
FD528335	DCLY63	0				
FD528336	DCLY63	0				
FDCON220	DCLY63	0				
FD528333	DCLY63	0				
FD528334	DCLY63	0				
FDCON219	DCLY63	0				
FDCON123	BRHE68	2	YCSO62	DCLY63	BRBR59	NABR67
FD528431	BRHE68	0	BRBR59	YCSO62	DCLY63	NABR67
FD528401	BRHE68	0	BRBR59	YCSO62	DCLY63	NABR67
FDCON129	BRHE68	2	YCSO62	DCLY63	BRBR59	NABR67
FDW12101	NAGR64	0				
FDW12102	NAGR64	0				

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FDW12532	NAGR64	0				
FD528731	NAGR64	0				
FD528701	NAGR64	0				
FD528801	NAGR64	0				
FD528831	NAGR64	0				
FD528931	NAEA66	1	NAGR64	BGFR65		
FD528901	NAEA66	1	NAGR64	BGFR65		
FD529031	NAEA66	0	NAGR64	BGFR65		
FD529001	NAEA66	0	NAGR64	BGFR65		
FDCON131	NAEA66	1	NAGR64	BGFR65		
FDW12531	NAEA66	1	NAGR64	BGFR65		
FD529131	BGFR65	0				
FD529101	BGFR65	0				
FD529332	BGFR65	0				
FD529331	BGFR65	0				
FD529201	BGFR65	0				
FDCON229	BGFR65	0				
FD529431	BGFR65	0				
FDCON250	BGFR65	0				
FDW12522	BGFR65	0				
FD529531	NAEA66	0	NAGR64	BGFR65		
FDCON132	NAEA66	2	NAGR64	BGFR65		
FD531904	NAEA66	0	NAGR64	BGFR65		
FD531938	NAEA66	0	NAGR64	BGFR65		
FD531905	NAEA66	0	NAGR64	BGFR65		
FD531939	NAEA66	0	NAGR64	BGFR65		
FD531930	NAEA66	0	NAGR64	BGFR65		
FD531907	NAEA66	0	NAGR64	BGFR65		
FD53193C	NAEA66	0	NAGR64	BGFR65		
FD5319P1	NAEA66	0	NAGR64	BGFR65		
FDP53192	NAEA66	0	NAGR64	BGFR65		
FD531934	NAEA66	0	NAGR64	BGFR65		
FD5319P2	NAEA66	0	NAGR64	BGFR65		
FD53193D	NAEA66	0	NAGR64	BGFR65		
FDP53191	NAEA66	0	NAGR64	BGFR65		
FD531933	NAEA66	0	NAGR64	BGFR65		
FD531935	NAEA66	0	NAGR64	BGFR65		
FD531936	NAEA66	0	NAGR64	BGFR65		
FDCON230	NAEA66	2	NAGR64	BGFR65		
FD531903	NAEA66	0	NAGR64	BGFR65		
FD531937	NAEA66	0	NAGR64	BGFR65		
FD5319PB	NAEA66	0	NAGR64	BGFR65		
FD531906	NAEA66	0	NAGR64	BGFR65		
FD5319PA	NAEA66	0	NAGR64	BGFR65		
FDCON133	NAEA66	2	NAGR64	BGFR65		
FDW12092	NAEA66	2	NAGR64	BGFR65		
FD516501	NAEA66	2	NAGR64	BGFR65		
FD516531	NAEA66	2	NAGR64	BGFR65		
** FNI change						
FD51651F	NAEA66	2	NAGR64	BGFR65		
**						
FDW12521	NAEA66	2	NAGR64	BGFR65		
FD531908	NAEA66	0	NAGR64	BGFR65		
FD53193E	NAEA66	0	NAGR64	BGFR65		
FD536731	NAEA66	0	NAGR64	BGFR65		
FD529731	NAEA66	0	NAGR64	BGFR65		
FD516032	NAEA66	0	NAGR64	BGFR65		
FD5160P1	NAEA66	0	NAGR64	BGFR65		
FDCON134	NAEA66	2	NAGR64	BGFR65		
FD529801	NABR67	0	NAEA66			
FD529831	NABR67	0	NAEA66			
FDCON135	NABR67	1	NAEA66			
FD529931	NABR67	0	NAEA66			
FD429601	NABR67	0	NAEA66			
FD429631	NABR67	0	NAEA66			
FD429602	NABR67	0	NAEA66			
FD429632	NABR67	0	NAEA66			
FD429603	NABR67	0	NAEA66			
FD429633	NABR67	0	NAEA66			
FDCON136	NABR67	1	NAEA66			
FD530031	NABR67	0	NAEA66			
FD530131	NABR67	0	NAEA66			
FDCON137	NABR67	1	NAEA66			
FD530235	NABR67	0	NAEA66			
FD530231	NABR67	0	NAEA66			
FD530234	NABR67	0	NAEA66			
FD530233	NABR67	0	NAEA66			
FD530232	NABR67	0	NAEA66			
FD530331	NABR67	0	NAEA66			
FDCON138	NABR67	1	NAEA66			
FD530431	BRHE68	0	BRBR59	YCSO62	DCLY63	NABR67
FDCON139	BRHE68	1	NABR67	BRBR59	YCSO62	DCLY63
FD530531	BRHE68	0	BRBR59	YCSO62	DCLY63	NABR67
FDCON140	BRHE68	1	NABR67	BRBR59	YCSO62	DCLY63

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FD530631	BRHE68	0	BRBR59	YCSO62	DCLY63	NABR67
FDCON141	BRHE68	1	NABR67	BRBR59	YCSO62	DCLY63

**Revision. 12/29/05

**Flow distribution revised as a result of relocating control point in main stem of Navasota River.

**FD530701 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

**FD530731 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD530701 BRHE68 1 NABR67 BRBR59 YCSO62 DCLY63

FDCON247 BRHE68 1 NABR67 BRBR59 YCSO62 DCLY63

FD530801 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD530831 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD542201 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD530931 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD535731 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD534532 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD534531 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD531031 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FDP53291 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD532903 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FDCON142 BRHE68 1 NABR67 BRBR59 YCSO62 DCLY63

FD532902 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD532931 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD538531 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD508133 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD508132 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD508131 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FDCON143 BRHE68 1 NABR67 BRBR59 YCSO62 DCLY63

FD513233 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD557011 BRHE68 1 NABR67 BRBR59 YCSO62 DCLY63

FD513231 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD513232 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FDCON144 BRHE68 1 NABR67 BRBR59 YCSO62 DCLY63

FD531431 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FDCON146 BRHE68 1 NABR67 BRBR59 YCSO62 DCLY63

FD547301 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD547331 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD531101 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD531131 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD531201 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD531231 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD545801 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD545831 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD505336 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD505334 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD531331 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD505331 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD505333 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD505335 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD505332 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD535402 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD535432 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FDP53541 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD535431 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD513201 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FDCON145 BRHE68 1 NABR67 BRBR59 YCSO62 DCLY63

FD557021 BRHE68 1 NABR67 BRBR59 YCSO62 DCLY63

FD556601 BRHE68 1 NABR67 BRBR59 YCSO62 DCLY63

FD528623 BRHE68 1 NABR67 BRBR59 YCSO62 DCLY63

FDP40161 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD4016P1 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FDCON231 BRHE68 1 NABR67 BRBR59 YCSO62 DCLY63

FD528613 BRHE68 1 NABR67 BRBR59 YCSO62 DCLY63

FDW12112 BRHE68 2 YCSO62 DCLY63 BRBR59 NABR67

FDCON130 BRHE68 3 BRBR59 YCSO62 DCLY63 NABR67

FD401612 BRHE68 3 BRBR59 YCSO62 DCLY63 NABR67

FD528521 BRHE68 3 BRBR59 YCSO62 DCLY63 NABR67

FD528512 BRHE68 3 BRBR59 YCSO62 DCLY63 NABR67

FD401121 BRHE68 3 BRBR59 YCSO62 DCLY63 NABR67

FD401111 BRHE68 3 BRBR59 YCSO62 DCLY63 NABR67

FD401621 BRHE68 3 BRBR59 YCSO62 DCLY63 NABR67

FD401602 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD401611 BRHE68 3 BRBR59 YCSO62 DCLY63 NABR67

FD401632 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD401633 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD401603 BRHE68 0 BRBR59 YCSO62 DCLY63 NABR67

FD423202 BRRI70 0 BRHE68 MCBL69

FD423203 BRRI70 0 BRHE68 MCBL69

FD423204 BRRI70 0 BRHE68 MCBL69

FDCON232 BRHE68 3 BRBR59 YCSO62 DCLY63 NABR67

FD528621 BRHE68 3 BRBR59 YCSO62 DCLY63 NABR67

FD528611 BRHE68 3 BRBR59 YCSO62 DCLY63 NABR67

FD528622 BRHE68 3 BRBR59 YCSO62 DCLY63 NABR67

FD528612 BRHE68 3 BRBR59 YCSO62 DCLY63 NABR67

FDCON147 BRHE68 4 BRBR59 YCSO62 DCLY63 NABR67

FDW12021 BRHE68 4 BRBR59 YCSO62 DCLY63 NABR67

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FD529002	BRHE68	0	BRBR59	YCSO62	DCLY63	NABR67
FDP52901	BRHE68	0	BRBR59	YCSO62	DCLY63	NABR67
FDCON148	BRHE68	4	BRBR59	YCSO62	DCLY63	NABR67
FDW12421	BRHE68	3	BRBR59	YCSO62	DCLY63	NABR67
FD529003	BRHE68	4	BRBR59	YCSO62	DCLY63	NABR67
FD531635	BRHE68	0	BRBR59	YCSO62	DCLY63	NABR67
FD531631	BRHE68	0	BRBR59	YCSO62	DCLY63	NABR67
FD531632	BRHE68	0	BRBR59	YCSO62	DCLY63	NABR67
FD531633	BRHE68	0	BRBR59	YCSO62	DCLY63	NABR67
FD531634	BRHE68	0	BRBR59	YCSO62	DCLY63	NABR67
FD531531	BRHE68	0	BRBR59	YCSO62	DCLY63	NABR67
FD561631	BRHE68	0	BRBR59	YCSO62	DCLY63	NABR67
FD531731	BRRI70	0	BRHE68	MCBL69		
FDCON149	BRHE68	4	BRBR59	YCSO62	DCLY63	NABR67
FD531831	BRRI70	0	BRHE68	MCBL69		
FDCON150	BRRI70	1	BRHE68	MCBL69		
FDP40091	BRRI70	1	BRHE68	MCBL69		
FDCON151	BRRI70	2	BRHE68	MCBL69		
FD428001	BRRI70	2	BRHE68	MCBL69		
FD516604	BRRI70	2	BRHE68	MCBL69		
FD292502	BRRI70	2	BRHE68	MCBL69		
FD292501	BRRI70	0	BRHE68	MCBL69		
FD517102	BRRO72	0	BRRI70	BGNE71		
FD516801	BRRO72	0	BRRI70	BGNE71		
FD517101	BRRI70	2	BRHE68	MCBL69		
FD531931	BRRI70	0	BRHE68	MCBL69		
FD532501	BRRO72	0	BRRI70	BGNE71		
FD532502	BRRO72	0	BRRI70	BGNE71		
FD532503	BRRO72	0	BRRI70	BGNE71		
FD532504	BRRO72	0	BRRI70	BGNE71		
FD536604	BRGM73	0	BRRO72			
FD536631	BRGM73	0	BRRO72			
FDCON233	BRRI70	2	BRHE68	MCBL69		
FD292531	BRRI70	0	BRHE68	MCBL69		
FD423201	BRRI70	0	BRHE68	MCBL69		
FDCON153	BRRI70	2	BRHE68	MCBL69		
FD423231	BRRI70	0	BRHE68	MCBL69		
FD531902	BRRI70	0	BRHE68	MCBL69		
FD531901	BRRI70	0	BRHE68	MCBL69		
FD516802	BRRI70	2	BRHE68	MCBL69		
FD531932	BRRI70	0	BRHE68	MCBL69		
FDCON234	BRRI70	2	BRHE68	MCBL69		
FDW12451	BRRI70	2	BRHE68	MCBL69		
FD516702	BRRI70	2	BRHE68	MCBL69		
FD516603	BRRI70	2	BRHE68	MCBL69		
FD532001	BRRI70	2	BRHE68	MCBL69		
FD556721	BRRO72	1	BRRI70	BGNE71		
FD556711	BRRO72	1	BRRI70	BGNE71		
FDCON235	BRRO72	1	BRRI70	BGNE71		
**FD511051	BRRO72	0	BRRI70	BGNE71		
FD517301	BRRO72	0	BRRI70	BGNE71		
FD511001	BRRO72	0	BRRI70	BGNE71		
FD511002	BRRO72	0	BRRI70	BGNE71		
FD511031	BRRO72	0	BRRI70	BGNE71		
FD511032	BRRO72	0	BRRI70	BGNE71		
FDCON154	BRRO72	1	BRRI70	BGNE71		
FD519901	BRRO72	0	BRRI70	BGNE71		
FD555201	BRRO72	1	BRRI70	BGNE71		
FD555221	BRRO72	1	BRRI70	BGNE71		
FD555211	BRRO72	1	BRRI70	BGNE71		
FDCON237	BRRO72	1	BRRI70	BGNE71		
FD516602	BRRO72	0	BRRI70	BGNE71		
FDCON155	BRRO72	1	BRRI70	BGNE71		
FD516701	BRRO72	0	BRRI70	BGNE71		
FDCON240	BRRO72	1	BRRI70	BGNE71		
FD516601	BRRO72	1	BRRI70	BGNE71		
FD532301	BRRO72	1	BRRI70	BGNE71		
FD532201	BRRO72	1	BRRI70	BGNE71		
FD560602	BGNE71	0				
FD560601	BGNE71	0				
FDCON236	BGNE71	0				
FD532431	BRRO72	0	BRRI70	BGNE71		
FD511501	BRRO72	0	BRRI70	BGNE71		
FD532601	BRRO72	1	BGNE71	BRRI70		
FD532631	BRRO72	0	BRRI70	BGNE71		
FD532632	BRRO72	0	BRRI70	BGNE71		
FD532633	BRRO72	0	BRRI70	BGNE71		
FDCON157	BRRO72	2	BRRI70	BGNE71		
FD532701	BRGM73	1	BRRO72			
FD549201	BRGM73	0	BRRO72			
FD532801	BRGM73	1	BRRO72			
FD536501	BRGM73	1	BRRO72			
FD536601	BRGM73	1	BRRO72			
FDP41051	BRGM73	1	BRRO72			

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FD536531	BRGM73	0	BRRO72				
FD549231	BRGM73	0	BRRO72				
FD532901	BRGM73	1	BRRO72				
FD533001	BRGM73	1	BRRO72				
FDW12012	BRGM73	1	BRRO72				
FD532802	BRGM73	1	BRRO72				
FD532804	BRGM73	0	BRRO72				
FDCON238	BRGM73	1	BRRO72				
FD536602	BRGM73	1	BRRO72				
FD532831	BRGM73	0	BRRO72				
FD533201	BRGM73	1	BRRO72				
FDW12011	BRGM73	1	BRRO72				
FD532531	BRRO72	0	BRR170	BGNE71			
FD532505	BRRO72	0	BRR170	BGNE71			
FDW12091	BRHE68	0	BRBR59	YCSO62	DCLY63	NABR67	
FDW12452	BRRO72	0	BRR170	BGNE71			
FD517031	SJGMC4	0	CBALC2				
FD516931	SJGMC4	0	CBALC2				
FD517032	SJGMC4	0	CBALC2				
FD516932	SJGMC4	0	CBALC2				
FD517033	SJGMC4	0	CBALC2				
FD516933	SJGMC4	0	CBALC2				
FD517034	SJGMC4	0	CBALC2				
FD516934	SJGMC4	0	CBALC2				
FD517007	SJGMC4	0	CBALC2				
FD517035	SJGMC4	0	CBALC2				
FD516935	SJGMC4	0	CBALC2				
FD517036	SJGMC4	0	CBALC2				
FD516936	SJGMC4	0	CBALC2				
FD517037	SJGMC4	0	CBALC2				
FD516937	SJGMC4	0	CBALC2				
FD516901	SJGMC4	0	CBALC2				
FD533501	SJGMC4	0	CBALC2				
FD533531	SJGMC4	0	CBALC2				
FD533601	SJGMC4	0	CBALC2				
FD533502	SJGMC4	0	CBALC2				
FD533532	SJGMC4	0	CBALC2				
FD5365P1	SJGMC4	0	CBALC2				
FD533821	SJGMC4	0	CBALC2				
FD537931	SJGMC4	0	CBALC2				
FD532803	SJGMC4	0	CBALC2				
FD532832	SJGMC4	0	CBALC2				
FD536603	SJGMC4	0	CBALC2				
FD536632	SJGMC4	0	CBALC2				
FD533811	SJGMC4	0	CBALC2				
FD420101	SJGMC4	0	CBALC2				
FD420102	SJGMC4	0	CBALC2				
FD534401	SJGMC4	0	CBALC2				
FDP42211	SJGMC4	0	CBALC2				
FD422131	SJGMC4	0	CBALC2				
FDP40101	SJGMC4	0	CBALC2				
FD534501	SJGMC4	0	CBALC2				
FD525601	SJGMC4	0	CBALC2				
FD534601	SJGMC4	0	CBALC2				
FDP42162	SJGMC4	0	CBALC2				
FD421603	SJGMC4	0	CBALC2				
FD534701	SJGMC4	0	CBALC2				
FDP42161	SJGMC4	0	CBALC2				
FD421631	SJGMC4	0	CBALC2				
FD534801	SJGMC4	0	CBALC2				
FDP42151	SJGMC4	0	CBALC2				
FD506404	SJGMC4	0	CBALC2				
FD506401	SJGMC4	0	CBALC2				
FD506402	SJGMC4	0	CBALC2				
FD506403	SJGMC4	0	CBALC2				
FDP41321	SJGMC4	0	CBALC2				
FD534603	SJGMC4	0	CBALC2				
FD534902	SJGMC4	0	CBALC2				
FD534903	SJGMC4	0	CBALC2				
FD534931	SJGMC4	0	CBALC2				
FD534901	SJGMC4	0	CBALC2				
FD534602	SJGMC4	0	CBALC2				
FD534301	SJGMC4	0	CBALC2				
FDCON241	SJGMC4	0	CBALC2				
FD535101	SJGMC4	0	CBALC2				
FD502301	SJGMC4	0	CBALC2				
FD535201	SJGMC4	0	CBALC2				
FD534303	SJGMC4	0	CBALC2				
FD534302	SJGMC4	0	CBALC2				
FD534331	SJGMC4	0	CBALC2				
FD534304	SJGMC4	0	CBALC2				
FD502302	SJGMC4	0	CBALC2				
FD502001	SJGMC4	0	CBALC2				

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FD534121	SJGMC4	0	CBALC2
FD534201	SJGMC4	0	CBALC2
FD534111	SJGMC4	0	CBALC2
FD534242	SJGMC4	0	CBALC2
FD534243	SJGMC4	0	CBALC2
FD535301	SJGMC4	0	CBALC2
FD533931	SJGMC4	0	CBALC2
FD534001	SJGMC4	0	CBALC2
FD534002	SJGMC4	0	CBALC2
FD535401	CBALC2	0	
FD535501	CBALC2	0	
FD535601	SJGMC4	0	CBALC2
FD535701	SJGMC4	0	CBALC2
FD542901	SJGMC4	0	CBALC2
FD535901	SJGMC4	0	CBALC2
FD536001	SJGMC4	0	CBALC2
FD535702	SJGMC4	0	CBALC2
FD535703	SJGMC4	0	CBALC2
FD557401	SJGBC3	0	CLPEC1
FD536201	SJGBC3	0	CLPEC1
FD536231	SJGBC3	0	CLPEC1
FD536202	SJGBC3	0	CLPEC1
FD536303	SJGBC3	0	CLPEC1
FD536302	SJGBC3	0	CLPEC1
FD536301	SJGBC3	0	CLPEC1
FD536101	SJGMC4	0	CBALC2
FD536901	SJGBC3	1	CLPEC1
FD536402	SJGBC3	1	CLPEC1
FD536401	SJGBC3	1	CLPEC1
FD518301	SJGBC3	0	CLPEC1
FD518331	SJGBC3	0	CLPEC1
FD535002	SJGBC3	0	CLPEC1
FD540001	SJGBC3	0	CLPEC1
FD517801	SJGBC3	0	CLPEC1
FD535001	SJGBC3	1	CLPEC1
FD523001	SJGBC3	0	CLPEC1
FD559101	SJGBC3	0	CLPEC1
FD533403	SJGMC4	0	CBALC2
FD533405	SJGMC4	0	CBALC2
FD533331	SJGMC4	0	CBALC2
FD548501	SJGMC4	0	CBALC2
FD533401	SJGMC4	0	CBALC2
FD533402	SJGMC4	0	CBALC2
FD548502	SJGMC4	0	CBALC2
FD533404	SJGMC4	0	CBALC2
FDD34583	GHGH24	0	

**
** WP RECORDS
**
**BWAM_IAREASQMI AVGCN PRECIP FLOWLENGTH DSBWAM
**
**Application 5665, Paul Weinman
**Values are approximated. Need grids to get accurate values.
WP56650134650.00 70.59 30.21 CON151
WP56650234649.00 70.58 30.20 566501
**No WP record for the off-channel reservoir since set up a SA/SV record.
**
** NEW/CHANGED FD RECORDS ADDED TO MODEL IN ADDITIONAL SERVICES WORK
WP569201 1891.87
WP569202 1891.90
WP569203 1891.93
WP569204 1891.94
WP417906 912.08
WP417933 912.08
WP416902 176.42
WP40520215921.59
WP41140215964.19
WP40620215964.19
WP41140315967.60
WP40620315967.60
WP41140416039.94
WP40620416039.94
WP572901 2491.02
WP377511 7535.31
WP377521 7536.06
WP43550120705.47
WPP51601 0.58
WP29250335199.67
WP29250435134.26
WP293531 55.62
WP55672235466.49
WP55671235473.71
WP568601 75.96

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WP571401	7.08				
WP571402	8.93				
** These are the Changed WP records associated with C2276					
WP227602	7.2	61.43	31.8		
WP227603	20.4	68.04	31.82		
WP227604	30.43	66.01	31.84		
WP227611	8.43	62.68	31.84		
WP227612	30.43	66.01	31.84		
WP227621	7.25	61.49	31.81		
WP227622	20.44	68.05	31.82		
WP227632	7.2	61.43	31.8		
WP227633	20.4	68.04	31.82		
WP227634	30.43	66.01	31.84		
WP227605	1.21	51.91	32.21		
WP227606	8.09	50.21	32		
WP227607	0.7	67.67	32.17		
WP227608	11.12	52.03	32.05		
WP227609	2.92	69.87	32.29		
WP22760A	8.28	62.16	32.4		
WP22760B	30.43	66.01	31.84		
WP227613	15.93	55.94	32.1		
WP227614	3.03	69.87	32.29		
WP227615	9.57	63.12	32.4		
WP227616	60.96	62.87	32.03		
WP227623	8.11	50.2	32.		
WP227624	2.94	69.87	32.29		
WP227625	8.28	62.16	32.4		
WP227626	30.45	66	31.84		
WP227635	1.21	51.91	32.21		
WP227636	8.09	50.21	32		
WP227637	0.7	67.67	32.17		
WP227638	11.12	52.03	32.05		
WP227639	2.92	69.87	32.29		
WP22763A	8.28	62.16	32.4		
WP22763B	30.43	66.01	31.84		
WP227601	62.9	63.04	32.04		
WP227631	62.9	63.04	32.04		
**					
WP220101	4.65	69.94	30.48	923499.69	220431
WP220102	4.54	69.57	30.48	923763.97	220101
WP220131	4.50	69.40	30.48	923902.03	220102
WP220231	9.81	77.11	30.44	919659.66	220802
WP220331	9.81	77.11	30.44	919659.66	220802
WP220401	9.81	77.11	30.44	919659.66	220802
WP220431	9.81	77.11	30.44	919659.66	220802
WP220501	5.99	79.89	30.51	917548.28	220802
WP220502	5.97	79.88	30.51	917731.69	220551
WP220531	5.97	79.88	30.51	917731.69	220551
WP220601	2.87	78.34	30.51	914277.25	220701
WP220631	2.79	78.21	30.51	914415.31	220651
WP220701	2.88	78.36	30.50	914196.37	220802
WP220731	2.79	78.21	30.51	914415.31	220651
WP220801	2.03	81.09	30.31	913815.69	220802
WP220802	26.58	79.74	30.44	912958.72	221003
WP220803	2.03	80.94	30.31	914120.41	220801
WP220804	1190.68	67.03	31.87	737124.85	230202
WP220805	1190.83	67.04	31.87	736493.76	230201
WP220806	1194.03	67.05	31.87	734339.07	230301
WP220807	1195.63	67.05	31.87	733327.29	230401
WP220831	2.03	80.94	30.31	914120.41	220801
WP220901	0.68	81.66	30.31	913160.91	221003
WP220931	0.68	81.66	30.31	913160.91	221003
WP221001	29.49	80.04	30.44	910806.91	CON209
WP221002	29.31	80.01	30.44	910944.97	221001
WP221003	29.30	80.01	30.44	911042.59	221002
WP221101	3.59	58.41	30.62	924943.25	390002
WP221131	3.59	58.41	30.62	924943.25	390002
WP221231	5.51	73.11	31.00	917163.53	CON211
WP221331	5.51	73.11	31.00	917163.53	CON211
WP221431	5.51	73.11	31.00	917163.53	CON211
WP221501	4.63	77.36	30.56	912406.47	CON210
WP221502	4.62	77.36	30.56	912463.66	221551
WP221531	4.62	77.36	30.56	912463.66	221551
WP221601	4.62	77.36	30.56	912463.66	221551
WP221631	4.62	77.36	30.56	912463.66	221551
WP221731	1.17	75.36	30.24	906038.00	CON208
WP221831	1.17	75.36	30.24	906038.00	CON208
WP221901	99.07	78.32	30.52	896391.56	102902
WP222001	99.11	78.32	30.52	896053.34	500701
WP222101	99.39	78.28	30.52	894787.09	222201
WP222201	117.31	77.14	30.48	892789.25	222301
WP222301	119.91	76.84	30.47	890918.47	505202
WP222431	7.32	66.94	30.38	885743.16	W12551
WP222501	21.15	70.70	30.77	884100.28	CON205

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WP222601	144.17	74.93	30.49	880669.53	222903
WP222701	0.86	78.48	30.67	886477.97	222851
WP222731	0.86	78.48	30.67	886477.97	222851
WP222801	8.74	67.01	30.71	882903.06	222802
WP222802	8.88	66.73	30.72	882610.19	222803
WP222803	8.95	66.61	30.72	882191.09	222804
WP222804	8.98	66.56	30.72	881921.91	CON206
WP222831	8.73	67.01	30.71	883012.53	222801
WP222901	144.39	74.92	30.49	879933.87	CON205
WP222902	144.38	74.92	30.49	880117.28	222901
WP222903	144.32	74.93	30.49	880381.56	222902
WP223001	4.64	69.41	31.00	882202.94	223101
WP223031	4.64	69.41	31.00	882202.94	223101
WP223101	4.66	69.31	31.00	882053.03	CON205
WP223131	4.64	69.41	31.00	882202.94	223101
WP223211	3.13	65.91	31.03	882410.03	CON205
WP223231	3.13	65.91	31.03	882410.03	CON205
WP223301	185.06	72.84	30.57	874381.94	223401
WP223401	187.18	72.67	30.58	873117.72	F41242
WP223402	0.01	60.32	31.22	872715.37	F41241
WP223501	188.36	72.56	30.58	872203.56	223601
WP223502	187.79	72.62	30.58	872346.53	223501
WP223601	188.82	72.52	30.59	871432.37	CON204
WP223701	4.08	70.52	31.46	905373.06	223801
WP223702	4.08	70.52	31.46	905373.06	223801
WP223731	4.08	70.52	31.46	905373.06	223801
WP223801	9.72	75.90	31.51	900779.78	CON204
WP223802	2.94	76.58	31.33	902481.87	223801
WP223803	2.87	76.39	31.33	902729.41	223802
WP223804	2.76	76.03	31.31	903050.87	223803
WP223805	2.25	73.99	31.28	903717.50	223804
WP223831	2.25	73.99	31.28	903717.50	223804
WP223901	1.10	75.30	31.12	901986.81	CON204
WP223931	1.10	75.30	31.12	901986.81	CON204
WP224001	2.14	75.86	31.53	896742.47	CON204
WP224002	2.12	75.77	31.53	896892.37	224001
WP224031	2.12	75.77	31.53	896892.37	224001
WP224101	3.16	76.00	32.26	897114.19	224201
WP224131	3.16	76.00	32.26	897114.19	224201
WP224201	3.22	76.17	32.25	896935.69	224331
WP224202	3.16	76.00	32.26	897114.19	224201
WP224231	3.16	76.00	32.26	897114.19	224201
WP224301	10.67	73.78	32.17	891988.28	CON204
WP224302	10.66	73.80	32.17	892085.91	224301
WP224331	10.66	73.80	32.17	892085.91	224301
WP224401	3.13	65.25	32.15	895373.69	224502
WP224431	3.13	65.25	32.15	895373.69	224502
WP224501	3.13	65.25	32.15	895373.69	224502
WP224502	3.30	66.01	32.15	895085.72	CON204
WP224531	3.13	65.25	32.15	895373.69	224502
WP224601	3.35	76.27	31.84	888496.28	CON204
WP224602	3.35	76.27	31.84	888496.28	CON204
WP224631	3.35	76.27	31.84	888496.28	CON204
WP224701	3.69	67.20	31.81	889967.59	224901
WP224702	2.70	62.30	31.90	891507.94	224801
WP224731	3.69	67.20	31.81	889967.59	224901
WP224732	2.70	62.30	31.90	891507.94	224801
WP224801	3.68	67.19	31.81	889996.19	224701
WP224831	3.68	67.19	31.81	889996.19	224701
WP224901	4.39	69.93	31.77	888586.97	CON204
WP224902	3.68	67.19	31.81	889996.19	224701
WP224931	3.68	67.19	31.81	889996.19	224701
WP225001	3.77	55.92	31.23	871276.37	CON203
WP225101	305.33	70.44	30.95	866000.56	225202
WP225201	310.40	70.23	30.96	863336.94	CON202
WP225202	310.35	70.23	30.96	863636.75	225201
WP225331	6.79	65.16	31.35	863924.72	CON202
WP225401	351.15	69.67	31.00	860542.19	225901
WP225402	350.57	69.69	31.00	861072.78	225801
WP225403	31.41	66.00	31.32	861636.87	CON201
WP225404	317.83	70.10	30.97	862301.47	225502
WP225405	30.92	66.03	31.32	863401.06	225403
WP225406	30.50	66.07	31.31	863867.53	225405
WP225501	318.00	70.10	30.97	861820.28	CON201
WP225502	317.87	70.10	30.97	862203.84	225501
WP225801	351.03	69.67	31.00	860623.06	225401
WP225901	351.23	69.67	31.00	860306.50	225903
WP225902	357.65	69.65	31.01	858381.41	226001
WP225903	355.50	69.64	31.01	859499.78	225902
WP226001	357.88	69.65	31.01	858238.44	NBHI35
WP226101	360.23	69.65	31.02	856883.53	226202
WP226201	368.35	69.70	31.03	850885.09	226301
WP226202	368.17	69.70	31.03	851258.84	226201
WP226301	368.91	69.70	31.03	849328.00	226405

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WP226401	48.46	70.13	31.32	849334.94	226405
WP226404	417.50	69.76	31.07	848523.31	226506
WP226405	417.41	69.76	31.07	848977.94	226404
WP226501	423.07	69.76	31.07	846123.12	226601
WP226502	419.93	69.72	31.07	847104.28	226501
WP226504	419.56	69.72	31.07	847690.03	226503
WP226505	419.53	69.72	31.07	847775.81	226504
WP226601	470.60	69.29	31.12	835626.31	CON079
WP226701	29.85	70.31	31.30	850105.78	226801
WP226801	30.06	70.41	31.30	849651.16	CON079
WP226901	566.37	69.49	31.18	830190.79	CON071
WP227001	4.47	72.15	31.74	832943.06	CON071
WP227031	4.47	72.15	31.74	832943.06	CON071
WP227032	3.87	71.32	31.75	833483.47	227001
WP227101	583.85	69.52	31.20	827945.41	227201
WP227201	584.44	69.53	31.20	827073.73	CON072
WP227301	7.41	49.93	31.98	840382.53	227502
WP227302	18.00	67.69	31.81	840788.59	227402
WP227303	16.50	67.62	31.80	842017.28	227302
WP227304	16.48	67.61	31.80	842397.97	227303
WP227305	5.31	69.66	31.83	845163.28	227352
WP227306	15.40	67.45	31.80	843383.19	227304
WP227307	1.66	54.12	31.87	847015.28	227301
WP227331	5.31	69.66	31.83	845163.28	227352
WP227332	15.40	67.45	31.80	843383.19	227304
WP227333	1.66	54.12	31.87	847015.28	227301
**WP227401	7.20	61.43	31.80	839071.78	227421
**WP227402	20.40	68.04	31.82	837684.22	227422
**WP227403	30.43	66.01	31.84	834728.91	227524
**WP227411	8.43	62.68	31.84	836076.87	227537
**WP227412	30.43	66.01	31.84	834728.91	227524
**WP227421	7.25	61.49	31.81	838990.91	227411
**WP227422	20.44	68.05	31.82	837512.66	227537
**WP227431	7.20	61.43	31.80	839071.78	227421
**WP227432	20.40	68.04	31.82	837684.22	227422
**WP227433	30.43	66.01	31.84	834728.91	227524
**WP227501	1.21	51.91	32.21	838801.75	227534
**WP227502	8.09	50.21	32.00	838549.31	227521
**WP227503	0.70	67.67	32.17	837680.50	227534
**WP227504	11.12	52.03	32.05	836520.84	227511
**WP227505	2.92	69.87	32.29	834145.19	227522
**WP227506	8.28	62.16	32.40	833340.50	227523
**WP227507	30.43	66.01	31.84	834728.91	227524
**WP227511	15.93	55.94	32.10	832902.62	227514
**WP227512	3.03	69.87	32.29	833616.62	227511
**WP227513	9.57	63.12	32.40	831321.84	227514
**WP227514	60.96	62.87	32.03	828052.85	227601
**WP227521	8.11	50.20	32.00	838508.87	227534
**WP227522	2.94	69.87	32.29	833995.28	227512
**WP227523	8.28	62.16	32.40	833300.06	227513
**WP227524	30.45	66.00	31.84	834659.87	227514
**WP227531	1.21	51.91	32.21	838801.75	227534
**WP227532	8.09	50.21	32.00	838549.31	227521
**WP227533	0.70	67.67	32.17	837680.50	227534
**WP227534	11.12	52.03	32.05	836520.84	227511
**WP227535	2.92	69.87	32.29	834145.19	227522
**WP227536	8.28	62.16	32.40	833340.50	227523
**WP227537	30.43	66.01	31.84	834728.91	227524
**WP227601	62.90	63.04	32.04	827152.57	227701
**WP227631	62.90	63.04	32.04	827152.57	227701
WP227701	62.98	63.04	32.04	826738.38	227702
WP227702	64.08	63.04	32.05	826093.41	CON072
WP227801	695.69	68.92	31.35	813014.19	227802
WP227802	695.75	68.92	31.35	812647.38	227901
WP227901	710.47	68.91	31.38	808943.38	228001
WP228001	716.26	68.88	31.39	806682.10	228002
WP228002	716.33	68.88	31.39	806158.44	228101
WP228101	733.42	68.81	31.43	798904.41	228201
WP228201	736.23	68.83	31.43	796555.32	228202
WP228202	736.61	68.83	31.44	795255.57	228302
WP228301	747.38	68.75	31.46	791443.29	228401
WP228302	744.81	68.77	31.45	791850.54	228301
WP228401	750.33	68.71	31.46	790458.07	228402
WP228402	750.35	68.71	31.46	790279.57	228501
WP228501	750.45	68.71	31.46	789917.66	541101
WP228701	1.45	55.16	31.81	813806.54	228801
WP228702	1.22	53.87	31.80	814335.10	228701
WP228731	1.45	55.16	31.81	813806.54	228801
WP228801	1.57	56.30	31.81	813335.16	CON074
WP228931	3.63	65.21	32.76	795128.01	CON074
WP229001	970.78	68.01	31.65	775078.66	229002
WP229002	970.80	68.01	31.65	774907.10	CON212
WP229101	973.52	68.01	31.66	773994.98	229151
WP229102	976.30	68.00	31.66	773447.63	NBCL36

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WP229131	973.52	68.01	31.66	773994.98	229151
WP229201	979.67	68.02	31.67	771928.94	229301
WP229202	1143.50	67.07	31.80	758593.23	229203
WP229203	1143.67	67.07	31.80	758190.89	229204
WP229204	1144.15	67.07	31.80	758000.54	229205
WP229205	1144.56	67.07	31.80	757436.45	229901
WP229301	980.45	68.02	31.67	771745.54	229401
WP229401	1002.61	68.00	31.70	761066.51	229402
WP229402	1002.69	68.00	31.70	760928.45	229403
WP229403	1002.83	68.01	31.70	760466.89	229501
WP229501	1002.92	68.01	31.70	760145.42	CON075
WP229701	2.77	55.31	31.96	801433.19	229801
WP229702	2.39	53.30	32.01	801173.82	229703
WP229703	2.53	53.31	32.01	801019.01	229801
WP229731	2.77	55.31	31.96	801433.19	229801
WP229732	2.39	53.30	32.01	801173.82	229703
WP229733	2.53	53.31	32.01	801019.01	229801
WP229801	10.43	52.50	32.10	798138.48	CON075
WP229901	1144.79	67.08	31.80	756810.26	229902
WP229902	1151.40	67.03	31.81	754960.29	NBVM37
WP230000	1167.19	66.97	31.83	748963.54	230101
WP230101	1173.29	66.98	31.84	745999.26	230205
WP230201	1192.14	67.05	31.87	736000.73	220806
WP230202	1190.81	67.04	31.87	736591.39	220805
WP230203	1190.67	67.03	31.87	737165.29	220804
WP230204	1190.53	67.03	31.87	737843.76	230203
WP230205	1186.82	67.02	31.86	738805.29	230204
WP230301	1195.29	67.05	31.87	734131.98	220807
WP230401	1195.72	67.05	31.87	733177.39	230502
WP230501	1198.13	67.06	31.88	732027.56	230601
WP230502	1196.79	67.06	31.87	732389.45	230501
WP230601	1213.28	67.13	31.89	720954.27	W12262
WP230701	112.86	65.50	33.08	745214.38	230801
WP230801	118.14	65.59	33.10	741464.19	CON215
WP230901	50.29	69.45	33.70	727941.44	CON077
WP231001	17.07	72.80	33.75	738137.15	CON077
WP231002	16.62	72.88	33.76	738667.74	231001
WP231003	16.56	72.89	33.76	738927.12	231002
WP231031	17.07	72.80	33.75	738137.15	CON077
WP231032	16.62	72.88	33.76	738667.74	231001
WP231033	16.56	72.89	33.76	738927.12	231002
WP231201	57.21	65.82	32.83	751426.28	CON214
WP231202	56.00	65.75	32.82	751707.32	231201
WP231203	55.98	65.75	32.82	751890.72	231202
WP231204	55.70	65.73	32.81	752367.00	231203
WP231205	55.45	65.74	32.81	752776.28	231204
WP231206	55.12	65.75	32.81	753150.03	231205
WP231131	6.71	69.31	32.51		
WP231231	57.21	65.82	32.83	751426.28	CON214
WP231232	56.00	65.75	32.82	751707.32	231201
WP231233	55.98	65.75	32.82	751890.72	231202
WP231234	55.70	65.73	32.81	752367.00	231203
WP231235	55.45	65.74	32.81	752776.28	231204
WP231236	55.12	65.75	32.81	753150.03	231205
WP231301	75.41	66.94	32.97	735567.38	HGCR39
WP231302	75.23	66.94	32.97	735717.28	231301
WP231303	75.21	66.94	32.97	735924.38	231302
WP231331	0.79	70.00	33.38	736171.91	CON214
WP231431	0.38	82.40	32.86	719091.83	231432
WP231432	0.50	83.54	32.84	719006.05	231531
WP231501	1654.60	67.73	32.24	706867.38	BOWA40
WP231531	1654.60	67.73	32.24	706867.38	BOWA40
WP231601	4.78	86.56	32.32	705099.18	BOWA40
WP231602	4.42	87.48	32.33	705915.68	231601
WP231701	1663.41	67.81	32.24	700599.58	1006
WP231702	1662.86	67.81	32.24	701242.50	231701
WP231703	1662.45	67.80	32.24	702242.41	231702
WP231801	1662.45	67.80	32.24	702242.41	231702
WP281301	2612.78	70.40	29.88	792202.49	290901
WP281302	2610.76	70.40	29.87	793824.55	281301
WP365302	1645.70	73.30	29.07	1019834.51	281501
WP281401	4.11	55.78	30.20	1017495.23	281701
WP281411	1667.61	73.12	29.09	1013383.98	281801
WP281421	1645.70	73.30	29.07	1019834.51	281501
WP365303	1667.61	73.12	29.09	1013383.98	281801
WP281501	1646.18	73.30	29.07	1018170.82	281502
WP281502	1646.23	73.30	29.07	1017935.14	281503
WP281503	1646.30	73.29	29.07	1017447.01	281701
WP281601	1646.18	73.30	29.07	1018170.82	281502
WP281602	1646.23	73.30	29.07	1017935.14	281503
WP281603	1646.30	73.29	29.07	1017447.01	281701
WP281701	1657.29	73.21	29.08	1015305.01	281411
WP281801	1668.65	73.12	29.09	1012279.48	282002
WP281901	1668.65	73.12	29.09	1012279.48	282002

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WP282001	1669.29	73.12	29.09	1011208.48	282201
WP282002	1669.20	73.12	29.09	1011698.64	282001
WP282101	1682.26	72.97	29.09	1010553.70	282102
WP282102	1682.28	72.97	29.09	1010301.26	282103
WP282103	1682.39	72.97	29.09	1009801.29	282104
WP282104	1682.57	72.97	29.09	1009451.23	282205
WP282105	1685.50	72.93	29.10	1009094.23	282301
WP282201	1682.26	72.97	29.09	1010553.70	282102
WP282202	1682.28	72.97	29.09	1010301.26	282103
WP282203	1682.39	72.97	29.09	1009801.29	282104
WP282204	1682.57	72.97	29.09	1009451.23	282205
WP282205	1685.50	72.93	29.10	1009094.23	282301
WP282301	1685.65	72.93	29.10	1008173.14	282401
WP282401	1686.33	72.93	29.10	1007413.79	282501
WP282501	1689.38	72.90	29.10	1006578.48	282502
WP282502	1689.53	72.90	29.10	1006359.54	282503
WP282503	1689.74	72.90	29.10	1005531.17	282504
WP282504	1690.94	72.89	29.10	1004547.98	282601
WP282601	1691.42	72.89	29.10	1003334.01	282701
WP282701	1691.46	72.89	29.10	1003115.07	282901
WP282801	1691.46	72.89	29.10	1003115.07	282901
WP282901	1691.74	72.89	29.10	1002315.29	283001
WP282902	1696.56	72.85	29.10	1001417.89	283101
WP283001	1696.50	72.85	29.10	1001475.07	282902
WP283002	1703.35	72.82	29.10	996091.82	283501
WP283101	1696.63	72.85	29.10	1001108.26	283201
WP283102	1697.41	72.85	29.10	1000268.04	283301
WP283201	1697.41	72.85	29.10	1000308.48	283102
WP283202	1699.33	72.84	29.10	999572.82	283203
WP283203	1700.76	72.83	29.10	999158.64	283401
WP283301	1699.12	72.84	29.10	999768.07	283202
WP283401	1700.89	72.83	29.10	998630.07	283504
WP283501	1703.39	72.82	29.10	995884.73	CON084
WP283502	1702.72	72.82	29.10	996551.36	284001
WP283503	1702.43	72.82	29.10	997434.89	283701
WP283504	1701.16	72.83	29.10	998199.14	283601
WP283601	1701.19	72.83	29.10	998089.67	283602
WP283602	1702.34	72.82	29.10	997556.20	283503
WP283701	1702.59	72.82	29.10	996884.67	283801
WP283702	1702.72	72.82	29.10	996551.36	284001
WP283703	1703.39	72.82	29.10	995884.73	CON084
WP283801	1702.66	72.82	29.10	996620.39	283502
WP283901	1703.35	72.82	29.10	996091.82	283501
WP284001	1703.23	72.82	29.10	996436.98	283002
WP284031	1703.23	72.82	29.10	996436.98	283002
WP284101	2.66	65.84	32.06	1038592.73	284632
WP284131	2.66	65.84	32.06	1038592.73	284632
WP284201	2.66	65.84	32.06	1038592.73	284632
WP284231	2.66	65.84	32.06	1038592.73	284632
WP284301	2.25	66.42	31.86	1033742.95	284632
WP284331	2.25	66.42	31.86	1033742.95	284632
WP284401	2.25	66.42	31.86	1033742.95	284632
WP284431	2.25	66.42	31.86	1033742.95	284632
WP284501	1.59	68.72	31.77	1032869.23	284632
WP284531	1.59	68.72	31.77	1032869.23	284632
WP284601	1.59	68.72	31.77	1032869.23	284632
WP284602	16.76	72.45	31.94	1032345.57	284701
WP284631	1.59	68.72	31.77	1032869.23	284632
WP284632	16.76	72.45	31.94	1032345.57	284701
WP284701	18.42	73.15	31.87	1031488.61	285004
WP284731	18.42	73.15	31.87	1031488.61	285004
WP284801	2.53	66.58	31.53	1029644.39	285004
WP284831	2.53	66.58	31.53	1029644.39	285004
WP284901	2.53	66.58	31.53	1029644.39	285004
WP284931	2.53	66.58	31.53	1029644.39	285004
WP285001	32.19	70.72	31.56	1024402.07	285201
WP285002	31.29	71.02	31.58	1024661.45	285001
WP285003	25.09	71.49	31.72	1025001.70	285002
WP285004	24.99	71.54	31.73	1025265.98	285003
WP285005	6.09	69.30	30.98	1024828.11	285002
WP285031	6.09	69.30	30.98	1024828.11	285002
WP285101	5.41	69.94	30.66	1023505.86	285102
WP285102	6.29	67.93	30.68	1022637.04	285201
WP285131	5.41	69.94	30.66	1023505.86	285102
WP285132	6.29	67.93	30.68	1022637.04	285201
WP285201	79.32	63.52	31.11	1006823.14	285202
WP285202	80.09	63.44	31.10	1005818.29	285203
WP285203	80.17	63.44	31.10	1005639.79	285301
WP285301	82.52	63.24	31.07	1000642.98	285302
WP285302	82.59	63.24	31.07	999900.39	CON084
WP285401	1788.51	72.37	29.20	995015.92	285501
WP285501	1788.99	72.37	29.20	994187.54	285502
WP285502	1811.47	72.21	29.21	993542.57	285601
WP285601	1811.69	72.21	29.21	993111.64	285602

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WP285602	1817.68	72.14	29.22	992254.67	285701
WP285701	1817.90	72.14	29.22	992116.61	285702
WP285702	1817.92	72.14	29.22	991978.54	285703
WP285703	1817.99	72.14	29.22	991645.23	285801
WP285801	1818.98	72.14	29.22	990352.42	285802
WP285802	1819.02	72.14	29.22	990047.70	285901
WP285901	1819.59	72.13	29.22	989328.79	285902
WP285902	1819.69	72.13	29.22	988943.20	285903
WP285903	1819.87	72.13	29.22	988609.89	286001
WP286001	1826.16	72.10	29.22	987107.95	CON085
WP286002	1892.59	71.86	29.23	983454.20	286003
WP286003	1921.85	71.79	29.23	983213.61	286201
WP286101	1.06	70.33	29.28	1006912.64	CON085
WP286131	1.06	70.33	29.28	1006912.64	CON085
WP286201	1927.77	71.78	29.23	977462.36	LEHM46
WP286202	1928.08	71.78	29.23	976834.14	286251
WP286203	1928.15	71.78	29.23	976507.76	286321
WP286311	1947.33	71.75	29.24	973341.29	286401
WP286321	1928.64	71.78	29.23	974420.07	286311
WP286401	1948.10	71.75	29.24	971531.76	286501
WP286402	1952.42	71.75	29.25	968886.92	286505
WP286501	1948.34	71.75	29.24	971008.11	286502
WP286502	1948.50	71.75	29.24	970255.70	286503
WP286503	1952.30	71.75	29.25	969812.92	286504
WP286504	1952.37	71.75	29.25	969151.20	286402
WP286505	1962.79	71.75	29.25	968203.54	286601
WP286601	1969.96	71.74	29.25	966375.23	286701
WP286701	1998.91	71.70	29.28	960766.11	286801
WP286801	1999.63	71.70	29.28	959180.42	286802
WP286802	1999.83	71.70	29.28	958287.92	286803
WP286803	2000.33	71.70	29.28	957340.26	382631
WP286901	2020.37	71.68	29.29	951388.86	CON086
WP287001	5.82	64.58	29.15	960235.51	287101
WP287031	5.82	64.58	29.15	960235.51	287101
WP287101	6.11	65.18	29.16	959185.32	287102
WP287102	6.25	65.43	29.17	958887.54	287103
WP287103	7.39	67.56	29.16	958737.64	CON086
WP287131	6.11	65.18	29.16	959185.32	287102
WP287132	6.25	65.43	29.17	958887.54	287103
WP287133	7.39	67.56	29.16	958737.64	CON086
WP287201	6.11	65.18	29.16	959185.32	287102
WP287202	6.25	65.43	29.17	958887.54	287103
WP287203	7.39	67.56	29.16	958737.64	CON086
WP287231	6.11	65.18	29.16	959185.32	287102
WP287232	6.25	65.43	29.17	958887.54	287103
WP287233	7.39	67.56	29.16	958737.64	CON086
WP287311	2052.36	71.67	29.29	947451.20	287402
WP287321	2050.66	71.67	29.29	949348.54	287311
WP287401	2066.68	71.65	29.29	943591.54	287601
WP287402	2053.38	71.67	29.29	945263.01	287531
WP287411	2066.68	71.65	29.29	943591.54	287601
WP287421	2053.38	71.67	29.29	945263.01	287531
WP287431	2066.68	71.65	29.29	943591.54	287601
WP287501	12.66	67.65	29.58	945379.42	287531
WP287502	2066.68	71.65	29.29	943591.54	287601
WP287531	2066.68	71.65	29.29	943591.54	287601
WP287601	2066.74	71.65	29.29	943522.51	287602
WP287602	2066.74	71.65	29.29	943436.73	287603
WP287603	2066.79	71.65	29.29	943189.20	287604
WP287604	2066.97	71.65	29.29	942872.64	287702
WP287701	2096.05	71.63	29.30	937361.14	288002
WP287702	2068.06	71.65	29.29	941958.48	287802
WP287711	2096.05	71.63	29.30	937361.14	288002
WP287721	2068.06	71.65	29.29	941958.48	287802
WP287801	10.13	70.21	29.95	941463.42	287904
WP287802	2068.17	71.65	29.29	941482.20	287901
WP287803	2068.06	71.65	29.29	941958.48	287802
WP287901	2081.20	71.63	29.30	941063.11	287902
WP287902	2081.29	71.64	29.30	940770.23	287903
WP287903	2081.36	71.64	29.30	940441.82	CON087
WP287904	10.78	70.29	29.97	940446.73	CON087
WP287931	10.78	70.29	29.97	940446.73	CON087
WP288001	2125.22	71.59	29.33	929239.14	288101
WP288002	2125.00	71.59	29.33	929917.61	288102
WP288101	2125.29	71.59	29.33	928681.98	288206
WP288102	2125.02	71.59	29.33	929584.29	288001
WP288201	2131.94	71.59	29.33	925049.04	288421
WP288202	2131.79	71.59	29.33	925527.36	288201
WP288203	2131.70	71.59	29.33	925934.61	288202
WP288204	2131.56	71.59	29.33	926710.70	288203
WP288205	2131.37	71.59	29.33	927325.04	288204
WP288206	2125.32	71.59	29.33	928417.70	288301
WP288301	2129.73	71.59	29.33	928043.95	288205
WP288411	2133.63	71.59	29.34	922409.11	288501

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WP288421	2132.54	71.59	29.33	924427.76	288411
WP288501	2137.18	71.57	29.34	920873.67	288502
WP288502	2139.93	71.56	29.34	919993.01	288705
WP288601	2168.79	71.46	29.37	906898.73	288701
WP288701	2168.84	71.46	29.37	906760.67	288801
WP288702	2168.77	71.46	29.37	907008.20	288601
WP288703	2168.49	71.46	29.37	907457.92	288702
WP288704	2164.39	71.48	29.37	908124.54	288703
WP288705	2164.34	71.48	29.37	908376.98	288704
WP288801	2169.56	71.46	29.38	905304.07	289003
WP289001	2186.82	71.45	29.39	898833.92	289103
WP289002	2186.82	71.45	29.39	898902.95	289001
WP289003	2186.81	71.45	29.39	898943.39	289002
WP289101	2195.35	71.45	29.40	892245.32	289202
WP289102	2195.28	71.45	29.40	892428.73	289101
WP289103	2195.17	71.45	29.40	892738.36	289102
WP289201	2195.47	71.46	29.40	891773.95	289301
WP289202	2195.45	71.46	29.40	891900.17	289201
WP289301	2199.56	71.46	29.41	890162.54	289402
WP289401	2208.37	71.44	29.42	886782.04	CON088
WP289402	2208.12	71.43	29.42	887339.20	289401
WP289501	41.31	71.58	29.98	896550.64	289609
WP289502	41.21	71.57	29.97	896762.64	289501
WP289503	21.20	69.05	30.04	897022.01	289608
WP289601	65.64	70.81	30.05	892460.20	289701
WP289602	65.62	70.81	30.05	892626.86	289601
WP289603	65.53	70.80	30.05	892919.73	289602
WP289604	65.34	70.78	30.05	893236.29	289603
WP289605	65.30	70.78	30.04	893524.26	289604
WP289606	64.66	70.73	30.03	894226.42	289605
WP289607	64.52	70.72	30.03	894650.42	289606
WP289608	21.61	69.25	30.06	895681.82	289607
WP289609	41.41	71.59	29.98	895953.04	289607
WP289701	89.96	71.26	30.44	883449.76	CON088
WP289801	2323.85	71.36	29.49	872889.17	289906
WP289802	2323.43	71.36	29.49	873108.11	289801
WP289901	2345.79	71.29	29.52	861657.04	290002
WP289902	2345.63	71.29	29.52	862081.04	289901
WP289903	2345.57	71.29	29.52	862362.07	289902
WP289904	2342.56	71.30	29.51	862523.82	289903
WP289905	2342.48	71.31	29.51	862707.23	289904
WP289906	2342.44	71.31	29.51	862873.89	289905
WP290001	2347.40	71.29	29.52	860281.32	290102
WP290002	2346.03	71.29	29.52	860776.39	290001
WP290101	2348.69	71.29	29.52	858502.42	LEGT47
WP290102	2348.67	71.29	29.52	858702.57	290101
WP290201	2437.99	71.11	29.64	828885.14	290321
WP290301	2476.04	70.93	29.69	818002.74	290402
WP290302	2472.89	70.93	29.69	823544.02	290301
WP290311	2476.04	70.93	29.69	818002.74	290402
WP290321	2472.89	70.93	29.69	823544.02	290301
WP290401	2487.56	70.91	29.71	815991.02	CON089
WP290402	2477.76	70.93	29.69	816474.24	290401
WP290501	63.65	57.16	32.94	812835.21	CON089
WP290601	2592.28	70.44	29.85	798465.21	290801
WP290701	0.14	72.26	33.63	790259.80	290901
WP290801	2610.72	70.40	29.87	794353.11	281302
WP290901	2619.86	70.37	29.88	787216.68	290902
WP290902	2619.89	70.37	29.88	787107.21	291001
WP291001	2620.68	70.37	29.88	786528.39	291101
WP291101	2620.69	70.37	29.88	786344.99	W12212
WP291401	2640.55	70.33	29.92	777577.18	CON090
WP291511	7.27	68.82	33.87	760579.93	CON090
WP291521	6.91	68.97	33.86	761593.74	291511
WP291611	9.32	55.96	27.89	902037.45	291821
WP291621	8.95	55.67	27.87	902630.14	291611
WP291701	3.04	64.44	28.13	899540.48	291821
WP291731	3.04	64.44	28.13	899540.48	291821
WP291811	17.85	60.89	28.10	895354.45	292101
WP291821	17.48	60.70	28.09	895820.92	291832
WP291831	17.85	60.89	28.10	895354.45	292101
WP291832	17.77	60.85	28.10	895590.14	291811
WP291901	0.09	54.47	28.39	898083.04	292031
WP291902	0.07	55.15	28.39	898295.04	291901
WP291903	0.05	55.33	28.39	898392.67	291902
WP291931	0.07	55.15	28.39	898295.04	291901
WP291932	0.05	55.33	28.39	898392.67	291902
WP292001	6.40	55.22	28.27	896110.92	292101
WP292002	6.35	55.11	28.27	896439.32	292001
WP292031	6.35	55.11	28.27	896439.32	292001
WP292101	37.06	59.58	28.26	892190.86	292102
WP292102	37.13	59.58	28.26	891867.36	292103
WP292103	37.14	59.58	28.26	891569.57	292201
WP292201	40.21	60.31	28.31	889881.36	292202

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WP292202	40.24	60.32	28.31	889709.79	292301
WP292301	43.51	60.62	28.34	888669.42	292401
WP292401	47.80	61.02	28.38	886036.42	292621
WP292402	0.01	77.07	28.94	886341.14	292621
WP292431	0.01	77.07	28.94	886341.14	292621
WP292501	61.96	70.86	40.94	224633.11	CON233
WP29250235134.25		70.60	30.28	224387.61	292553
WP292531	61.96	70.86	40.94	224633.11	CON233
WP292611	52.84	61.45	28.44	881480.36	292721
WP292621	51.07	61.29	28.42	882949.64	292611
WP292711	56.43	61.90	28.48	879716.17	292801
WP292721	53.22	61.54	28.44	880630.32	292711
WP292801	99.99	63.02	28.71	866485.01	292901
WP292901	103.23	63.20	28.73	863428.01	292902
WP292902	103.25	63.20	28.73	863330.39	292903
WP292903	105.55	63.33	28.74	862089.86	293001
WP293001	146.81	63.75	28.85	853398.01	293002
WP293002	147.06	63.77	28.86	852433.61	293101
WP293101	148.86	63.87	28.86	850341.01	293102
WP293102	148.93	63.87	28.86	850012.61	293103
WP293103	149.16	63.89	28.86	849667.45	293201
WP293201	217.94	63.51	28.99	836091.14	293321
WP293301	6.98	65.42	32.23	796967.86	293311
WP293311	352.55	65.74	29.52	795112.99	COPI48
WP293321	343.86	65.67	29.45	796886.99	293311
WP293401	88.91	69.93	30.16	792627.52	COPI48
WP293402	87.71	69.87	30.14	793546.58	293401
WP293501	21.63	82.87	31.31	792098.11	CON092
WP293502	21.07	82.81	31.31	793059.64	293501
WP293503	4.12	84.54	31.68	793497.52	293502
**WP293531	4.12	84.54	31.68	793497.52	293502
WP293601	3567.63	69.91	30.32	729043.63	293701
WP293602	3567.63	69.91	30.32	729043.63	293701
WP293631	3567.63	69.91	30.32	729043.63	293701
WP293701	3571.91	69.90	30.32	726841.62	P40241
WP293801	3580.32	69.90	30.33	722394.29	294001
WP293831	3580.32	69.90	30.33	722394.29	294001
WP293901	3580.29	69.90	30.33	722537.26	293801
WP294001	3602.28	69.94	30.35	718011.94	294101
WP294101	3602.35	69.94	30.35	717695.39	CON091
WP294201	3730.88	70.00	30.48	711952.43	295221
WP294202	3730.80	70.00	30.48	712245.29	295101
WP294203	3729.61	70.00	30.48	713235.39	294202
WP294204	3729.38	70.00	30.48	713871.37	294203
WP294205	3614.08	69.99	30.37	714426.48	CON098
WP294301	0.43	87.65	33.90	753601.23	101551
WP294302	37.41	80.93	33.56	752172.39	101551
WP294331	0.43	87.65	33.90	753601.23	101551
WP294332	0.28	85.35	33.90	754044.01	294301
WP294333	0.05	92.00	33.90	753927.61	101551
WP294401	0.49	48.95	34.09	744601.79	294501
WP294431	0.49	48.95	34.09	744601.79	294501
WP294501	70.40	75.35	33.75	735381.39	294621
WP294611	76.98	74.25	33.78	731390.66	294721
WP294621	76.81	74.26	33.78	732057.27	294611
WP294711	104.65	70.37	33.83	726172.16	295002
WP294721	102.99	70.46	33.83	727453.10	294801
WP294801	103.05	70.46	33.83	727160.23	294901
WP294901	104.61	70.37	33.83	726396.00	294711
WP295001	110.24	70.23	33.84	721722.80	113181
WP295002	107.03	70.25	33.83	722010.76	295001
WP295101	3730.81	70.00	30.48	712188.11	294201
WP295211	3731.81	70.00	30.48	710452.56	547221
WP295221	3731.38	70.00	30.48	710740.53	295211
WP295301	3742.07	70.03	30.49	706479.49	401203
WP295302	3734.52	70.01	30.48	707260.47	547211
WP295401	2.93	55.28	28.54	906850.42	CON187
WP295431	0.92	56.32	28.56	907791.14	295432
WP295432	0.99	55.76	28.56	907424.32	295433
WP295433	2.93	55.28	28.54	906850.42	CON187
WP295501	50.33	55.45	28.03	906902.70	295701
WP295502	2.27	62.12	28.01	907229.07	295501
WP295531	2.27	62.12	28.01	907229.07	295501
WP295701	124.15	59.22	28.05	894075.92	CON187
WP295811	314.17	63.61	28.56	861363.57	CON186
WP295821	312.56	63.53	28.56	861656.45	295811
WP295901	129.26	71.57	28.55	855746.67	296001
WP295902	129.15	71.58	28.55	856034.64	295901
WP296001	129.52	71.57	28.55	855229.95	CON186
WP296101	551.20	67.79	28.72	844963.07	CON184
WP296102	551.02	67.79	28.72	845567.61	296101
WP296103	550.95	67.79	28.72	845791.45	296102
WP296104	487.14	66.77	28.62	846267.73	CON185
WP296105	487.11	66.77	28.61	846393.95	296104

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WP296211	61.84	75.65	29.50	848531.89	CON185
WP296221	60.86	75.68	29.50	849752.79	296211
WP296301	563.13	67.94	28.74	843528.14	296401
WP296302	562.67	67.93	28.74	843844.70	296301
WP296303	0.61	78.51	29.88	845737.14	CON184
WP296304	0.49	78.65	29.88	845858.45	296303
WP296305	0.31	76.66	29.88	846784.45	296304
WP296331	0.61	78.51	29.88	845737.14	CON184
WP296332	0.49	78.65	29.88	845858.45	296303
WP296333	0.31	76.66	29.88	846784.45	296304
WP296401	587.81	68.15	28.78	834277.11	296503
WP296501	606.59	68.39	28.83	830664.98	CON183
WP296502	606.53	68.39	28.83	830962.76	296501
WP296503	606.49	68.39	28.83	831174.76	296502
WP296601	25.66	76.33	29.90	845354.07	CON183
WP296631	25.66	76.33	29.90	845354.07	CON183
WP296701	684.20	69.24	28.95	822555.67	CON188
WP296702	684.20	69.24	28.95	822555.67	CON188
WP296703	684.20	69.24	28.95	822555.67	CON188
WP296731	684.20	69.24	28.95	822555.67	CON188
WP296831	19.62	77.76	30.57	867522.57	296901
WP296901	77.73	72.94	30.27	852050.11	296902
WP296902	77.75	72.94	30.27	851871.61	297001
WP297001	77.81	72.93	30.27	851445.57	297002
WP297002	81.27	72.99	30.24	850917.01	297101
WP297101	84.66	73.04	30.22	849779.01	297102
WP297102	84.73	73.05	30.22	849348.07	297201
WP297201	84.74	73.05	30.22	849279.04	297232
WP297231	84.74	73.05	30.22	849279.04	297232
WP297232	84.98	73.08	30.22	848765.20	297401
WP297301	1.33	77.71	29.85	851751.14	297401
WP297331	1.33	77.71	29.85	851751.14	297401
WP297401	96.66	73.75	30.17	847072.92	102051
WP297501	96.76	73.76	30.17	846853.98	297502
WP297502	100.96	73.87	30.15	846473.29	297601
WP297601	101.18	73.89	30.15	846209.01	297721
WP297711	105.80	74.01	30.12	844661.73	297802
WP297721	103.97	73.98	30.13	845397.39	297711
WP297801	106.46	74.00	30.12	843059.29	297921
WP297802	105.90	74.02	30.12	844276.14	297801
WP297831	106.46	74.00	30.12	843059.29	297921
WP297911	111.79	73.96	30.09	840185.70	298001
WP297921	111.58	73.96	30.09	840478.57	297911
WP298001	111.89	73.96	30.09	839576.26	298002
WP298002	111.94	73.96	30.09	839335.67	298101
WP298101	122.36	73.77	30.06	831871.67	298102
WP298102	123.44	73.75	30.06	831486.07	298201
WP298201	123.93	73.74	30.06	831238.54	298301
WP298301	123.96	73.74	30.06	831140.92	298401
WP298401	123.97	73.74	30.06	831071.89	298501
WP298501	124.03	73.74	30.06	830555.17	298601
WP298601	126.00	73.68	30.06	827967.51	298602
WP298602	126.66	73.65	30.06	827627.26	298701
WP298701	131.39	73.53	30.06	824412.57	CON188
WP298801	816.63	69.93	29.13	821079.45	LAKE50
WP298802	816.66	69.93	29.13	820924.64	559321
WP298901	943.11	70.50	29.32	805191.61	299011
WP299011	945.94	70.49	29.32	803199.51	CON094
WP299021	942.89	70.49	29.32	805736.92	298901
WP299111	103.93	75.87	31.01	804511.11	299201
WP299121	96.80	75.94	30.99	805720.17	299111
WP299201	104.44	75.86	31.01	804125.51	299421
WP299231	104.44	75.86	31.01	804125.51	299421
WP299301	106.12	75.84	31.03	802351.51	299302
WP299302	106.46	75.84	31.03	801804.17	CON094
WP299311	106.46	75.84	31.03	801804.17	CON094
WP299321	105.77	75.85	31.02	803006.29	299301
WP299331	106.12	75.84	31.03	802351.51	299302
WP299332	106.46	75.84	31.03	801804.17	CON094
WP299411	104.72	75.86	31.02	803287.32	299321
WP299421	104.71	75.86	31.02	803396.79	299411
WP299501	1064.61	71.06	29.53	798354.64	299601
WP299502	1064.59	71.06	29.53	798625.86	299501
WP299503	1064.50	71.06	29.53	798901.98	299502
WP299601	1104.74	71.06	29.62	789289.89	559421
WP299711	1194.04	71.03	29.89	774217.39	299801
WP299721	1161.53	71.03	29.79	778302.07	299711
WP299801	1194.63	71.02	29.89	773791.36	299901
WP299802	1195.72	71.03	29.90	772291.45	W12171
WP299901	1195.04	71.03	29.89	773136.57	299802
WP300001	1226.69	71.01	29.99	764881.42	300101
WP300002	1225.50	71.02	29.99	765191.04	300001
WP300101	1239.45	70.96	30.03	761818.32	300201
WP300201	1240.06	70.96	30.03	760991.98	LAYO51

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WP300301	1240.92	70.96	30.03	759987.14	W12161
WP300401	1318.77	70.92	30.26	725023.32	300501
WP300501	1320.65	70.91	30.27	723824.07	300621
WP300611	1321.31	70.91	30.27	723167.26	LABE52
WP300621	1320.65	70.91	30.27	723783.64	300611
WP300701	1325.04	70.90	30.28	722353.61	300702
WP300702	1325.20	70.90	30.28	721870.39	300703
WP300703	1325.24	70.90	30.28	721518.29	300801
WP300704	1325.82	70.89	30.28	720075.57	300903
WP300705	1326.18	70.89	30.28	718201.92	300902
WP300801	1325.69	70.89	30.28	720668.26	300704
WP300901	1326.37	70.89	30.28	717340.04	507601
WP300902	1326.25	70.89	30.28	717978.07	300901
WP300903	1326.16	70.89	30.28	718339.98	300705
WP301001	1329.41	70.89	30.29	715911.20	P40001
WP301101	1332.70	70.87	30.30	708107.79	CON095
WP301201	135.14	57.07	34.06	719017.26	301301
WP301231	135.14	57.07	34.06	719017.26	301301
WP301301	137.70	57.29	34.06	717348.67	301431
WP301331	137.70	57.29	34.06	717348.67	301431
WP301401	153.15	58.66	34.05	712772.14	301502
WP301431	152.95	58.65	34.05	713253.32	301401
WP301501	163.27	59.44	34.05	707301.92	P37631
WP301502	161.21	59.23	34.05	708002.04	301501
WP341101	1.41	66.46	24.37	1545360.28	CON012
WP341131	1.41	66.46	24.37	1545360.28	CON012
WP341231	1.51	52.94	24.37	1540204.09	CON013
WP341301	33.12	83.12	25.88	1504751.31	CON014
WP341302	33.12	83.12	25.88	1504751.31	CON014
WP341331	33.12	83.12	25.88	1504751.31	CON014
WP341401	4.65	83.43	25.03	1507781.40	344031
WP341431	4.65	83.43	25.03	1507781.40	344031
WP344001	46.29	78.25	25.23	1495654.25	CON015
WP344002	46.13	78.26	25.23	1495947.12	344001
WP344003	38.13	79.01	25.18	1496844.53	344002
WP344004	37.90	79.01	25.17	1497953.93	344003
WP344005	7.68	74.53	25.45	1497506.25	344002
WP344031	37.90	79.01	25.17	1497953.93	344003
WP344032	7.68	74.53	25.45	1497506.25	344002
WP344131	2.67	82.55	26.22	1486415.40	CON016
WP344201	0.24	77.56	27.17	1428654.04	CON017
WP344231	0.24	77.56	27.17	1428654.04	CON017
WP344301	215.28	75.12	26.30	1429455.36	344302
WP344302	215.34	75.13	26.30	1429305.45	344431
WP344401	239.35	75.13	26.36	1425900.92	344501
WP344431	239.35	75.13	26.36	1425900.92	344501
WP344501	311.78	75.99	26.42	1416045.36	CON017
WP344601	5.39	56.38	27.37	1363680.45	344651
WP344631	5.39	56.38	27.37	1363680.45	344651
WP344701	85.84	66.23	27.50	1338716.01	344802
WP344702	85.77	66.22	27.50	1339111.42	344701
WP344703	85.73	66.21	27.49	1339289.92	344702
WP344801	100.15	67.62	27.59	1337084.98	CON018
WP344802	100.10	67.61	27.58	1337268.39	344801
WP344803	13.57	75.48	28.10	1337727.92	344802
WP344804	13.53	75.48	28.10	1337894.57	344803
WP344931	8.89	75.03	27.00	1403180.70	345103
WP345001	11.19	70.66	27.22	1374222.61	345103
WP345031	11.19	70.66	27.22	1374222.61	345103
WP345101	260.69	65.31	27.33	1336722.23	CON019
WP345102	260.65	65.30	27.33	1336986.51	345101
WP345103	260.62	65.30	27.33	1337267.54	345102
WP345201	6.49	76.16	29.64	1312525.61	CON020
WP345231	6.05	76.32	29.64	1313663.61	345201
WP345232	6.49	76.16	29.64	1312525.61	CON020
WP345301	13203.39	70.87	24.30	1256193.57	CON037
WP345401	20.21	83.90	28.58	1301862.14	P51651
WP345431	20.21	83.90	28.58	1301862.14	P51651
WP345501	5.85	75.92	29.55	1276894.82	W12312
WP345502	5.75	75.81	29.54	1277073.32	345501
WP345503	120.86	81.39	28.96	1277382.95	W12312
WP345601	0.08	81.95	29.88	1273022.14	345602
WP345602	0.11	82.62	29.88	1272741.11	345832
WP345631	0.08	81.95	29.88	1273022.14	345602
WP345632	0.11	82.62	29.88	1272741.11	345832
WP345701	2.73	74.91	30.19	1270409.95	345702
WP345702	2.88	74.99	30.20	1270024.36	345832
WP345731	2.73	74.91	30.19	1270409.95	345702
WP345732	2.88	74.99	30.20	1270024.36	345832
WP345801	184.34	80.74	29.30	1265579.79	005512
WP345802	232.97	78.83	29.53	1259397.61	104871
WP345803	232.97	78.83	29.53	1259397.61	104871
WP345804	36.78	69.89	30.40	1264851.07	GHGH24
WP345805	184.34	80.74	29.30	1265579.79	005512

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WP345831	36.78	69.89	30.40	1264851.07	GHGH24
WP345832	184.34	80.74	29.30	1265579.79	005512
WPD34583	221.12	78.94	29.48	1265579.79	W12311
WP345833	232.97	78.83	29.53	1259397.61	104871
WP345911	223.64	80.68	29.32	1263734.73	GHGH24
WP345921	223.60	80.68	29.32	1263958.57	345911
WP346001	224.02	78.90	29.50	1262992.14	345833
WP346002	223.80	78.91	29.50	1263499.04	346001
WP346101	237.33	78.80	29.55	1254526.17	CON037
WP346102	236.87	78.80	29.55	1255095.17	346101
WP346201	4.57	72.14	30.74	1243240.76	346306
WP346231	4.57	72.14	30.74	1243240.76	346306
WP346301	103.26	68.58	30.92	1215687.82	CON038
WP346302	103.09	68.62	30.92	1216361.39	346301
WP346303	102.28	68.69	30.92	1216873.20	346302
WP346304	102.15	68.70	30.92	1217263.70	346303
WP346305	1.77	71.55	30.87	1217873.14	346304
WP346306	100.33	68.67	30.92	1217677.89	346304
WP346501	31.70	77.26	27.61	1147754.92	346831
WP346531	31.70	77.26	27.61	1147754.92	346831
WP346631	3.46	76.90	27.96	1148488.54	346831
WP346701	0.12	80.23	26.69	1180707.70	106371
WP346731	0.12	80.23	26.69	1180707.70	106371
WP346801	211.02	76.14	27.33	1136506.88	CON182
WP346831	211.02	76.14	27.33	1136506.88	CON182
WP346901	8.56	80.36	28.30	1128714.48	W12242
WP346931	8.56	80.36	28.30	1128714.48	W12242
WP347001	257.30	75.54	27.48	1122632.79	CON181
WP347031	257.30	75.53	27.48	1122782.70	347051
WP347101	0.44	80.98	28.74	1151779.54	347102
WP347102	2.94	81.94	28.82	1150190.98	CON181
WP347131	0.44	80.98	28.74	1151779.54	347102
WP347132	2.94	81.94	28.82	1150190.98	CON181
WP347201	2.97	77.09	28.98	1132012.07	CON181
WP347231	2.97	77.09	28.98	1132012.07	CON181
WP347301	1.20	81.58	29.49	1116799.83	CON180
WP347331	1.20	81.58	29.49	1116799.83	CON180
WP347401	0.61	75.53	28.19	1150008.92	347501
WP347431	0.61	75.53	28.19	1150008.92	347501
WP347501	0.74	75.96	28.19	1149589.82	CON182
WP347531	0.74	75.96	28.19	1149589.82	CON182
WP347601	193.36	65.45	28.83	1029780.76	CON083
WP347901	1.95	83.90	28.72	1123754.04	348031
WP347931	1.95	83.90	28.72	1123754.04	348031
WP348001	20.50	81.16	28.47	1121411.88	CON179
WP348031	20.50	81.16	28.47	1121411.88	CON179
WP348101	0.92	82.73	28.95	1121157.42	CON179
WP348131	0.92	82.73	28.95	1121157.42	CON179
WP348201	0.36	85.00	28.93	1119031.33	348232
WP348202	0.37	85.00	28.93	1118905.11	CON179
WP348231	0.36	85.00	28.93	1119031.33	348232
WP348232	0.37	85.00	28.93	1118905.11	CON179
WP348301	2.95	84.80	29.16	1113757.20	CON178
WP348302	2.95	84.80	29.16	1113757.20	CON178
WP348331	2.95	84.80	29.16	1113757.20	CON178
WP348401	0.23	83.48	29.21	1111935.83	CON178
WP348431	0.23	83.48	29.21	1111935.83	CON178
WP348501	3.86	83.61	29.51	1116915.89	348601
WP348531	3.86	83.61	29.51	1116915.89	348601
WP348601	4.65	83.04	29.50	1115382.48	CON177
WP348602	0.17	85.00	29.49	1115842.01	CON177
WP348603	0.0047	85.00	29.49	1115713.76	CON177
WP348631	4.65	83.04	29.50	1115382.48	CON177
WP348632	0.17	85.00	29.49	1115842.01	CON177
WP348633	0.0047	85.00	29.49	1115713.76	CON177
WP348701	1.20	84.55	29.29	1110256.23	348801
WP348731	1.20	84.55	29.29	1110256.23	348801
WP348801	5.77	85.18	29.39	1106856.11	CON175
WP348831	5.77	85.18	29.39	1106856.11	CON175
WP348901	1.96	84.43	29.33	1104939.98	CON175
WP348931	1.96	84.43	29.33	1104939.98	CON175
WP349001	1.28	83.41	29.92	1101268.64	CON174
WP349031	1.28	83.41	29.92	1101268.64	CON174
WP349201	2.80	81.06	29.78	1098919.54	CON173
WP349231	2.80	81.06	29.78	1098919.54	CON173
WP349301	2.03	80.21	30.14	1097572.42	349401
WP349331	2.03	80.21	30.14	1097572.42	349401
WP349401	2.30	80.63	30.12	1096520.20	CON172
WP349431	2.30	80.63	30.12	1096520.20	CON172
WP349501	0.92	74.36	30.14	1096658.26	CON172
WP349531	0.92	74.36	30.14	1096658.26	CON172
WP349601	0.45	84.19	30.11	1093901.08	CON171
WP349631	0.45	84.19	30.11	1093901.08	CON171
WP349701	4.37	82.83	29.94	1091439.64	CON170

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WP349801	4.37	82.83	29.94	1091439.64	CON170
WP349831	4.37	82.83	29.94	1091439.64	CON170
WP349901	0.12	79.98	30.12	1093936.61	CON169
WP349931	0.12	79.98	30.12	1093936.61	CON169
WP350001	473.13	76.31	28.25	1089901.33	CON168
WP350101	0.25	72.76	30.35	1091539.29	CON168
WP350131	0.25	72.76	30.35	1091539.29	CON168
WP350201	0.26	85.00	30.12	1089663.61	350302
WP350231	0.26	85.00	30.12	1089663.61	350302
WP350301	1.37	82.85	30.12	1089204.08	CON051
WP350302	0.35	85.00	30.14	1089411.17	350331
WP350331	1.37	82.85	30.12	1089204.08	CON051
WP350332	0.35	85.00	30.14	1089411.17	350331
WP350401	0.08	82.51	30.43	1087756.46	350531
WP350431	0.08	82.51	30.43	1087756.46	350531
WP350501	3.23	80.93	30.23	1086111.57	CON053
WP350531	3.23	80.93	30.23	1086111.57	CON053
WP350601	2.83	69.25	30.24	1093187.07	350831
WP350631	2.83	69.25	30.24	1093187.07	350831
WP350801	17.52	67.63	30.34	1088800.88	CON052
WP350831	17.52	67.63	30.34	1088800.88	CON052
WP351101	506.69	76.09	28.38	1082759.75	351201
WP351201	509.26	76.13	28.39	1081798.25	CON054
WP351401	8.56	60.66	30.53	1106881.52	CON054
WP351431	8.56	60.66	30.53	1106881.52	CON054
WP351501	10.73	65.57	30.39	1104432.77	CON054
WP351531	10.73	65.57	30.39	1104432.77	CON054
WP351631	10.73	65.57	30.39	1104432.77	CON054
WP351701	4.93	77.05	30.65	1100332.52	CON054
WP351731	4.93	77.05	30.65	1100332.52	CON054
WP351801	2.63	76.47	30.77	1099151.21	CON054
WP351831	2.63	76.47	30.77	1099151.21	CON054
WP351901	0.49	79.85	31.57	1090374.74	CON054
WP351931	0.49	79.85	31.57	1090374.74	CON054
WP352001	1.42	82.36	28.31	1133482.52	352802
WP352031	1.42	82.36	28.31	1133482.52	352802
WP352101	5.16	82.46	28.25	1132606.77	352802
WP352131	5.16	82.46	28.25	1132606.77	352802
WP352201	0.53	85.00	28.39	1133033.65	352802
WP352202	0.52	85.00	28.38	1133159.87	352201
WP352231	0.53	85.00	28.39	1133033.65	352802
WP352232	0.52	85.00	28.38	1133159.87	352201
WP352301	0.82	83.28	28.82	1113358.40	352402
WP352331	0.82	83.28	28.82	1113358.40	352402
WP352401	1.38	82.80	28.85	1112811.06	352802
WP352402	1.31	83.14	28.85	1112977.72	352401
WP352431	1.38	82.80	28.85	1112811.06	352802
WP352432	1.31	83.14	28.85	1112977.72	352401
WP352501	0.13	83.70	29.06	1111656.31	352802
WP352531	0.13	83.70	29.06	1111656.31	352802
WP352601	1.30	85.42	29.49	1104581.62	352802
WP352631	1.30	85.42	29.49	1104581.62	352802
WP352801	0.23	73.49	29.49	1099446.75	352802
WP352802	242.37	73.26	28.67	1097630.28	353201
WP352831	0.23	73.49	29.49	1099446.75	352802
WP353001	0.20	77.04	29.49	1099032.56	352802
WP353002	0.54	80.71	29.49	1099113.43	352802
WP353031	0.20	77.04	29.49	1099032.56	352802
WP353032	0.54	80.71	29.49	1099113.43	352802
WP353101	0.01	85.00	29.49	1098179.65	353132
WP353102	0.42	83.18	29.49	1097177.68	353201
WP353103	0.06	83.45	29.49	1092279.34	353401
WP353104	1.14	84.19	29.52	1092222.15	353401
WP353131	0.01	85.00	29.49	1098179.65	353132
WP353132	0.42	83.18	29.49	1097177.68	353201
WP353133	0.06	83.45	29.49	1092279.34	353401
WP353134	1.14	84.19	29.52	1092222.15	353401
WP353201	250.23	73.51	28.70	1093059.50	353401
WP353301	0.84	84.11	29.53	1092717.22	353104
WP353331	0.84	84.11	29.53	1092717.22	353104
WP353401	253.34	73.62	28.71	1088815.93	354301
WP353501	0.87	85.00	29.52	1093084.03	353602
WP353531	0.87	85.00	29.52	1093084.03	353602
WP353601	2.87	84.99	29.56	1089258.72	354301
WP353602	2.83	85.00	29.56	1089470.72	353601
WP353631	2.87	84.99	29.56	1089258.72	354301
WP353632	2.83	85.00	29.56	1089470.72	353601
WP353701	0.92	79.98	29.82	1092067.84	353801
WP353731	0.92	79.98	29.82	1092067.84	353801
WP353801	2.20	81.43	29.83	1090065.09	354301
WP353831	2.20	81.43	29.83	1090065.09	354301
WP353901	1.00	81.85	29.84	1087830.72	354301
WP353931	1.00	81.85	29.84	1087830.72	354301
WP354001	267.51	74.05	28.77	1084745.15	CON055

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WP354002	1.00	84.30	29.80	1085194.85	CON055
WP354003	0.52	85.00	29.79	1088407.50	354301
WP354031	1.00	84.30	29.80	1085194.85	CON055
WP354032	0.52	85.00	29.79	1088407.50	354301
WP354101	1.12	80.22	30.14	1088414.44	354231
WP354131	1.12	80.22	30.14	1088414.44	354231
WP354231	4.41	81.01	30.03	1086293.26	354301
WP354301	267.30	74.04	28.77	1085959.95	SADL44
WP354401	267.47	74.05	28.77	1085054.77	354001
WP354501	0.17	85.00	29.80	1085256.95	CON055
WP354531	0.17	85.00	29.80	1085256.95	CON055
WP354601	0.82	83.90	30.16	1085045.82	CON055
WP354602	0.37	83.92	30.16	1085581.30	354601
WP354631	0.37	83.92	30.16	1085581.30	354601
WP354701	1.10	83.50	30.15	1082779.69	CON056
WP354731	1.10	83.50	30.15	1082779.69	CON056
WP354801	2.50	84.37	30.12	1082132.73	CON056
WP354831	2.50	84.37	30.12	1082132.73	CON056
WP354901	0.39	85.00	29.52	1086194.48	CON057
WP354931	0.39	85.00	29.52	1086194.48	CON057
WP355001	0.52	84.73	29.72	1081604.17	CON057
WP355031	0.52	84.73	29.72	1081604.17	CON057
WP355101	0.42	84.82	29.68	1082234.39	CON057
WP355131	0.42	84.82	29.68	1082234.39	CON057
WP355201	0.46	85.00	29.83	1075039.46	CON060
WP355231	0.46	85.00	29.83	1075039.46	CON060
WP355301	0.60	83.81	30.00	1073729.92	CON060
WP355331	0.60	83.81	30.00	1073729.92	CON060
WP355401	0.07	77.17	30.00	1073349.25	CON060
WP355431	0.07	77.17	30.00	1073349.25	CON060
WP355501	1.19	84.74	29.82	1072767.56	CON060
WP355531	1.19	84.74	29.82	1072767.56	CON060
WP355601	0.07	71.95	29.84	1072762.65	CON060
WP355701	0.07	71.95	29.84	1072762.65	CON060
WP355731	0.07	71.95	29.84	1072762.65	CON060
WP355801	16.37	65.14	30.94	1058782.38	W12222
WP356031	2.56	77.94	29.14	1110308.88	384401
WP356101	4.07	64.43	29.00	1098120.97	357501
WP356131	4.07	64.43	29.00	1098120.97	357501
WP356201	1.72	78.76	29.05	1097942.47	357501
WP356231	1.72	78.76	29.05	1097942.47	357501
WP356301	0.85	77.85	29.06	1097002.59	357501
WP356331	0.85	77.85	29.06	1097002.59	357501
WP356501	6.02	72.99	29.05	1094607.31	357501
WP356531	6.02	72.99	29.05	1094607.31	357501
WP356731	4.25	77.86	29.06	1094233.56	357501
WP356801	3.38	68.89	28.98	1108483.44	356901
WP356802	3.32	68.85	28.98	1108833.50	356801
WP356831	3.38	68.89	28.98	1108483.44	356901
WP356832	3.32	68.85	28.98	1108833.50	356801
WP356901	7.03	70.52	29.00	1105086.19	357501
WP356931	7.03	70.52	29.00	1105086.19	357501
WP357201	0.45	79.56	29.20	1097923.69	357501
WP357231	0.45	79.56	29.20	1097923.69	357501
WP357301	0.20	84.79	29.25	1092307.63	357501
WP357331	0.20	84.79	29.25	1092307.63	357501
WP357401	1.33	82.86	29.25	1091375.53	357532
WP357431	1.33	82.86	29.25	1091375.53	357532
WP357501	123.52	75.39	29.17	1089284.97	357801
WP357502	0.11	79.28	29.25	1090151.75	357532
WP357503	5.34	82.21	29.24	1089387.50	357504
WP357504	5.42	82.25	29.24	1089018.66	357801
WP357531	0.11	79.28	29.25	1090151.75	357532
WP357532	5.34	82.21	29.24	1089387.50	357504
WP357533	5.42	82.25	29.24	1089018.66	357801
WP357801	130.90	75.73	29.17	1085324.50	357901
WP357802	134.75	75.89	29.18	1083474.57	359501
WP357803	1.77	82.99	29.31	1085548.34	357901
WP357831	1.77	82.99	29.31	1085548.34	357901
WP357901	133.74	75.86	29.18	1084198.37	357802
WP358001	0.69	83.35	29.25	1084008.03	359501
WP358002	3.27	82.73	29.25	1083915.32	359501
WP358031	0.69	83.35	29.25	1084008.03	359501
WP358032	3.27	82.73	29.25	1083915.32	359501
WP358101	0.01	78.61	29.41	1079777.60	359501
WP358131	0.01	78.61	29.41	1079777.60	359501
WP358401	10.79	78.93	29.18	1081034.86	358501
WP358501	11.71	79.20	29.19	1079816.02	358503
WP358502	0.82	83.56	29.29	1079861.36	358503
WP358503	13.94	80.05	29.22	1077885.22	358601
WP358531	11.71	79.20	29.19	1079816.02	358503
WP358532	0.82	83.56	29.29	1079861.36	358503
WP358601	13.94	80.05	29.22	1077770.84	358631
WP358631	13.94	80.05	29.22	1077742.25	359501

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WP358701	13.94	80.05	29.22	1077770.84	358631
WP358731	13.94	80.05	29.22	1077742.25	359501
WP358801	13.94	80.05	29.22	1077770.84	358631
WP358831	13.94	80.05	29.22	1077742.25	359501
WP358901	13.94	80.05	29.22	1077770.84	358631
WP358931	13.94	80.05	29.22	1077742.25	359501
WP359001	13.94	80.05	29.22	1077770.84	358631
WP359031	13.94	80.05	29.22	1077742.25	359501
WP359201	2.15	84.37	29.29	1075506.74	359501
WP359231	2.15	84.37	29.29	1075506.74	359501
WP359301	0.23	85.00	29.83	1069565.31	359501
WP359331	0.23	85.00	29.83	1069565.31	359501
WP359401	0.21	85.00	29.84	1069796.08	359301
WP359501	170.66	76.98	29.21	1068651.18	361901
WP359601	6.01	62.18	29.04	1093876.53	360831
WP359631	6.01	62.18	29.04	1093876.53	360831
WP359701	16.37	64.16	28.98	1102804.06	360231
WP359801	16.37	64.16	28.98	1102804.06	360231
WP359831	16.37	64.16	28.98	1102804.06	360231
WP359901	16.37	64.16	28.98	1102804.06	360231
WP359931	16.37	64.16	28.98	1102804.06	360231
WP360031	16.37	64.16	28.98	1102804.06	360231
WP360131	16.37	64.16	28.98	1102804.06	360231
WP360231	17.23	64.26	28.98	1101318.87	390231
WP360331	29.18	67.43	28.98	1098957.09	360531
WP360431	29.18	67.43	28.98	1098957.09	360531
WP360531	29.45	67.49	28.98	1098026.18	360601
WP360601	31.80	68.06	28.99	1095619.90	360731
WP360701	39.88	69.90	29.00	1090623.09	360831
WP360731	39.88	69.90	29.00	1090623.09	360831
WP360801	52.22	69.61	29.02	1087685.37	361101
WP360831	52.22	69.61	29.02	1087685.37	361101
WP360901	2.27	72.88	29.13	1082169.93	361101
WP360931	2.27	72.88	29.13	1082169.93	361101
WP361001	1.77	77.73	29.13	1081096.08	361101
WP361031	1.77	77.73	29.13	1081096.08	361101
WP361101	65.98	70.21	29.05	1079389.12	361102
WP361102	66.15	70.22	29.05	1078663.30	361201
WP361201	67.47	70.25	29.05	1075999.75	361801
WP361202	0.50	71.45	29.33	1076130.88	361801
WP361231	0.50	71.45	29.33	1076130.88	361801
WP361301	1.41	76.43	29.26	1079242.98	361401
WP361331	1.41	76.43	29.26	1079242.98	361401
WP361401	1.47	76.49	29.26	1078749.95	361501
WP361431	1.47	76.49	29.26	1078749.95	361501
WP361501	2.83	78.36	29.27	1075974.05	361801
WP361531	2.83	78.36	29.27	1075974.05	361801
WP361601	2.83	78.36	29.27	1075974.05	361801
WP361631	2.83	78.36	29.27	1075974.05	361801
WP361701	0.01	74.59	29.41	1072410.23	361801
WP361731	0.01	74.59	29.41	1072410.23	361801
WP361801	75.03	70.97	29.08	1070996.14	361901
WP361802	0.09	74.88	29.41	1071512.85	361801
WP361831	0.09	74.88	29.41	1071512.85	361801
WP361901	246.69	75.16	29.18	1068115.69	362021
WP361902	0.21	80.06	29.84	1068753.71	361901
WP361931	0.21	80.06	29.84	1068753.71	361901
WP362001	1.87	75.53	29.52	1064999.56	CON061
WP362011	249.41	75.20	29.18	1064486.93	W12221
WP362021	248.66	75.19	29.18	1066013.35	362011
WP362031	1.87	75.53	29.52	1064999.56	CON061
WP362201	0.41	82.57	30.00	1065526.08	W12221
WP362202	0.01	70.00	30.00	1065945.16	362201
WP362231	0.41	82.57	30.00	1065526.08	W12221
WP362232	0.01	70.00	30.00	1065945.16	362201
WP362301	14.02	72.75	29.15	1066676.24	CON061
WP362302	0.72	78.53	29.21	1066757.12	362401
WP362331	0.72	78.53	29.21	1066757.12	362401
WP362401	14.02	72.75	29.15	1066676.24	CON061
WP362402	0.72	78.53	29.21	1066757.12	362401
WP362601	1282.09	75.04	29.02	1051488.04	LEHS45
WP362602	1281.80	75.04	29.02	1051990.04	362701
WP362603	1281.65	75.04	29.02	1052185.29	362602
WP362701	1281.83	75.04	29.02	1051730.67	362601
WP362901	0.80	62.85	31.23	1067898.36	CON080
WP362931	0.80	62.85	31.23	1067898.36	CON080
WP363001	1308.23	74.84	29.06	1049140.98	363101
WP363101	1312.66	74.85	29.06	1045934.92	363201
WP363201	1313.61	74.85	29.06	1044220.98	363301
WP363301	1324.39	74.87	29.07	1043011.92	363401
WP363401	1343.86	74.72	29.08	1036701.48	363501
WP363501	1344.02	74.72	29.08	1035792.23	CON081
WP363601	1400.38	74.65	29.09	1034470.82	CON082
WP363631	10.45	68.87	32.89	758594.53	CON213

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WP363701	16.44	71.71	28.96	1060840.42	363702
WP363702	17.32	71.99	28.96	1060237.92	363703
WP363703	17.37	71.98	28.96	1059949.95	363901
WP363731	16.44	71.71	28.96	1060840.42	363702
WP363732	17.32	71.99	28.96	1060237.92	363703
WP363733	17.37	71.98	28.96	1059949.95	363901
WP363801	26.22	72.69	28.99	1054527.11	364003
WP363831	26.22	72.69	28.99	1054527.11	364003
WP363901	26.22	72.69	28.99	1054527.11	364003
WP364001	29.71	73.27	29.06	1050561.70	364201
WP364002	29.43	73.18	29.05	1050740.20	364001
WP364003	29.02	73.08	29.04	1050890.11	364002
WP364031	29.71	73.27	29.06	1050561.70	364201
WP364032	29.43	73.18	29.05	1050740.20	364001
WP364033	29.02	73.08	29.04	1050890.11	364002
WP364131	7.27	66.38	28.99	1048797.51	364201
WP364201	42.62	72.19	29.12	1043120.20	CON081
WP364301	0.87	59.15	29.04	1048091.29	364302
WP364302	1.34	59.46	29.00	1047827.01	364303
WP364303	1.58	59.45	29.03	1047534.14	364304
WP364304	1.80	61.29	29.07	1047217.57	364401
WP364331	0.87	59.15	29.04	1048091.29	364302
WP364332	1.34	59.46	29.00	1047827.01	364303
WP364333	1.58	59.45	29.03	1047534.14	364304
WP364334	1.80	61.29	29.07	1047217.57	364401
WP364401	2.24	63.55	29.18	1046034.23	CON081
WP364431	2.24	63.55	29.18	1046034.23	CON081
WP364501	0.38	74.53	29.36	1044431.79	CON081
WP364531	0.38	74.53	29.36	1044431.79	CON081
WP364532	0.33	73.29	29.32	1044558.01	364501
WP364601	1400.20	74.65	29.09	1035032.89	363601
WP364701	0.20	74.59	30.00	1036092.04	364801
WP364702	2.50	64.86	30.00	1036358.36	364801
WP364731	0.20	74.59	30.00	1036092.04	364801
WP364732	2.50	64.86	30.00	1036358.36	364801
WP364801	3.10	67.61	30.00	1035351.48	CON082
WP364802	1404.25	74.64	29.09	1033625.70	364901
WP364901	1404.27	74.64	29.09	1033556.67	365001
WP365001	1404.46	74.64	29.09	1032830.82	365102
WP365101	1409.24	74.66	29.09	1029413.95	365301
WP365102	1406.00	74.64	29.09	1030757.01	365201
WP365201	1407.76	74.65	29.09	1030183.11	365101
WP365301	1409.39	74.66	29.09	1029068.79	365401
WP365401	1409.58	74.66	29.09	1028378.48	365402
WP365402	1409.78	74.66	29.09	1027976.14	365502
WP365501	1432.01	74.48	29.10	1026269.14	365601
WP365502	1431.95	74.48	29.10	1026578.76	365501
WP365601	1436.04	74.47	29.10	1023417.20	365701
WP365701	1444.20	74.39	29.10	1021112.61	365801
WP365801	1444.22	74.39	29.10	1021003.14	CON083
WP365901	14.80	62.80	29.04	1069633.11	366231
WP365931	14.80	62.80	29.04	1069633.11	366231
WP366001	0.30	71.26	28.98	1068666.67	366101
WP366002	0.30	71.26	28.98	1068666.67	366101
WP366003	0.30	71.26	28.98	1068666.67	366101
WP366031	0.30	71.26	28.98	1068666.67	366101
WP366101	17.84	64.08	29.01	1065466.70	366231
WP366201	38.00	65.52	29.00	1062814.92	347601
WP366231	38.00	65.52	29.00	1062814.92	347601
WP366301	32.74	62.35	28.28	1052367.51	347601
WP366331	32.74	62.35	28.28	1052367.51	347601
WP366401	1.45	82.28	16.93	2134172.31	366501
WP366431	1.45	82.28	16.93	2134172.31	366501
WP366501	2.06	81.97	16.93	2133448.93	366601
WP366531	2.06	81.97	16.93	2133448.93	366601
WP366601	6.54	81.58	16.95	2129879.87	366701
WP366631	6.54	81.58	16.95	2129879.87	366701
WP366701	9.96	81.91	16.95	2127617.00	366801
WP366731	9.96	81.91	16.95	2127617.00	366801
WP366801	11.29	82.00	16.96	2126589.06	366934
WP366831	11.29	82.00	16.96	2126589.06	366934
WP366901	0.10	76.02	17.05	2096463.37	366934
WP366902	0.63	80.55	17.05	2095847.18	366934
WP366903	0.09	74.40	17.05	2095369.00	366934
WP366904	93.54	79.18	16.98	2094840.75	367002
WP366931	0.10	76.02	17.05	2096463.37	366934
WP366932	0.63	80.55	17.05	2095847.18	366934
WP366933	0.09	74.40	17.05	2095369.00	366934
WP366934	93.54	79.18	16.98	2094840.75	367002
WP367001	110.70	79.07	17.00	2082268.31	367431
WP367002	110.31	79.09	17.00	2083284.37	367001
WP367031	110.31	79.09	17.00	2083284.37	367001
WP367032	110.70	79.07	17.00	2082268.31	367431
WP367101	120.84	78.71	17.02	2071581.40	406431

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WP367131	120.84	78.71	17.02	2071581.40	406431
WP367201	120.84	78.71	17.02	2071581.40	406431
WP367202	120.84	78.71	17.02	2071581.40	406431
WP367231	120.84	78.71	17.02	2071581.40	406431
WP367301	120.84	78.71	17.02	2071581.40	406431
WP367302	120.84	78.71	17.02	2071581.40	406431
WP367303	120.84	78.71	17.02	2071581.40	406431
WP367304	120.84	78.71	17.02	2071581.40	406431
WP367331	120.84	78.71	17.02	2071581.40	406431
WP367401	120.84	78.71	17.02	2071581.40	406431
WP367431	120.84	78.71	17.02	2071581.40	406431
WP367501	159.34	78.12	17.20	2031586.43	368131
WP367531	159.34	78.12	17.20	2031586.43	368131
WP367601	23.80	79.95	17.89	2028272.09	367731
WP367631	23.80	79.95	17.89	2028272.09	367731
WP367701	31.55	79.17	17.93	2019788.18	367831
WP367731	31.55	79.17	17.93	2019788.18	367831
WP367801	39.35	77.84	17.97	2009208.81	367901
WP367831	39.35	77.84	17.97	2009208.81	367901
WP367901	40.40	77.64	17.98	2008932.68	368001
WP367931	40.40	77.64	17.98	2008932.68	368001
WP368001	41.93	77.61	17.98	2006465.50	368131
WP368031	41.93	77.61	17.98	2006465.50	368131
WP368101	232.51	78.03	17.46	1997102.12	381301
WP368131	232.51	78.03	17.46	1997102.12	381301
WP368201	257.04	77.54	17.55	1981173.84	368331
WP368231	257.04	77.54	17.55	1981173.84	368331
WP368301	262.87	77.45	17.58	1972208.75	RWPL01
WP368331	262.87	77.45	17.58	1972208.75	RWPL01
WP368401	5.97	70.72	19.04	1970887.34	368501
WP368431	5.97	70.72	19.04	1970887.34	368501
WP368501	9.48	71.36	19.11	1966635.15	RWPL01
WP368531	9.48	71.36	19.11	1966635.15	RWPL01
WP368601	298.47	77.09	17.80	1949802.87	368703
WP368701	300.64	77.08	17.82	1946536.75	391501
WP368702	300.15	77.08	17.81	1947089.00	368701
WP368703	300.03	77.08	17.81	1947674.75	368702
WP368801	300.93	77.08	17.82	1945798.21	P40351
WP368901	0.02	70.00	19.57	1916245.75	369001
WP368931	0.02	70.00	19.57	1916245.75	369001
WP369001	26.34	69.25	19.83	1893728.37	CON001
WP369101	4.36	69.41	20.59	1870761.43	CON001
WP369131	4.36	69.41	20.59	1870761.43	CON001
WP369201	541.79	72.95	18.92	1838843.96	W12402
WP369231	541.79	72.95	18.92	1838843.96	W12402
WP369301	688.73	71.06	19.49	1804540.20	WRSP02
WP369331	688.73	71.06	19.49	1804540.20	WRSP02
WP369401	3.36	74.31	20.95	1843869.56	CON004
WP369431	3.36	74.31	20.95	1843869.56	CON004
WP369501	6.38	63.59	21.47	1835497.15	CON004
WP369531	6.38	63.59	21.47	1835497.15	CON004
WP369601	30.03	64.93	21.55	1782047.35	369651
WP369631	30.03	64.93	21.55	1782047.35	369651
WP369731	7.55	61.39	21.49	1778951.95	DUGI03
WP369801	27.20	65.41	21.54	1776958.17	DUGI03
WP369831	27.20	65.41	21.54	1776958.17	DUGI03
WP369901	23.76	69.30	21.51	1777754.73	DUGI03
WP369902	23.76	69.30	21.51	1777754.73	DUGI03
WP369931	23.76	69.30	21.51	1777754.73	DUGI03
WP370001	5.50	78.33	21.34	1766910.23	DUGI03
WP370031	5.50	78.33	21.34	1766910.23	DUGI03
WP370131	18.02	80.10	22.02	1703244.32	CON003
WP370231	3.95	63.78	22.82	1638745.99	CON006
WP370301	63.15	75.45	16.95	2116607.87	370401
WP370331	63.15	75.45	16.95	2116607.87	370401
WP370401	123.38	75.70	17.57	2015091.03	370421
WP370411	124.67	75.73	17.58	2014055.56	370535
WP370421	123.38	75.70	17.57	2015050.59	370411
WP370431	123.38	75.70	17.57	2015091.03	370421
WP370501	67.74	78.17	18.76	1958227.40	370502
WP370502	68.61	78.25	18.76	1956232.43	370533
WP370503	236.49	77.15	18.19	1945674.71	398551
WP370531	67.74	78.17	18.76	1958227.40	370502
WP370532	68.61	78.25	18.76	1956232.43	370533
WP370533	69.13	78.29	18.76	1954666.37	370534
WP370534	69.44	78.32	18.76	1953716.68	370535
WP370535	234.65	77.10	18.18	1950769.15	370503
WP370536	236.49	77.15	18.19	1945674.71	398551
WP370631	245.50	76.93	18.23	1928377.65	370731
WP370701	255.77	76.92	18.27	1926258.50	CON007
WP370702	255.77	76.92	18.27	1926258.50	CON007
WP370731	255.77	76.92	18.27	1926258.50	CON007
WP370732	8.99	77.70	19.25	1927293.96	370731
WP370801	29.61	74.58	20.17	1904299.62	CON007

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WP370831	29.61	74.58	20.17	1904299.62	CON007
WP370901	329.17	75.27	18.71	1898321.65	371131
WP370931	329.17	75.27	18.71	1898321.65	371131
WP371001	329.17	75.27	18.71	1898321.65	371131
WP371101	473.35	70.52	19.34	1852892.50	CON244
WP371131	473.35	70.52	19.34	1852892.50	CON244
WP371301	8.72	76.28	19.90	1893434.81	P53591
WP371331	8.72	76.27	19.90	1893463.40	371301
WP371401	2.19	71.61	20.65	1849904.53	CON159
WP371431	2.19	71.61	20.65	1849904.53	CON159
WP371501	1.99	48.58	20.82	1828207.40	CON160
WP371531	1.99	48.58	20.82	1828207.40	CON160
WP371601	0.47	56.62	21.46	1817641.90	CON008
WP371602	0.21	52.13	21.50	1818929.81	371601
WP371631	0.21	52.13	21.50	1818929.81	371601
WP371701	1194.17	62.61	20.38	1734456.56	371801
WP371801	1250.61	62.48	20.47	1724338.75	371802
WP371802	1297.48	62.75	20.54	1714411.28	371803
WP371803	1308.42	62.79	20.56	1711946.12	371901
WP371901	1348.30	62.87	20.64	1703097.43	CON009
WP372001	0.17	78.00	23.86	1702662.43	372131
WP372031	0.17	78.00	23.86	1702662.43	372131
WP372101	1.68	69.87	23.85	1700295.75	CON009
WP372131	1.68	69.87	23.85	1700295.75	CON009
WP3721P1	7.40	84.00	24.94	1608831.65	415431
WP372201	1828.50	64.85	21.29	1629629.10	372202
WP372202	1828.53	64.85	21.29	1629450.60	372203
WP372203	1843.93	64.85	21.30	1627615.35	DMAS09
WP372401	2022.37	65.48	21.53	1578116.83	W12412
WP372431	2022.37	65.48	21.53	1578116.83	W12412
WP372501	0.33	86.35	34.64	696097.70	CON110
WP372601	1.76	80.90	34.24	690885.17	CON099
WP372602	1.74	81.03	34.24	691006.48	372601
WP372631	1.76	80.90	34.24	690885.17	CON099
WP372632	1.74	81.03	34.24	691006.48	372601
WP372701	2.49	66.20	34.45	670704.70	372751
WP372731	2.49	66.20	34.45	670704.70	372751
WP372831	1.03	70.52	34.45	669840.79	CON100
WP372901	0.79	68.36	34.57	643185.26	CON101
WP372931	0.79	68.36	34.57	643185.26	CON101
WP373001	2.38	66.42	33.46	738721.95	373101
WP373002	2.35	66.38	33.46	738883.70	373001
WP373031	2.38	66.42	33.46	738721.95	373101
WP373032	2.35	66.38	33.46	738883.70	373001
WP373101	188.77	76.02	31.77	736512.95	W12491
WP373231	5.42	78.31	32.92	736198.42	W12491
WP373331	248.59	74.47	32.18	711129.42	373332
WP373332	250.33	74.44	32.19	709504.14	CON103
WP373401	17.21	51.10	33.68	709330.54	CON103
WP373402	17.07	50.86	33.68	709880.76	373401
WP373403	16.89	50.72	33.67	710454.67	373402
WP373431	17.21	51.10	33.68	709330.54	CON103
WP373432	17.07	50.86	33.68	709880.76	373401
WP373433	16.89	50.72	33.67	710454.67	373402
WP373501	41.59	69.11	31.25	755949.29	373601
WP373502	20.60	72.12	31.28	756375.32	373501
WP373503	20.56	72.12	31.28	756634.70	373502
WP373504	20.54	72.11	31.28	756732.32	373503
WP373601	87.15	70.35	31.75	742176.04	373701
WP373701	128.04	67.71	32.28	714529.54	SGGE55
WP373831	402.99	71.04	32.32	705142.48	104893
WP373901	404.39	71.06	32.32	702985.76	374001
WP374001	416.31	71.12	32.37	699593.42	374101
WP374101	416.66	71.12	32.37	698450.51	374221
WP374201	126.50	65.60	33.74	697995.89	CON106
WP374202	123.28	65.10	33.72	698345.95	374201
WP374211	424.05	71.13	32.40	698024.48	CON106
WP374221	416.67	71.12	32.37	698300.61	374211
WP374301	123.20	65.09	33.72	699007.67	104891
WP374302	122.96	65.06	33.72	699467.20	374301
WP374303	122.93	65.06	33.72	699726.57	374302
WP374304	122.37	64.98	33.72	700209.79	374303
WP374401	551.51	69.88	32.71	696224.76	374501
WP374402	551.23	69.87	32.71	697100.51	374503
WP374501	551.87	69.87	32.71	695586.73	374601
WP374502	551.42	69.88	32.71	696772.11	374401
WP374503	551.34	69.87	32.71	696974.29	374502
WP374601	579.36	70.49	32.78	688934.36	374701
WP374701	596.26	70.65	32.82	683337.07	4091P1
WP374801	602.28	70.60	32.83	675494.42	W12482
WP374901	832.60	71.38	33.28	618708.11	375005
WP374902	832.58	71.38	33.28	618903.36	374901
WP374903	832.48	71.38	33.28	619427.01	374902
WP374904	832.38	71.38	33.28	619886.54	374903

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WP374905	832.03	71.38	33.28	620226.79	374904
WP375001	838.41	71.34	33.30	615953.79	W12442
WP375002	838.13	71.34	33.29	616551.39	375001
WP375003	837.99	71.34	33.29	617120.39	375002
WP375004	832.91	71.38	33.28	617458.61	375003
WP375005	832.88	71.38	33.28	617867.89	375004
WP375101	113.46	64.86	33.47	710044.89	102642
WP375231	3.75	73.50	34.28	675936.36	102991
WP375301	1.72	65.20	35.08	649420.07	CON102
WP375331	1.72	65.20	35.08	649420.07	CON102
WP375332	1.61	64.59	35.08	649765.23	375351
WP375401	2.04	70.00	34.78	644123.45	CON102
WP375431	2.04	70.00	34.78	644123.45	CON102
WP375501	32.03	69.47	34.43	645402.39	CON102
WP375502	31.96	69.47	34.43	645666.67	375501
WP375503	4.56	67.96	34.64	645271.26	375506
WP375504	0.78	70.00	34.59	647223.76	375502
WP375505	0.31	68.37	34.74	645718.95	375503
WP375506	4.64	68.07	34.65	644840.32	375731
WP375531	0.78	70.00	34.59	647223.76	375502
WP375532	0.31	68.37	34.74	645718.95	375503
WP375533	4.64	68.07	34.65	644840.32	375731
WP375601	1.25	70.73	34.57	649805.67	375503
WP375701	5.39	68.84	34.66	644126.32	CON102
WP375731	5.39	68.84	34.66	644126.32	CON102
WP375801	6994.65	69.94	31.39	606295.51	421251
WP375901	7021.61	69.92	31.40	597853.23	P37611
WP375902	0.14	70.00	34.41	594863.23	CON108
WP375903	0.07	70.00	34.41	595041.73	375902
WP375931	0.14	70.00	34.41	594863.23	CON108
WP375932	0.07	70.00	34.41	595041.73	375902
WP376001	7039.68	69.92	31.41	592780.45	376101
WP376101	7039.82	69.92	31.41	591861.39	100041
WP376102	7025.49	69.92	31.40	594470.70	376001
WP376131	7039.82	69.92	31.41	591861.39	100041
WP376201	5266.71	69.92	30.57	686691.36	CON110
WP376231	1.76	56.26	36.02	611843.73	CON108
WP376301	7105.69	69.84	31.45	584843.04	376402
WP376302	166.28	59.68	34.05	705834.67	W12432
WP376331	165.87	59.62	34.05	706149.20	376302
WP376401	7108.32	69.84	31.45	582476.36	376504
WP376402	7108.20	69.84	31.45	583064.14	376401
WP376501	7111.50	69.84	31.45	579600.73	376601
WP376502	7111.25	69.84	31.45	580255.51	376501
WP376503	7111.09	69.84	31.45	581119.42	376502
WP376504	7110.98	69.84	31.45	581769.29	376503
WP376601	7111.58	69.84	31.45	579312.76	CON109
WP376602	7435.49	69.88	31.58	577876.98	376603
WP376603	7463.99	69.88	31.60	576686.70	376604
WP376604	7464.20	69.88	31.60	575967.79	376605
WP376605	7464.29	69.88	31.60	575403.70	376901
WP376701	0.39	69.89	34.57	626950.23	522731
WP376702	0.08	70.00	34.61	625667.23	376733
WP376703	0.86	70.00	34.58	625093.32	CON109
WP376704	0.05	70.00	34.61	625500.57	376733
WP376705	0.54	70.00	34.56	625674.17	376733
WP376731	0.39	69.89	34.57	626950.23	522731
WP376732	0.08	70.00	34.61	625667.23	376733
WP376733	0.86	70.00	34.58	625093.32	CON109
WP376734	0.05	70.00	34.61	625500.57	376733
WP376735	0.54	70.00	34.56	625674.17	376733
WP376801	0.55	70.00	34.49	591308.29	CON109
WP376831	0.55	70.00	34.49	591308.29	CON109
WP376901	7466.93	69.88	31.60	574770.57	507721
WP377001	7480.47	69.87	31.61	565032.26	377102
WP377002	7480.44	69.87	31.61	565244.26	377001
WP377101	7517.27	69.81	31.63	561579.90	377201
WP377102	7517.25	69.81	31.63	561832.34	377101
WP377103	2.23	61.88	35.50	562148.89	377102
WP377201	7517.36	69.81	31.63	561308.69	377307
WP377202	7517.49	69.81	31.63	560416.22	377306
WP377203	7517.92	69.81	31.63	559673.65	377401
WP377302	7535.11	69.81	31.63	557295.18	377502
WP377303	7534.70	69.81	31.63	558308.95	377503
WP377304	1.19	69.88	35.44	559032.75	377303
WP377305	7517.90	69.81	31.63	559771.28	377203
WP377306	7517.51	69.81	31.63	560294.92	377305
WP377307	7517.43	69.81	31.63	560780.14	377202
WP377332	1.19	69.88	35.44	559032.75	377303
WP377401	7533.33	69.81	31.63	559209.22	377303
WP377501	7535.48	69.81	31.63	555786.35	1008
WP377502	7535.17	69.81	31.63	557185.71	377501
WP377503	7534.71	69.81	31.63	558268.52	377302
WP378301	419.93	69.72	31.07	847104.28	226501

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WP378302	419.52	69.72	31.07	847873.44	226505
WP380801	22.78	80.17	29.45	1110924.06	380851
WP380802	22.78	80.17	29.45	1110924.06	380851
WP380803	36.41	79.32	29.40	1109238.72	384402
WP380831	22.78	80.17	29.45	1110924.06	380851
WP380901	1.22	66.02	32.39	812769.04	380934
WP380902	3.75	63.21	32.12	813752.23	380934
WP380903	19.51	66.24	31.94	813602.32	380934
WP380904	29.31	64.98	32.06	810230.79	CON074
WP380905	4.04	66.90	32.00	814969.07	380933
WP380906	8.21	64.55	31.88	817118.01	380933
WP380931	1.22	66.02	32.39	812769.04	380934
WP380932	3.75	63.21	32.12	813752.23	380934
WP380933	19.51	66.24	31.94	813602.32	380934
WP380934	29.31	64.98	32.06	810230.79	CON074
WP380935	4.04	66.90	32.00	814969.07	380933
WP380936	8.21	64.55	31.88	817118.01	380933
WP381301	237.26	77.97	17.48	1992341.00	368231
WP382631	2020.14	71.68	29.29	951555.51	286901
WP384401	54.73	78.65	29.32	1101993.66	357501
WP384402	40.38	79.09	29.37	1105907.63	384401
WP384403	40.38	79.09	29.37	1105907.63	384401
WP384404	40.38	79.09	29.37	1105907.63	384401
WP384431	40.38	79.09	29.37	1105907.63	384401
WP385101	2.26	85.00	31.86	936371.19	CON050
WP385102	2.01	85.00	31.86	936647.31	385101
WP385131	2.26	85.00	31.86	936371.19	CON050
WP385132	2.01	85.00	31.86	936647.31	385101
WP386201	36.47	82.32	32.49	1049934.50	CON045
WP388031	0.08	85.00	29.25	1092442.47	357401
WP390001	13.20	70.63	30.62	920825.06	CON211
WP390002	13.20	70.63	30.62	920825.06	CON211
WP390201	25.51	66.43	28.98	1100440.25	360431
WP390231	25.51	66.43	28.98	1100440.25	360431
WP391301	13.90	50.78	33.65	716146.70	373403
WP391331	13.90	50.78	33.65	716146.70	373403
WP391501	300.67	77.08	17.82	1946370.09	368801
WP393401	0.71	80.85	30.12	1090344.95	350331
WP393431	0.71	80.85	30.12	1090344.95	350331
WP39360120434.33		72.23	27.00	668686.70	CON217
WP39360220417.50		72.23	26.99	673989.92	393601
WP39360320416.94		72.23	26.99	674173.33	393602
WP393901	15.05	61.74	31.63	914893.87	409201
WP393931	15.05	61.74	31.63	914893.87	409201
WP397131	4.99	60.53	33.66	721107.14	511831
WP398501	237.27	77.16	18.19	1944689.50	BSLU07
WP39990114274.23		73.14	24.74	1137811.94	BRPP27
WP40000114322.71		73.06	24.77	1129262.72	400102
WP40010114348.44		73.02	24.78	1118099.97	CON040
WP40010214347.59		73.03	24.78	1118254.78	400101
WP400201	9.68	79.24	32.16	1157119.88	400451
WP400231	9.68	79.24	32.16	1157119.88	400451
WP400301	3.41	78.49	32.05	1157094.16	400302
WP400302	3.45	78.55	32.05	1156749.00	400451
WP400331	3.38	78.43	32.05	1157284.50	400301
WP400401	242.12	69.64	31.45	1130672.28	CON040
WP400431	100.44	76.11	31.72	1132810.22	400432
WP400432	242.12	69.64	31.45	1130672.28	CON040
WP400501	1.47	63.39	32.11	1104392.53	CON190
WP40050214672.35		72.93	24.93	1109275.81	CON190
WP40050314617.03		72.94	24.90	1114655.34	400502
WP400504	1.37	63.31	32.11	1104766.28	400501
WP400505	1.02	51.67	32.60	1154776.88	399901
WP400531	1.02	51.67	32.60	1154776.88	399901
WP400532	1.37	63.31	32.11	1104766.28	400501
WP400601	9.66	73.95	31.84	1090364.47	400701
WP400602	9.54	74.06	31.85	1090795.41	105852
WP400701	10.25	73.58	31.84	1088995.69	CON042
WP400702	12.61	63.71	33.39	727520.95	400703
WP400703	15.92	61.55	33.40	725573.36	W12441
WP40080114736.75		72.94	24.96	1078105.00	401101
WP40090114736.39		72.94	24.96	1078648.28	400801
WP40100114736.39		72.94	24.96	1078648.28	400801
WP40110114794.07		72.94	24.98	1045032.78	401202
WP40111131649.20		71.08	29.23	406716.50	401621
WP40112131648.47		71.08	29.23	408211.50	401111
WP401201	636.98	68.43	30.22	1043088.06	CON044
WP40120214796.82		72.94	24.98	1042829.88	401301
WP401203	3742.08	70.03	30.49	706422.31	P40122
WP401300	0.10	73.30	30.80	1032703.59	40130A
WP40130114797.05		72.94	24.98	1042106.06	CON189
WP40130215444.07		72.76	25.20	1039187.97	401303
WP40130315449.42		72.75	25.21	1034651.53	401304
WP40130415452.30		72.75	25.21	1031412.81	CON045

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WP401305	0.01	78.00	30.47	1043428.31	401306
WP401306	0.07	78.96	30.47	1043244.91	CON189
WP401307	0.05	78.00	30.47	1043063.53	401308
WP401308	0.07	78.00	30.47	1042925.47	CON189
WP401309	0.10	78.00	30.47	1034201.81	401304
WP40130A	1.45	72.24	30.88	1030823.00	CON045
WP40131120582.25		72.23	27.05	629955.29	401411
WP40131220698.39		72.25	27.09	625569.11	424601
WP40132120581.94		72.23	27.05	630374.39	401311
WP40132220697.85		72.25	27.09	627698.08	401312
WP401331	0.01	78.00	30.47	1043428.31	401306
WP401332	0.07	78.96	30.47	1043244.91	CON189
WP401333	0.05	78.00	30.47	1043063.53	401308
WP401334	0.07	78.00	30.47	1042925.47	CON189
WP401335	0.10	78.00	30.47	1034201.81	401304
WP401336	0.10	73.30	30.80	1032703.59	40130A
WP401337	1.45	72.24	30.88	1030823.00	CON045
WP401401	13.80	77.64	29.09	1134738.03	401501
WP401402	13.80	77.64	29.09	1134738.03	401501
WP401403	13.80	77.64	29.09	1134738.03	401501
WP401404	13.80	77.64	29.09	1134738.03	401501
WP401405	13.80	77.64	29.09	1134738.03	401501
WP40141120582.66		72.23	27.05	628831.17	CON113
WP40142120567.62		72.23	27.05	643807.89	556321
WP401431	13.80	77.64	29.09	1134738.03	401501
WP401501	15.89	76.05	29.12	1133401.91	402003
WP401502	5409.94	69.91	30.67	656136.57	401504
WP401503	5410.25	69.91	30.67	654501.48	401505
WP401601	0.16	85.06	29.33	1133205.47	401931
WP401602	0.14	71.80	40.51	405922.81	401603
WP401603	0.72	71.50	40.51	403768.97	401611
WP40161131653.68		71.08	29.23	402324.22	CON232
WP40161231641.98		71.08	29.23	411750.88	528521
WP40162131649.20		71.08	29.23	406647.47	401611
WP40162230159.93		71.36	28.83	417541.64	CON130
WP401631	0.16	85.06	29.33	1133205.47	401931
WP401632	0.14	71.80	40.51	405922.81	401603
WP401633	0.72	71.50	40.51	403768.97	401611
WP4016P1	1.91	69.45	40.43	428842.52	CON231
WP401701	3.53	72.64	29.37	1132243.94	401931
WP40170230156.71		71.36	28.83	422307.54	528511
WP401731	3.53	72.64	29.37	1132243.94	401931
WP401801	3.53	72.64	29.37	1132243.94	401931
WP401831	3.53	72.64	29.37	1132243.94	401931
WP401901	24.36	65.03	29.65	1116798.88	402003
WP401931	24.36	65.03	29.65	1116798.88	402003
WP402001	83.94	62.51	29.55	1111680.75	402201
WP402002	83.84	62.53	29.55	1112083.09	402001
WP402003	83.52	62.58	29.54	1112882.88	402002
WP402101	0.03	89.83	30.00	1106239.13	402201
WP402201	106.10	60.82	29.66	1103696.81	W12301
WP402301	0.18	73.43	30.05	1127138.50	W12301
WP402331	0.18	73.43	30.05	1127138.50	W12301
WP402401	6.93	67.16	30.14	1092724.91	W12301
WP402402	0.94	73.89	30.16	1095434.72	W12301
WP402403	3574.72	69.90	30.32	723597.25	LEBE49
WP402431	6.93	67.16	30.14	1092724.91	W12301
WP402432	0.94	73.89	30.16	1095434.72	W12301
WP402502	4.27	78.05	30.17	1102438.34	402731
WP402531	4.27	78.05	30.17	1102438.34	402731
WP402601	4.27	78.05	30.17	1102438.34	402731
WP402631	4.27	78.05	30.17	1102438.34	402731
WP402701	13.86	76.78	30.14	1093832.28	W12301
WP402731	13.86	76.78	30.14	1093832.28	W12301
WP402801	65.23	67.50	30.30	1097096.38	W12301
WP402802	64.98	67.47	30.30	1097746.25	402801
WP402803	0.10	74.00	30.20	1098084.47	402801
WP402831	0.10	74.00	30.20	1098084.47	402801
WP402901	0.55	74.00	30.44	1084578.88	W12301
WP402931	0.55	74.00	30.44	1084578.88	W12301
WP403031	1.30	74.37	30.71	1074705.72	403131
WP403101	463.57	66.88	30.13	1069772.19	W12302
WP403102	634.19	68.40	30.22	1044585.09	401201
WP403131	463.57	66.88	30.13	1069772.19	W12302
WP403132	634.19	68.40	30.22	1044585.09	401201
WP403201	471.51	67.01	30.14	1063117.78	403301
WP403301	474.28	67.09	30.15	1058426.53	403701
WP403331	0.0032	74.00	30.63	1059111.94	403301
WP403332	0.07	74.05	30.77	1059192.81	403301
WP403333	0.03	74.11	30.80	1059342.72	403332
WP403401	15.20	68.09	30.31	1080342.59	403501
WP403501	36.40	69.53	30.29	1078573.50	403701
WP403601	0.82	74.22	30.40	1075285.72	403701
WP403631	0.82	74.22	30.40	1075285.72	403701

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WP403701	570.80	68.00	30.18	1057059.78	PPSA28
WP403801	577.94	68.10	30.19	1051268.09	403132
WP403802	577.84	68.10	30.19	1051848.94	403801
WP403803	575.84	68.06	30.19	1052203.91	403802
WP403901	62.87	79.40	32.23	1044429.94	CON045
WP403931	62.87	79.40	32.23	1044429.94	CON045
WP404001	0.14	73.67	32.36	1059449.81	386201
WP404002	0.12	74.00	32.36	1058397.59	386201
WP404031	0.14	73.67	32.36	1059449.81	386201
WP404032	0.12	74.00	32.36	1058397.59	386201
WP404101	0.27	82.92	32.39	1057259.59	386201
WP404131	0.27	82.92	32.39	1057259.59	386201
WP404201	0.78	81.64	32.44	1055776.44	386201
WP40420220535.19		72.24	27.03	652559.45	434602
WP404231	0.78	81.64	32.44	1055776.44	386201
WP404301	3.56	79.55	30.58	1018333.09	CON046
WP404331	3.56	79.55	30.58	1018333.09	CON046
WP40440115723.90		72.83	25.32	1001540.06	BRDE29
WP40440215722.75		72.83	25.32	1002735.25	404401
WP40450115764.23		72.85	25.34	995107.81	404601
WP40450215764.05		72.85	25.34	995548.56	404501
WP40460115764.36		72.85	25.34	994609.88	404703
WP40470115769.50		72.85	25.34	993051.94	CON047
WP40470215769.17		72.85	25.34	993654.44	404701
WP40470315764.60		72.85	25.34	994266.75	404702
WP404801	11.75	58.67	30.54	1019718.47	CON047
WP404802	11.75	58.67	30.54	1019718.47	CON047
WP404831	11.75	58.67	30.54	1019718.47	CON047
WP404901	2.06	71.80	30.67	1008687.34	404902
WP404902	2.36	73.26	30.67	1008549.28	405002
WP404931	2.06	71.80	30.67	1008687.34	404902
WP404932	2.36	73.26	30.67	1008549.28	405002
WP405001	4.42	69.43	30.65	1007251.56	CON047
WP405002	4.31	69.39	30.65	1007504.00	405001
WP405031	4.42	69.43	30.65	1007251.56	CON047
WP405032	4.31	69.39	30.65	1007504.00	405001
WP40510115860.87		72.84	25.37	983645.25	CON048
WP40520115921.60		72.88	25.40	976577.35	021701
WP405331	4.81	85.15	32.19	982585.94	405332
WP405332	5.29	85.45	32.15	981659.94	CON048
WP40540115962.57		72.89	25.42	967302.63	CON191
WP405501	26.02	83.17	32.11	967006.88	411401
WP405601	4.73	82.72	30.75	982757.50	CON049
WP405631	4.73	82.72	30.75	982757.50	CON049
WP40570116181.04		72.97	25.50	922856.15	515651
WP405831	0.89	82.90	31.42	960994.22	CON193
WP405832	0.71	82.96	31.42	961287.10	405831
WP405833	0.12	89.95	31.42	961410.44	CON192
WP405834	0.05	90.00	31.42	961748.66	405833
WP40590116181.04		72.97	25.50	922856.15	515651
**WP40600116181.04		72.97	25.50	922856.15	515651
WP40600116128.00		69.81	31.14	922856.15	515651
WP40610116181.04		72.97	25.50	922856.15	515651
WP40620116181.04		72.97	25.50	922856.15	515651
WP40630116181.04		72.97	25.50	922856.15	515651
WP406302	0.05	65.92	35.98	597123.17	CON218
WP406331	0.05	65.92	35.98	597123.17	CON218
WP40640116181.04		72.97	25.50	922856.15	515651
WP406431	156.98	78.13	17.19	2034123.84	P40641
WP40650116181.04		72.97	25.50	922856.15	515651
WP406631	0.23	72.00	31.61	942456.41	CON194
WP40670116181.04		72.97	25.50	922856.15	515651
WP40680116181.04		72.97	25.50	922856.15	515651
WP406901	5.14	84.96	31.89	937221.20	CON050
WP406931	5.14	84.96	31.89	937221.20	CON050
WP40700116181.04		72.97	25.50	922856.15	515651
WP40710116181.04		72.97	25.50	922856.15	515651
WP40720116242.33		73.01	25.52	914054.84	407601
WP40720216238.08		73.01	25.52	917305.06	407201
WP40720316183.78		72.98	25.50	920301.15	CON062
WP40730116183.67		72.98	25.50	920698.59	407401
WP40740116183.74		72.98	25.50	920520.09	407203
WP40751120917.22		72.24	27.18	577083.48	P40761
WP40752120913.95		72.24	27.17	581283.04	407511
WP407531	1.19	83.85	32.17	931663.21	CON062
WP40760116278.13		72.99	25.54	894034.93	407702
WP40770116281.07		72.99	25.54	892052.65	407801
WP40770216280.54		72.99	25.54	892623.68	407701
WP40780116281.14		72.99	25.54	891781.43	407901
WP40780221441.44		72.14	27.40	569136.26	CON117
WP40780321672.22		72.12	27.48	567069.39	407851
WP40790116281.14		72.99	25.54	891740.99	408001
WP407931	0.18	78.00	31.15	892524.87	408001
WP40800116284.41		72.99	25.54	890846.46	408002

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WP40800216284.86	72.99	25.54	889873.09	408003
WP40800316286.78	72.99	25.54	887623.65	408101
WP40800429416.61	71.47	28.61	509470.61	408051
WP40810116287.10	72.99	25.54	886592.24	408102
WP40810216287.44	72.99	25.54	886254.02	408201
WP40820116287.90	72.99	25.54	884895.06	408202
WP40820216288.67	72.99	25.54	883700.71	408203
WP40820316288.78	72.99	25.54	883465.02	408301
WP40830116289.60	72.99	25.54	882017.40	BRGR30
WP408401	63.55	57.71	937967.06	CON200
WP408402	0.28	75.72	937969.09	CON200
WP408403	0.27	75.61	938123.90	408402
WP408431	0.28	75.72	937969.09	CON200
WP408432	0.27	75.61	938123.90	408402
WP408501	2.43	61.47	937973.99	CON200
WP408531	2.43	61.47	937973.99	CON200
WP408601	33.21	55.62	930090.56	CON200
WP408701	10.38	60.03	924290.24	CON199
WP408702	3.37	69.24	926347.31	408701
WP408703	3.08	69.17	927140.15	408702
WP408704	2.79	69.09	927790.02	408703
WP408705	1.12	61.60	926663.87	408701
WP408731	2.79	69.09	927790.02	408703
WP408732	1.12	61.60	926663.87	408701
WP408801	171.19	56.93	914247.21	CON198
WP408901	39.46	58.53	912980.96	CON197
WP408902	37.98	58.92	913809.34	408901
WP409001	3.80	74.82	914345.68	409201
WP409031	3.80	74.82	914345.68	409201
WP409101	8.92	62.66	917381.87	393931
WP409131	8.92	62.66	917381.87	393931
WP4091P1	598.10	70.64	681805.70	374801
WP409201	34.84	66.23	910372.49	409301
WP409301	42.57	64.94	901873.02	CON196
WP409401	332.92	58.91	892374.46	409501
WP409402	332.41	58.89	893317.21	409401
WP409501	361.71	59.21	881983.40	PAGR31
WP409511	5266.61	69.92	687226.86	376201
WP409521	5266.24	69.92	689414.20	409511
WP409631	427.66	59.41	867370.77	CON073
WP409701	3.50	79.44	873708.62	018541
WP409702	58.83	77.70	870837.06	546031
WP409731	3.50	79.44	873708.62	018541
WP409732	58.83	77.70	870877.49	409702
WP40980116838.67	72.65	25.72	858813.77	409901
WP40990116892.23	72.63	25.74	848806.27	CON064
WP41000116908.75	72.63	25.74	842182.49	W12041
WP410131	4.38	80.41	847296.56	CON065
WP41020116921.05	72.63	25.75	837376.02	W12032
WP41020216954.92	72.64	25.76	834418.68	410301
WP410203	16.64	60.23	833119.77	410301
WP41030116977.68	72.63	25.77	830831.09	410302
WP41030216979.75	72.63	25.77	830157.52	410303
WP41030316981.07	72.63	25.77	829622.02	410304
WP41030416981.26	72.63	25.77	829224.59	410305
WP41030516982.01	72.63	25.77	828660.49	410306
WP41030616982.28	72.63	25.77	828062.90	410401
WP41040116987.36	72.62	25.77	823514.96	410402
WP41040216998.71	72.63	25.78	821530.99	410403
WP41040316998.97	72.63	25.78	820778.59	410404
WP41040417000.04	72.63	25.78	819803.18	410405
WP41040517015.85	72.63	25.78	818879.21	410406
WP41040617021.16	72.63	25.79	815733.56	410407
WP41040717023.40	72.63	25.79	814793.68	410408
WP41040817023.63	72.63	25.79	814322.31	CON066
WP41040917025.19	91.41	32.80	812372.68	CON066
WP410501	67.97	74.70	847698.06	W12282
WP410601	97.70	76.09	840042.52	W12281
WP410602	97.70	76.09	840042.52	W12281
WP410631	97.70	76.09	840042.52	W12281
WP410701	64.36	78.80	839443.74	CON195
WP410801	7.46	51.08	809207.40	410802
WP410802	7.85	51.14	808821.81	CON067
WP410803	4.37	65.32	804365.40	CON067
WP410901	43.18	64.17	813595.27	411001
WP410911	5409.63	69.91	657210.45	P40151
WP410921	5408.91	69.91	658725.07	410911
WP410931	43.18	64.17	813595.27	411001
WP411001	44.60	64.27	811564.77	CON068
WP411101	0.36	61.00	815698.52	CON068
WP411131	0.36	61.00	815698.52	CON068
WP411201	1.08	55.52	808415.06	CON068
WP411231	1.08	55.52	808415.06	CON068
WP411301	8.87	61.50	785747.43	411302

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WP411302	9.16	61.60	33.18	785264.21	411303
WP411303	9.32	61.80	33.19	784493.02	CON069
WP411331	8.87	61.50	33.18	785747.43	411302
WP411332	9.16	61.60	33.18	785264.21	411303
WP411333	9.32	61.80	33.19	784493.02	CON069
WP411401	27.15	83.15	32.09	965661.79	CON191
WP411501	50.53	85.08	24.14	1760165.59	411601
WP411531	50.53	85.08	24.14	1760165.59	411601
WP411601	207.95	75.92	23.87	1709551.40	411701
WP411701	208.00	75.92	23.87	1709263.53	411801
WP411801	208.52	75.92	23.87	1708152.47	411901
WP411901	208.85	75.93	23.87	1707738.47	CON021
WP411931	208.85	75.93	23.87	1707738.47	CON021
WP412001	527.06	75.56	23.65	1691170.00	412101
WP412031	527.06	75.56	23.65	1691170.00	412101
WP412101	547.38	75.24	23.67	1689789.37	412231
WP412131	547.38	75.24	23.67	1689789.37	412231
WP412201	565.94	75.23	23.68	1686765.03	412331
WP412231	565.94	75.23	23.68	1686765.03	412331
WP412301	643.91	74.92	23.72	1675478.59	412402
WP412331	643.91	74.92	23.72	1675478.59	412402
WP412401	692.53	74.69	23.75	1662418.15	412501
WP412402	692.53	74.69	23.75	1662475.34	412401
WP412431	0.53	50.77	31.22	872674.94	223501
WP412501	692.72	74.69	23.75	1661901.43	412602
WP412531	692.72	74.69	23.75	1661901.43	412602
WP412601	693.99	74.69	23.75	1658894.68	412701
WP412602	692.92	74.69	23.75	1661137.18	412601
WP412631	693.99	74.69	23.75	1658894.68	412701
WP412632	692.92	74.69	23.75	1661137.18	412601
WP412701	747.98	74.24	23.78	1646180.25	CON022
WP412801	49.83	70.67	24.36	1722477.59	103732
WP412831	49.83	70.67	24.36	1722477.59	103732
WP412901	48.22	71.70	24.07	1696952.40	CON022
WP412931	48.22	71.70	24.07	1696952.40	CON022
WP413001	106.54	68.72	24.76	1696668.15	CON022
WP413031	106.54	68.72	24.76	1696668.15	CON022
WP4130P1	0.36	59.35	33.84	727841.76	300401
WP413201	1322.84	73.19	24.06	1607306.03	CFHA14
WP413202	1318.07	73.24	24.05	1608868.03	413201
WP413301	1463.11	73.38	24.11	1589915.40	CON024
WP413302	1463.01	73.38	24.11	1590453.78	413301
WP413331	1463.11	73.38	24.11	1589915.40	CON024
WP413401	2.00	71.07	24.70	1652618.78	CON164
WP413431	2.00	71.07	24.70	1652618.78	CON164
WP413501	5.77	70.41	25.07	1638509.00	CON165
WP413531	5.77	70.41	25.07	1638509.00	CON165
WP413601	3.11	76.31	25.04	1579600.31	CON024
WP413631	3.11	76.31	25.04	1579600.31	CON024
WP413701	1700.00	73.77	24.21	1576519.62	413801
WP413801	1720.30	73.59	24.22	1571084.09	413901
WP413901	1720.46	73.59	24.22	1570467.72	414001
WP413931	1720.46	73.59	24.22	1570467.72	414001
WP414001	1722.28	73.59	24.22	1566205.72	CON025
WP414101	477.63	79.03	25.26	1563092.37	414102
WP414102	477.64	79.03	25.26	1562868.53	CON025
WP414103	477.64	79.03	25.26	1562868.53	CON025
WP414201	100.49	73.17	26.09	1645696.53	414331
WP414231	100.49	73.17	26.09	1645696.53	414331
WP414301	146.25	73.89	25.98	1611047.59	414634
WP414331	146.25	73.89	25.98	1611047.59	414634
WP414401	0.41	70.56	25.47	1628640.06	414331
WP414431	0.41	70.56	25.47	1628640.06	414331
WP414501	0.01	90.00	25.08	1619078.90	414634
WP414531	0.01	90.00	25.08	1619078.90	414634
WP414601	258.20	77.39	25.54	1590033.00	414701
WP414602	258.15	77.39	25.54	1590804.18	414601
WP414603	256.65	77.34	25.54	1591218.37	414602
WP414604	256.63	77.34	25.54	1591551.68	414603
WP414631	258.20	77.39	25.54	1590033.00	414701
WP414632	258.15	77.39	25.54	1590804.18	414601
WP414633	256.65	77.34	25.54	1591218.37	414602
WP414634	256.63	77.34	25.54	1591551.68	414603
WP4146P1	407.74	57.43	20.79	1805023.06	W12411
WP414701	260.51	77.45	25.53	1586278.75	414702
WP414702	260.78	77.46	25.53	1585957.28	414703
WP414703	260.81	77.46	25.53	1585790.62	414801
WP414801	260.83	77.46	25.53	1585531.25	414901
WP414901	261.04	77.46	25.53	1584386.31	W12361
WP415001	44.76	77.82	25.35	1606626.72	415431
WP415031	44.76	77.82	25.35	1606626.72	415431
WP415101	471.20	79.01	25.26	1570292.09	414101
WP415131	471.20	79.01	25.26	1570292.09	414101
WP415201	58.41	80.18	24.91	1597896.47	415551

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WP415202	58.41	80.18	24.91	1597896.47	415551
WP415231	58.41	80.18	24.91	1597896.47	415551
WP415301	58.88	80.26	24.90	1596532.59	415431
WP415302	122.47	80.33	25.04	1595292.06	415501
WP415331	58.88	80.26	24.90	1596532.59	415431
WP415401	122.47	80.33	25.04	1595292.06	415501
WP415431	122.47	80.33	25.04	1595292.06	415501
WP415501	127.83	80.67	25.02	1588302.31	415601
WP415601	128.01	80.67	25.02	1587814.18	415602
WP415602	128.02	80.67	25.02	1587728.40	415701
WP415701	128.07	80.67	25.02	1587388.15	W12361
WP415801	0.42	76.36	24.63	1596617.53	W12361
WP415802	28.97	78.99	24.65	1595555.50	W12361
WP415831	0.42	76.36	24.63	1596617.53	W12361
WP415901	0.19	78.21	24.64	1592539.78	W12361
WP415931	0.19	78.21	24.64	1592539.78	W12361
WP416031	2.06	88.37	24.55	1591585.18	W12361
WP416101	471.20	79.01	25.26	1570292.09	414101
WP416131	471.20	79.01	25.26	1570292.09	414101
WP416201	2232.71	74.43	24.46	1560252.28	416202
WP416202	2232.73	74.43	24.46	1559992.90	416301
WP416301	2235.31	74.43	24.46	1559476.18	CFNU16
WP416401	50.68	77.58	25.18	1579257.18	416501
WP416501	52.23	77.80	25.17	1577348.00	416601
WP416502	471.20	79.01	25.26	1570292.09	414101
WP416531	52.23	77.80	25.17	1577348.00	416601
WP416601	53.61	77.86	25.17	1576703.03	416731
WP416611	245.31	68.94	33.82	661467.54	CON102
WP416621	245.01	68.93	33.82	662279.17	416611
WP416701	67.09	78.86	25.18	1571261.40	426602
WP416731	67.09	78.86	25.18	1571261.40	426602
WP416801	5757.97	73.75	25.66	1289082.04	CON036
WP416802	5757.60	73.75	25.66	1289455.79	416801
WP416803	5757.06	73.74	25.66	1290233.92	416802
WP416804	5757.02	73.74	25.66	1290560.29	416803
WP416901	176.37	76.65	25.53	1556365.72	417001
WP417001	178.01	76.64	25.53	1554823.34	417002
WP417002	179.82	76.68	25.53	1553630.18	417051
WP417003	190.94	76.59	25.55	1551896.62	CON026
WP417111	2451.71	74.50	24.56	1547490.47	417201
WP417121	2449.29	74.50	24.55	1549677.81	417111
WP417131	0.16	80.91	33.39	717935.76	375101
WP417201	2491.57	74.50	24.58	1546104.93	417202
WP417202	2496.16	74.50	24.59	1544623.81	417301
WP417301	2497.13	74.50	24.59	1542636.62	417431
WP417431	2546.10	74.58	24.60	1539477.09	417531
WPLUSUBS	2546.10	74.58	24.60	1539477.09	417531
WPLU-DRY	2546.10	74.58	24.60	1539477.09	417531
WPLU-AVG	2546.10	74.58	24.60	1539477.09	417531
WPLU-WET	2546.10	74.58	24.60	1539477.09	417531
WPLUDPUL	2546.10	74.58	24.60	1539477.09	417531
WPLUAPUL	2546.10	74.58	24.60	1539477.09	417531
WPLUWPUL	2546.10	74.58	24.60	1539477.09	417531
WP417501	2634.91	74.66	24.65	1519915.87	CON029
WP417502	2634.11	74.66	24.65	1521832.00	417501
WP417531	2634.11	74.66	24.65	1521832.00	417501
WP417601	2.32	84.31	24.87	1515913.09	417701
WP417631	2.32	84.31	24.87	1515913.09	417701
WP417701	217.99	80.89	24.97	1498778.62	417803
WP417702	0.30	76.91	25.32	1500642.47	417701
WP417731	0.30	76.91	25.32	1500642.47	417701
WP417801	218.83	80.91	24.97	1497081.43	W12352
WP417802	218.57	80.90	24.97	1497748.06	417801
WP417803	218.16	80.90	24.97	1498312.15	417802
WP417804	2.12	76.42	25.32	1497116.97	W12352
WP417805	0.03	85.00	25.47	1498042.97	417831
WP417831	2.12	76.42	25.32	1497116.97	W12352
WP417832	0.03	85.00	25.47	1498042.97	417831
WP417901	369.05	81.74	25.31	1481990.15	CON027
WP417902	369.05	81.74	25.31	1481990.15	CON027
WP417903	369.05	81.74	25.31	1481990.15	CON027
WP417904	369.05	81.74	25.31	1481990.15	CON027
WP417905	0.61	87.64	24.85	1517473.06	417601
WP417931	369.05	81.74	25.31	1481990.15	CON027
WP417932	0.61	87.64	24.85	1517473.06	417601
WP418001	35.28	73.65	24.10	1594713.09	CON161
WP418031	35.28	73.65	24.10	1594741.68	418001
WP418101	37.95	83.09	24.98	1555212.00	CON162
WP418131	37.95	83.09	24.98	1555212.00	CON162
WP418231	3.15	76.69	25.56	1566157.00	418301
WP418301	11.42	78.63	25.61	1558972.00	418331
WP418331	11.42	78.63	25.61	1558931.56	CON163
WP418401	0.25	87.15	25.98	1501907.53	418402
WP418402	0.55	84.89	25.98	1501148.18	CON028

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WP418431	0.25	87.15	25.98	1501907.53	418402
WP418432	0.55	84.89	25.98	1501148.18	CON028
WP418501	4005.66	76.03	24.93	1404400.07	418502
WP418502	4005.70	76.03	24.93	1404169.29	CFFG18
WP418601	4032.07	75.99	24.94	1399832.17	418701
WP418602	0.07	63.41	27.40	1400210.82	418601
WP418631	0.07	63.41	27.40	1400210.82	418601
WP418701	4194.29	75.46	25.05	1364280.92	418801
WP418801	4197.20	75.45	25.05	1356504.07	418921
WP418911	4210.80	75.45	25.06	1353061.48	419101
WP418921	4210.58	75.45	25.06	1353958.89	419001
WP419001	4210.66	75.45	25.06	1353361.29	418911
WP419101	4210.93	75.44	25.06	1352385.04	419201
WP419102	50.08	67.48	27.51	1348330.98	419201
WP419103	49.91	67.49	27.51	1348671.23	419102
WP419104	4266.63	75.35	25.09	1346916.86	CON030
WP419201	4266.40	75.35	25.09	1347778.73	419331
WP419331	4266.45	75.35	25.09	1347652.51	419104
WP419401	15.51	60.81	27.37	1357572.54	CON030
WP419431	15.51	60.81	27.37	1357572.54	CON030
WP419501	4355.08	75.25	25.15	1335761.54	419601
WP419601	4376.82	75.24	25.16	1331405.64	419701
WP419701	4379.07	75.24	25.16	1328967.89	419831
WP419831	4379.55	75.24	25.17	1328028.01	419902
WP419901	4381.24	75.24	25.17	1325397.89	CON035
WP419902	4380.78	75.24	25.17	1326140.48	419901
WP419903	0.0041	78.00	28.35	1325747.95	CON035
WP419931	0.0041	78.00	28.35	1325747.95	CON035
WP420001	4.08	72.22	25.68	1447868.25	420732
WP420131	13.87	77.08	26.10	1447732.72	420401
WP420201	23.01	73.75	26.20	1447709.03	420301
WP420231	23.01	73.75	26.20	1447709.03	420301
WP420301	23.16	73.79	26.20	1447363.87	420401
WP420331	23.16	73.79	26.20	1447363.87	420401
WP420332	0.11	78.52	26.18	1446502.00	420401
WP420401	50.89	74.26	26.12	1437266.87	420501
WP420501	55.61	73.82	26.09	1433709.90	420502
WP420502	56.18	73.82	26.09	1433245.47	420503
WP420503	56.29	73.82	26.09	1432900.31	420732
WP420601	260.84	75.67	23.42	1707443.22	CFRO13
WP420631	260.84	75.67	23.42	1707443.22	CFRO13
WP420701	0.01	74.43	26.65	1405182.76	CON166
WP420702	209.62	70.45	25.98	1405873.07	CON166
WP420731	0.01	74.43	26.65	1405182.76	CON166
WP420732	209.62	70.45	25.98	1405873.07	CON166
WP420801	43.54	71.79	27.11	1404100.76	CON167
WP420831	43.54	71.79	27.11	1404100.76	CON167
WP420901	13.40	67.05	27.66	1368498.42	CON031
WP420931	13.40	67.05	27.66	1368498.42	CON031
WP421001	2.01	59.67	27.77	1363702.95	CON032
WP421031	2.01	59.67	27.77	1363702.95	CON032
WP421101	27.56	72.17	26.73	1408911.29	BSBR20
WP421102	27.56	72.17	26.73	1408911.29	BSBR20
WP421131	27.56	72.17	26.73	1408911.29	BSBR20
WP421201	69.19	64.48	25.86	1413692.73	BSBR20
WP421231	69.19	64.48	25.86	1413692.73	BSBR20
WP421301	1086.78	68.90	26.96	1346789.45	HCBR21
WP421331	1086.78	68.90	26.96	1346789.45	HCBR21
WP421401	83.89	73.79	28.27	1365427.20	421531
WP421431	83.89	73.79	28.27	1365427.20	421531
WP421501	94.72	73.40	28.23	1357437.51	100401
WP421531	94.72	73.40	28.23	1357437.51	100401
WP421601	132.87	73.11	28.09	1347164.04	421602
WP421602	132.95	73.12	28.09	1346928.36	CON033
WP421701	4.13	55.43	27.94	1350087.04	CON033
WP421731	4.13	55.43	27.94	1350087.04	CON033
WP421801	1284.51	69.15	27.12	1329942.95	421802
WP421802	1284.75	69.15	27.12	1329150.11	421901
WP421811	62.47	76.72	33.72	741634.64	421812
WP421812	62.89	76.71	33.72	741146.51	294501
WP421821	57.46	77.33	33.69	742467.92	421811
WP421822	62.47	76.72	33.72	741634.64	421812
WP421901	1285.89	69.13	27.13	1327978.61	422001
WP421902	1286.98	69.12	27.13	1326845.51	422102
WP422001	1286.89	69.12	27.13	1327328.73	421902
WP422101	5669.74	73.85	25.61	1324239.07	422201
WP422102	1287.01	69.12	27.13	1326519.14	CON035
WP422201	5675.38	73.84	25.62	1320311.23	422301
WP422301	5729.41	73.75	25.64	1302029.29	422431
WP422431	5738.16	73.75	25.65	1297865.76	CFEL22
WP422501	5750.08	73.75	25.66	1295171.51	422601
WP422502	5750.05	73.75	25.66	1295419.04	422501
WP422503	5749.96	73.75	25.66	1296128.14	422603
WP422504	5738.30	73.75	25.65	1296996.95	422503

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WP422601	5750.24	73.75	25.66	1294569.01	422701
WP422602	5750.01	73.75	25.66	1295690.26	422502
WP422603	5749.98	73.75	25.66	1295990.07	422602
WP422701	5750.57	73.75	25.66	1293585.82	416804
WP423201	0.54	74.72	42.36	214093.83	CON153
WP423202	0.54	74.72	42.36	214093.83	CON153
WP423203	0.54	74.72	42.36	214093.83	CON153
WP423204	0.54	74.72	42.36	214093.83	CON153
WP423231	0.54	74.72	42.36	214093.83	CON153
WP42460120705.50		72.25	27.09	623900.51	P41081
WP425801	7.44	71.51	33.53	853449.81	100061
WP425831	7.44	71.51	33.53	853449.81	100061
WP426301	3.98	80.52	29.23	1103670.34	352802
WP426331	3.98	80.52	29.23	1103670.34	352802
WP426401	0.65	83.18	29.29	1080953.99	541601
WP426431	0.65	83.18	29.29	1080953.99	541601
WP426601	67.29	78.87	25.18	1570732.84	426603
WP426602	67.12	78.86	25.18	1571089.84	426601
WP426603	67.39	78.88	25.18	1570290.06	476701
WP427901	5602.77	69.90	30.80	633879.07	427951
WP427902	5603.89	69.90	30.80	632141.45	CON107
WP427903	0.59	70.00	34.64	632888.95	427902
WP427931	0.59	70.00	34.64	632888.95	427902
WP42800135068.99		70.60	30.26	262319.41	026651
WP429601	0.47	68.34	39.29	553104.78	CON136
WP429602	0.22	55.91	39.29	551889.96	CON136
WP429603	0.35	62.06	39.29	549825.12	CON136
WP429631	0.47	68.34	39.29	553104.78	CON136
WP429632	0.22	55.91	39.29	551889.96	CON136
WP429633	0.35	62.06	39.29	549825.12	CON136
WP43150117715.94		72.67	26.08	756326.59	431601
WP43160117724.15		72.67	26.09	755331.56	431802
WP43170117726.45		72.67	26.09	752859.46	431801
WP43180117726.58		72.67	26.09	752492.65	BRAQ33
WP43180217725.93		72.67	26.09	753904.74	431701
WP43180317762.05		72.66	26.10	742751.12	P41411
WP431901	5.31	54.95	34.16	751371.40	431902
WP431902	5.38	55.29	34.16	751021.34	BRAQ33
WP43200117754.95		72.66	26.10	744532.06	431803
WP43210117767.87		72.66	26.11	740228.43	432201
WP43220117768.85		72.66	26.11	739381.27	432202
WP43220217768.95		72.66	26.11	739133.74	432301
WP43230117769.35		72.66	26.11	738581.49	432403
WP43240117780.02		72.66	26.11	736239.34	432501
WP43240217778.92		72.66	26.11	736929.65	432401
WP43240317776.29		72.66	26.11	737724.52	432402
WP43250117783.13		72.66	26.11	732464.29	432601
WP43260117783.25		72.66	26.11	732055.02	432701
WP43270117783.32		72.66	26.11	731985.99	432801
WP43280117785.89		72.66	26.11	730373.77	432901
WP43290117874.05		72.65	26.15	729440.86	433201
WP43300117884.22		72.65	26.16	724535.16	CON070
WP43310117884.22		72.65	26.16	724535.16	CON070
WP43320117884.22		72.65	26.16	724535.16	CON070
WP433301	4.17	77.48	35.04	780020.31	106301
WP433331	4.17	77.48	35.04	780020.31	106301
WP433401	299.47	73.69	34.63	748030.94	AQAQ34
WP433431	299.47	73.69	34.63	748030.94	AQAQ34
WP433501	307.18	73.48	34.62	747064.50	CON070
WP433601	12.57	70.35	32.28	711712.45	433902
WP433701	22.53	71.82	33.12	704499.91	433702
WP433702	22.57	71.82	33.12	704292.82	433902
WP43380118362.65		72.65	26.36	700568.10	1005
WP43390120028.11		72.25	26.85	699439.94	434031
WP43390218362.65		72.65	26.36	700568.10	1005
WP43400120057.52		72.27	26.86	692375.90	BRWA41
WP43403120057.52		72.27	26.86	692375.90	BRWA41
WP43420120378.56		72.23	26.98	684673.00	434401
WP434202	38.94	70.02	34.97	696839.25	434421
WP434231	38.94	70.02	34.97	696839.25	434421
WP434331	0.81	66.36	34.25	694218.94	434421
WP434332	0.81	66.36	34.25	694218.94	434421
WP43440120378.66		72.23	26.98	684311.09	393603
WP43440220079.11		72.28	26.87	685641.47	CON112
WP434411	299.08	69.35	34.50	684839.65	CON112
WP434421	298.36	69.35	34.50	686139.40	434411
WP43450120448.92		72.23	27.01	667127.58	P40891
WP434502	13.86	69.40	34.94	668577.23	CON217
WP434531	13.86	69.40	34.94	668577.23	CON217
WP43460120567.59		72.23	27.05	643974.54	401421
WP43460220561.56		72.24	27.05	644245.76	434601
WP434701	4.15	73.90	33.98	673300.64	CON113
WP434731	4.15	73.90	33.98	673300.64	CON113
WP434801	1.09	71.24	33.76	670443.79	CON113

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WP434831	1.09	71.24	33.76	670443.79	CON113
WP434901	0.72	70.00	33.66	668746.95	CON113
WP434902	0.95	70.23	33.74	667758.51	CON113
WP434903	0.40	85.00	33.85	666251.67	CON113
WP434931	0.72	70.00	33.66	668746.95	CON113
WP434932	0.95	70.23	33.74	667758.51	CON113
WP434933	0.40	85.00	33.85	666251.67	CON113
WP435001	1.35	84.56	33.71	662773.89	CON113
WP435031	1.35	84.56	33.71	662773.89	CON113
WP435101	0.77	70.96	33.64	650736.73	CON113
WP435131	0.77	70.96	33.64	650736.73	CON113
WP435201	4.59	70.46	33.85	641122.95	CON113
WP435231	4.59	70.46	33.85	641122.95	CON113
WP435301	2.53	70.21	34.30	636718.33	CON113
WP435331	2.53	70.21	34.30	636718.33	CON113
WP435401	2.53	70.21	34.30	636718.33	CON113
WP435431	2.53	70.21	34.30	636718.33	CON113
**WP435501	1.13	69.87	35.91	624119.45	424601
WP435502	22.60	69.18	36.09	624535.17	P40781
WP435503	43.55	69.39	36.08	630963.70	P40781
WP435531	22.60	69.18	36.09	624535.17	P40781
WP435532	17.94	68.94	36.00	627168.17	435554
WP435533	43.55	69.39	36.08	630963.70	P40781
WP435601	3.02	70.10	35.41	616921.42	CON114
WP435631	3.02	70.10	35.41	616921.42	CON114
WP435731	2.37	72.22	35.84	599831.29	CON115
WP43580120885.23		72.24	27.16	596343.36	435802
WP43580220889.09		72.24	27.16	596083.98	P40631
WP43590120907.05		72.24	27.17	587942.70	407521
WP43590220904.89		72.24	27.17	588200.04	435901
WP436001	81.42	69.80	34.71	601992.23	CON117
WP436002	0.58	70.38	35.10	602204.23	436001
WP436031	0.58	70.38	35.10	602204.23	436001
WP43610121696.75		72.11	27.49	554142.11	436201
WP43620121697.47		72.11	27.49	552939.14	436302
WP43630121699.25		72.11	27.49	549485.54	436404
WP43630221698.67		72.11	27.49	551163.95	436301
WP436303	148.77	68.56	36.45	539512.73	436406
WP436304	148.07	68.56	36.45	540246.36	436303
WP436305	148.07	68.56	36.45	540246.36	436303
WP43640121702.00		72.11	27.49	547428.48	436501
WP43640221701.60		72.11	27.49	547749.95	436401
WP43640321700.41		72.11	27.49	548002.39	436402
WP43640421700.37		72.11	27.49	548266.67	436403
WP436405	149.54	68.57	36.45	537625.20	100462
WP436406	149.30	68.57	36.45	538248.51	436405
WP43650121703.26		72.11	27.50	543884.20	436601
WP43660121703.49		72.11	27.50	543010.48	436702
WP43670121705.91		72.11	27.50	540184.26	547001
WP43670221705.65		72.11	27.50	541522.42	436701
WP43680129348.02		71.49	28.59	525854.70	CON118
WP43680229347.87		71.49	28.59	526218.64	414551
WP436901	0.54	67.48	36.39	535417.39	436902
WP436902	0.57	67.59	36.39	535319.76	CON118
WP436931	0.54	67.48	36.39	535417.39	436902
WP436932	0.57	67.59	36.39	535319.76	CON118
WP43700129426.04		71.47	28.61	505126.89	437002
WP43700229426.07		71.47	28.61	504976.98	437102
WP437003	2.18	75.43	37.64	504619.98	437004
WP437004	2.22	75.34	37.64	504550.95	437102
WP437031	2.18	75.43	37.64	504619.98	437004
WP437032	2.22	75.34	37.64	504550.95	437102
WP43710129429.64		71.47	28.61	503182.17	437201
WP43710229429.59		71.47	28.61	503360.67	437101
WP43720129430.11		71.47	28.61	501515.61	CON119
WP437202	1.33	77.93	37.90	500664.58	CON121
WP437231	1.33	77.93	37.90	500664.58	CON121
WP437331	1.34	58.74	37.03	522830.36	CON119
WP437332	1.30	58.83	37.03	523365.86	437331
WP437431	0.60	59.01	37.95	504339.29	CON119
WP437501	4.04	73.19	36.10	568554.58	028819
WP437502	0.15	77.25	36.10	568880.95	028819
WP437503	0.08	78.00	36.10	569318.83	437502
WP437531	0.15	77.25	36.10	568880.95	028819
WP437532	0.08	78.00	36.10	569318.83	437502
WP437601	3.53	71.24	37.29	554541.92	100462
WP437701	2.30	71.76	37.32	549218.39	437731
WP437731	2.66	71.06	37.30	548799.29	100462
WP437732	2.30	71.76	37.32	549218.39	437731
WP437733	2.06	72.49	37.33	549758.79	437701
WP437831	4.17	61.02	37.99	519410.95	CON121
WP476701	122.78	77.49	25.35	1561562.68	416901
WP500001	2.10	73.72	35.12	702727.72	012671
WP500031	2.10	73.72	35.12	702727.72	012671

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WP500701	99.17	78.31	30.52	895672.66	500702
WP500702	99.31	78.29	30.52	895241.72	222101
WP502801	1.09	69.51	31.38	847599.24	CON064
WP502831	1.09	69.51	31.38	847599.24	CON064
WP505101	20.91	67.85	31.25	867867.28	225406
WP505131	20.91	67.85	31.25	867867.28	225406
WP505201	119.97	76.84	30.47	890371.12	CON207
WP505202	119.95	76.84	30.47	890525.94	505201
WP505331	3.43	57.13	41.70	444582.78	505333
WP505332	4.20	58.60	41.76	442424.03	024608
WP505333	4.07	58.26	41.75	442792.87	024602
WP505334	0.76	66.99	42.01	444425.93	024608
WP505335	0.09	71.73	42.01	444506.81	505333
WP505336	0.42	68.29	42.01	445706.90	505334
WP507301	1.83	83.14	29.63	1075458.55	CON058
WP507331	1.83	83.14	29.63	1075458.55	CON058
WP507601	1327.03	70.89	30.29	716565.98	301001
WP507711	7470.92	69.88	31.60	571676.01	377002
WP507721	7467.27	69.88	31.60	573389.95	507711
WP508131	0.06	59.00	40.35	445041.12	CON143
WP508132	0.05	65.96	40.35	445438.56	CON143
WP508133	0.22	76.83	40.40	447733.34	CON143
WP508501	20076.15	72.28	26.87	687510.22	508551
WP508801	47.13	79.40	33.63	749239.57	508921
WP508911	52.99	77.81	33.66	746891.67	421821
WP508921	49.33	78.97	33.64	747172.70	508911
WP509401	1654.60	67.73	32.24	706867.38	BOWA40
WP509431	1654.60	67.73	32.24	706867.38	BOWA40
WP510631	0.30	68.82	36.15	566557.58	028819
WP511001	2.66	71.85	44.51	145546.17	511002
WP511002	3.09	71.93	44.53	145191.20	CON154
WP511031	2.66	71.85	44.51	145546.17	511002
WP511032	3.09	71.93	44.53	145191.20	CON154
WP511501	54.42	72.67	44.42	118649.21	532601
WP511731	0.35	65.62	36.18	572545.70	028818
WP511732	0.83	71.80	36.29	566249.14	028810
WP511831	5.12	61.36	33.66	720571.64	102641
WP513201	0.07	63.57	41.46	434235.03	CON145
WP513231	2.63	52.95	41.55	436460.78	513232
WP513232	3.26	53.10	41.54	434313.87	CON144
WP513233	2.52	54.97	41.48	443840.18	024605
WP514831	0.23	78.00	36.18	566594.29	436305
WP514832	0.20	78.00	36.10	569949.92	028772
WP514833	0.27	78.00	36.13	568376.08	028819
WP515501	114093.25	73.41	24.66	1165303.13	SHGR26
WP515531	114093.25	73.41	24.66	1165303.13	SHGR26
** FNI change					
WP5155IF14093.25	73.41	24.66		1165303.13	SHGR26
**					
WP515601	116181.04	72.97	25.50	922856.15	515651
WP515631	116181.04	72.97	25.50	922856.15	515651
WP515701	117690.45	72.67	26.07	762391.52	515751
WP515731	117690.45	72.67	26.07	762391.52	515751
WP515801	253.78	73.90	34.62	755591.72	515851
WP515802	253.78	73.90	34.62	755591.72	515851
WP515831	253.78	73.90	34.62	755591.72	515851
WP515901	1280.25	75.04	29.02	1053661.51	515951
WP515931	1280.25	75.04	29.02	1053661.51	515951
WP516001	3567.63	69.91	30.32	729043.63	293701
WP516002	3567.63	69.91	30.32	729043.63	293701
WP516031	3567.63	69.91	30.32	729043.63	293701
WP516032	0.58	60.99	38.52	560427.34	CON134
WP5160P1	1.01	76.13	38.54	558275.53	CON134
WP516101	1313.18	70.95	30.25	728400.95	300401
WP516102	1313.18	70.95	30.25	728400.95	300401
WP516131	1313.18	70.95	30.25	728400.95	300401
WP5161P1	0.96	84.34	29.60	1078892.06	359501
WP516201	246.82	74.59	32.17	713381.73	516251
WP516202	246.82	74.59	32.17	713381.73	516251
WP516231	246.82	74.59	32.17	713381.73	516251
WP5162P1	9.85	77.20	23.35	1612969.75	CON010
WP516301	726.44	71.86	33.09	658009.89	516351
WP516302	726.44	71.86	33.09	658009.89	516351
WP516331	726.44	71.86	33.09	658009.89	516351
WP516401	1007.90	65.41	36.66	447628.53	YCSO62
WP516402	1007.90	65.41	36.66	447628.53	YCSO62
WP516431	1007.90	65.41	36.66	447628.53	YCSO62
WP5164P1	1.81	78.22	32.06	1037331.56	CON045
WP516501	674.83	66.74	38.35	578896.25	CON134
WP516531	674.83	66.74	38.35	578896.25	CON134
** FNI change					
WP5165IF	674.83	66.74	38.35	578896.25	CON134
WP516601	135522.59	70.60	30.42	115780.18	511551
WP516602	1.44	66.53	45.51	123027.27	CON155

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WP51660335433.94	70.60	30.39	169853.61	102581
WP51660435133.88	70.60	30.28	225920.17	292502
WP516701	1.44	66.53	123027.27	CON155
WP51670235387.87	70.60	30.37	195717.14	024431
WP516801	1.44	66.53	123027.27	CON155
WP51680235387.87	70.60	30.37	195717.14	024431
WP51710135387.87	70.60	30.37	195717.14	024431
WP517102	1.44	66.53	123027.27	CON155
WP517301	1.26	69.43	149013.30	511001
WP518701	3.30	76.20	1114771.03	357501
WP518731	3.30	76.20	1114771.03	357501
WP518831	2.93	70.73	677000.42	375231
WP519901	0.36	71.47	130004.34	141001
WP522631	0.88	89.95	647238.48	CON109
WP522731	2.95	69.78	625421.73	CON109
WP524201	5192.02	66.41	1539969.25	CON012
WP525501	0.61	83.11	1092608.28	357501
WP525531	0.61	83.11	1092608.28	357501
WP526001	0.08	85.00	1095156.15	353201
WP526002	5.99	82.74	1094532.84	353201
WP526031	0.08	85.00	1095156.15	353201
WP526032	5.99	82.74	1094532.84	353201
WP526801	0.82	82.07	488191.58	CON122
WP526831	0.82	82.07	488191.58	CON122
WP526901	8.16	68.90	482652.33	526902
WP526902	9.10	68.58	480840.76	CON122
WP527031	0.10	80.93	478299.64	CON122
WP52710130101.59	71.38	28.81	462691.14	P41281
WP527102	78.77	68.97	455646.23	560301
WP527131	78.69	68.97	455715.26	527102
WP527201	9.46	62.45	537911.56	527301
WP527231	9.46	62.45	537911.56	527301
WP527301	10.21	62.07	536721.28	554031
WP527331	10.21	62.07	536721.28	554031
WP527401	0.31	84.27	530341.81	CON224
WP527431	0.31	84.27	530341.81	CON224
WP5274P1	3.44	81.28	1113340.14	CON176
WP527501	0.21	70.00	498426.37	CON125
WP527502	0.19	70.00	498588.12	527501
WP527531	0.21	70.00	498426.37	CON125
WP527532	0.19	70.00	498588.12	527501
WP527601	0.02	59.00	487324.53	CON126
WP527631	0.02	59.00	487324.53	CON126
WP527701	0.72	65.20	468469.19	CON126
WP527731	0.72	65.20	468469.19	CON126
WP527732	0.62	67.28	469095.38	527701
WP527733	0.33	68.92	469490.78	527732
WP527831	1.92	69.54	477263.56	CON126
WP527931	0.06	72.00	460773.22	CON227
WP527932	0.04	72.00	460401.50	CON227
WP527933	0.04	72.00	460606.56	CON128
WP528001	4.49	55.21	458175.25	528051
WP528131	0.58	58.62	496162.34	CON223
WP528201	1908.96	64.99	1607167.38	372431
WP528231	7.36	68.21	489411.15	CON223
WP528232	4.26	65.30	490987.03	528231
WP528331	0.11	91.00	458661.97	CON220
WP528332	0.09	89.55	457316.87	CON221
WP528333	0.31	71.46	458680.75	CON219
WP528334	0.85	62.03	458471.62	CON219
WP528335	0.07	70.65	460823.59	CON220
WP528336	0.01	91.00	458588.03	CON219
WP528401	0.32	60.34	429426.17	CON129
WP528431	0.32	60.34	429426.17	CON129
WP52851130157.48	71.36	28.83	420705.99	528522
WP52851231642.81	71.08	29.23	409568.44	401121
WP52852131642.11	71.08	29.23	411382.03	528512
WP52852230159.48	71.36	28.83	418696.36	401622
WP52861131659.32	71.08	29.23	397064.31	528622
WP52861231662.96	71.08	29.24	391905.75	W12421
WP528613	2241.54	64.42	393566.03	1010
WP52862131659.07	71.08	29.23	397525.88	528611
WP52862231662.48	71.08	29.24	393438.31	528612
WP528623	2201.12	64.45	396385.22	CON231
WP528701	196.66	66.56	640081.78	528831
WP528731	196.66	66.56	640081.78	528831
WP528801	238.37	65.92	628143.43	NAGR64
WP528831	238.37	65.92	628143.43	NAGR64
WP528901	239.74	65.85	626222.40	CON131
WP528931	239.72	65.85	626222.40	CON131
WP529001	0.29	68.40	630730.75	CON131
WP529002	0.05	78.41	379178.63	P52901
WP52900333975.65	70.63	29.92	372119.00	CON149
WP529031	0.29	68.40	630730.75	CON131

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WP529101	6.44	70.95	39.65	620609.37	CON229
WP529131	6.44	70.95	39.65	620609.37	CON229
WP529201	2.75	74.21	39.65	619935.81	CON229
WP529331	2.75	74.21	39.65	619935.81	CON229
WP529332	2.08	74.98	39.65	620966.37	529201
WP529431	5.30	57.98	39.33	611502.50	CON250
WP529501	7.79	62.96	30.23	928658.84	408902
WP529502	4.73	62.11	30.36	925351.09	408902
WP529531	1.02	68.97	39.17	601396.53	CON132
WP529532	4.73	62.11	30.36	925351.09	408902
WP5295P1	7.79	62.96	30.23	928658.84	408902
WP529731	0.76	73.28	38.27	566870.93	CON134
WP529801	46.48	64.61	37.28	570133.00	CON135
WP529831	46.48	64.61	37.28	570133.00	CON135
WP529931	0.31	63.66	39.04	549354.93	CON136
WP530031	7.49	58.51	38.06	541753.37	530131
WP530131	40.94	66.30	38.12	534230.15	CON137
WP530231	2.37	75.74	39.45	529683.06	530331
WP530232	1.24	77.16	39.30	529832.96	530331
WP530233	1.13	76.91	39.29	530354.59	530232
WP530234	0.83	75.19	39.25	530945.25	530233
WP530235	0.19	64.88	39.45	531873.28	530231
WP530331	5.61	69.61	39.43	525044.43	CON138
WP530431	0.32	55.27	41.30	495164.90	CON139
WP530531	0.52	74.41	40.28	479812.56	CON140
WP530631	0.83	54.18	41.73	470376.09	CON141
**Revision. 12/29/05. Revised to correct drainage area of 530701 resulting from location on main stem					
**WP530701	23.87	54.43	41.66	455181.43	CON247
**WP530731	23.87	54.43	41.66	455181.43	CON247
WP530701	1700.82	54.43	41.66	455181.43	CON247
WP530801	0.02	92.00	39.29	470647.31	100241
WP530831	0.02	92.00	39.29	470647.31	100241
WP530931	1.49	84.10	39.25	468030.21	104261
WP531031	0.26	65.89	39.96	453177.84	P53291
WP531101	85.33	61.33	42.46	449261.00	021201
WP531131	85.33	61.33	42.46	449261.00	021201
WP531201	2.27	72.82	41.92	448901.96	024601
WP531231	2.27	72.82	41.92	448901.96	024601
WP531331	0.55	62.89	42.36	444164.53	024608
WP531431	1.09	66.84	39.44	448848.50	CON146
WP531531	2.06	65.29	42.92	398000.47	CON149
WP531631	0.22	75.54	40.92	345628.94	CON149
WP531632	0.03	78.00	40.98	344755.22	CON149
WP531633	0.07	78.00	40.98	344783.81	CON149
WP531634	0.04	78.00	40.98	344486.03	CON149
WP531635	0.03	78.00	40.91	345743.31	CON149
WP531731	6.19	68.21	42.18	331594.44	CON150
WP531831	0.01	46.66	41.89	330946.59	CON150
WP531901	15.96	71.63	41.74	271261.66	CON234
WP531902	14.99	71.74	41.73	272497.28	531901
WP531903	3.12	65.02	38.86	586289.18	026533
WP531904	9.91	66.68	39.21	595264.93	53193C
WP531905	0.84	73.97	39.21	597650.40	531930
WP531906	0.28	68.18	38.86	585344.40	CON133
WP531907	13.17	66.65	39.18	594126.93	02653A
WP531908	1.16	58.83	38.78	584411.46	CON134
WP531930	0.97	74.68	39.21	597121.84	53193C
WP531931	14.99	71.74	41.73	272497.28	531901
WP531932	15.96	71.63	41.74	271261.66	CON234
WP531933	0.43	66.45	38.86	589665.62	531935
WP531934	0.40	65.57	39.17	594317.28	02653A
WP531935	0.61	69.44	38.86	589177.50	CON230
WP531936	0.06	69.57	38.86	588287.03	CON230
WP531937	3.12	65.02	38.86	586289.18	026533
WP531938	9.91	66.68	39.21	595264.93	53193C
WP531939	0.84	73.97	39.21	597650.40	531930
WP53193C	13.17	66.65	39.18	594126.93	02653A
WP53193D	0.06	55.00	38.90	591210.03	026531
WP53193E	1.16	58.83	38.78	584411.46	CON134
WP5319P1	0.17	67.20	39.17	595700.78	P53192
WP5319P2	0.21	77.66	39.17	593862.65	026536
WP5319PA	0.28	68.18	38.86	585344.40	CON133
WP5319PB	0.63	58.62	38.80	585649.12	CON133
WP53200135433	94	70.60	30.39	169853.61	102581
WP53220135522	59	70.60	30.42	115780.18	511551
WP53230135527	80	70.60	30.42	102931.74	CON157
WP532431	0.80	68.22	44.57	126311.68	532601
WP532501	18.39	75.65	44.30	134352.45	010381
WP532502	18.39	75.65	44.30	134352.45	010381
WP532503	18.39	75.65	44.30	134352.45	010381
WP532504	18.39	75.65	44.30	134352.45	010381
WP532505	18.39	75.65	44.30	134352.45	010381
WP532531	18.39	75.65	44.30	134352.45	010381
WP532601	206.54	71.03	44.13	109786.65	CON157

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WP532631	7.35	66.60	44.84	106556.90	CON157
WP532632	0.11	59.00	45.43	105452.40	CON157
WP532633	0.51	67.85	44.72	109626.59	532631
WP5326P1	0.35	65.62	36.18	572545.70	028818
WP5326P2	0.21	64.24	36.18	571109.92	028818
WP53270135842.44		70.60	30.54	90068.59	536601
WP53280135850.23		70.60	30.55	76499.55	P41051
WP53280235958.93		70.59	30.60	40314.84	CON238
WP532804	40.76	68.16	53.24	28630.21	CON238
WP532831	40.76	68.16	53.24	28630.21	CON238
WP53290135956.53		70.59	30.60	43882.81	533001
WP532902	0.17	47.80	39.54	447077.37	100243
WP532903	0.08	56.90	40.43	450014.25	CON142
WP532931	0.17	47.38	39.55	447105.96	532902
WP53300135957.20		70.59	30.60	42466.65	W12012
WP533002	2.46	89.01	34.53	729569.29	533051
WP533003	2.81	89.05	34.53	728809.97	CON091
WP533031	2.46	89.01	34.53	729569.29	533051
WP533032	2.81	89.05	34.53	728809.97	CON091
WP53320136026.28		70.58	30.64	4743.90	W12011
WP534531	0.15	72.82	39.49	458446.71	P53291
WP534532	0.11	76.41	39.42	458699.15	534531
WP534631	0.01	61.00	33.23	794770.56	411301
WP535402	0.51	55.30	42.09	441683.46	024608
WP535431	0.48	55.31	42.09	438137.15	024603
WP535432	0.51	55.30	42.09	441683.46	024608
WP535731	2.47	90.69	39.33	461495.93	100241
WP53650135860.52		70.60	30.55	58611.84	CON158
WP536531	4.95	63.22	48.54	57693.62	CON158
WP53660135850.23		70.60	30.55	76499.55	P41051
WP53660235958.93		70.59	30.60	40314.84	CON238
WP536604	40.76	68.16	53.24	28630.21	CON238
WP536631	40.76	68.16	53.24	28630.21	CON238
WP536731	1.00	64.10	38.30	567320.65	CON134
WP538531	2.04	54.62	39.47	448516.37	CON143
WP539001	2.20	70.00	31.65	1034214.32	284632
WP539031	2.20	70.00	31.65	1034214.32	284632
WP539701	0.90	76.60	33.43	728580.32	539731
WP539731	0.92	76.51	33.43	728539.89	CON077
WP540501	307.38	76.99	17.86	1939580.50	CON248
WP541101	764.85	68.59	31.50	783977.26	CON074
WP541601	0.69	83.30	29.29	1080511.22	358502
WP541631	0.69	83.30	29.29	1080511.22	358502
WP542201	0.34	81.29	39.17	469682.06	530931
WP543501	5467.70	66.57	21.80	1502977.31	CON015
WP544701	0.56	84.08	30.90	1032615.78	CON045
WP544731	0.56	84.08	30.90	1032615.78	CON045
WP545801	7.67	56.16	42.60	446435.62	024608
WP545831	7.67	56.16	42.60	446435.62	024608
WP546001	72.84	76.32	31.52	864700.21	CON073
WP546031	72.84	76.32	31.52	864700.21	CON073
WP54700121708.86		72.11	27.50	536423.08	CON111
WP547211	3734.63	70.01	30.48	706703.33	295301
WP547221	3734.29	70.01	30.48	707736.73	295302
WP547301	0.11	58.43	42.32	455881.90	531151
WP547331	0.11	58.43	42.32	455881.90	531151
WP548231	0.02	78.00	36.38	566910.86	028817
WP549201	22.81	75.35	46.99	68277.05	CON158
WP549231	22.81	75.35	46.99	68277.05	CON158
WP401505	5411.52	69.91	30.67	652430.54	CON100
WP401504	5410.15	69.91	30.67	655267.76	401503
WP553301	71.13	64.48	33.54	715385.32	374304
WP553331	71.13	64.48	33.54	715385.32	374304
WP553332	0.17	50.62	33.70	716742.26	553331
WP554031	10.90	62.12	35.95	536007.28	003956
**WP554032	0.29	56.31	36.16	532902.90	CON224
WP554032	12.20	56.31	36.16	532902.90	CON225
WP554801	4.93	75.04	34.72	633832.89	CON109
WP555101	972.58	68.01	31.66	774585.63	229101
WP555102	0.40	59.37	32.91	778584.54	CON212
WP555131	0.40	59.37	32.91	778584.54	CON212
WP55520135485.46		70.60	30.41	130084.02	555251
WP55521135487.94		70.60	30.41	123670.21	CON237
WP55522135487.75		70.60	30.41	125089.24	555211
WP555711	180.39	73.18	30.56	876248.66	223301
WP555721	179.88	73.25	30.56	877432.00	555711
WP55631120578.18		72.23	27.05	640774.58	559201
WP55632120578.03		72.23	27.05	641469.79	556311
WP556601	2188.98	64.40	39.18	408742.32	528623
WP55671135457.32		70.60	30.40	151163.08	CON235
WP55672135456.41		70.60	30.40	154010.95	556711
WP557011	1911.92	64.97	38.76	433573.31	CON144
WP557021	2065.99	64.61	39.00	430333.75	556601
WP55920120578.27		72.23	27.05	640029.11	401321

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WP559311	916.58	70.42	29.27	811260.26	299021
WP559321	914.57	70.41	29.27	814140.79	559311
WP559411	1145.02	71.05	29.75	783834.39	299721
WP559421	1105.50	71.06	29.63	787511.82	559411
WP560301	139.49	67.45	38.86	426124.61	CON130
WP56030230143.23		71.37	28.82	435317.36	F40171
WP560601	6.68	71.66	43.88	160843.70	560651
WP560602	1.10	78.45	44.07	161072.45	560651
WP561631	1.20	55.03	42.72	381843.44	CON149
WP561931	96.05	78.27	30.53	899878.66	561932
WP561932	96.84	78.34	30.53	899752.44	221901
WP562831	1.98	47.00	30.44	915856.59	CON198
WP562832	1.00	47.00	30.47	915051.90	408901
WPAQAQ34	307.07	73.48	34.62	747490.53	433501
WPBGFR65	97.00	66.43	39.57	602646.87	CON132
WPBGNE71	45.54	71.36	43.62	153719.61	532601
WPBOWA40	1659.98	67.79	32.24	704770.78	231703
WPBRAQ3317746.45		72.66	26.10	747508.52	432001
WPBRBR5930015.99		71.38	28.78	479061.86	CON122
WPBRDE2915732.75		72.83	25.33	997990.03	404502
WPBRGM7336027.54		70.58	30.64	281.02	1011
WPBRGR3016320.03		72.99	25.55	870234.21	CON063
WPBRHB4220899.61		72.24	27.17	591278.70	435902
WPBRHE6834374.36		70.63	30.05	333735.94	CON150
WPBRPP2714308.96		73.08	24.76	1131350.41	400001
WPBRR17035454.11		70.60	30.39	159400.80	556721
WPBRR07235775.34		70.61	30.51	97679.62	532701
WPBRSB2313170.79		70.88	24.29	1273215.01	345301
WPBRSE11	5996.18	67.77	22.17	1428237.82	CON017
WPBRWA4120065.10		72.27	26.86	689296.06	CON216
WPBSBR20	284.88	71.44	26.86	1372261.29	CON239
WPBSLU07	245.49	76.93	18.23	1928446.68	370631
WPCAST17	475.99	81.74	24.49	1512538.68	CON027
WPCCIV25	97.43	67.68	28.68	1221660.20	CON039
WPCFEL22	5738.17	73.75	25.65	1297825.32	422504
WPCFFG18	4031.11	75.99	24.94	1401248.32	418601
WPCFHA14	1456.31	73.48	24.11	1592379.72	413302
WPCFNU16	2236.10	74.42	24.46	1558764.22	CON026
WPCFRO13	265.99	75.68	23.43	1705020.84	CON021
WPCON001	507.60	73.58	18.74	1859142.87	369231
WPCON002	1735.99	68.08	20.61	1704863.17	CON003
WPCON003	1776.38	68.10	20.64	1698009.79	SFPE04
WPCON004	1132.95	66.14	20.05	1762405.95	CON002
WPCON005	2320.47	67.96	21.01	1644090.49	CON006
WPCON006	2333.07	67.94	21.02	1637317.99	SFAS06
WPCON007	327.64	75.34	18.71	1900185.50	370901
WPCON008	407.73	57.43	20.79	1805063.50	F41461
WPCON009	1608.19	64.52	20.97	1686993.87	372201
WPCON010	2117.83	65.89	21.63	1571050.12	CON245
WPCON011	5192.01	66.41	21.64	1540066.87	524201
WPCON012	5240.15	66.36	21.66	1532129.12	CON013
WPCON013	5405.30	66.43	21.76	1515544.37	CON014
WPCON014	5467.46	66.57	21.80	1504446.59	543501
WPCON015	5528.25	66.68	21.84	1494585.28	CON016
WPCON016	5949.13	67.70	22.13	1444879.75	BRSE11
WPCON017	6409.60	68.30	22.45	1406862.51	CON018
WPCON018	6841.22	68.57	22.79	1334780.39	CON019
WPCON019	7169.32	68.52	23.01	1323015.64	CON020
WPCON020	7241.75	68.59	23.07	1311335.32	CON036
WPCON021	523.73	75.61	23.65	1698705.90	412001
WPCON022	1165.38	73.04	23.99	1645215.84	413202
WPCON024	1699.77	73.77	24.21	1577765.06	413701
WPCON025	2231.71	74.43	24.46	1562811.34	416201
WPCON026	2449.10	74.50	24.55	1550603.81	417121
WPCON027	911.96	81.47	24.91	1479840.37	CON028
WPCON028	1024.46	80.61	25.05	1470573.78	CON029
WPCON029	3870.55	76.15	24.85	1445862.12	418501
WPCON030	4353.95	75.25	25.15	1336861.14	419501
WPCON031	650.14	66.12	26.83	1364441.48	CON032
WPCON032	676.94	66.31	26.87	1356944.82	CON239
WPCON033	1284.47	69.15	27.12	1330483.36	421801
WPCON034	223.80	78.91	29.50	1263625.26	346002
WPCON035	5669.56	73.85	25.61	1325190.79	422101
WPCON03613168.07		70.88	24.28	1275990.14	W12322
WPCON03713494.61		71.02	24.42	1251144.82	W12082
WPCON03813701.35		70.96	24.51	1205623.14	CON039
WPCON03913935.10		70.89	24.60	1189638.78	1002
WPCON04014616.61		72.94	24.90	1115924.47	400503
WPCON04214703.70		72.94	24.94	1087200.88	401001
WPCON04415436.72		72.76	25.20	1040375.38	401302
WPCON04515621.14		72.82	25.28	1024047.28	CON046
WPCON04615710.24		72.84	25.32	1008368.06	404402
WPCON04715853.42		72.84	25.37	988267.13	405101
WPCON04815921.48		72.88	25.40	976932.32	021702

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WPCON04916039.09	72.91	25.44	962097.88	CON192
WPCON05016176.33	72.97	25.50	930203.06	409753
WPCON051 478.07	76.33	28.27	1087125.36	CON052
WPCON052 501.39	76.06	28.36	1085149.20	CON053
WPCON053 504.92	76.09	28.38	1084999.30	351101
WPCON054 633.83	74.59	28.87	1074130.22	CON060
WPCON055 271.82	74.19	28.79	1082965.12	CON056
WPCON056 277.05	74.34	28.82	1080311.39	CON057
WPCON057 288.99	74.65	28.85	1078442.69	CON058
WPCON058 293.38	74.75	28.86	1074856.06	CON060
WPCON059 1280.20	75.04	29.02	1053971.13	W12211
WPCON060 963.15	74.91	28.92	1063208.87	CON246
WPCON061 284.95	75.47	29.21	1059768.41	CON059
WPCON06216237.32	73.01	25.52	918588.06	W12042
WPCON06316835.25	72.65	25.72	863181.52	409801
WPCON06416906.58	72.63	25.74	845197.02	410051
WPCON06516953.14	72.64	25.76	835973.74	410202
WPCON06617355.42	72.73	25.93	804100.77	CON067
WPCON06717406.43	72.70	25.95	796311.24	CON068
WPCON06817510.59	72.67	25.99	785560.65	CON069
WPCON06917606.53	72.66	26.03	775817.09	515731
WPCON07018312.79	72.65	26.35	716729.94	433902
WPCON071 583.84	69.52	31.20	827985.85	227101
WPCON072 677.44	68.94	31.32	820962.60	227801
WPCON073 509.89	61.91	30.99	863307.74	W12292
WPCON074 963.71	68.02	31.64	777485.79	229001
WPCON075 1140.85	67.07	31.80	759886.04	229202
WPCON077 289.30	68.49	33.38	720959.66	W12251
WPCON078 383.01	68.27	33.29	716948.16	231531
WPCON079 562.53	69.48	31.18	833271.47	226901
WPCON080 1308.08	74.84	29.06	1049548.23	363001
WPCON081 1399.57	74.65	29.09	1035239.98	364601
WPCON082 1403.84	74.64	29.09	1034332.76	364802
WPCON083 1645.70	73.30	29.07	1019874.95	281421
WPCON084 1787.89	72.37	29.20	995701.32	285401
WPCON085 1890.04	71.87	29.23	986636.57	286002
WPCON086 2050.05	71.67	29.29	951205.45	287321
WPCON087 2094.74	71.62	29.30	939389.61	287701
WPCON088 2304.63	71.43	29.46	880495.29	289802
WPCON089 2582.30	70.46	29.83	805643.27	290601
WPCON090 2784.08	70.15	30.12	754441.05	103511
WPCON091 3613.14	69.99	30.37	717373.92	294205
WPCON092 533.03	68.39	29.96	780906.43	103511
WPCON094 1064.48	71.06	29.53	799113.98	299503
WPCON095 1511.10	69.66	30.74	702313.23	W12152
WPCON096 5257.70	69.92	30.57	700949.36	LRLR53
WPCON098 3727.62	70.01	30.48	714312.11	W12182
WPCON099 5401.10	69.92	30.67	664484.11	410921
WPCON100 5595.32	69.90	30.80	635395.73	CON101
WPCON101 5601.53	69.90	30.80	635309.95	427901
WPCON102 1357.37	70.15	33.70	614820.70	W12142
WPCON103 267.72	72.95	32.29	709147.14	CON105
WPCON105 402.55	71.02	32.31	706065.61	373831
WPCON106 550.55	69.86	32.70	697955.45	374402
WPCON107 6994.64	69.94	31.39	606335.95	375801
WPCON108 7097.34	69.85	31.44	589240.23	LRCAS8
WPCON109 7435.45	69.88	31.58	578238.89	376602
WPCON110 5347.50	69.90	30.63	667614.20	CON099
WPCON11129340.71	71.49	28.59	530861.33	P41451
WPCON11220378.52	72.23	26.98	684713.44	434201
WPCON11320697.63	72.25	27.09	628704.95	401322
WPCON11420868.61	72.24	27.16	606164.23	CON115
WPCON11520877.07	72.24	27.16	598673.67	CON116
WPCON11620884.86	72.24	27.16	597150.08	435801
WPCON11721671.69	72.12	27.48	568169.83	407803
WPCON11829380.21	71.49	28.60	520005.83	P40801
WPCON11929544.59	71.45	28.65	493634.54	CON120
WPCON12029555.41	71.45	28.65	486318.76	P53491
WPCON12130012.64	71.38	28.78	483527.23	BRBR59
WPCON12230077.34	71.38	28.80	467351.42	527101
WPCON123 1258.72	65.32	36.99	436325.91	CON129
WPCON124 728.91	65.53	36.11	474193.88	W12121
WPCON125 825.30	65.21	36.28	465116.10	CON126
WPCON126 913.89	65.05	36.45	460251.60	CON227
WPCON128 945.81	65.27	36.52	455668.97	CON228
WPCON129 1301.98	65.13	37.09	423695.90	W12112
WPCON13031636.35	71.08	29.22	414535.81	401612
WPCON131 290.23	66.06	37.75	616217.78	W12531
WPCON132 597.09	66.33	38.30	590054.93	CON230
WPCON133 662.06	66.73	38.35	581366.31	W12521
WPCON134 928.49	66.37	38.21	557080.34	NAEA66
WPCON135 1179.86	66.50	38.19	540465.81	CON136
WPCON136 1245.98	66.30	38.24	535685.90	CON137
WPCON137 1294.83	66.25	38.24	527871.50	CON138

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WPCON138	1335.79	66.08	38.27	518059.59	NABR67
WPCON139	1591.85	65.77	38.44	484063.90	CON140
WPCON140	1642.82	65.67	38.51	469687.81	CON141
WPCON141	1676.95	65.46	38.57	459922.93	CON247
WPCON142	1865.58	65.16	38.72	443258.15	CON143
WPCON143	1888.79	65.09	38.73	436544.53	557011
WPCON144	1920.45	64.93	38.78	431473.78	CON146
WPCON145	2065.99	64.61	39.00	430333.75	556601
WPCON146	1947.74	64.83	38.79	430828.81	CON145
WPCON14733929.59	70.64	29.90		386706.75	W12021
WPCON14833942.86	70.63	29.91		378988.28	529003
WPCON14934373.90	70.63	30.05		334714.22	BRHE68
WPCON15034557.71	70.59	30.11		302005.59	400951
WPCON15135068.81	70.60	30.26		262645.78	428001
WPCON15335212.25	70.60	30.31		209546.73	CON234
WPCON15435473.53	70.60	30.40		140566.95	555201
WPCON15535515.92	70.60	30.41		122941.49	CON240
WPCON15735774.33	70.61	30.51		100900.40	BRRO72
WPCON15835925.11	70.60	30.59		55729.28	103121
WPCON159	264.00	57.96	20.57	1833963.56	DMJU08
WPCON160	281.86	57.39	20.59	1827764.62	CON008
WPCON161	156.93	79.28	23.77	1582562.75	CON162
WPCON162	289.43	80.68	24.07	1551203.28	CON163
WPCON163	392.73	81.26	24.38	1536027.40	CAST17
WPCON164	50.34	68.40	24.81	1650114.03	CON165
WPCON165	102.12	70.44	24.81	1632236.12	MUHA15
WPCON166	445.08	67.02	26.38	1382929.32	CON167
WPCON167	611.41	66.48	26.77	1371874.86	HCAL19
WPCON168	475.04	76.31	28.25	1089141.98	LEDL43
WPCON169	473.04	76.31	28.24	1090308.58	350001
WPCON170	468.70	76.27	28.23	1090584.70	CON169
WPCON171	462.86	76.21	28.21	1093734.42	CON170
WPCON172	462.25	76.20	28.20	1094389.20	CON171
WPCON173	455.09	76.17	28.17	1097757.86	CON172
WPCON174	451.68	76.13	28.16	1098662.20	CON173
WPCON175	416.37	76.34	28.01	1102435.23	CON174
WPCON176	399.44	76.08	27.95	1108717.08	CON175
WPCON177	393.93	76.02	27.92	1108959.70	CON176
WPCON178	385.65	75.89	27.89	1109447.83	CON177
WPCON179	380.06	75.80	27.87	1111320.64	CON178
WPCON180	344.00	75.29	27.79	1111729.92	CON179
WPCON181	321.98	75.16	27.70	1121706.79	W12232
WPCON182	225.97	75.95	27.37	1135038.45	W12241
WPCON183	677.00	69.19	28.93	827047.61	296731
WPCON184	562.56	67.93	28.74	843925.57	296302
WPCON185	550.95	67.79	28.72	845791.45	296102
WPCON186	483.35	66.73	28.61	849419.48	296105
WPCON187	263.84	61.67	28.45	873766.36	295821
WPCON188	816.34	69.93	29.13	822446.20	298801
WPCON18914798.77	72.94	24.99		1040558.78	CON044
WPCON19014676.40	72.93	24.93		1104363.94	CON042
WPCON19115994.75	72.91	25.43		963567.16	CON049
WPCON19216041.88	72.91	25.45		960105.79	CON193
WPCON19316080.16	72.93	25.46		957728.10	101782
WPCON19416139.30	72.96	25.48		941518.59	014811
WPCON195	171.93	77.13	33.20	836579.12	NRBL32
WPCON196	332.05	58.87	30.50	894571.62	409402
WPCON197	273.46	57.83	30.32	900347.40	CON196
WPCON198	174.57	56.81	30.17	913216.65	CON197
WPCON199	166.37	56.88	30.16	919538.93	408801
WPCON200	130.80	57.72	30.08	920974.71	CON199
WPCON201	350.25	69.69	31.00	861608.28	225402
WPCON202	317.35	70.12	30.97	863279.75	225404
WPCON203	300.77	70.56	30.94	869111.87	225101
WPCON204	286.96	70.95	30.93	870044.81	CON203
WPCON205	176.89	73.61	30.55	878910.25	555721
WPCON206	144.17	74.93	30.49	880709.97	222601
WPCON207	132.92	75.78	30.46	884145.62	W12261
WPCON208	94.80	78.19	30.53	902068.87	561931
WPCON209	83.56	78.03	30.58	904916.75	W12552
WPCON210	41.97	75.49	30.72	911433.09	CON209
WPCON211	31.17	75.44	30.73	913564.09	CON210
WPCON212	972.21	68.01	31.65	774838.07	555101
WPCON213	51.39	65.83	32.78	757680.38	231206
WPCON214	75.21	66.94	32.97	735924.38	231302
WPCON215	161.04	66.78	33.22	740357.66	MBMG38
WPCON21620075.05	72.28	26.87		688153.15	508501
WPCON21720448.90	72.23	27.01		667270.54	434501
WPCON21820890.02	72.24	27.16		594858.17	BRHB42
WPCON219	185.07	66.63	38.06	454643.44	DCLY63
WPCON220	180.66	66.64	38.05	455529.00	CON219
WPCON221	158.88	66.79	37.99	456747.87	CON220
WPCON222	148.91	67.20	37.96	464856.00	CON221
WPCON223	126.49	67.22	37.89	471147.65	P41401

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WPCON224	119.19	66.50	36.16	516988.50	EYDB61
WPCON225	24.30	68.30	35.97	532971.94	CON224
WPCON226	9.42	76.42	35.91	535689.87	003956
WPCON227	916.67	65.10	36.46	458147.16	CON128
WPCON228	1002.32	65.35	36.65	449512.85	516401
WPCON229	57.26	67.17	39.64	612835.75	CON250
WPCON230	650.88	66.68	38.35	583422.18	CON133
WPCON231	2240.73	64.42	39.22	395375.50	528613
WPCON23231653.69		71.08	29.23	402255.19	528621
WPCON23335196.67		70.60	30.31	223419.14	CON153
WPCON234335387.81		70.60	30.37	196176.67	W12451
WPCON23535460.96		70.60	30.40	151053.61	511051
WPCON236	45.18	71.37	43.62	154750.17	BGNE71
WPCON23735514.44		70.60	30.41	123119.99	CON155
WPCON23836009.51		70.59	30.63	26975.53	100471
WPCON239	1073.69	68.77	26.95	1347384.17	421331
WPCON24035522.59		70.60	30.42	115780.18	511551
WPCON244	1048.71	62.26	20.17	1793118.21	371701
WPCON245	4868.12	66.87	21.49	1555524.62	W12081
WPCON246	987.67	74.83	28.96	1055385.21	CON059
WPCON247	1800.56	65.03	38.68	448350.56	CON142
WPCON248	374.49	75.96	18.22	1906170.75	CON001
WPCON250	77.34	66.63	39.61	609788.56	W12522
WPCOPI48	454.60	66.85	29.71	789007.61	CON092
WPCRJA05	292.75	73.59	22.01	1645644.71	CON005
WPDCLY63	194.83	66.62	38.09	453589.19	CON123
WPDMA509	1891.25	64.98	21.36	1619267.48	528201
WPD MJU08	265.29	57.91	20.57	1832165.87	CON160
WPDUGI03	299.59	74.08	21.59	1723254.92	CON002
WPEYDB61	239.37	67.13	36.38	490608.25	CON124
WPGAGE56	404.07	71.06	32.32	704002.45	373901
WPGALA57	737.44	71.87	33.11	650434.39	374905
WPGHGH24	223.79	78.91	29.50	1263625.26	346002
WPHCAL19	612.11	66.47	26.77	1371122.45	CON031
WPHCBR21	1092.28	68.93	26.96	1344272.86	CON033
WPHGCR39	77.37	67.02	32.97	733391.88	CON078
WPLABE52	1321.36	70.91	30.27	723086.39	300701
WPLAKE50	816.64	69.93	29.13	821022.26	298802
WPLAYO51	1240.17	70.96	30.03	760485.07	300301
WPLEBE49	3579.27	69.90	30.33	723006.60	293901
WPLEDL43	475.87	76.31	28.26	1087539.54	CON051
WPLEGT47	2378.96	71.26	29.56	856786.45	101761
WPLEHM46	1927.96	71.78	29.23	977117.20	286202
WPLEHS45	1282.62	75.05	29.02	1049986.11	CON080
WPLRCA58	7100.25	69.85	31.44	588440.45	376301
WPLRLR53	5265.81	69.92	30.57	690911.23	409521
WPMBMG38	181.27	67.07	33.26	733906.28	CON077
WPM CBL69	376.77	71.49	40.40	276979.41	CON151
WPM SMN12	105.85	80.78	26.09	1444803.97	344301
WPMUHA15	208.09	76.03	24.77	1587799.12	CON024
WPMYDB60	235.16	63.79	35.38	498805.37	CON124
WPNABR67	1426.93	66.00	38.35	494642.43	CON139
WPNAEA66	935.67	66.37	38.22	551100.34	CON135
WPNAGR64	239.70	65.85	37.40	626262.84	528901
WPNBCL36	977.02	68.00	31.66	772607.41	229201
WPNBHI35	359.78	69.63	31.02	857445.59	226101
WPNBVM37	1158.50	66.99	31.82	750655.82	230000
WPNCKN10	250.25	59.06	23.69	1554918.40	CON011
WPNNGE54	248.38	74.47	32.18	711641.23	373331
WPNRBL32	282.24	77.47	33.36	818259.62	W12271
WPP36361	10.45	68.87	32.89	758594.53	CON213
WPP37211	7.40	84.00	24.94	1608831.65	415431
WPP37611	7024.52	69.92	31.40	596208.32	376102
WPP37631	165.87	59.62	34.05	706149.20	376302
WPP40001	1330.54	70.89	30.29	713980.36	P40031
WPP40021	1331.10	70.88	30.30	712640.17	301101
WPP40031	1330.87	70.88	30.30	713216.11	P40021
WPP4009134563.38		70.58	30.11	297353.94	400952
WPP40121	3743.55	70.03	30.49	703731.35	1007
WPP40122	3742.20	70.03	30.49	706100.85	P40121
WPP40151	5409.86	69.91	30.67	656607.95	401502
WPP40161	1.91	69.45	40.43	428842.52	CON231
WPP4017130154.85		71.36	28.83	426923.53	401702
WPP4023121694.84		72.11	27.49	555182.48	436101
WPP40241	3574.21	69.90	30.32	724866.35	P40242
WPP40242	3574.63	69.90	30.32	724194.83	402403
WPP40351	303.95	77.04	17.84	1942608.06	403551
WPP4042120532.86		72.24	27.03	654391.83	404202
WPP4063120889.28		72.24	27.16	595336.48	CON218
WPP40641	156.98	78.13	17.19	2034054.81	367501
WPP4076120918.45		72.24	27.18	574690.23	407651
WPP4078121439.81		72.14	27.40	572363.98	407802
WPP4080129388.49		71.49	28.60	512763.64	P40802
WPP4080229388.77		71.49	28.60	511726.14	P40803

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WPP4080329416.42	71.47	28.61	510041.64	408004
WPP4089120532.86	72.24	27.03	654391.83	404202
WPP4089220535.19	72.24	27.03	652559.45	434602
WPP40911 598.10	70.64	32.82	681805.70	374801
WPP4105135857.18	70.60	30.55	63117.65	536501
WPP4108120834.05	72.24	27.14	617140.70	101102
WPP4108220837.15	72.24	27.14	613136.04	CON114
WPP41241 0.53	50.77	31.22	872674.94	223501
WPP41242 187.68	72.63	30.58	872651.25	223502
WPP4128130108.48	71.38	28.81	459199.14	109681
WPP41301 0.36	59.35	33.84	727841.76	300401
WPP41351 23.25	69.97	33.52	742630.78	CON215
WPP41401 141.44	67.19	37.94	467293.75	CON222
WPP4141117762.13	72.66	26.10	742653.49	432101
WPP4145129347.59	71.49	28.59	526846.86	436802
WPP41461 407.74	57.43	20.79	1805023.06	W12411
WPP42121 7020.38	69.92	31.40	601093.64	421252
WPP51611 0.96	84.34	29.60	1078892.06	359501
WPP51621 9.85	77.20	23.35	1612969.75	CON010
WPP51641 1.81	78.22	32.06	1037331.56	CON045
WPP51651 117.74	81.51	28.95	1280053.51	345503
WPP52741 3.44	81.28	29.74	1113340.14	CON176
WPP52901 0.06	78.33	40.79	379069.16	CON148
WPP53191 0.43	66.45	38.86	589665.62	531935
WPP53192 0.40	65.57	39.17	594317.28	02653A
WPP53291 51.79	71.51	39.49	451297.25	CON142
WPP53301 2.46	89.01	34.53	729569.29	533051
WPP5349129555.69	71.45	28.65	485763.64	CON121
WPP53541 0.48	55.31	42.09	438137.15	024603
WPP53591 143.43	64.25	20.54	1858962.34	535951
WPPAGR31 410.59	59.42	30.82	871369.68	409631
WPPPSA28 574.25	68.04	30.18	1053917.84	403803
WPRWPL01 295.28	77.04	17.78	1953755.25	105371
WPSADL44 267.46	74.05	28.77	1085140.55	354401
WPSFAS06 2504.10	67.76	21.16	1606824.30	W12382
WPSFPE04 2006.80	67.25	20.85	1657086.30	CON005
WPSGGE55 132.16	67.23	32.33	709994.29	W12502
WPSHGR2614093.30	73.41	24.66	1165245.94	515551
WPW1201136027.54	70.58	30.64	281.02	1011
WPW1201235958.54	70.59	30.60	41097.87	532802
WPW1202133929.60	70.64	29.90	386678.16	CON148
WPW12031 2.40	74.81	34.25	765797.74	515731
WPW1203216921.50	72.63	25.75	836452.06	CON065
WPW1204116920.60	72.63	25.75	838801.99	410201
WPW1204216237.32	73.01	25.52	918547.62	407202
WPW1205116180.45	72.97	25.50	923010.97	1003
WPW1205215924.58	72.88	25.40	974356.50	405401
WPW1206114093.24	73.41	24.66	1165474.69	515501
WPW12071 19.68	60.69	29.85	1199608.46	CON039
WPW12072 2.91	47.94	31.15	1208733.61	CON038
WPW12081 4886.80	66.84	21.50	1547833.90	CON011
WPW1208213530.73	71.02	24.43	1236653.51	CON038
WPW12091 0.0032	47.00	40.31	386735.34	CON147
WPW12092 674.82	66.74	38.35	578953.43	516501
WPW12101 155.70	66.78	36.63	646182.25	W12532
WPW12102 196.65	66.56	37.04	640150.81	528731
WPW12111 1007.90	65.41	36.66	447628.53	YCSO62
WPW12112 1321.70	65.14	37.14	414604.84	CON130
**WPW12121 749.21	65.64	36.17	467502.75	CON125
WPW12122 1007.90	65.41	36.66	447628.53	YCSO62
WPW12131 5257.70	69.92	30.57	700949.36	LRLR53
WPW1213229340.71	71.49	28.59	530861.33	P41451
WPW12141 726.44	71.86	33.09	658038.48	516301
WPW12142 1366.34	70.13	33.71	606364.54	CON107
WPW12151 1313.18	70.95	30.25	728400.95	300401
WPW12152 1512.39	69.66	30.75	700989.79	CON096
WPW12161 1248.12	70.90	30.06	751421.51	W12151
WPW12162 0.25	75.82	33.95	730979.64	W12151
WPW12171 1224.89	71.02	29.98	767345.73	300002
WPW12172 7.15	56.43	28.61	906827.92	CON187
WPW12181 5.53	72.57	33.27	762862.92	022331
WPW12182 3727.91	70.01	30.48	714271.67	294204
WPW12191 3745.31	70.03	30.49	700977.95	CON096
WPW12192 3567.63	69.91	30.32	729072.22	293601
WPW12201 3567.63	69.91	30.32	729112.66	W12192
WPW12202 0.29	65.28	33.86	778317.74	CON090
WPW12211 1280.24	75.04	29.02	1053799.57	1004
WPW12212 2640.45	70.33	29.92	777922.33	291401
WPW12221 252.10	75.26	29.19	1063853.82	CON061
WPW12222 16.64	65.43	30.93	1057947.09	CON246
WPW12231 1.59	78.98	30.43	1069005.29	CON060
WPW12232 322.04	75.16	27.70	1121413.92	CON180
WPW12241 227.30	75.84	27.37	1131781.29	W12242
WPW12242 257.21	75.53	27.48	1122851.73	347031

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WPW12251	289.41	68.49	33.38	720478.48	CON078
WPW12252	4.79	67.07	33.02	716814.54	231531
WPW12261	133.12	75.76	30.46	883029.28	CON206
WPW12262	1215.55	67.13	31.89	717838.14	231531
WPW12271	290.46	77.50	33.35	812662.34	CON066
WPW12272	97.70	76.09	32.80	840042.52	W12281
WPW12281	98.00	76.13	32.80	839301.96	CON195
WPW12282	70.07	74.75	32.73	845940.81	W12272
WPW12291	12.95	58.29	30.28	955153.46	408401
WPW12292	509.89	61.91	30.99	863279.15	CON063
WPW12301	391.58	67.11	30.01	1079614.72	019031
WPW12302	463.84	66.88	30.13	1069674.56	403151
WPW12311	223.59	80.68	29.32	1264177.51	345921
WPW12312	156.03	80.91	29.17	1275852.42	345832
WPW12321	46.72	75.03	22.82	1739438.65	420631
WPW12322131	168.07	70.88	24.28	1275961.54	BR5B23
WPW12331	6.95	73.61	27.65	1364818.11	CON239
WPW12332	3.03	74.31	27.83	1354101.51	CON239
WPW12341	12.51	73.31	26.61	1413179.39	421131
WPW12342	0.04	80.05	27.17	1409794.82	421131
WPW12351	0.13	74.00	25.47	1495608.09	W12352
WPW12352	369.05	81.74	25.31	1481990.15	CON027
WPW12361	449.62	78.71	25.27	1582346.00	014221
WPW12362	471.20	79.01	25.26	1570292.09	414101
WPW12371	77.27	69.49	24.91	1701536.34	W12372
WPW12372	106.54	68.72	24.76	1696668.15	CON022
WPW12381	6.81	66.20	20.83	1847475.93	CON004
WPW12382	2723.57	67.57	21.35	1557953.34	CON245
WPW12391	1132.95	66.14	20.05	1762405.95	CON002
WPW12392	688.72	71.06	19.49	1804580.64	369301
WPW12401	688.72	71.06	19.49	1804580.64	369301
WPW12402	621.98	71.70	19.27	1810742.01	W12401
WPW12411	430.42	57.41	20.82	1793146.81	CON244
WPW12412	2029.09	65.53	21.54	1575941.39	CON010
WPW1242131684	.07	71.08	29.24	386747.19	CON147
WPW1242217690	.81	72.67	26.07	761972.43	431501
WPW12423	22.60	69.18	36.09	624563.76	435502
WPW12424	17.15	68.80	35.98	628620.70	435532
WPW12431	38.12	59.85	33.70	747517.01	301231
WPW12432	172.64	60.23	34.05	702353.67	CON095
WPW12441	61.50	63.29	33.46	722845.61	102641
WPW12442	839.00	71.33	33.30	614930.17	CON102
WPW1245135387	.87	70.60	30.37	195745.73	516802
WPW12452	25.76	69.83	45.16	123579.52	CON237
WPW12461	44.70	64.28	32.87	766341.31	230701
WPW12462	289.30	68.49	33.38	720959.66	W12251
WPW12471	58.36	80.11	34.47	669701.54	W12141
WPW12472	0.04	93.92	34.33	659078.01	GALA57
WPW12481	246.81	74.59	32.17	713519.79	516201
WPW12482	622.72	70.68	32.88	671728.32	W12141
WPW12491	230.31	75.66	32.06	724563.61	W12481
WPW12492	246.84	74.59	32.17	713243.67	NGGE54
WPW12501	0.12	54.46	31.30	773551.92	373504
WPW12502	133.31	67.18	32.34	707787.32	CON105
WPW12511	0.18	71.74	30.67	790783.51	373101
WPW12521	674.80	66.74	38.35	579291.65	W12092
WPW12522	96.89	66.42	39.57	603261.21	BGFR65
WPW12531	382.96	66.12	37.79	606144.12	CON132
WPW12532	196.65	66.56	37.04	640179.40	W12102
WPW12541	19.85	73.95	34.27	768630.50	515831
WPW12542	11.63	74.33	34.97	767902.63	515831
WPW12551	7.84	66.51	30.40	884174.22	CON207
WPW12552	83.56	78.03	30.58	904830.97	CON208
WPWRSF02	688.73	71.06	19.49	1804430.73	CON004
WPYCSO62	1010.73	65.40	36.67	445901.92	CON123
WP226503	419.62	69.72	31.07	847437.59	226502
WP226506	418.96	69.72	31.07	848235.84	378302
WP000011149	.1459	69.63	48.84	4845.29	013331
WP004421	61.0494	71.26	43.96	191701.81	018931
WP004422	61.2704	71.30	43.96	191189.70	516935
WP004431	0.0031	92.00	46.85	0.00	SJGMC4
WP004491	0.0007	92.00	46.85	60.00	SJGMC4
WP005752	0.0003	92.00	47.91	0.00	SJGMC4
WP005753	0.0003	92.00	47.91	30.00	SJGMC4
**WP005754	0.0000	92.00	47.91	42.43	SJGMC4
WP009901	0.0097	92.00	47.91	2174.92	SJGMC4
WP010281	1.1467	70.40	50.47	3247.65	SJGBC3
WP010441246	.2612	74.10	49.54	3475.22	SJGBC3
WP010442171	.9344	74.12	49.16	6016.17	010441
WP010443160	.0888	73.69	49.10	11680.88	105261
WP010444	0.0167	90.20	49.80	13973.69	010443
WP010501	1.4838	73.78	49.98	144.85	536351
**WP010541	0.0000	72.00	50.51	14921.26	SJGBC3
WP012631	9.1324	71.25	49.69	923.97	SJGBC3

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WP013331160.3848	69.74	49.06	729.41	SJGMC4
**WP014851	0.0000	92.00	46.85	0.00 SJGMC4
WP018931	61.0574	71.26	43.96	191569.39 004422
WP021821	1.9279	71.32	50.66	15534.94 559101
**WP026701	0.0000	92.00	46.85	0.00 SJGMC4
WP029151	1.1419	76.18	50.65	14174.27 559101
WP030151	4.3954	70.00	43.18	251391.03 516931
WP031161	0.2957	82.01	50.91	19908.73 000011
WP034161	2.6774	70.62	49.44	27941.61 034162
WP034162	3.9531	70.42	49.44	25037.30 557401
WP100441234.9330	70.37	47.49	13926.48	SJGMC4
WP100861	1.8730	73.93	45.67	178538.61 110461
WP101341	51.5084	72.10	48.29	49633.83 536401
WP101342	56.3048	71.91	48.41	41509.72 115711
WP101343	7.4228	69.92	47.14	69442.79 122951
WP101731	72.0896	71.22	49.53	9343.89 SJGBC3
WP101741	1.5397	71.88	49.64	19933.59 SJGMC4
WP102061	6.0811	74.03	50.71	1068.82 SJGBC3
WP103751	0.2255	70.00	48.62	604.26 SJGBC3
WP104101	0.6373	82.89	48.72	4935.29 SJGMC4
WP104951	1.6304	82.53	50.20	43778.53 115711
WP104952	1.9373	79.89	50.01	53999.97 536951
WP105201	1.1488	72.71	49.89	17017.73 105685
WP105261165.9881	73.91	49.13	10534.48	105262
WP105262166.0813	73.91	49.13	9652.94	010442
WP105391	17.8103	75.29	50.17	13084.87 010441
WP105481	1.4251	70.78	54.86	66973.30 533821
WP105685158.1970	73.59	49.09	13069.42	535001
WP106271	1.0112	75.50	49.97	2417.06 010501
WP106711	0.0010	100.00	50.28	84.85 SJGBC3
WP106901	2.7820	73.24	49.58	10809.11 SJGMC4
WP110461	78.0811	72.48	44.29	174361.11 138041
WP115711114.6351	73.37	48.97	24529.07	105685
WP119991	4.7255	69.99	46.19	156471.97 138041
WP122951	23.5822	70.38	47.23	63749.23 CLPEC1
WP123321	2.6187	70.31	48.07	49954.63 115711
WP138041130.5283	71.85	45.11	103485.51	536653
WP420101	23.6857	70.10	49.49	63709.65 420153
WP420102	33.8738	70.07	49.89	59099.25 420151
WP420151	39.7882	70.06	50.01	57308.31 534401
WP420152	26.4368	70.09	49.61	61581.43 420102
WP420153	26.1526	70.09	49.60	61821.43 420152
WP421551	71.3696	69.96	50.97	40740.38 CON241
WP421603	57.4585	69.78	50.63	44469.25 534701
WP421631	2.9318	70.00	52.14	45430.48 421652
WP421651	57.4585	69.78	50.63	44469.25 534701
WP421652	7.1924	70.00	52.37	42815.88 534801
WP422131	47.4844	70.07	50.32	52982.47 422151
WP422151	47.4868	70.07	50.32	52910.04 P40101
WP502001	28.1864	68.58	55.55	32989.24 534121
WP502301	2.0109	70.00	53.62	36237.56 502351
WP502302	9.5418	71.10	54.34	33781.12 502352
WP502351	2.8720	70.00	53.62	34439.34 535201
WP502352	12.3029	70.86	54.55	31830.77 CON242
WP506401	11.0513	70.03	50.65	52619.10 506402
WP506402	11.1170	70.03	50.65	52469.10 P41321
WP506403	4.1869	69.12	50.91	52921.23 P41321
WP506404	11.0356	70.03	50.64	52913.95 506401
WP516751	0.2467	69.23	43.25	251495.56 516931
WP516852	0.2467	69.23	43.25	251495.56 516931
WP516901	66.9022	71.93	44.07	183752.05 533601
WP516931	35.8073	70.94	43.41	221555.80 517032
WP516932	36.0495	70.98	43.42	220474.63 517033
WP516933	40.9258	70.96	43.53	209433.45 516934
WP516934	60.2453	71.19	43.94	194195.09 004421
WP516935	62.5020	71.44	43.99	189781.58 516901
WP516936	3.4395	79.77	45.26	188822.52 516901
WP516937	66.9022	71.93	44.07	183752.05 533601
WP517007	62.5020	71.44	43.99	189781.58 516901
WP517031	35.8073	70.94	43.41	221555.80 517032
WP517032	36.0495	70.98	43.42	220474.63 517033
WP517033	40.9258	70.96	43.53	209433.45 516934
WP517034	60.2453	71.19	43.94	194195.09 004421
WP517035	62.5020	71.44	43.99	189781.58 516901
WP517036	3.4395	79.77	45.26	188822.52 516901
WP517037	66.9022	71.93	44.07	183752.05 533601
WP517801	0.5226	75.09	49.80	17778.40 101731
WP517851	0.6578	70.00	49.99	12512.73 540051
WP518301	0.5390	68.84	49.65	19868.08 105685
WP518331	0.2540	70.00	49.65	20482.63 518301
WP523001	20.2014	74.44	50.47	20175.36 010441
WP525601	54.0037	69.91	50.55	48744.50 534601
WP525651	53.9877	69.91	50.54	48829.35 525601
WP525652	57.4428	69.78	50.63	44614.10 421603

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WP525653	67.2237	69.81	50.88	41604.34	421551
WP5328032223.4939		70.37	47.15	41405.53	533811
WP532832223.4939		70.37	47.15	41405.53	533811
WP532853176.7788		70.92	45.76	85623.69	533821
WP533331	1.5283	86.10	52.14	5618.01	548501
WP533401	7.2893	72.27	52.06	1034.56	533402
WP533402	7.4169	72.60	52.06	889.71	548502
WP533403	16.5521	68.13	52.62	379.71	SJGMC4
WP533404	13.7172	69.72	52.73	2472.79	533403
WP533405	0.1751	90.69	52.48	11070.95	533404
WP533501	1.8633	76.31	45.51	179648.84	533601
WP533502	72.4246	72.24	44.18	177568.30	110461
WP533531	1.8633	76.31	45.51	179648.84	533601
WP533532	72.4246	72.24	44.18	177568.30	110461
WP533601	71.0475	72.22	44.16	179032.20	533532
WP533811223.7267		70.37	47.16	39909.44	100441
WP533821218.6884		70.26	46.98	55927.62	536632
WP533931	0.5852	47.00	51.89	4843.16	SJGMC4
WP534001	3.6539	56.58	53.72	8495.36	534002
WP534002	4.4055	54.95	53.41	4415.88	SJGMC4
WP534111	41.6323	69.87	55.50	28968.89	CON242
WP534121	41.4676	69.87	55.50	29830.72	534201
WP534201	41.4867	69.87	55.50	29758.29	534111
WP534301	33.9739	69.70	51.73	39993.40	CON241
WP534302	8.6459	71.22	54.27	35356.91	534304
WP534303	8.6102	71.22	54.27	35846.32	534302
WP534304	9.5418	71.10	54.34	33781.12	502352
WP534331	8.6459	71.22	54.27	35356.91	534304
WP534401	40.2472	69.99	50.03	56434.05	422131
WP534501	47.9758	70.02	50.34	51631.23	525651
WP534601	57.0196	69.80	50.62	45368.36	P42162
WP534602	33.9253	69.70	51.73	40120.68	534301
WP534603	30.9775	69.84	51.58	44508.65	534902
WP534701	57.7389	69.78	50.64	44197.12	534801
WP534801	67.0277	69.81	50.87	42074.05	P42151
WP534901	32.5874	69.76	51.67	43327.12	534602
WP534902	31.4675	69.77	51.60	43749.25	534931
WP534903	31.6721	69.75	51.60	43634.39	534901
WP534931	31.6721	69.75	51.60	43634.39	534901
WP535001158.2043		73.59	49.09	12954.57	010443
WP535002	0.0031	92.00	49.80	14118.54	010444
WP535101106.6911		69.88	51.24	38250.04	535201
WP535201113.1406		69.88	51.39	31899.29	CON243
WP535301	0.3388	47.00	51.93	14014.35	SJGMC4
WP535401	16.1122	70.60	47.17	52813.66	535501
WP535501	84.6334	70.08	47.92	41309.49	CBALC2
WP535601	3.0114	68.74	49.87	21744.23	000011
WP535701	3.0114	68.74	49.87	21744.23	000011
WP535702	40.1707	72.14	48.33	20526.30	SJGMC4
WP535703	30.8326	69.48	49.82	18515.07	SJGMC4
WP535901	23.7646	71.34	47.52	45293.99	536001
WP536001	38.6484	72.23	48.26	23103.63	535702
WP536101	0.0001	92.00	47.91	60.00	SJGMC4
WP536151	0.1623	92.03	47.91	30.00	SJGMC4
**WP536152	0.0000	100.00	47.91	30.00	SJGMC4
WP536153	0.0083	92.96	47.91	0.00	SJGMC4
WP536154	0.0010	94.00	47.91	30.00	SJGMC4
WP536201	51.6234	70.30	49.46	14574.05	101731
WP536202	0.3200	68.28	49.73	14724.05	101731
WP536231	0.3200	68.28	49.73	14724.05	101731
WP536301	0.0001	100.00	49.80	30.00	SJGBC3
WP536302	0.1619	70.00	49.80	3416.47	SJGBC3
WP536303	0.1223	78.85	49.87	3349.19	SJGBC3
WP536351	1.4973	73.75	49.98	42.43	SJGMC4
WP536401	51.5146	72.10	48.29	49591.41	101342
WP536402	50.2112	72.02	48.25	50363.24	101341
WP5365P1	2.3299	78.50	45.75	172702.67	138041
WP536603223.4939		70.37	47.15	41405.53	533811
WP536632223.4939		70.37	47.15	41405.53	533811
WP536653176.7788		70.92	45.76	85623.69	533821
WP536901	46.1855	71.59	48.14	52143.88	536402
WP536951	46.1855	71.59	48.14	52143.88	536402
WP537931	0.3197	83.37	54.61	41882.51	536632
WP540001	0.3881	86.65	49.80	13171.85	010443
WP540051	2.7799	74.06	49.96	9617.79	010442
WP542901	3.6601	70.00	51.87	2913.75	013331
WP548501	6.9349	71.34	52.07	2417.94	533401
WP548502	7.4481	72.67	52.06	667.28	SJGMC4
WP557401	42.4513	70.26	49.43	18395.07	536201
WP559101	13.6735	72.78	50.56	8895.65	010441
WPCBALC2	87.7	69.95	48.11	35443.00	000011
WPCLPEC1	38.8	70.92	47.76	54929.08	536951
WPCON241106.5427		69.88	51.24	38769.44	535101
WPCON242	56.1293	70.09	55.28	28389.48	CON243

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WPCON243195.5739	69.77	52.84	22443.64	SJGMC4
WPP40101 47.6884	70.05	50.33	52410.34	534501
WPP41321 30.4497	69.91	51.57	46022.32	534603
WPP42151 67.0555	69.81	50.87	41911.62	525653
WPP42161 2.9294	70.00	52.14	45472.91	421631
WPP42162 57.2100	69.80	50.63	44861.38	525652
WPP42211 47.4844	70.07	50.32	52982.47	422151
WPSJGMC4 1004	68.54	50.01		
WPSJGBC3 415.0	74.04	49.60		
WP226403 43.000	70.13	31.32		226402
WP226402 47.000	70.13	31.32		226401
WP378303 0.049	58.38	31.61		378304
WP378304 0.049	58.38	31.61		378301
WP378331 0.049	58.38	31.61		378301

ED

**END OF FILE

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WAM INPUT FILE FOR 2050 WITHOUT SYSTEM OPERATIONS (.DAT FILE)

```

T1 2050 BRAZOS G WAM -- Brazos River Basin & San Jacinto-Brazos Coastal Basin
T2 System Operation model for WMP Modified for Brazos Trends Study - Year 2050
T3 No System Operations Version: SysOps excluded to calculate stand alone yields of BRA Reservoirs
**
** TWDB BRAZOS TRENDS STUDY - 2050 BRAZOS G WAM
**
** HDR modification from the 2020 and 2070 Brazos G WAM include the following:
**
** (1) 2050 return flow levels are included and linear interpolated from 2020 and 2070 levels included in Brazos G WAM.
** (2) SVSA records and conservation pool capacities updated for 2050 conditions for Aquilla, Granbury, Limestone, Sommersville,
PKR, Whitney
** (3) All other SVSA records were not modified and 2050 conservation pool capacities linear interpolated from 2020 and 2070
**
** Note: Modification made to the System Operations Model for development of the Brazos G WAMs are documented in the 2021 Brazos
G
** Water Plan and in the TWDB Brazos Trends Study final report.
**
** MODIFICATIONS BY FNI FOR WMP
** New Appropriations Run - Allens Creek, All return flows
**
** New appropriation determined at Richmond
**
** Modifications include
**
** (1) Zero 1949 Priority Brazos Electric Cooperative WR downstream of Belton (CP 293901)
** (5) Added option excluding released water for Hale clause rights (now in cc 34 instead of 44)
** (6) Modified Stillhouse-Georgetown pipeline, Belton to Stillhouse pipeline as well
** (7) BRA System Operation based on application run, but with demand at expected locations
** (8) Demands are full use of existing contracts plus new needs identified in regional water plans
**
** FNI modifications can be found by searching for the string "FNI change"
**
**
** JD FIELDS
** NYRS YRST ICHECK CPOUT OUTWR IDSET ADJINC NEGINC EPADJ
JD 76 1940 1 0 0 5 -1
**JO 2 3
JO 2 3
**JO 1 2
**
** UC RECORDS
**
UCLYTEST 116 112 100 148 738 1142
UC 354 210 500 270 177 148
** DOUBLE MOUNTAIN FORK NEAR ASPERMONT
UCDM-SUB 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCDM-DRY 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCDM-AVG 246 224 184 178 184 178
UC 123 123 119 123 238 246
UCDM-WET 921 839 491 475 491 475
UC 430 430 416 430 891 921
** SALT FORK NEAR ASPERMONT
UCSF-SUB 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCSF-DRY 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCSF-AVG 246 224 123 119 123 119
UC 61 61 59 61 238 246
UCSF-WET 552 503 307 297 307 297
UC 184 184 178 184 535 552
** BRAZOS RIVER NEAR SEYMOUR
UCSM-SUB 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCSM-DRY 614 559 430 416 430 416
UC 246 246 238 246 594 614
UCSM-AVG 1535 1398 1166 1129 1166 1129
UC 798 798 772 798 1485 1535
UCSM-WET 2823 2573 2148 2079 2148 2079
UC 1964 1964 1901 1964 2732 2823
** CLEAR FORK AT NUGENT
UCNU-SUB 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCNU-DRY 307 280 184 178 184 178
UC 61 61 59 61 297 307
UCNU-AVG 491 447 368 356 368 356
UC 246 246 238 246 475 491
UCNU-WET 798 727 737 713 737 713
UC 552 552 535 552 772 798
** CLEAR FORK AT LUEDERS

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UCLU-SUB	61	56	61	59	61	59
UC	61	61	59	61	59	61
UCLU-DRY	430	392	246	238	246	238
UC	61	61	59	61	416	430
UCLU-AVG	614	559	430	416	430	416
UC	307	307	297	307	594	614
UCLU-WET	982	895	921	891	921	891
UC	675	675	653	675	950	982
** BRAZOS NEAR SOUTH BEND						
UCSB-SUB	61	56	61	59	61	59
UC	61	61	59	61	59	61
UCSB-DRY	2210	2014	1780	1723	1780	1723
UC	982	982	950	982	2138	2210
UCSB-AVG	4481	4083	3683	3564	3683	3564
UC	2823	2823	2732	2823	4336	4481
UCSB-WET	7366	6712	6138	5940	6138	5940
UC	5831	5831	5643	5831	7128	7366
** BRAZOS NEAR PALO PINTO						
UCPP-SUB	1043	951	1043	1010	1043	1010
UC	1043	1043	1010	1043	1010	1043
UCPP-DRY	2455	2237	2394	2317	2394	2317
UC	2455	2455	2376	2455	2376	2455
UCPP-AVG	3744	3412	4604	4455	4604	4455
UC	4419	4419	4277	4419	3623	3744
UCPP-WET	6138	5594	7366	7128	7366	7128
UC	7366	7366	7128	7366	5940	6138
** BRAZOS NEAR GLEN ROSE						
UCGR-SUB	982	895	982	950	982	950
UC	982	982	950	982	950	982
UCGR-DRY	2578	2349	2885	2792	2885	2792
UC	2271	2271	2198	2271	2495	2578
UCGR-AVG	4726	4307	5647	5465	5647	5465
UC	4297	4297	4158	4297	4574	4726
UCGR-WET	9821	8950	10435	10098	10435	10098
UC	9821	9821	9504	9821	9504	9821
** NORTH BOSQUE RIVER NEAR CLIFTON						
UCNB-SUB	61	56	61	59	61	59
UC	61	61	59	61	59	61
UCNB-DRY	307	280	430	416	430	416
UC	184	184	178	184	297	307
UCNB-AVG	737	671	982	950	982	950
UC	491	491	475	491	713	737
UCNB-WET	1535	1398	2026	1960	2026	1960
UC	1043	1043	1010	1043	1485	1535
** BRAZOS AT WACO						
UCWA-SUB	3437	3132	3437	3326	3437	3326
UC	3437	3437	3326	3437	3326	3437
UCWA-DRY	7366	6712	9207	8910	9207	8910
UC	8593	8593	8316	8593	7128	7366
UCWA-AVG	12890	11746	16573	16038	16573	16038
UC	15345	15345	14850	15345	12474	12890
UCWA-WET	29462	26849	42352	40986	42352	40986
UC	36214	36214	35046	36214	28512	29462
** LEON RIVER AT GATESVILLE						
UCGT-SUB	61	56	61	59	61	59
UC	61	61	59	61	59	61
UCGT-DRY	552	503	614	594	614	594
UC	246	246	238	246	535	552
UCGT-AVG	1228	1119	1473	1426	1473	1426
UC	737	737	713	737	1188	1228
UCGT-WET	3192	2909	3315	3208	3315	3208
UC	1657	1657	1604	1657	3089	3192
** LAMPASAS RIVER NEAR KEMPNER						
UCLA-SUB	614	559	614	594	614	594
UC	614	614	594	614	594	614
UCLA-DRY	1105	1007	1289	1247	1289	1247
UC	982	982	950	982	1069	1105
UCLA-AVG	1657	1510	1780	1723	1780	1723
UC	1412	1412	1366	1412	1604	1657
UCLA-WET	2394	2181	2639	2554	2639	2554
UC	1964	1964	1901	1964	2317	2394
** LITTLE RIVER NEAR LITTLE RIVER						
UCLR-SUB	3376	3076	3376	3267	3376	3267
UC	3376	3376	3267	3376	3267	3376
UCLR-DRY	5033	4587	5831	5643	5831	5643
UC	5156	5156	4990	5156	4871	5033
UCLR-AVG	6752	6153	9207	8910	9207	8910
UC	7366	7366	7128	7366	6534	6752
UCLR-WET	11662	10628	20869	20196	20869	20196
UC	12276	12276	11880	12276	11286	11662
** LITTLE RIVER NEAR CAMERON						
UCCA-SUB	1964	1790	1964	1901	1964	1901
UC	1964	1964	1901	1964	1901	1964
UCCA-DRY	6752	6153	8593	8316	8593	8316

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UC	5954	5954	5762	5954	6534	6752
UCCA-AVG	11662	10628	19028	18414	19028	18414
UC	9821	9821	9504	9821	11286	11662
UCCA-WET	28235	25730	46649	45144	46649	45144
UC	20255	20255	19602	20255	27324	28235
** BRAZOS AT BRYAN						
UCBR-SUB	18414	16781	18414	17820	18414	17820
UC	18414	18414	17820	18414	17820	18414
UCBR-DRY	33145	30205	43580	42174	43580	42174
UC	38669	38669	37422	38669	32076	33145
UCBR-AVG	52787	48104	77339	74844	77339	74844
UC	56470	56470	54648	56470	51084	52787
UCBR-WET	108029	98446	150995	146124	150995	146124
UC	90229	90229	87318	90229	104544	108029
** NAVASOTA RIVER NEAR EASTERLY						
UCEA-SUB	61	56	61	59	61	59
UC	61	61	59	61	59	61
UCEA-DRY	552	503	614	594	614	594
UC	184	184	178	184	535	552
UCEA-AVG	859	783	1166	1129	1166	1129
UC	491	491	475	491	832	859
UCEA-WET	1412	1287	1780	1723	1780	1723
UC	982	982	950	982	1366	1412
** BRAZOS AT HEMPSTEAD						
UCHE-SUB	31304	28527	31304	30294	31304	30294
UC	31304	31304	30294	31304	30294	31304
UCHE-DRY	56470	51460	69359	67122	69359	67122
UC	58311	58311	56430	58311	54648	56470
UCHE-AVG	88387	80546	116622	112860	116622	112860
UC	81635	81635	79002	81635	85536	88387
UCHE-WET	177388	161652	211147	204336	211147	204336
UC	125829	125829	121770	125829	171666	177388
** BRAZOS AT RICHMOND						
UCRC-SUB	33759	30764	33759	32670	33759	32670
UC	33759	33759	32670	33759	32670	33759
UCRC-DRY	60766	55376	73042	70686	73042	70686
UC	57083	57083	55242	57083	58806	60766
UCRC-AVG	101277	92293	131353	127116	131353	127116
UC	81635	81635	79002	81635	98010	101277
UCRC-WET	203168	185145	244292	236412	244292	236412
UC	134422	134422	130086	134422	196614	203168
** BRAZOS AT ROSHARON						
UCRO-SUB	26393	24052	26393	25542	26393	25542
UC	26393	26393	25542	26393	25542	26393
UCRO-DRY	69973	63766	76725	74250	76725	74250
UC	57083	57083	55242	57083	67716	69973
UCRO-AVG	128284	116904	157747	152658	157747	152658
UC	87160	87160	84348	87160	124146	128284
UCRO-WET	288486	262895	290942	281556	290941	281556
UC	161429	161429	156222	161429	279180	288486
**						
** FNI change - new UC records						
UC DAYS	31.	28.25	31.	30.	31.	30.
UC	31.	31.	30.	31.	30.	31.
** PK FERC						
UCPKFERC	0.05813	0.05297	0.11626	0.11252	0.11626	0.11252
UC	0.08721	0.08721	0.08439	0.05813	0.05626	0.05813
** Stillhouse GT pipeline						
UC PIPE	0.07	0.07	0.07	0.08	0.09	0.09
UC	0.10	0.10	0.09	0.08	0.08	0.08
**						
**City of Waco, App. 5840, IO, 8/8/06						
UCIFWCRE	20163.	19489.	31413.	31827.	41740.	38490.
UC	30129.	30129.	14337.	10696.	7496.	17643.
**						
**City of Cleburne, Instream Flow Restriction, App. No. 12-4106C, FM, 3/31/05						
UC4106IF	197	178	498	482	498	262
UC	74	74	71	74	71	74
**						
** end FNI change						
** Smiling Mallard Development, 5788, sj						
UCIF5788	1.84	1.67	3.69	1.79	1.84	0.60
UC	0.00	0.00	0.00	0.00	0.00	0.62
** TXU Kosse Lignite, 5931, 9/29/06, io						
UC 5931	75	75	85	85	90	90
UC	90	90	85	85	75	75
**						
UC MERID	11	14	37	40	64	40
UC	11	4	6	5	8	9
** Bandy, Monthly Diversion Distribution, 12-4191, jd - 3/30/04						
UC BANDY	0.03	0.03	0.05	0.08	0.10	0.12
UC	0.15	0.15	0.15	0.08	0.03	0.03
**Alcoa Inc., App. 12-5816, 8/24/05, io						
UC5816DI	0	0	54	54	54	108

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UC	108	109	55	54	54	0
**Alcoa Inc., Monthly Diversion Distribution, 12-5803, FM-12/29/03						
UC ALCOA	0	0	54	54	54	108
UC	108	109	55	54	54	0
**John & Ida Taylor Instream Flow Restriction, 12-2996a, jd - 10/16/03						
UCTAYLIF	14	14	33	33	54	33
UC	14	14	14	14	14	14
**John & Ida Taylor Diversion Distribution, 12-2996a, jd - 10/16/03						
UCTAYLOR	0	0	5	5	8	10
UC	11	11	6	0	0	0
**						
**Ed Johnson - Instream Flow Restriction, app. 5791, io						
UC5791IF	31	28	31	30	31	30
UC	31	31	30	31	30	31
**Ed Johnson - Demand Distribution, app. 5791, io						
UC5791DD	0.	0.	0.	0.	20.	40.
UC	40.	40.	20.	0.	0.	0.
**						
** IF records for Larry Adams Amend 12-3653A						
UC 3653A	238	238	773	773	1725	1725
UC	238	238	238	238	238	238
UC 3653B	297	297	892	892	2082	2082
UC	297	297	297	297	297	297
** UC for Lesley amend 12-2221A - JD 12/11/02						
UC 2221A	2.46	3.28	4.10	9.84	8.2	8.2
UC	8.2	7.38	10.66	10.66	4.92	4.1
** IF for Lesley amend 12-2221A						
UC2221IF	.5	.5	1.5	1.5	3.5	3.5
UC	.5	.5	.5	.5	.5	.5
**						
**App. No. 12-2991A						
UC2991IF	41	51	126	162	269	154
UC	29	6	9	12	18	31
** UC FOR APPLICATION 5767, HERMAN STROUD						
UC576741	0	0	0	0	12.5	25
UC	25	25	12.5	0	0	0
** UC FOR INSTREAM FLOW RESTRICTION FOR HERMAN STROUD, APP 5767						
UC5767IF	5410	3776	7746	8388	17520	23380
UC	13401	12848	10827	6270	4733	4856
**						
** UC for Clark diversion A5795						
UC CLARK	0.5	1.0	1.5	1.5	2.0	2.5
UC	3.5	4.5	3.0	2.0	0.5	0.5
**						
** UC FOR GAVRONOVIC, APPLICATION 5752						
UC 5752	94	120	211	211	258	331
UC	331	250	216	216	115	107
** UC FOR GAVRONOVIC IF ON OLD RIVER, APP 5752						
UC GAVIF	277	250	461	446	461	268
UC	61	61	59	61	59	277
** UC FOR GAVRONOVIC IF ON BRAZOS RIVER, APP 5752						
UC5752IF	69834	84168	124310	137070	272924	196320
UC	80786	52731	51390	45136	43680	58528
**						
** UC FOR INSTREAM FLOW RESTRICTION FOR SOMERVELL COUNTY WATER DISTRICT APP 5744						
UC5744IF	412	439	885	857	1672	1041
UC	381	191	220	258	345	357
**						
**Application 5665, Paul Weinman.						
**UC for IF restrictions						
**UCIF5665	61473	94391	79915	160623	328881	196317
**UC	92210	49178	80331	49178	56516	73768
**Applicant requested that point for measuring IF be moved to USGS gage 08114000. Reversed proration back to gage.						
UCIF5665	1050	1750	1300	2750	5450	3350
UC	1500	850	1400	900	950	1200
**						
** UC FOR LAKEVIEW GOLF COURSE FLOW RESTRICTION						
UC IFLGC	615	555	1906	1844	3627	1844
UC	615	369	357	369	357	369
** UC RECORD FOR LAKEVIEW GOLF COURSE DIVERSION						
UC LGC	0	0	2	2	2	4
UC	4	4	2	0	0	0
** UC Records added/changed by adding P2925, TWDB, et al.						
UCMEDIAN	6.058	9.202	7.652	10.512	21.388	12.740
UC	5.938	3.256	5.239	5.251	5.568	7.196
UC25THPT	5.504	9.143	7.668	10.139	18.037	14.344
UC	6.503	4.191	6.100	6.269	6.078	6.024
UC 7Q2	8.493	7.671	8.493	8.219	8.493	8.219
UC	8.493	8.493	8.219	8.493	8.219	8.493
UCALDSWR	7.700	6.955	7.864	8.267	8.542	9.532
UC	9.850	9.850	8.267	7.864	7.611	7.700
**						
** UC Records added/changed by adding P5686, COASTAL BEND PROPERTY DEVELOPMENT						

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UCIFD129	338.	305.	338.	327.	338.	327.
UC	129.	129.	125.	129.	125.	129.
**						
** UC Records added/changed by adding P5729, MICHAEL & FAYE HORTON.						
UCIFD076	553.	1055.	2275.	2201.	5410.	5236.
UC	1168.	553.	535.	553.	535.	1168.
**						
** UC Records added/changed by adding C3775, LLOYD E LEIFESTE ET UX.						
UCIFD08D	8116.	7331.	29146.	28205.	62718.	28205.
UC	29146.	8116.	7855.	8116.	7855.	8116.
**						
** UC Records added/changed by adding P5692, Walter Exploration Inc.						
UCIFD011	68.	61.	68.	65.	922.	893.
UC	271.	271.	262.	271.	107.	111.
** UC Records added/changed by modifying C4355, City of Marlin.						
UC MUNRE	0.032	0.031	0.033	0.034	0.123	0.157
UC	0.167	0.159	0.150	0.043	0.036	0.034
UC MUNRI	0.131	0.127	0.133	0.139	0.000	0.000
UC	0.000	0.000	0.000	0.180	0.150	0.139
UC INDRI	0.143	0.143	0.143	0.143	0.000	0.000
UC	0.000	0.000	0.000	0.143	0.143	0.143
** FNI change - BRA contract for Marlin, divert when Marlin Brazos right cannot						
**						
UCmarlin	0.	0.	0.	0.	1.	1.
UC	1.	1.	1.	0.	0.	0.
**						
**						
UC HYD3	31.	28.	31.	30.	31.	30.
UC	31.	31.	30.	31.	30.	31.
UC HYD2	31.	28.	31.	30.	31.	30.
UC	31.	31.	30.	31.	30.	31.
UC MIN1	31.	28.	31.	30.	31.	30.
UC	31.	31.	30.	31.	30.	31.
UC MIN2	31.	28.	31.	30.	31.	30.
UC	31.	31.	30.	31.	30.	31.
UC MIN3	31.	28.	31.	30.	31.	30.
UC	31.	31.	30.	31.	30.	31.
UC MIN4	31.	28.	31.	30.	31.	30.
UC	31.	31.	30.	31.	30.	31.
UC IRR1	0.024	0.033	0.050	0.058	0.082	0.182
UC	0.201	0.178	0.087	0.046	0.036	0.023
UC IRR2	0.005	0.007	0.017	0.033	0.092	0.163
UC	0.267	0.235	0.117	0.044	0.014	0.007
UC IRR3	0.005	0.008	0.018	0.032	0.075	0.189
UC	0.304	0.253	0.079	0.022	0.008	0.007
UC IRR4	0.006	0.009	0.018	0.056	0.110	0.203
UC	0.239	0.209	0.069	0.046	0.028	0.007
UC IND1	0.054	0.060	0.070	0.083	0.094	0.105
UC	0.113	0.106	0.096	0.083	0.072	0.062
UC IND2	0.054	0.060	0.070	0.083	0.094	0.105
UC	0.113	0.106	0.096	0.083	0.072	0.062
UC IND3	0.058	0.077	0.087	0.097	0.107	0.124
UC	0.128	0.124	0.078	0.041	0.038	0.041
UC IND4	0.058	0.077	0.087	0.097	0.107	0.124
UC	0.128	0.124	0.078	0.041	0.038	0.041
UC MUN1	0.066	0.064	0.071	0.077	0.092	0.100
UC	0.115	0.104	0.092	0.079	0.070	0.068
UC MUN2	0.065	0.063	0.068	0.072	0.085	0.093
UC	0.118	0.114	0.095	0.087	0.071	0.069
UC MUN3	0.065	0.063	0.066	0.069	0.082	0.105
UC	0.111	0.106	0.100	0.089	0.074	0.069
UC MUN4	0.063	0.066	0.074	0.082	0.091	0.099
UC	0.108	0.103	0.094	0.085	0.073	0.063
** UC for Whitney Res Only						
UC WHIT1	0.0579	0.061	0.0704	0.0789	0.0766	0.073
UC	0.134	0.1287	0.095	0.0844	0.0715	0.0644
UC D&L1	0.066	0.064	0.071	0.077	0.092	0.100
UC	0.115	0.104	0.092	0.079	0.070	0.068
UC D&L2	0.065	0.063	0.068	0.072	0.085	0.093
UC	0.118	0.114	0.095	0.087	0.071	0.069
UC D&L3	0.065	0.063	0.066	0.069	0.082	0.105
UC	0.111	0.106	0.100	0.089	0.074	0.069
UC D&L4	0.063	0.066	0.074	0.082	0.091	0.099
UC	0.108	0.103	0.094	0.085	0.073	0.063
UCMAY AUG	0.	0.	0.	0.	31.	30.
UC	31.	31.	0.	0.	0.	0.
UCIFD031	0.	0.	0.	0.	0.	59505.
UC	61489.	61489.	59505.	0.	0.	0.
UCIFD041	0.	0.	0.	0.	0.	0.
UC	31.	31.	30.	0.	0.	0.
UCIFD042	0.	0.	0.	0.	0.	30.
UC	31.	31.	30.	31.	30.	31.
UCIFD051	4919.	4433.	4919.	26777.	27670.	26777.
UC	27270.	27670.	4760.	4919.	4760.	4919.

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UCIFD061	61.	56.	61.	119.	123.	119.
UC	123.	123.	119.	61.	60.	61.
UCIFD062	148.	133.	148.	143.	148.	143.
UC	61.	61.	60.	61.	60.	61.
UCIFD063	246.	222.	246.	238.	387.	375.
UC	387.	387.	375.	246.	238.	246.
UCIFD064	861.	778.	861.	833.	861.	833.
UC	861.	861.	833.	861.	833.	861.
UCIFD065	369.	333.	369.	357.	369.	357.
UC	215.	215.	208.	215.	208.	369.
UCIFD066	307.	278.	307.	298.	307.	298.
UC	307.	307.	298.	307.	298.	307.
UCIFD067	553.	778.	1223.	1369.	1414.	1369.
UC	246.	246.	238.	246.	238.	246.
UCIFD068	861.	778.	861.	1666.	1722.	1666.
UC	1722.	1722.	1666.	861.	833.	861.
UCIFD072	209.	189.	209.	458.	473.	458.
UC	473.	473.	202.	209.	202.	209.
UCIFD073	203.	183.	203.	458.	473.	458.
UC	473.	473.	196.	203.	196.	203.
UCIFD074	184.	167.	184.	417.	430.	417.
UC	430.	430.	179.	184.	179.	184.
UCIFD075	480.	433.	904.	875.	904.	875.
UC	904.	904.	875.	480.	464.	480.
UCIFD081	615.	555.	615.	595.	615.	595.
UC	615.	615.	595.	615.	595.	615.
UCIFD082	738.	666.	738.	2261.	2337.	2261.
UC	738.	738.	714.	738.	714.	738.
UCIFD083	369.	333.	369.	357.	369.	357.
UC	369.	369.	357.	369.	357.	369.
UCIFD084	1107.	1000.	1107.	1071.	1107.	1071.
UC	1107.	1107.	1071.	1107.	1071.	1107.
UCIFD085	4181.	3777.	15987.	15471.	25333.	24516.
UC	15987.	4181.	4046.	4181.	4046.	4181.
UCIFD086	1230.	1111.	1230.	3273.	3382.	3273.
UC	3382.	3382.	1190.	1230.	1190.	1230.
UCIFD087	1906.	1722.	1906.	1845.	1906.	1845.
UC	1906.	1906.	1845.	1906.	1845.	1906.
UCIFD088	9592.	8664.	9592.	26361.	27239.	26361.
UC	27239.	27239.	9283.	9592.	9283.	9592.
UCIFD089	2152.	1944.	2152.	2083.	2152.	2083.
UC	2152.	2152.	2083.	2152.	2083.	2152.
UCIFD08A	307.	278.	307.	476.	492.	476.
UC	492.	492.	298.	307.	298.	307.
UCIFD08B	922.	833.	922.	1190.	1230.	1190.
UC	1230.	1230.	893.	922.	893.	922.
UCIFD08C	37.	56.	61.	60.	61.	60.
UC	37.	37.	36.	37.	36.	37.
UCIFD091	6149.	5554.	6149.	29158.	30129.	29158.
UC	30129.	30129.	5951.	6149.	5951.	6149.
UCIFD092	4919.	4443.	4919.	19042.	19676.	19042.
UC	19676.	19676.	4760.	4919.	4760.	4919.
UCIFD093	7379.	6665.	7379.	36298.	37508.	36298.
UC	37508.	37508.	7141.	7379.	7141.	7379.
UCIFD094	10269.	9275.	10269.	36298.	37508.	36298.
UC	37508.	37508.	9937.	10269.	9937.	10269.
UCIFD095	11006.	9941.	11006.	37488.	38738.	37488.
UC	38738.	38738.	10651.	11006.	10651.	11006.
UCIFD096	6764.	6109.	6764.	27372.	28285.	27372.
UC	28285.	28285.	6546.	6764.	6546.	6764.
UCIFD097	10269.	9275.	10269.	41058.	42427.	41058.
UC	42427.	42427.	9937.	10269.	9937.	10269.
UCIFD098	7379.	6665.	7379.	28562.	29514.	28562.
UC	29514.	29514.	7141.	7379.	7141.	7379.
UCIFD099	7379.	6665.	7379.	37488.	38738.	37488.
UC	38738.	38738.	7141.	7379.	7141.	7379.
UCIFD09A	10269.	9275.	10269.	36893.	38123.	36893.
UC	38123.	38123.	9937.	10269.	9937.	10269.
UCIFD09B	15987.	14440.	15987.	55935.	57799.	55935.
UC	57799.	57799.	55935.	15987.	15471.	15987.
UCIFD09C	16602.	14995.	16602.	66051.	68252.	66051.
UC	68252.	68252.	16066.	16602.	16066.	16602.
UCIFD09D	25825.	23325.	25825.	85687.	88543.	85687.
UC	88543.	88543.	24992.	25825.	24992.	25825.
UCIFD09E	0.	0.	0.	0.	42427.	41058.
UC	42427.	42427.	41058.	0.	0.	0.
UCIFD09F	10269.	9275.	10269.	37488.	38738.	37488.
UC	38738.	38738.	9937.	10269.	9937.	10269.
UCIFD101	4181.	6054.	6702.	6486.	6702.	2202.
UC	553.	553.	536.	553.	2202.	4181.
UCIFD102	4796.	4332.	4796.	4641.	4796.	1250.
UC	1291.	1291.	1250.	1291.	1250.	4796.
UCIFD103	15.	15.	15.	15.	15.	15.
UC	15.	15.	15.	15.	15.	15.

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UCIFD104	1168.	1055.	1168.	1666.	1722.	1666.
UC	1722.	1722.	1666.	1168.	1131.	1168.
UCIFD111	25210.	22771.	25210.	75571.	78090.	75571.
UC	78090.	78090.	24397.	25210.	24397.	25210.
UCIFD112	25825.	23326.	25825.	85687.	88543.	85687.
UC	88543.	88543.	24992.	25825.	24992.	25825.
UCIFD113	55340.	49984.	55340.	67241.	69482.	67241.
UC	69482.	69482.	53555.	55340.	53555.	55340.
UCIFD114	30744.	27769.	30744.	67241.	69482.	67241.
UC	69482.	69482.	29753.	30744.	29753.	30744.
UCIFD115	307.	278.	307.	893.	922.	893.
UC	922.	922.	298.	307.	298.	307.
UCIFD116	30744.	27769.	30744.	67538.	69789.	67538.
UC	69789.	69789.	29753.	30744.	29753.	30744.
UCIFD121	184.	167.	184.	595.	615.	595.
UC	615.	615.	595.	184.	179.	184.
UCIFD122	184.	167.	184.	1428.	1476.	1428.
UC	1476.	1476.	1428.	184.	179.	184.
UCIFD128	184.	167.	184.	1012.	1045.	1012.
UC	1045.	1045.	1012.	184.	179.	184.
UCIFD123	123.	111.	123.	536.	553.	536.
UC	553.	553.	536.	123.	119.	123.
UCIFD124	92.	83.	92.	536.	553.	536.
UC	553.	553.	536.	92.	89.	92.
UCIFD125	123.	111.	123.	476.	492.	476.
UC	492.	492.	476.	123.	119.	123.
UCIFD126	154.	139.	154.	714.	738.	714.
UC	738.	738.	714.	154.	149.	154.
UCIFD127	0.	0.	0.	262.	271.	262.
UC	271.	271.	262.	0.	0.	0.
UC UNIFO	31.	28.	31.	30.	31.	30.
UC	31.	31.	30.	31.	30.	31.

**
** RF RECORDS

RFR36931	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR41791	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFRABIL1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR42131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR42132	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR42021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR42111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR34441	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR34501	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR34581	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR43551	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR40311	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51561	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
** Return flow factor for Paluxy Reservoir which is not modeled.						
**RFR42371	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
**RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR41061	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR43601	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51581	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR50941	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR34701	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51591	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFRBLSH1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51621	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51631	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR37611	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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RFR51641	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR52871	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR52891	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR52911	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR53661	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51711	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

**

** CP RECORDS

**	2	3	4	5	6	7	8	9	10	11
**CPID	D/S	CPDT(1)	CPDT(2)	INMETHOD	CPIN			EWA	CL	INWS

**

** Smiling Mallard Development, 5788, 4/29/07, added into WAM on 8/27/07, sj

CP578831 CON146 6 375931 0.0000

** TXU Kosse Lignite, 5931, 9/29/06, io

CP593101 CON134 6 406331 0.0000

CP593102 CON134 6 406331 0.0000

CP593103 CON134 6 406331 0.0000

CP593104 CON134 6 406331 0.0000

CP593105 CON134 6 406331 0.0000

** App 5858 TMPA 10/21/04 SD

CP585830 513233 6 375931 0.0

CP585831 531201 6 375931 0.0

CP585832 024603 6 375931 0.0000

CP585835 505331 6 375931 0.0000

CP585836 505336 6 375931 0.0000

CP585838 CON144 6 375931 0.0000

CP585839 557011 6 375931 0.0000

CP58583A 024604 6 375931 0.0000

**Revision 12/29/2005

**Dummys added to model TMPA water rights.

CPDUMMY1 OUT 2 NONE NONE -3. 0.0000

**

**App. 5866, Harris County FCD, 9/29/2005 mt

CP586631 523001 6 401041 0.0000

**

**NNP Teravista, app. 5667B, 11/13/03, io

CP566732 416621 6 299231 0.0000

CP566731 416621 6 299231 0.0000

CP566734 416621 6 299231 0.0000

**

**Alcoa 12191 SD

CP121911 MYDB60 6 299231 0.0

CP121901 MYDB60 6 299231 0.0000

CP121902 MYDB60 6 299231 0.0000

**

**Alcoa Inc., App. 12-5816, 8/24/05, io

CP581601 121901 6 375931 0.0000

** John & Ida Taylor Amendment 12-2996a, 10/16/2003, jd

** Additional diversion point for 2996 is between 299011 and CON094

**CP299011 CON094 6 NONE 0.0010

CP299011 299602 6 NONE 0.0007

**

** John & Ida Taylor, 12-2996a - jd

CP299602 CON094 6 NONE 0.0003

**Ed Johnson, app. 5791, io

CP579131 579101 6 375931 0.0000

CP579132 579101 6 375931 0.0000

CP579101 CON125 6 375931 0.0000

**

CPALLEN1 OUT 2 NONE NONE -3. 0.0000

** Clark Gardens Application 5795 Diversion surface 23

CP A5759 CON045 6 220131 0.0000

** new cp for TXU Mining, application 5770

CP577001 02881B 6 406331 0.0000

**

**Application 5767, Herman Stroud. Divert 70 ac-ft into off-channel reservoir complex. Subsequent

**diversion from reservoirs for irrigation.

CP576701 BRDE29 6 NONE 0.0000

**Two off-channel reservoirs were modeled as one complex.

CP576741 OUT 2 NONE 227031 -3. 0.0000

**

** West Central Texas Municipal Water District, Application 12-4213C

** This amendment authorized 5000 acre-feet of water from water right 4213

** that will be piped to Fort Phantom Hill reservoir (12-4161)

** Computational cp for WCTMWD, Application 4213C

CPWCTMWD OUT 2 NONE NONE -3.

**

*** TMPA (Tx Municipal Power) App 5741, 5738

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TWDB Contract Number 2100012466

CP574132	573831	6	375931	0.0000
CP573831	513232	6	375931	0.0000
CP574131	CON144	6	375931	0.0000
**				
** FAKE CP FOR SOMERVELL COUNTY WATER DISTRICT, application 5744				
CP SCWD	OUT	2	NONE NONE	-3.
**				
**Application 5665, Paul Weinman. App to divert 2448 into off-channel reservoir complex for wetlands (duck habitat).				
CP566501	CON151	6	401041	0.0015
**401041 was used to calculate evap since it was the closest reservoir with approximately the same size.				
CP566541	OUT	2	NONE 401041	-3. 0.0000
CP566502	566501	6	NONE	0.0003
**				
** FAKE CP FOR LAKEVIEW GOLF CLUB DIVERSION, Application 12-4318B				
CPLGCALT	OUT	2	NONE NONE	-3.
** CP Records added/changed for C4114, THOMAS BROTHERS GRASS, LTD				
CP405401	411402	6	NONE	0.0001
CP411402	406202	6	NONE	0.0000
CP406202	411403	6	NONE	0.0006
CP411403	406203	6	NONE	0.0000
CP406203	CON191	6	NONE	0.0003
CPCON049	411404	6	NONE	0.0000
CP411404	406204	6	NONE	0.0000
CP406204	CON192	6	NONE	0.0000
** CP Records added/changed for C4052, TXI OPERATIONS				
CPCON048	405202	6	NONE	0.0000
CP405202	405201	6	NONE	0.0000
** CP Records changed by adding P5686, COASTAL BEND PROPERTY DEVELOPMENT				
CP101342	568601	2	NONE NONE	-3. 0.0000
CP568601	115711	6	NONE	0.0000
CP568661	568641	2	NONE NONE	-3. 0.0000
CP568641	OUT	2	NONE 401041	-3. 0.0000
** CP Records added/changed for C5357, CHOCOLATE BAYOU WATER COMPANY				
CPCBALC2	CON251	1	NONE	-3. 0.0000
CPCON251	000011	6	NONE	0.0000
CP535701	CON251	6	NONE	0.0000
** CP Records added/changed by adding P5729, MICHAEL & FAYE HORTON.				
CP290401	572901	6	NONE	0.0002
CP572901	CON089	6	NONE	0.0028
CP572961	572941	2	NONE NONE	-3. 0.0000
CP572941	OUT	2	NONE 228731	-3. 0.0000
** CP Records added/changed for P5567, SAND SUPPLY INC.				
CPCON154	556712	6	NONE	0.0001
CP556712	555201	6	NONE	0.0019
CPCON235	556722	6	NONE	0.0015
CP556722	CON154	6	NONE	0.0005
CP511051	556722	2	NONE NONE	-3. 0.0000
** CP Records added/changed by adding P5714, CITY OF PEARLAND.				
CP123321	571451	2	NONE NONE	-3. 0.0000
CP571451	571401	2	NONE NONE	-3. 0.0000
CP571401	571402	6	NONE	0.0000
CP571402	115711	6	NONE	0.0000
** CP Records added/changed for C4169, RICHARD SCHKADE.				
CP416901	416902	6	NONE	0.0000
CP416902	417001	6	NONE	0.0000
** CP Records added/changed for C3775, LLOYD E LEIFESTE ET UX.				
CP377502	377521	6	NONE	0.0004
CP377521	377501	6	NONE	0.0006
CP377501	377511	6	NONE	0.0004
CP377511	CON111	6	NONE	0.0096
** CP Records added/changed for P5692, Walter Exploration Inc.				
** Double Mountain Fork near Aspermont				
**CPDMAS09	569204	1	NONE	-3. 0.0020
CPDMAS09	DMSUBS	1	NONE	-3.
CPDMSUBS	DM-DRY	2	DMAS09	NONE -3.
CPDM-DRY	DM-AVG	2	DMAS09	NONE -3.
CPDM-AVG	DM-WET	2	DMAS09	NONE -3.
CPDM-WET	DMDPUL	2	DMAS09	NONE -3.
CPDMDPUL	DMAFUL	2	DMAS09	NONE -3.
CPDMAFUL	DMWPUL	2	DMAS09	NONE -3.
CPDMWPUL	569204	2	DMAS09	NONE -3. 0.0020
**				
CP569204	569203	6	NONE	0.0002
CP569203	569202	6	NONE	0.0002
CP569202	569201	6	NONE	0.0002
CP569201	528201	6	NONE	0.0355
** CP Records added/changed for C2276, Louis A Beecher1, Jr.				
CP227302	227603	6	227031	0.0000
CP227603	227633	6	NONE	0.0000
CP227633	227622	6	227031	0.0000
CP227622	227604	6	NONE	0.0000
CP227602	227632	6	NONE	0.0000
CP227632	227621	6	227031	0.0000
CP227621	227611	6	NONE	0.0000

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CP227611	227604	6	NONE	0.0000
CP227604	227634	6	NONE	0.0000
CP227612	227634	6	NONE	0.0000
CP227634	22760B	6	227031	0.0000
CP22760B	22763B	6	NONE	0.0000
CP22763B	227626	6	227031	0.0000
CP227626	227616	6	NONE	0.0000
CP227613	227616	6	227031	0.0000
CP22760A	22763A	6	NONE	0.0000
CP22763A	227625	6	227031	0.0000
CP227625	227615	6	NONE	0.0000
CP227615	227616	6	NONE	0.0000
CP227616	227601	6	227031	0.0000
CP227601	227631	6	NONE	0.0000
CP227631	227701	6	227031	0.0000
CP227605	227635	6	NONE	0.0000
CP227606	227636	6	NONE	0.0000
CP227607	227637	6	NONE	0.0000
CP227608	227638	6	NONE	0.0000
CP227609	227639	6	NONE	0.0000
CP227614	227613	6	NONE	0.0000
CP227623	227608	6	NONE	0.0000
CP227624	227614	6	NONE	0.0000
CP227635	227608	6	227031	0.0000
CP227636	227623	6	227031	0.0000
CP227637	227608	6	227031	0.0000
CP227638	227614	6	227031	0.0000
CP227639	227624	6	227031	0.0000
** CP Records added/changed for C4179, City of Stamford.				
CPCON027	417906	6	NONE	0.0015
CP417906	417933	6	NONE	0.0000
CP417933	CON028	6	413331	0.0326
**				
CP366401	366431	6	NONE	0.0000
CP366431	366501	6	366631	0.0000
CP366501	366531	6	NONE	0.0000
CP366531	366601	6	366631	0.0000
CP366601	366631	6	NONE	0.0000
CP366631	366701	6		0.0000
CP366701	366731	6	NONE	0.0000
CP366731	366801	6	366631	0.0000
CP366801	366831	6	NONE	0.0000
CP366831	366904	6	366631	0.0000
CP366901	366931	6	NONE	0.0000
CP366931	366904	6	366631	0.0000
CP366902	366932	6	NONE	0.0000
CP366932	366904	6	NONE	0.0000
CP366903	366933	6	NONE	0.0000
CP366933	366904	6	NONE	0.0000
CP366904	366934	6	NONE	0.0000
CP366934	367002	6	NONE	0.0000
CP367002	367031	6	NONE	0.0000
CP367031	367001	6	NONE	0.0000
CP367001	367032	6	NONE	0.0000
CP367032	367101	6	366631	0.0000
CP367101	367131	6	NONE	0.0000
CP367131	367201	6	366631	0.0000
CP367201	367202	6	NONE	0.0000
CP367202	367231	6	NONE	0.0000
CP367231	367301	6	366631	0.0000
CP367301	367302	6	NONE	0.0000
CP367302	367303	6	NONE	0.0000
CP367303	367304	6	NONE	0.0000
CP367304	367331	6	NONE	0.0000
CP367331	367401	6	366631	0.0000
CP367401	367431	6	NONE	0.0000
CP367431	P40641	6	366631	0.0000
CPP40641	406431	6	NONE	0.0000
CP406431	367501	6	366631	0.0000
CP367501	367531	6	NONE	0.0000
CP367531	368101	6	366631	0.0000
CP368101	368131	6	NONE	0.0000
CP406451	367501	2	NONE	-3. 0.0000
CP368131	381301	6		0.0000
CP367601	367631	6	NONE	0.0000
CP367631	367701	6	366631	0.0000
CP367701	367731	6	NONE	0.0000
CP367731	367801	6	366631	0.0000
CP367801	367831	6	NONE	0.0000
CP367831	367901	6	366631	0.0000
CP367901	367931	6	NONE	0.0000
CP367931	368001	6	366631	0.0000
CP368001	368031	6	NONE	0.0000
CP368031	368101	6	366631	0.0000

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CP381301	368201	6	NONE		0.0000
CP368201	368231	6	NONE		0.0000
CP368231	368301	6	368131		0.0000
CP368301	368331	6	NONE		0.0000
CP368331	RWPL01	6	368131		0.0000
CP368401	368431	6	NONE		0.0000
CP368431	368501	6	368131		0.0000
CP368501	368531	6	NONE		0.0000
CP368531	RWPL01	6	368131		0.0000
CPRWPL01	368601	1	NONE	-3.	0.0650
CP368601	368703	6	NONE		0.0650
CP368703	368702	6	NONE		0.0000
CP368702	368701	6	NONE		0.0000
CP368701	391501	6	NONE		0.0000
CP391501	368801	6	NONE		0.0330
CP368801	P40351	6	NONE		0.0650
CPP40351	540501	6	NONE		0.0330
CP105371	368601	2	NONE	NONE	-3. 0.0000
CP403551	540501	2	NONE	NONE	-3. 0.0000
CP540501	CON248	6	NONE		0.5060
CPCON248	CON001	6	NONE		0.6050
CPCON001	369201	6	NONE		0.3500
CP369201	369231	6	NONE		0.0000
CP368941	OUT	2	NONE	NONE	-3. 0.0000
CP368901	368931	6	NONE		0.0000
CP368931	369001	6			0.0000
CP369001	CON001	6	NONE		0.0000
CP369101	369131	6	NONE		0.0000
CP369131	CON001	6	368931		0.0000
CP369151	CON001	2	NONE	NONE	-3. 0.0000
CP369231	W12402	6	368931		0.4310
CPW12402	W12401	6	NONE		0.0950
CPW12401	W12392	6	NONE		0.0000
CP369301	369331	6	NONE		0.0000
CP369331	WRSP02	6			0.0000
CPW12392	369301	6	NONE		0.0000
CP369351	W12392	2	NONE	NONE	-3. 0.0000
CPWRSP02	CON004	1	NONE		-3. 0.1300
CP369501	369531	6	NONE		0.0000
CP369531	CON004	6	368931		0.0000
CPW12381	CON004	6	NONE		0.0000
CP369401	369431	6	NONE		0.0000
CP369431	CON004	6	368931		0.0000
CPCON004	W12391	6	NONE		0.0000
CP369601	369631	6	NONE		0.0000
CP369631	DUGI03	6	341131		0.0000
CP369651	DUGI03	2	NONE	NONE	-3. 0.0000
CP369731	DUGI03	6	341131		0.0000
CP369801	369831	6	NONE		0.0000
CP369831	DUGI03	6	341131		0.0000
CP369901	369902	6	NONE		0.0000
CP369902	369931	6	NONE		0.0000
CP369931	DUGI03	6	341131		0.0000
CP370001	370031	6	NONE		0.0000
CP370031	DUGI03	6	341131		0.0000
CPDUGI03	CON002	1	NONE		-3. 0.0630
CPCON002	CON003	6	NONE		0.0210
CP370131	CON003	6	341131		0.0000
CPW12391	CON002	6	NONE		0.1690
CPCON003	SFPE04	6	NONE		0.1260
CPSFPE04	CON005	1	NONE		-3. 0.0460
CPCON005	CON006	6	NONE		0.0210
CPCON006	SFAS06	6	NONE		0.0920
** Salt Fork Brazos River near Aspermont					
**CPSFAS06	W12382	1	NONE		-3. 0.1500
CPSFAS06	SFSUBS	1	NONE		-3.
CPSFAS06	SF-DRY	2	SFAS06		NONE -3.
CPSF-DRY	SF-AVG	2	SFAS06		NONE -3.
CPSF-AVG	SF-WET	2	SFAS06		NONE -3.
CPSF-WET	SFDPUL	2	SFAS06		NONE -3.
CPSFDPUL	SFAPUL	2	SFAS06		NONE -3.
CPSFAPUL	SFWPUL	2	SFAS06		NONE -3.
CPSFWPUL	W12382	2	SFAS06		NONE -3. 0.1500
**					
CPCRJA05	CON005	1	NONE		-3. 0.0070
CP370231	CON006	6	341131		0.0000
CPW12382	CON245	6	NONE		0.0050
CP370301	370331	6	NONE		0.0000
CP370331	370401	6	366631		0.0000
CP370401	370421	6	NONE		0.0000
CP370421	370431	6	NONE		0.0000
CP370431	370411	6			0.0000
CP370411	370535	6	NONE		0.0000
CP370501	370531	6	NONE		0.0000

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CP370531	370502	6	NONE	0.0000
CP370502	370532	6	NONE	0.0000
CP370532	370533	6	NONE	0.0000
CP370533	370534	6	NONE	0.0000
CP370534	370535	6	NONE	0.0000
CP370535	370503	6	NONE	0.0000
CP370503	370536	6	NONE	0.0000
CP370536	398501	6	368931	0.0000
CP398551	398501	2	NONE	-3. 0.0000
CP398501	BSLU07	6	NONE	0.0000
CPBSLU07	370631	1	NONE	-3. 0.0000
CP370631	370701	6		0.0110
CP370701	370702	6	NONE	0.0000
CP370702	370731	6	NONE	0.0000
CP370732	370701	6	NONE	0.0000
CP370751	370731	2	NONE	-3. 0.0000
CP370731	CON007	6	368931	0.0800
CP370801	370831	6	NONE	0.0000
CP370831	CON007	6	368931	0.0000
CPCON007	370901	6	NONE	0.0110
CP370901	370931	6	NONE	0.0000
CP370931	371001	6	NONE	0.0000
CP370962	370942	2	NONE	-3. 0.0000
CP370961	370941	2	NONE	-3. 0.0000
CP370941	OUT	2	NONE	368931 -3. 0.0000
CP370942	OUT	2	NONE	-3. 0.0000
CP371061	371041	2	NONE	-3. 0.0000
CP371041	OUT	2	NONE	368931 -3. 0.0000
CP371001	371101	6	NONE	0.1390
CP371101	371131	6	NONE	0.0000
CP371131	CON244	6		0.1810
CP371301	371331	6	NONE	0.0000
CP371331	P53591	6	368931	0.0000
CPP53591	CON159	6	NONE	0.0000
CPCON159	DMJU08	6	NONE	0.0000
CP535951	CON159	2	NONE	-3. 0.0000
CP371401	371431	6	NONE	0.0000
CP371431	CON159	6		0.0000
CPDMJU08	CON160	1	NONE	-3. 0.0100
CP371501	371531	6	NONE	0.0000
CP371531	CON160	6	368931	0.0000
CPCON160	CON008	6	NONE	0.0700
CPCON008	P41461	6	NONE	0.0000
CP4146P1	W12411	6		0.0360
CP371601	CON008	6	NONE	0.0000
CP371602	371631	6	NONE	0.0000
CP371631	371601	6	371431	0.0000
CPP41461	4146P1	6	NONE	0.0000
CPW12411	CON244	6	NONE	0.0000
CPCON244	371701	6	NONE	0.1700
CP371701	371801	6	NONE	0.0310
CP371801	371802	6	NONE	0.0310
CP371802	371803	6	NONE	0.0050
CP371803	371901	6	NONE	0.0310
CP371901	CON009	6	NONE	0.0500
CPCON009	372201	6	NONE	0.1610
CP372201	372202	6	NONE	0.0000
CP372202	372203	6	NONE	0.0100
CP372203	DMAS09	6	NONE	0.0260
CP528201	372401	6	NONE	0.0950
CP372401	372431	6	NONE	0.0000
CP372431	W12412	6	NONE	0.0060
CPW12412	CON010	6	NONE	0.0170
CPCON010	CON245	6	NONE	0.0490
CP372001	372031	6	NONE	0.0000
CP372031	372101	6		0.0000
CP372101	372131	6	NONE	0.0000
CP372131	CON009	6	372031	0.0000
CPP51621	5162P1	6	NONE	0.0000
CP5162P1	CON010	6	341131	0.0000
CPNCKN10	CON011	1	NONE	-3. 0.0570
CPCON245	W12081	6	NONE	0.0280
CPW12081	CON011	6	NONE	0.0280
CPCON011	524201	6	NONE	0.0000
CP524201	CON012	6	NONE	0.0240
CP341101	341131	6	NONE	0.0000
CPCON012	CON013	6	NONE	0.0590
CP341131	CON012	6		0.0000
CP341231	CON013	6	341131	0.0000
CPCON013	CON014	6	NONE	0.0420
CPCON014	543501	6	NONE	0.0060
CP341301	341302	6	NONE	0.0000
CP341302	341331	6	NONE	0.0000
CP341331	CON014	6		0.0000

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CP543501	CON015	6		NONE		0.0300
CP341431	341401	6		341331		0.0000
CP341401	344004	6		NONE		0.0000
CP344004	344031	6		NONE		0.0000
CP344003	344002	6		NONE		0.0000
CP344031	344003	6				0.0000
CP344002	344001	6		NONE		0.0000
CP344032	344002	6		341331		0.0000
CP344001	CON015	6		341331		0.0000
CP344005	344032	6		NONE		0.0000
CPCON015	CON016	6		NONE		0.1670
CP344131	CON016	6		341331		0.0000
CPCON016	BRSE11	6		NONE		0.0590
** Brazos River near Seymour						
**CPBRSE11	CON017	1		NONE	-3.	0.0740
CPBRSE11	SMSUBS	1		NONE	-3.	
CPSMSUBS	SM-DRY	2	BRSE11	NONE	-3.	
CPSM-DRY	SM-AVG	2	BRSE11	NONE	-3.	
CPSM-AVG	SM-WET	2	BRSE11	NONE	-3.	
CPSM-WET	SMDPUL	2	BRSE11	NONE	-3.	
CPSMDPUL	SMAPUL	2	BRSE11	NONE	-3.	
CPSMAPUL	SMWPUL	2	BRSE11	NONE	-3.	
CPSMWPUL	CON017	2	BRSE11	NONE	-3.	0.0740
**						
CP344201	344231	6		NONE		0.0000
CPMSMN12	344301	1		NONE	-3.	0.0630
CP344301	344302	6		NONE		0.0000
CP344302	344401	6		NONE		0.0130
CP344401	344431	6		NONE		0.0000
CP344501	CON017	6		NONE		0.0320
CP344431	344501	6				0.0390
CPCON017	CON018	6		NONE		0.2230
CP344231	CON017	6		341331		0.0000
CP344651	344601	2	NONE	NONE	-3.	0.0000
CP344601	344631	6		NONE		0.0000
CP344703	344702	6		NONE		0.0000
CP344631	344703	6		341331		0.0000
CP344702	344701	6		NONE		0.0000
CP344701	344802	6		NONE		0.0000
CP344804	344803	6		NONE		0.0000
CP344803	344802	6		NONE		0.0000
CP344802	344801	6		NONE		0.0000
CP344801	CON018	6				0.0000
CPCON018	CON019	6		NONE		0.0390
CP344931	345103	6		341331		0.0000
CP345001	345031	6		NONE		0.0000
CP345103	345102	6		NONE		0.0000
CP345031	345103	6		341331		0.0000
CP345102	345101	6		NONE		0.0000
CP345141	OUT	2	NONE	344801	-3.	0.0000
CP345101	CON019	6		NONE		0.0000
CPCON019	CON020	6		NONE		0.0390
CP345231	345201	6		NONE		0.0000
CP345201	345232	6		NONE		0.0000
CPCON020	CON036	6		NONE		0.1190
CP345232	CON020	6		344801		0.0000
CP417905	417932	6		NONE		0.0000
CP417601	417631	6		NONE		0.0000
CP417932	417601	6		413331		0.0000
CP417951	417601	2	NONE	NONE	-3.	0.0000
CP417701	417803	6		NONE		0.0000
CP417631	417701	6		413331		0.0000
CP417803	417802	6		NONE		0.0000
CP417802	417801	6		NONE		0.0000
CP417801	W12352	6		NONE		0.0000
CP417702	417731	6		NONE		0.0000
CP417805	417832	6		NONE		0.0000
CP417731	417701	6		413331		0.0000
CP417804	417831	6		NONE		0.0000
CP417832	417804	6		NONE		0.0000
CPW12351	W12352	6		NONE		0.0000
CPW12352	417901	6		NONE		0.0000
CP009631	417901	2	NONE	NONE	-3.	0.0000
CP417901	417902	6		NONE		0.0000
CP417902	417903	6		NONE		0.0000
CP417903	417904	6		NONE		0.0000
CP417904	417931	6		NONE		0.0000
CP417831	W12352	6		341331		0.0000
CP418001	418031	6		NONE		0.0000
CPCON161	CON162	6		NONE		0.0000
CP418031	CON161	6		372031		0.0000
CP418101	418131	6		NONE		0.0000
CPCON162	CON163	6		NONE		0.0000
CP418131	CON162	6		413331		0.0000

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CP418231	418301	6	413331	0.0000
CP418301	418331	6	NONE	0.0000
CPCON163	CAST17	6	NONE	0.0000
CP418331	CON163	6	413331	0.0000
CPCAST17	CON027	1	NONE	-3. 0.1120
CP417931	CON027	6		0.0000
CP418401	418431	6	NONE	0.0000
CP418402	418432	6	NONE	0.0000
CP418431	418402	6	NONE	0.0000
CPCON028	CON029	6	NONE	0.0840
CP418432	CON028	6	341331	0.0000
CPW12321	420601	6	NONE	0.0000
CP420601	420631	6	NONE	0.0000
CPCFRO13	CON021	1	NONE	-3. 0.0180
CP420631	CFRO13	6	372031	0.0000
CP411501	411531	6	NONE	0.0000
CP411601	411701	6	NONE	0.0000
CP411531	411601	6	372031	0.0000
CP411701	411801	6	NONE	0.0000
CP411801	411901	6	NONE	0.0000
CP411901	411931	6	NONE	0.0000
CPCON021	412001	6	NONE	0.0300
CP411931	CON021	6	372031	0.0000
CP412001	412031	6	NONE	0.0000
CP412101	412131	6	NONE	0.0000
CP412031	412101	6	372031	0.0060
CP412201	412231	6	NONE	0.0000
CP412131	412201	6	372031	0.0120
CP412301	412331	6	NONE	0.0000
CP412231	412301	6	372031	0.0410
CP412402	412401	6	NONE	0.0000
CP412331	412402	6	372031	0.0410
CP412401	412501	6	NONE	0.0060
CP412501	412531	6	NONE	0.0000
CP412602	412632	6	NONE	0.0000
CP412531	412602	6	372031	0.0000
CP412601	412631	6	NONE	0.0000
CP412632	412601	6	NONE	0.0120
CP412701	CON022	6	NONE	0.0060
CP412631	412701	6	372031	0.0410
CP412901	412931	6	NONE	0.0000
CP103732	CON022	2	NONE	-3. 0.0000
CP412801	412831	6	NONE	0.0000
CPW12371	W12372	6	NONE	0.0000
CPW12372	413001	6	NONE	0.0000
CP413001	413031	6	NONE	0.0000
CPCON022	413202	6	NONE	0.1250
CP412831	CON022	6	372031	0.0000
CP412931	CON022	6	372031	0.0000
CP413031	CON022	6		0.0000
CP413202	413201	6	NONE	0.0060
CP413201	CFHA14	6	NONE	0.0530
CPCFHA14	413302	1	NONE	-3. 0.0060
CP413302	413301	6	NONE	0.0000
CP413301	413331	6	NONE	0.0000
CP413401	413431	6	NONE	0.0000
CPCON164	CON165	6	NONE	0.0000
CP413431	CON164	6	372031	0.0000
CPCON165	MUHA15	6	NONE	0.0000
CP413531	CON165	6	372031	0.0000
CPMUHA15	CON024	1	NONE	-3. 0.0350
CP413501	413531	6	NONE	0.0000
CP413601	413631	6	NONE	0.0000
CPCON024	413701	6	NONE	0.0070
CP413331	CON024	6		0.0480
CP413631	CON024	6	413331	0.0000
CP413701	413801	6	NONE	0.0200
CP413801	413901	6	NONE	0.0000
CP413901	413931	6	NONE	0.0000
CP414001	CON025	6	NONE	0.0130
CP413931	414001	6	413331	0.0200
CP414201	414231	6	NONE	0.0000
CP414401	414431	6	NONE	0.0000
CP414431	414604	6	413331	0.0000
CP414501	414531	6	NONE	0.0000
CP414301	414331	6	NONE	0.0000
CP414231	414301	6		0.0000
CP414604	414634	6	NONE	0.0000
CP414331	414604	6	413331	0.0000
CP414531	414604	6	413331	0.0000
CP414603	414633	6	NONE	0.0000
CP414634	414603	6	NONE	0.0000
CP414602	414632	6	NONE	0.0000
CP414633	414602	6	NONE	0.0000

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CP417201	417202	6	NONE	0.0060
CP417202	417301	6	NONE	0.0060
CP417301	417431	6	NONE	0.0120
** CLEAR FORK AT LUEDERS				
**CP417431	417502	6	413331	0.0640
CP417431	LUSUBS	6	413331	0.0000
CPLUSUBS	LU-DRY	6	NONE	-3. 0.0000
CPLU-DRY	LU-AVG	6	NONE	-3. 0.0000
CPLU-AVG	LU-WET	6	NONE	-3. 0.0000
CPLU-WET	LUWPUL	6	NONE	-3. 0.0000
CPLUWPUL	LUAPUL	6	NONE	-3. 0.0000
CPLUAPUL	LUWPUL	6	NONE	-3. 0.0000
CPLUWPUL	417502	6	NONE	-3. 0.0640
**				
CP417502	417531	6	NONE	0.0000
CP417501	CON029	6	NONE	0.2370
CP417531	417501	6	413331	0.0060
CPCON029	418501	6	NONE	0.1340
CP418501	418502	6	NONE	0.0000
CP418502	CFFG18	6	NONE	0.0110
CP418541	OUT	2	NONE 413331	-3. 0.0000
CPCFFG18	418601	1	NONE	-3. 0.0060
CP418602	418631	6	NONE	0.0000
CP418601	418701	6	NONE	0.1190
CP418631	418601	6	413331	0.0000
CP418701	418801	6	NONE	0.0300
CP418801	418921	6	NONE	0.0060
CP418921	419001	6	NONE	0.0060
CP419001	418911	6	NONE	0.0000
CP418911	419101	6	NONE	0.0000
CP419101	419201	6	NONE	0.0180
CP419103	419102	6	NONE	0.0000
CP419102	419201	6	NONE	0.0000
CP419201	419331	6	NONE	0.0000
CP419331	419104	6	220131	0.0060
CP419104	CON030	6	NONE	0.0350
CP419401	419431	6	NONE	0.0000
CPCON030	419501	6	NONE	0.0000
CP419431	CON030	6	341331	0.0000
**CP419501	419601	6	NONE	0.0180
CP419501	419105	6	NONE	0.0130
CP419105	419601	6	NONE	0.0050
**				
CP419601	419701	6	NONE	0.0120
CP419701	419831	6	NONE	0.0000
CP419831	419902	6	220131	0.0060
CP419902	419901	6	NONE	0.0060
CP419901	CON035	6	NONE	0.0000
CP420801	420831	6	NONE	0.0000
CP420131	420401	6	413331	0.0000
CP420201	420231	6	NONE	0.0000
CP420301	420331	6	NONE	0.0000
CP420231	420301	6	413331	0.0000
CP420332	420401	6	413331	0.0000
CP420331	420401	6	NONE	0.0000
CP420401	420501	6	NONE	0.0000
CP420501	420502	6	NONE	0.0000
CP420502	420503	6	NONE	0.0000
CP420503	420702	6	NONE	0.0000
CP420001	420702	6	413331	0.0000
CP420702	420732	6	NONE	0.0000
CP420701	420731	6	NONE	0.0000
CPCON166	CON167	6	NONE	0.0000
CP420731	CON166	6	NONE	0.0000
CP420732	CON166	6	413331	0.0000
CPCON167	HCAL19	6	NONE	0.0000
CP420831	CON167	6	413331	0.0000
CPHCAL19	CON031	1	NONE	-3. 0.0360
CP420901	420931	6	NONE	0.0000
CPCON031	CON032	6	NONE	0.0450
CP420931	CON031	6	413331	0.0000
CP421001	421031	6	NONE	0.0000
CPCON032	CON239	6	NONE	0.0450
CP421031	CON032	6	413331	0.0000
CPW12332	CON239	6	NONE	0.0000
CP421201	421231	6	NONE	0.0000
CPW12341	421102	6	NONE	0.0000
CP421101	421131	6	NONE	0.0000
CP421102	421101	6	NONE	0.0000
CPW12342	421102	6	NONE	0.0000
CP421131	BSBR20	6	NONE	0.0000
CPBSBR20	CON239	1	NONE	-3. 0.0810
CP421231	BSBR20	6	413331	0.0000
CPW12331	CON239	6	NONE	0.0000

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CPCON239	421301	6	NONE	0.0090
CP421301	421331	6	NONE	0.0000
CPHCBR21	CON033	1	NONE	-3. 0.0500
CP421331	HCBR21	6		0.0080
CP421401	421431	6	NONE	0.0000
CP421501	421531	6	NONE	0.0000
CP421431	421501	6		0.0000
CP100401	421601	2	NONE	-3. 0.0000
CP421601	421602	6	NONE	0.0000
CP421531	421601	6	220131	0.0000
CP421602	CON033	6	NONE	0.0000
CP421701	421731	6	NONE	0.0000
CPCON033	421801	6	NONE	0.0000
CP421731	CON033	6	220131	0.0000
CP421801	421802	6	NONE	0.0000
CP421802	421901	6	NONE	0.0060
CP421901	422001	6	NONE	0.0060
CP422001	421902	6	NONE	0.0000
CP421902	422102	6	NONE	0.0000
CP422102	CON035	6	NONE	0.0060
CP419903	419931	6	NONE	0.0000
CP419931	CON035	6	220131	0.0000
CP422101	422201	6	NONE	0.0190
CPCON035	422101	6	NONE	0.0000
CP422301	422431	6	NONE	0.0120
CP422201	422301	6	NONE	0.0660
CP422431	CFEL22	6	220131	0.0000
CPCFEL22	422504	1	NONE	-3. 0.0060
CP422504	422503	6	NONE	-3. 0.0000
CP422503	422603	6	NONE	0.0060
CP422603	422602	6	NONE	0.0000
CP422602	422502	6	NONE	0.0000
CP422502	422501	6	NONE	0.0000
CP422501	422601	6	NONE	0.0000
CP422601	422701	6	NONE	0.0060
CP422701	416804	6	NONE	0.0110
CP416804	416803	6	NONE	0.0000
CP416803	416802	6	NONE	0.0060
CP416802	416801	6	NONE	0.0000
CP416801	CON036	6	NONE	0.0450
CPCON036	W12322	6	NONE	0.0000
CPW12322	BR23	6	NONE	0.0100
** Brazos River near South Bend				
**CPBR23	345301	1	NONE	-3. 0.0030
CPBR23	SBSUBS	1	NONE	-3.
CPSBSUBS	SB-DRY	2	BR23	-3.
CPSB-DRY	SB-AVG	2	BR23	-3.
CPSB-AVG	SB-WET	2	BR23	-3.
CPSB-WET	SBDPUL	2	BR23	-3.
CPSBDPUL	SBAPUL	2	BR23	-3.
CPSBAPUL	SBWPUL	2	BR23	-3.
CPSBWPUL	345301	2	BR23	-3. 0.0030
**				
CP345301	CON037	6	NONE	0.0010
CP345401	345431	6	NONE	0.0000
CP345461	345441	2	NONE	-3. 0.0000
CP345441	OUT	2	NONE	-3. 0.0000
CPP51651	345503	6	NONE	0.0000
CP345431	P51651	6	344801	0.0000
CP345503	W12312	6	NONE	0.0000
CP345502	345501	6	NONE	0.0000
CP345501	W12312	6	344801	0.0000
CPW12312	345801	6	NONE	0.0000
CP345601	345631	6	NONE	0.0000
CP345602	345632	6	NONE	0.0000
CP345631	345602	6	NONE	0.0000
CP005511	345804	2	NONE	-3. 0.0000
CP345701	345731	6	NONE	0.0000
CP345702	345732	6	NONE	0.0000
CP345731	345702	6	NONE	0.0000
CP345801	345805	6	NONE	0.0000
CP345805	345832	6	NONE	0.0000
CP005512	W12311	2	NONE	-3. 0.0000
CPW12311	345921	6	NONE	0.0000
CP345832	D34583	6	345831	0.0000
CP345921	345911	6	NONE	0.0000
CP345804	345831	6	NONE	0.0000
CP345632	345801	6	344801	0.0000
CP345732	345801	6	344801	0.0000
CPGHGH24	CON034	1	NONE	-3. 0.0000
CP345831	D34583	6		0.0000
CP345911	GHGH24	6	NONE	0.0000
CPCON034	346002	6	NONE	0.0000
CP346002	346001	6	NONE	0.0000

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CP345802	345803	6	NONE	0.0000
CP346001	345802	6	NONE	0.0010
CP345803	345833	6	NONE	0.0000
CP104871	346102	2	NONE	-3. 0.0000
CP346102	346101	6	NONE	0.0000
CP345833	346102	6	344801	0.0010
CP346101	CON037	6	NONE	0.0010
CPCON037	WL2082	6	NONE	0.0020
CPW12082	CON038	6	NONE	0.0050
CPW12072	CON038	6	NONE	0.0000
CP346201	346231	6	NONE	0.0000
CP346251	346306	2	NONE	-3. 0.0000
CP346306	346304	6	NONE	0.0000
CP346231	346306	6	344801	0.0000
CP346305	346304	6	NONE	0.0000
CP346304	346303	6	NONE	0.0000
CP346303	346302	6	NONE	0.0000
CP346302	346301	6	NONE	0.0000
CP346301	CON038	6	NONE	0.0000
CPCON038	CON039	6	NONE	0.0030
CPCCIV25	CON039	1	NONE	-3. 0.0040
CPW12071	CON039	6	NONE	0.0000
CPCON039	WL2061	6	NONE	0.0040
CPW12061	515501	6	NONE	0.0000
CP515501	515531	6	NONE	0.0000
CPSHGR26	399901	1	NONE	-3. 0.0040
** FNI change for FERC instream flow				
**CP515531	SHGR26	6		0.0000
CP515531	5155IF	6		0.0000
CP5155IF	SHGR26	6	NONE	0.0000
** end FNI change				
CP515551	399901	2	NONE	-3. 0.0000
CP027891	399901	2	NONE	-3. 0.0000
CP039571	CON045	2	NONE	-3. 0.0000
CP399901	BRPP27	6	NONE	0.0010
** Brazos River near Palo Pinto				
**CPBRPP27	400001	1	NONE	-3. 0.0010
CPBRPP27	PPSUBS	1	NONE	-3.
CPPPSUBS	PP-DRY	2	BRPP27	-3.
CPPP-DRY	PP-AVG	2	BRPP27	-3.
CPPP-AVG	PP-WET	2	BRPP27	-3.
CPPP-WET	PPDPUL	2	BRPP27	-3.
CPPPDPUL	PPASPL	2	BRPP27	-3.
CPPPASPL	PPALPL	2	BRPP27	-3.
CPPPALPL	PPWSPL	2	BRPP27	-3.
CPPPWSPL	PPWLPL	2	BRPP27	-3.
CPPPWLPL	400001	2	BRPP27	-3. 0.0010
**				
CP400001	400102	6	NONE	0.0020
CP400531	400001	6	NONE	0.0000
CP400102	400101	6	NONE	0.0000
CP400101	CON040	6	NONE	0.0010
CP400505	400531	6	NONE	0.0000
CP400201	400231	6	NONE	0.0000
CP400331	400301	6	220131	0.0000
CP400301	400302	6	NONE	0.0000
CP400302	400431	6	NONE	0.0000
CP400431	400401	6	220131	0.0000
CP400231	400431	6	344801	0.0000
CP400401	400432	6	NONE	0.0000
CP400451	400401	2	NONE	-3. 0.0000
CPCON040	400503	6	NONE	0.0000
CP400432	CON040	6	NONE	0.0000
CP400503	400502	6	NONE	0.0010
CP400502	CON190	6	NONE	0.0010
CP400504	400532	6	NONE	0.0000
CP400501	CON190	6	NONE	0.0000
CP400532	400501	6	220131	0.0000
CPCON190	CON042	6	NONE	0.0030
CP403152	400602	2	NONE	-3. 0.0000
CP400602	400601	6	NONE	0.0000
CP105852	400601	2	NONE	-3. 0.0000
CP400601	400701	6	NONE	0.0000
CP400701	CON042	6	NONE	0.0000
CPCON042	400901	6	NONE	0.0010
CP400901	401001	6	NONE	0.0000
CP400801	401101	6	NONE	0.0050
CP401001	400801	6	NONE	0.0000
CP401101	401202	6	NONE	0.0000
CP401202	401301	6	NONE	0.0000
CP401301	CON189	6	NONE	0.0000
CPCON189	CON044	6	NONE	0.0000
CP401332	CON189	6	NONE	0.0000
CP401334	CON189	6	NONE	0.0000

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CP401305	401331	6	NONE	0.0000
CP401306	401332	6	NONE	0.0000
CP401331	401306	6	NONE	0.0000
CP401307	401333	6	NONE	0.0000
CP401308	401334	6	NONE	0.0000
CP401333	401308	6	220131	0.0000
CP402301	402331	6	NONE	0.0000
CP401841	401861	2	NONE	-3. 0.0000
CP401601	401631	6	NONE	0.0000
CP401701	401731	6	NONE	0.0000
CP401401	401402	6	NONE	0.0000
CP401501	402003	6	NONE	0.0000
CP401402	401403	6	NONE	0.0000
CP401403	401404	6	NONE	0.0000
CP401404	401405	6	NONE	0.0000
CP401405	401431	6	NONE	0.0000
CP401431	401501	6	220131	0.0000
CP401901	401931	6	NONE	0.0000
CP401631	401901	6	220131	0.0000
CP401731	401801	6	220131	0.0000
CP401801	401831	6	NONE	0.0000
CP401831	401901	6	NONE	0.0000
CP401861	OUT	2	NONE	-3. 0.0000
CP402003	402002	6	NONE	0.0000
CP401931	402003	6	220131	0.0000
CP402161	OUT	2	NONE	-3. 0.0000
CP402162	OUT	2	NONE	-3. 0.0000
CP402163	OUT	2	NONE	-3. 0.0000
CP402002	402001	6	NONE	0.0000
CP402001	402201	6	NONE	0.0000
CP402101	402201	6	220131	0.0000
CP402143	402163	2	NONE	-3. 0.0000
CP402142	402162	2	NONE	-3. 0.0000
CP402141	402161	2	NONE	-3. 0.0000
CP402201	W12301	6	NONE	0.0000
CP402401	402431	6	NONE	0.0000
CP402402	402432	6	NONE	0.0000
CP402502	402531	6	NONE	0.0000
CP402701	402731	6	NONE	0.0000
CP402631	402701	6	NONE	0.0000
CP402841	OUT	2	NONE	-3. 0.0000
CP402802	402801	6	NONE	0.0000
CP402803	402831	6	NONE	0.0000
CP402801	W12301	6	NONE	0.0000
CP402831	402801	6	220131	0.0000
CP402901	402931	6	NONE	0.0000
CPW12301	403101	6	NONE	0.0000
CP402331	W12301	6	220131	0.0000
CP402431	W12301	6	220131	0.0000
CP402432	W12301	6	220131	0.0000
CP402531	402601	6	220131	0.0000
CP402601	402631	6	NONE	0.0000
CP402731	W12301	6	220131	0.0000
CP402931	W12301	6	220131	0.0000
CPW12302	403201	6	NONE	0.0000
CP403031	403101	6	220131	0.0000
CP403101	403131	6	NONE	0.0000
CP019031	403201	2	NONE	-3. 0.0000
CP019032	403201	2	NONE	-3. 0.0000
CP019033	403201	2	NONE	-3. 0.0000
CP403151	403201	2	NONE	-3. 0.0000
CP403341	OUT	2	NONE	-3. 0.0000
CP403201	403301	6	NONE	0.0000
CP403131	W12302	6		0.0000
CP403333	403301	6	NONE	0.0000
CP403332	403301	6	NONE	0.0000
CP403331	403301	6	220131	0.0000
CP403301	403701	6	NONE	0.0000
CP403601	403631	6	NONE	0.0000
CP403441	OUT	2	NONE	-3. 0.0000
CP403401	403501	6	NONE	0.0000
CP403501	403701	6	NONE	0.0000
CP403701	PPSA28	6	NONE	0.0000
CP403631	403701	6	220131	0.0000
CP403803	403803	1	NONE	-3. 0.0040
CP403802	403802	6	NONE	0.0040
CP403801	403801	6	NONE	0.0000
CP403801	403102	6	NONE	0.0180
CP403102	403132	6	NONE	0.0000
CP401201	CON044	6	NONE	0.0040
CP403132	401201	6	220131	0.0040
CP403102	401302	6	NONE	0.0000
CP401302	401303	6	NONE	0.0010
CP401303	401304	6	NONE	0.0000

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CP401309	401335	6	NONE	0.0000
CP401304	CON045	6	NONE	0.0010
CP401335	401304	6	220131	0.0000
CP401300	401336	6	NONE	0.0000
CP40130A	401337	6	NONE	0.0000
CP401336	40130A	6	NONE	0.0000
CP544751	544701	2	NONE NONE	-3. 0.0000
CP544701	544731	6	NONE	0.0000
CP386242	OUT	2	NONE NONE	-3. 0.0000
CP386241	OUT	2	NONE 227031	-3. 0.0000
CP404001	404031	6	NONE	0.0000
CP404002	404032	6	NONE	0.0000
CP404032	386201	6	227031	0.0000
CP404101	404131	6	NONE	0.0000
CP404201	404231	6	NONE	0.0000
CP386201	CON045	6	NONE	0.0000
CP404031	386201	6	227031	0.0000
CP404131	386201	6	227031	0.0000
CP404231	386201	6	227031	0.0000
CPP51641	5164P1	6	NONE	0.0000
CP403901	403931	6	NONE	0.0000
CP105851	CON045	2	NONE NONE	-3. 0.0000
CPCON045	CON046	6	NONE	0.0020
CP401337	CON045	6	220131	0.0000
CP544731	CON045	6	220131	0.0000
CP5164P1	CON045	6	220131	0.0000
CP403931	CON045	6		0.0000
CP404301	404331	6	NONE	0.0000
CPCON046	404402	6	NONE	0.0010
CP404331	CON046	6	220131	0.0000
CP404402	404401	6	NONE	0.0000
**CP 404401 now flows into CP 576701.				
**CP404401	BRDE29	6	NONE	0.0000
CP404401	576701	6	NONE	0.0000
CPBRDE29	404502	1	NONE	-3. 0.0010
CP404502	404501	6	NONE	0.0000
CP404501	404601	6	NONE	0.0000
CP404601	404703	6	NONE	0.0000
CP404703	404702	6	NONE	0.0000
CP404702	404701	6	NONE	0.0000
CP404701	CON047	6	NONE	0.0010
CP404801	404802	6	220131	0.0000
CP404901	404931	6	NONE	0.0000
CP404902	404932	6	NONE	0.0000
CP404931	404902	6	NONE	0.0000
CP405002	405032	6	NONE	0.0000
CP404932	405002	6	227031	0.0000
CP405032	405001	6	NONE	0.0000
CP405001	405031	6	NONE	0.0000
CP405242	OUT	2	NONE NONE	-3. 0.0000
CP405241	OUT	2	NONE 227031	-3. 0.0000
CP405243	OUT	2	NONE NONE	-3. 0.0000
CP405331	405332	6	NONE	0.0000
CP405332	CON048	6	227031	0.0000
CPCON047	405101	6	NONE	0.0010
CP404802	404831	6	NONE	0.0000
CP404831	CON047	6	220131	0.0000
CP405031	CON047	6	227031	0.0000
CP405101	CON048	6	NONE	0.0010
CP405201	W12052	6	NONE	0.0000
CP021702	405201	2	NONE NONE	-3. 0.0000
CP021701	W12052	2	NONE NONE	-3. 0.0000
CP021703	W12052	2	NONE NONE	-3. 0.0000
CPW12052	405401	6	NONE	0.0010
CP405501	411401	6	NONE	0.0000
CP411401	CON191	6	NONE	0.0000
CPCON191	CON049	6	NONE	0.0000
CP405601	405631	6	NONE	0.0000
CP405631	CON049	6	227031	0.0000
CP405834	405833	6	NONE	0.0000
CP405833	CON192	6	NONE	0.0000
CPCON192	CON193	6	NONE	0.0010
CP405832	405831	6	NONE	0.0000
CP405831	CON193	6	227031	0.0000
**CPCON193	CON194	6	NONE	0.0020
CPCON193	406001	6	NONE	0.0016
CP406001	CON194	6	NONE	0.0004
CP406631	CON194	6	227031	0.0000
CP101782	CON194	2	NONE NONE	-3. 0.0000
CPCON194	CON050	6	NONE	0.0020
CP014811	CON050	2	NONE NONE	-3. 0.0000
CP385102	385132	6	NONE	0.0000
CP385132	385131	6	NONE	0.0000
CP385131	385101	6	227031	0.0000

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CP385101	CON050	6		NONE		0.0000
CP406901	406931	6		NONE		0.0000
CPCON050	WL2051	6		NONE		0.0010
CP406931	CON050	6		227031		0.0000
CP409753	WL2051	2	NONE	NONE	-3.	0.0000
CPW12051	405701	6		NONE		0.0000
CP405701	405901	6		NONE		0.0000
**CP405901	406001	6		NONE		0.0000
CP405901	406101	6		NONE		0.0000
**CP406001	406101	6		NONE		0.0000
CP406101	406201	6		NONE		0.0000
CP406201	406301	6		NONE		0.0000
CP406301	406401	6		NONE		0.0000
CP406401	406501	6		NONE		0.0000
CP406501	406701	6		NONE		0.0000
CP406701	406801	6		NONE		0.0000
CP406801	407001	6		NONE		0.0000
CP407001	407101	6		NONE		0.0000
CP407101	515601	6		NONE		0.0000
CP515601	515631	6		NONE		0.0000
CP515631	407301	6				0.0000
CP515651	407301	2	NONE	NONE	-3.	0.0000
CP407301	407401	6		NONE		0.0000
CP407401	407203	6		NONE		0.0000
CP407203	CON062	6		NONE		0.0000
CP407531	CON062	6		227031		0.0000
CPCON062	WL2042	6		NONE		0.0000
CPW12042	407202	6		NONE		0.0000
CP407202	407201	6		NONE		0.0010
CP407241	OUT	2	NONE	227031	-3.	0.0000
CP407201	407601	6		NONE		0.0030
CP407601	407702	6		NONE		0.0000
CP407702	407701	6		NONE		0.0000
CP407701	407801	6		NONE		0.0000
CP407801	407901	6		NONE		0.0000
CP407901	408001	6		NONE		0.0000
CP407931	408001	6		227031		0.0000
CP408001	408002	6		NONE		0.0000
CP408002	408003	6		NONE		0.0000
CP408003	408101	6		NONE		0.0000
CP408101	408102	6		NONE		0.0000
CP408102	408201	6		NONE		0.0000
CP408201	408202	6		NONE		0.0000
CP408202	408203	6		NONE		0.0000
CP408203	408301	6		NONE		0.0000
CP408301	BRGR30	6		NONE		0.0020
CP014012	BRGR30	2	NONE	NONE	-3.	0.0000
** Brazos River near Glen Rose						
**CPBRGR30	CON063	1		NONE	-3.	0.0010
CPBRGR30	GRSUBS	1		NONE	-3.	
CPGRSUBS	GR-DRY	2	BRGR30	NONE	-3.	
CPGR-DRY	GR-AVG	2	BRGR30	NONE	-3.	
CPGR-AVG	GR-WET	2	BRGR30	NONE	-3.	
CPGR-WET	GRDPUL	2	BRGR30	NONE	-3.	
CPGRDPUL	GRASPL	2	BRGR30	NONE	-3.	
CPGRASPL	GRALPL	2	BRGR30	NONE	-3.	
CPGRALPL	GRWSPL	2	BRGR30	NONE	-3.	
CPGRWSPL	GRWLPL	2	BRGR30	NONE	-3.	
CPGRWLPL	CON063	2	BRGR30	NONE	-3.	0.0010
**						
CPW12291	408401	6		NONE		0.0000
CP408401	CON200	6		NONE		0.0000
CP408402	408431	6		NONE		0.0000
CP408431	CON200	6		220131		0.0000
CP408403	408432	6		NONE		0.0000
CP408432	408402	6		NONE		0.0000
CP408501	408531	6		NONE		0.0000
CP408531	CON200	6		220131		0.0000
CP408601	CON200	6		NONE		0.0000
CP408641	OUT	2	NONE	220131	-3.	0.0000
CPCON200	CON199	6		NONE		0.0000
CP408751	408704	2	NONE	NONE	-3.	0.0000
CP408704	408731	6		NONE		0.0000
CP408731	408703	6		227031		0.0000
CP408703	408702	6		NONE		0.0000
CP408752	408705	2	NONE	NONE	-3.	0.0000
CP408705	408732	6		NONE		0.0000
CP408732	408701	6		NONE		0.0000
CP408702	408701	6		227031		0.0000
CP408701	CON199	6		NONE		0.0000
CPCON199	408801	6		NONE		0.0000
CP408801	CON198	6		227031		0.0000
CP408861	408841	2	NONE	NONE	-3.	0.0000
CP408841	OUT	2	NONE	227031	-3.	0.0000

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CP562831	CON198	6	220131	0.0000
CPCON198	CON197	6	NONE	0.0000
CP529501	5295P1	6	NONE	0.0000
CP5295P1	408902	6	220131	0.0000
CP529502	529532	6	NONE	0.0000
CP529532	408902	6	220131	0.0000
CP408902	408901	6	NONE	0.0000
CP562832	408901	6	220131	0.0000
CP408901	CON197	6	NONE	0.0000
CPCON197	CON196	6	NONE	0.0000
CP409001	409031	6	NONE	0.0000
CP409031	409201	6	227031	0.0000
CP409101	409131	6	NONE	0.0000
CP409131	393901	6	227031	0.0000
CP393901	393931	6	NONE	0.0000
CP393931	409201	6	227031	0.0000
CP409201	409301	6	NONE	0.0000
CP409301	CON196	6	NONE	0.0000
CPCON196	409402	6	NONE	0.0000
CP409402	409401	6	NONE	0.0000
CP409401	409501	6	NONE	0.0000
CP409501	PAGR31	6	NONE	0.0000
** ADD CP FOR SOMERVELL COUNTY WATER DISTRICT, APP.5744				
**CPPAGR31	409631	1	NONE	-3. 0.0010
CPPAGR31	574432	1	NONE	-3. 0.0009
CP574432	409631	6	227031	0.0001
CP574431	409631	6	227031	0.0000
**				
CP409631	CON073	6	227031	0.0010
CP409701	409731	6	NONE	0.0000
CP409731	546001	6		0.0000
CP409702	409732	6	NONE	0.0000
CP409732	546001	6	409731	0.0000
** FNI Change - add dummy CP for Squaw Creek fill with Lake Granbury water				
CP4097DM	OUT	2	NONE NONE	-3. 0.0000
CP409751	546001	2	NONE NONE	-3. 0.0000
CP409752	546001	2	NONE NONE	-3. 0.0000
CP018544	546001	2	NONE NONE	-3. 0.0000
CP018541	546001	2	NONE NONE	-3. 0.0000
CP546051	546001	2	NONE NONE	-3. 0.0000
CP546052	546001	2	NONE NONE	-3. 0.0000
CP546001	546031	6	NONE	0.0000
CP546061	546041	2	NONE NONE	-3. 0.0000
CP546041	OUT	2	NONE 227031	-3. 0.0000
CP546062	546042	2	NONE NONE	-3. 0.0000
CP546042	OUT	2	NONE NONE	-3. 0.0000
CP546031	CON073	6	227031	0.0000
CPCON073	W12292	6	NONE	0.0000
CPW12292	CON063	6	NONE	0.0000
CPCON063	409801	6	NONE	0.0010
CP409801	409901	6	NONE	0.0020
CP409901	CON064	6	NONE	0.0010
CP502801	502831	6	NONE	0.0000
CP502831	CON064	6	227031	0.0000
CP502851	502852	2	NONE NONE	-3. 0.0000
CP502852	CON064	2	NONE NONE	-3. 0.0000
CPCON064	410001	6	NONE	0.0010
CP410051	410001	2	NONE NONE	-3. 0.0000
CP410001	W12041	6	NONE	0.0010
CPW12041	410201	6	NONE	0.0000
CP410201	W12032	6	NONE	0.0000
CPW12032	CON065	6	NONE	0.0000
CP410131	CON065	6	227031	0.0000
CPCON065	410202	6	NONE	0.0000
CP410202	410301	6	NONE	0.0010
CP410203	410301	6	NONE	0.0000
CP410301	410302	6	NONE	0.0000
CP410302	410303	6	NONE	0.0000
CP410303	410304	6	NONE	0.0000
CP410304	410305	6	NONE	0.0000
CP410305	410306	6	NONE	0.0000
CP410306	410401	6	NONE	0.0010
CP410401	410402	6	NONE	0.0000
CP410402	410403	6	NONE	0.0000
CP410403	410404	6	NONE	0.0000
CP410404	410405	6	NONE	0.0000
CP410405	410406	6	NONE	0.0010
CP410406	410407	6	NONE	0.0000
CP410407	410408	6	NONE	0.0000
**CP410408	CON066	6	NONE	0.0020
**CP410409	CON066	6	NONE	0.0000
CP410408	410409	6	NONE	0.0004
CP410409	CON066	6	NONE	0.0016
CP410501	W12282	6	NONE	0.0000

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CPW12282	410601	6	NONE	0.0000
CPW12281	CON195	6	NONE	0.0000
CP410601	410631	6	NONE	0.0000
CP410631	410602	6		0.0000
CP410602	WL2272	6	NONE	0.0000
CPW12272	WL2281	6	NONE	0.0000
CP425801	425831	6	NONE	0.0000
CP425831	410701	6	227031	0.0000
CP100061	410701	2	NONE	-3. 0.0000
CP410701	CON195	6	NONE	0.0000
** FNI change - Cleburne reuse				
**CPCON195	NRBL32	6	NONE	0.0000
CPCON195	4106C	6	NONE	0.0000
CP 4106C	NRBL32	6	NONE	0.0000
**				
CPNRBL32	WL2271	1	NONE	-3. 0.0010
CPW12271	CON066	6	NONE	0.0020
CPCON066	CON067	6	NONE	0.0010
CP410801	410802	6	NONE	0.0000
CP410802	CON067	6	NONE	0.0000
CP410803	CON067	6	NONE	0.0000
CPCON067	CON068	6	NONE	0.0030
CP410901	410931	6	NONE	0.0000
CP410931	411001	6	227031	0.0000
CP411001	CON068	6	NONE	0.0000
CP411101	411131	6	NONE	0.0000
CP411131	CON068	6	228731	0.0000
CP411201	411231	6	NONE	0.0000
CP411231	CON068	6	227031	0.0000
CPCON068	CON069	6	NONE	0.0020
CP534631	411301	6	228731	0.0000
CP411301	411331	6	NONE	0.0000
CP411331	411302	6	NONE	0.0000
CP411302	411332	6	NONE	0.0000
CP411332	411303	6	NONE	0.0000
CP411303	411333	6	NONE	0.0000
CP411333	CON069	6	228731	0.0000
CPCON069	515701	6	NONE	0.0030
CPW12031	515701	6	NONE	0.0000
CP515701	515731	6	NONE	0.0000
CP515731	WL2422	6		0.0000
CP515751	WL2422	2	NONE	-3. 0.0000
CPW12422	431501	6	NONE	0.0000
CP431501	431601	6	NONE	0.0000
CP431601	431802	6	NONE	0.0000
CP431802	431701	6	NONE	0.0000
CP431701	431801	6	NONE	0.0000
CP431841	OUT	2	NONE	228731 -3. 0.0000
CP431801	BRAQ33	6	NONE	0.0000
CP431901	431902	6	NONE	0.0000
CP431902	BRAQ33	6	NONE	0.0000
CPBRAQ33	432001	1	NONE	-3. 0.0010
CP432001	431803	6	NONE	0.0000
CP431803	P41411	6	NONE	0.0000
CPP41411	432101	6	NONE	0.0000
CP432101	432201	6	NONE	0.0000
CP432201	432202	6	NONE	0.0000
CP432202	432301	6	NONE	0.0000
CP432301	432403	6	NONE	0.0000
CP432403	432402	6	NONE	0.0000
CP432402	432401	6	NONE	0.0000
CP432441	OUT	2	NONE	228731 -3. 0.0000
CP432401	432501	6	NONE	0.0010
CP432501	432601	6	NONE	0.0000
CP432601	432701	6	NONE	0.0000
CP432701	432801	6	NONE	0.0000
CP432801	432901	6	NONE	0.0000
CP432901	433001	6	NONE	0.0010
CP433001	433101	6	NONE	0.0000
CP433101	433201	6	NONE	0.0000
CP433201	CON070	6	NONE	0.0020
CPW12541	515801	6	NONE	0.0000
CP433301	433331	6	NONE	0.0000
CP433331	515801	6	227031	0.0000
CP106301	515801	2	NONE	-3. 0.0000
CPW12542	515801	6	NONE	0.0000
CP515851	515801	2	NONE	-3. 0.0000
CP515801	515831	6	NONE	0.0000
CP515831	515802	6		0.0000
CP515802	433401	6	NONE	0.0010
CP433401	433431	6	NONE	0.0000
CP433431	AQAQ34	6	228731	0.0000
CPAQAQ34	433501	1	NONE	-3. 0.0000
CP433501	CON070	6	NONE	0.0040

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CPCON070	433801	6		NONE		0.0020
CP433601	433801	6		NONE		0.0000
CP433701	433702	6		NONE		0.0000
CP433702	433801	6		NONE		0.0000
CP433801	433902	6		NONE		0.0000
CP433902	433901	6		NONE		0.0000
CP220131	220102	6				0.0000
CP220102	220101	6		NONE		0.0000
CP220101	220331	6		NONE		0.0000
CP220331	220231	6		220131		0.0000
CP220231	220401	6		220131		0.0000
CP220401	220431	6		NONE		0.0000
CP220431	220802	6		220131		0.0000
CP220502	220531	6		NONE		0.0000
CP220531	220501	6		220131		0.0000
CP220551	220501	2	NONE	NONE	-3.	0.0000
CP220501	220802	6		NONE		0.0000
CP220631	220731	6		220131		0.0000
CP220731	220601	6		220131		0.0000
CP220651	220601	2	NONE	NONE	-3.	0.0000
CP220751	220601	2	NONE	NONE	-3.	0.0000
CP220601	220701	6		NONE		0.0000
CP220701	220802	6		NONE		0.0000
CP220803	220801	6		NONE		0.0000
CP220801	220831	6		NONE		0.0000
CP220831	220802	6		220131		0.0000
CP220851	220802	2	NONE	NONE	-3.	0.0000
CP220802	221003	6		NONE		0.0000
CP220901	220931	6		NONE		0.0000
CP220931	221003	6		220131		0.0000
CP221003	221002	6		NONE		0.0000
CP221002	221001	6		NONE		0.0000
CP221001	CON209	6		NONE		0.0000
CP221431	221231	6		220131		0.0000
CP221231	221331	6		220131		0.0000
CP221331	CON211	6		220131		0.0000
CP221101	221131	6		NONE		0.0000
CP221131	390001	6		220131		0.0000
CP390001	390002	6		NONE		0.0000
CP390002	CON211	6		220131		0.0000
CPCON211	CON210	6		NONE		0.0000
CP221502	221531	6		NONE		0.0000
CP221531	221601	6		220131		0.0000
CP221601	221631	6		NONE		0.0000
CP221631	221501	6		220131		0.0000
CP221551	221501	2	NONE	NONE	-3.	0.0000
CP221501	CON210	6		NONE		0.0000
CPCON210	CON209	6		NONE		0.0000
CPCON209	W12552	6		NONE		0.0000
CPW12552	CON208	6		NONE		0.0000
CP221731	221831	6		220131		0.0000
CP221831	CON208	6		220131		0.0000
CPCON208	561931	6		NONE		0.0000
CP561931	561932	6		220131		0.0000
CP561932	221901	6		NONE		0.0000
CP221901	222001	6		NONE		0.0000
CP102902	222001	2	NONE	NONE	-3.	0.0000
CP222001	500701	6		NONE		0.0000
CP500701	500702	6		NONE		0.0000
CP500702	222101	6		NONE		0.0000
CP222101	222201	6		NONE		0.0000
CP222201	222301	6		NONE		0.0000
CP222301	505202	6		NONE		0.0000
CP505202	505201	6		NONE		0.0000
CP505201	CON207	6		NONE		0.0000
CP222431	W12551	6		220131		0.0000
CPW12551	CON207	6		NONE		0.0000
CPCON207	W12261	6		NONE		0.0000
CPW12261	CON206	6		NONE		0.0000
CPCON206	222601	6		NONE		0.0000
CP222701	222731	6		NONE		0.0000
CP222731	222831	6		220131		0.0000
CP222851	222831	2	NONE	NONE	-3.	0.0000
CP222831	222801	6		220131		0.0000
CP222801	222802	6		NONE		0.0000
CP222802	222803	6		NONE		0.0000
CP222803	222804	6		NONE		0.0000
CP222804	CON206	6		NONE		0.0000
CP222601	222903	6		NONE		0.0000
CP222903	222902	6		NONE		0.0000
CP222902	222901	6		NONE		0.0000
CP222901	CON205	6		NONE		0.0000
CP222501	CON205	6		NONE		0.0000
CP223001	223031	6		NONE		0.0000

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CP223031	223131	6		220131	0.0000
CP223131	223101	6		220131	0.0000
CP223101	CON205	6		NONE	0.0000
CP223211	223231	6		NONE	0.0000
CP223231	CON205	6		220131	0.0000
CPCON205	555721	6		NONE	0.0000
CP555721	555711	6		NONE	0.0000
CP555711	223301	6		NONE	0.0000
CP223301	223401	6		NONE	0.0000
CP223401	P41242	6		NONE	0.0000
CPP41242	223502	6		NONE	0.0000
CP223502	223501	6		NONE	0.0000
CP223451	223402	2	NONE	NONE	-3. 0.0000
CP223402	P41241	6		NONE	0.0000
CP412451	P41241	2	NONE	NONE	-3. 0.0000
CPP41241	412431	6		NONE	0.0000
CP412431	223501	6		220131	0.0000
CP223501	223601	6		NONE	0.0000
CP223601	CON204	6		NONE	0.0000
CP223867	223847	2	NONE	NONE	-3. 0.0000
CP223847	OUT	2	NONE	NONE	-3. 0.0000
CP223866	223846	2	NONE	NONE	-3. 0.0000
CP223846	OUT	2	NONE	NONE	-3. 0.0000
CP223865	223845	2	NONE	NONE	-3. 0.0000
CP223845	OUT	2	NONE	NONE	-3. 0.0000
CP223864	223844	2	NONE	NONE	-3. 0.0000
CP223844	OUT	2	NONE	NONE	-3. 0.0000
CP223863	223843	2	NONE	NONE	-3. 0.0000
CP223843	OUT	2	NONE	NONE	-3. 0.0000
CP223862	223842	2	NONE	NONE	-3. 0.0000
CP223842	OUT	2	NONE	NONE	-3. 0.0000
CP223861	223841	2	NONE	NONE	-3. 0.0000
CP223841	OUT	2	NONE	220131	-3. 0.0000
CP223805	223831	6		NONE	0.0000
CP223831	223804	6		220131	0.0000
CP223804	223803	6		NONE	0.0000
CP223803	223802	6		NONE	0.0000
CP223802	223801	6		NONE	0.0000
CP223701	223731	6		NONE	0.0000
CP223731	223702	6		220131	0.0000
CP223702	223801	6		NONE	0.0000
CP223801	CON204	6		NONE	0.0000
CP223901	223931	6		NONE	0.0000
CP223931	CON204	6		220131	0.0000
CP224002	224031	6		NONE	0.0000
CP224031	224001	6		220131	0.0000
CP224001	CON204	6		NONE	0.0000
CP224101	224131	6		NONE	0.0000
CP224131	224202	6		220131	0.0000
CP224202	224231	6		NONE	0.0000
CP224231	224201	6		220131	0.0000
CP224201	224302	6		NONE	0.0000
CP224302	224331	6		NONE	0.0000
CP224331	224301	6		220131	0.0000
CP224301	CON204	6		NONE	0.0000
CP224401	224431	6		NONE	0.0000
CP224431	224501	6		220131	0.0000
CP224501	224531	6		NONE	0.0000
CP224531	224502	6		220131	0.0000
CP224502	CON204	6		NONE	0.0000
CP224601	224631	6		NONE	0.0000
CP224631	224602	6		220131	0.0000
CP224602	CON204	6		NONE	0.0000
CP224702	224732	6		NONE	0.0000
CP224732	224801	6		220131	0.0000
CP224701	224731	6		NONE	0.0000
CP224731	224901	6		220131	0.0000
CP224801	224831	6		NONE	0.0000
CP224831	224902	6		220131	0.0000
CP224902	224931	6		NONE	0.0000
CP224931	224701	6		220131	0.0000
CP224901	CON204	6		NONE	0.0000
CPCON204	CON203	6		NONE	0.0000
CP225001	CON203	6		NONE	0.0000
CPCON203	225101	6		NONE	0.0000
CP225101	225202	6		NONE	0.0000
CP225202	225201	6		NONE	0.0000
CP225201	CON202	6		NONE	0.0000
CP225331	CON202	6		NONE	0.0000
CPCON202	225404	6		NONE	0.0000
CP225404	225502	6		NONE	0.0000
CP225502	225501	6		NONE	0.0000
CP225501	CON201	6		NONE	0.0000
CP505101	505131	6		NONE	0.0000

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CP505131	225406	6	225331	0.0000
CP225406	225405	6	NONE	0.0000
CP225405	225403	6	NONE	0.0000
CPCON201	225402	6	NONE	0.0000
CP225403	CON201	6	NONE	0.0000
CP225402	225801	6	NONE	0.0000
CP225801	225401	6	NONE	0.0000
CP225401	225901	6	NONE	0.0000
CP225901	225903	6	NONE	0.0000
CP225903	225902	6	NONE	0.0000
CP225902	226001	6	NONE	0.0000
CP226001	NBHI35	6	NONE	0.0000
CPNBHI35	226101	1	NONE	-3. 0.0050
CP226101	226202	6	NONE	0.0140
CP226202	226201	6	NONE	0.0000
CP226201	226301	6	NONE	0.0050
CP226301	226405	6	NONE	0.0000
CP226403	226402	6	NONE	0.0000
CP226402	226401	6	NONE	0.0000
CP226401	226405	6	NONE	0.0000
CP226405	226404	6	NONE	0.0050
CP226404	226506	6	NONE	0.0000
CP226506	378302	6	NONE	0.0000
CP378302	226505	6	NONE	0.0000
CP226505	226504	6	NONE	0.0000
CP226504	226503	6	NONE	0.0000
CP226503	378301	6	NONE	0.0050
CP378303	378304	6	NONE	0.0000
CP378304	378301	6	NONE	0.0000
CP378301	226502	6	NONE	0.0000
CP378351	378331	2	NONE	-3. 0.0000
CP378331	378301	6	228731	0.0000
CP226502	226501	6	NONE	0.0000
CP226501	226601	6	NONE	0.0310
CP226601	CON079	6	NONE	0.0050
CP226701	226801	6	NONE	0.0000
CP226801	CON079	6	NONE	0.0000
CPCON079	226901	6	NONE	0.0090
CP226901	CON071	6	NONE	0.0050
CP227032	227001	6	NONE	0.0000
CP227001	227031	6	NONE	0.0000
CP227031	CON071	6	NONE	0.0000
CPCON071	227101	6	NONE	0.0000
CP227101	227201	6	NONE	0.0050
CP227201	CON072	6	NONE	0.0140
CP227307	227333	6	NONE	0.0000
CP227333	227301	6	NONE	0.0000
CP227353	227301	2	NONE	-3. 0.0000
CP227301	227606	6	227031	0.0000
CP227305	227331	6	NONE	0.0000
CP227331	227306	6	NONE	0.0000
CP227351	227306	2	NONE	-3. 0.0000
CP227306	227332	6	NONE	0.0000
CP227332	227304	6	NONE	0.0000
CP227352	227304	2	NONE	-3. 0.0000
CP227304	227303	6	NONE	0.0000
CP227303	227302	6	NONE	0.0000
CP227701	227702	6	NONE	0.0000
CP227702	CON072	6	NONE	0.0000
CPCON072	227801	6	NONE	0.0220
CP227801	227802	6	NONE	0.0000
CP227802	227901	6	NONE	0.0140
CP227901	228001	6	NONE	0.0050
CP228001	228002	6	NONE	0.0000
CP228002	228101	6	NONE	0.0220
CP228101	228201	6	NONE	0.0050
CP228201	228202	6	NONE	0.0050
CP228202	228302	6	NONE	0.0090
CP228302	228301	6	NONE	0.0000
** add cp for application 4318B				
CP431831	228301	6	227031	0.0050
CP228301	228401	6	NONE	0.0050
CP228401	228402	6	NONE	0.0000
CP228402	228501	6	NONE	0.0000
CP228501	541101	6	NONE	0.0180
CP541101	CON074	6	NONE	0.0180
**The existing reservoir control points, 380936, 380935, 380934, 380933, 380932, 380931 were assigned evaporative loss				
CP380906	380936	6	NONE	0.0000
CP380936	380903	6	228731	0.0000
CP380905	380935	6	NONE	0.0000
CP380935	380903	6	228731	0.0000
CP380903	380933	6	NONE	0.0000
CP380933	380904	6	228731	0.0000
CP380902	380932	6	NONE	0.0000

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CP380932	380904	6	228731	0.0000
CP380901	380931	6	NONE	0.0000
CP380931	380904	6	228731	0.0000
CP380904	380934	6	NONE	0.0000
CP380934	CON074	6	228731	0.0000
CP228931	CON074	6	228731	0.0000
CP228702	228701	6	NONE	0.0000
CP228701	228731	6	NONE	0.0000
CP228731	228801	6		0.0000
CP228801	CON074	6	NONE	0.0000
CPCON074	229001	6	NONE	0.0050
CP229001	229002	6	NONE	0.0000
CP229002	CON212	6	NONE	0.0000
CPCON212	555101	6	NONE	0.0050
CP555101	229101	6	NONE	0.0000
CP229101	229131	6	NONE	0.0000
CP229131	229102	6	228731	0.0000
CP229151	229102	2	NONE	-3. 0.0000
CP229102	NBCL36	6	NONE	0.0050
** NORTH BOSQUE NEAR CLIFTON				
**CPNBCL36	229201	1	NONE	-3. 0.0000
CPNBCL36	NBSUBS	1	NONE	-3.
CPNBSUBS	NB-DRY	2	NBCL36	NONE -3.
CPNB-DRY	NB-AVG	2	NBCL36	NONE -3.
CPNB-AVG	NB-WET	2	NBCL36	NONE -3.
CPNB-WET	NBDPUL	2	NBCL36	NONE -3.
CPNBDPUL	NBAPUL	2	NBCL36	NONE -3.
CPNBAPUL	NBWPUL	2	NBCL36	NONE -3.
CPNBWPUL	229201	2	NBCL36	NONE -3. 0.0000
**				
CP229201	229301	6	NONE	0.0000
CP229301	229401	6	NONE	0.0350
CP229401	229402	6	NONE	0.0000
CP229402	229403	6	NONE	0.0000
CP229403	229501	6	NONE	0.0000
CP229501	CON075	6	NONE	0.0000
CP555102	555131	6	NONE	0.0000
CP555151	555131	2	NONE	-3. 0.0000
CP555131	CON212	6	228731	0.0000
CP229701	229731	6	NONE	0.0000
CP229731	229801	6	228731	0.0000
CP229702	229732	6	NONE	0.0000
CP229732	229703	6	NONE	0.0000
CP229703	229733	6	NONE	0.0000
CP229733	229801	6	NONE	0.0000
CP229801	CON075	6	NONE	0.0000
CPCON075	229202	6	NONE	0.0050
CP229202	229203	6	NONE	0.0000
CP229203	229204	6	NONE	0.0050
CP229204	229205	6	NONE	0.0000
CP229205	229901	6	NONE	0.0000
CP229901	229902	6	NONE	0.0050
CP229902	NBVM37	6	NONE	0.0150
CPNBVM37	230000	1	NONE	-3. 0.0040
CP230000	230101	6	NONE	0.0080
CP230101	230205	6	NONE	0.0160
CP230205	230204	6	NONE	0.0040
CP230204	230203	6	NONE	0.0000
CP230203	220804	6	NONE	0.0000
CP220804	230202	6	NONE	0.0040
CP230202	220805	6	NONE	0.0000
CP220805	230201	6	NONE	0.0000
CP230201	220806	6	NONE	0.0040
CP220806	230301	6	NONE	0.0000
CP230301	220807	6	NONE	0.0040
CP220807	230401	6	NONE	0.0000
CP230401	230502	6	NONE	0.0000
CP230502	230501	6	NONE	0.0000
CP230501	230601	6	NONE	0.0280
CP230601	W12262	6	NONE	0.0080
CPW12262	231501	6	NONE	0.0280
CPW12252	231501	6	NONE	0.0000
CPP36361	363631	6	NONE	0.0000
CP231131	CON213	6	228731	0.0000
CP363631	CON213	6	228731	0.0000
CPCON213	231206	6	NONE	0.0000
CP231206	231236	6	NONE	0.0000
CP231236	231205	6	NONE	0.0000
CP231205	231235	6	NONE	0.0000
CP231235	231204	6	NONE	0.0000
CP231204	231234	6	NONE	0.0000
CP231234	231203	6	NONE	0.0000
CP231203	231233	6	NONE	0.0000
CP231233	231202	6	NONE	0.0000

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CP231202	231232	6	NONE	0.0000
CP231232	231201	6	NONE	0.0000
CP231201	231231	6	NONE	0.0000
CP231231	CON214	6	228731	0.0000
CP231331	CON214	6	228731	0.0000
CPCON214	231303	6	NONE	0.0000
CP231303	231302	6	NONE	0.0000
CP231302	231301	6	NONE	0.0000
CP231301	HGCR39	6	NONE	0.0000
CPHGCR39	CON078	1	NONE	-3. 0.0410
CPW12461	230701	6	NONE	0.0000
CP230701	230801	6	NONE	0.0000
CP230801	CON215	6	NONE	0.0000
CP413551	P41351	2	NONE	-3. 0.0000
CPP41351	CON215	6	NONE	0.0000
CP413541	OUT	2	NONE	228731 -3. 0.0000
CPCON215	MBMG38	6	NONE	0.0000
CPMBMG38	CON077	1	NONE	-3. 0.0340
CP231003	231033	6	NONE	0.0000
CP231033	231002	6	NONE	0.0000
CP231002	231032	6	NONE	0.0000
CP231032	231001	6	NONE	0.0000
CP231001	231031	6	NONE	0.0000
CP231031	CON077	6	228731	0.0000
CP102191	230901	2	NONE	-3. 0.0000
CP230901	CON077	6	NONE	0.0000
CP539741	OUT	2	NONE	228731 -3. 0.0000
CP539701	539731	6	NONE	0.0000
CP539731	CON077	6	228731	0.0000
CPCON077	W12462	6	NONE	0.0000
CPW12462	W12251	6	NONE	0.0000
CPW12251	CON078	6	NONE	0.0080
CPCON078	231501	6	NONE	0.0050
CP231431	231432	6	NONE	0.0000
CP231432	231501	6	228731	0.0000
CP509401	509431	6	NONE	0.0000
CP509431	BOWA40	6	228731	0.0080
CP231531	509401	6		0.0000
CP231501	231531	6	NONE	0.0000
CP231602	231601	6	NONE	0.0000
CP231601	BOWA40	6	NONE	0.0000
CPBOWA40	231703	1	NONE	-3. 0.0040
CP231703	231801	6	NONE	0.0000
CP231801	231702	6	NONE	0.0040
CP231702	231701	6	NONE	0.0000
CP231701	433901	6	NONE	0.0040
CP346501	346531	6	NONE	0.0000
CP346531	346801	6	220131	0.0000
CP346631	346801	6	220131	0.0000
CP346701	346731	6	NONE	0.0000
CP346731	346801	6	413331	0.0000
CP106371	346801	2	NONE	-3. 0.0000
CP346801	346831	6	NONE	0.0000
CP346831	CON182	6	220131	0.0000
CP347401	347431	6	NONE	0.0000
CP347431	347501	6	220131	0.0000
CP347501	347531	6	NONE	0.0000
CP347531	CON182	6	220131	0.0000
CPCON182	W12241	6	NONE	0.0000
CPW12241	W12242	6	NONE	0.0000
CP346901	346931	6	NONE	0.0000
CP346931	W12242	6	220131	0.0000
CPW12242	347001	6	NONE	0.0000
CP347001	347031	6	NONE	0.0000
CP347051	347001	2	NONE	-3. 0.0000
CP347031	CON181	6		0.0000
CP347101	347131	6	NONE	0.0000
CP347131	347102	6	NONE	0.0000
CP347102	347132	6	NONE	0.0000
CP347132	CON181	6	220131	0.0000
CP347201	347231	6	NONE	0.0000
CP347231	CON181	6	220131	0.0000
CPCON181	W12232	6	NONE	0.0000
CPW12232	CON180	6	NONE	0.0000
CP347301	347331	6	NONE	0.0000
CP347331	CON180	6	220131	0.0000
CPCON180	CON179	6	NONE	0.0000
CP347901	347931	6	NONE	0.0000
CP347931	348001	6	220131	0.0000
CP348001	348031	6	NONE	0.0000
CP348031	CON179	6	220131	0.0000
CP348101	348131	6	NONE	0.0000
CP348131	CON179	6	220131	0.0000
CP348201	348231	6	NONE	0.0000

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CP348231	348202	6	NONE	0.0000
CP348202	348232	6	NONE	0.0000
CP348232	CON179	6	220131	0.0000
CP348251	348232	2	NONE	-3. 0.0000
CPCON179	CON178	6	NONE	0.0000
CP348301	348302	6	NONE	0.0000
CP348302	348331	6	NONE	0.0000
CP348331	CON178	6	220131	0.0000
CP348401	348431	6	NONE	0.0000
CP348431	CON178	6	220131	0.0000
CPCON178	CON177	6	NONE	0.0000
CP348602	348632	6	NONE	0.0000
CP348632	CON177	6	220131	0.0000
CP348603	348633	6	NONE	0.0000
CP348633	CON177	6	220131	0.0000
CP348501	348531	6	NONE	0.0000
CP348531	348601	6	220131	0.0000
CP348601	348631	6	NONE	0.0000
CP348631	CON177	6	220131	0.0000
CPCON177	CON176	6	NONE	0.0000
CP52741	5274P1	6	NONE	0.0000
CP5274P1	CON176	6	220131	0.0000
CPCON176	CON175	6	NONE	0.0000
CP348701	348731	6	NONE	0.0000
CP348731	348801	6	220131	0.0000
CP348801	348831	6	NONE	0.0000
CP348831	CON175	6	220131	0.0000
CP348901	348931	6	NONE	0.0000
CP348931	CON175	6	220131	0.0000
CPCON175	CON174	6	NONE	0.0000
CP349001	349031	6	NONE	0.0000
CP349031	CON174	6	220131	0.0000
CPCON174	CON173	6	NONE	0.0000
CP349201	349231	6	NONE	0.0000
CP349231	CON173	6	220131	0.0000
CPCON173	CON172	6	NONE	0.0000
CP349301	349331	6	NONE	0.0000
CP349331	349401	6	220131	0.0000
CP349401	349431	6	NONE	0.0000
CP349431	CON172	6	220131	0.0000
CP349501	349531	6	NONE	0.0000
CP349531	CON172	6	220131	0.0000
CPCON172	CON171	6	NONE	0.0000
CP349601	349631	6	NONE	0.0000
CP349631	CON171	6	220131	0.0000
CPCON171	CON170	6	NONE	0.0000
CP349701	349801	6	NONE	0.0000
CP349801	349831	6	NONE	0.0000
CP349831	CON170	6	220131	0.0000
CPCON170	CON169	6	NONE	0.0000
CP349901	349931	6	NONE	0.0000
CP349931	CON169	6	220131	0.0000
CPCON169	350001	6	NONE	0.0000
CP350001	CON168	6	NONE	0.0000
CP350101	350131	6	NONE	0.0000
CP350131	CON168	6	220131	0.0000
CPCON168	LEDL43	6	NONE	0.0000
CPLEDL43	CON051	1	NONE	-3. 0.0000
CP393401	393431	6	NONE	0.0000
CP393431	350301	6	220131	0.0000
CP350201	350231	6	NONE	0.0000
CP350231	350302	6	220131	0.0000
CP350302	350332	6	NONE	0.0000
CP350332	350301	6	NONE	0.0000
CP350301	350331	6	NONE	0.0000
CP350331	CON051	6	220131	0.0000
CPCON051	CON052	6	NONE	0.0090
CP350601	350631	6	NONE	0.0000
CP350631	350801	6	220131	0.0000
CP350801	350831	6	NONE	0.0000
CP350831	CON052	6	220131	0.0000
CPCON052	CON053	6	NONE	0.0000
CP350401	350431	6	NONE	0.0000
CP350431	350501	6	220131	0.0000
CP350501	350531	6	NONE	0.0000
CP350531	CON053	6	220131	0.0000
CPCON053	351101	6	NONE	0.0180
CP351101	351201	6	NONE	0.0000
CP351201	CON054	6	NONE	0.0450
CP351501	351531	6	NONE	0.0000
CP351531	351631	6	220131	0.0000
CP351631	CON054	6	220131	0.0000
CP351401	351431	6	NONE	0.0000
CP351431	CON054	6	220131	0.0000

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CP351701	351731	6	NONE		0.0000
CP351731	CON054	6	220131		0.0000
CP351801	351831	6	NONE		0.0000
CP351831	CON054	6	220131		0.0000
CP351901	351931	6	NONE		0.0000
CP351931	CON054	6	220131		0.0000
CPCON054	CON060	6	NONE		0.0630
CPW12231	CON060	6	NONE		0.0000
CP352001	352031	6	NONE		0.0000
CP352031	352802	6	220131		0.0000
CP352101	352131	6	NONE		0.0000
CP352131	352802	6	220131		0.0000
CP352202	352232	6	NONE		0.0000
CP352232	352201	6	NONE		0.0000
CP352201	352231	6	NONE		0.0000
CP352231	352802	6	220131		0.0000
CP352301	352331	6	NONE		0.0000
CP352331	352402	6	220131		0.0000
CP352402	352432	6	NONE		0.0000
CP352432	352401	6	NONE		0.0000
CP352401	352431	6	NONE		0.0000
CP352431	352802	6	220131		0.0000
CP352501	352531	6	NONE		0.0000
CP352531	352802	6	220131		0.0000
CP426301	426331	6	NONE		0.0000
CP426331	352802	6	NONE		0.0000
CP352601	352631	6	NONE		0.0000
CP352631	352802	6	220131		0.0000
CP352801	352831	6	NONE		0.0000
CP352831	352802	6	220131		0.0000
CP353001	353031	6	NONE		0.0000
CP353031	352802	6	220131		0.0000
CP353002	353032	6	NONE		0.0000
CP353032	352802	6	220131		0.0000
CP352802	353201	6	NONE		0.0000
CP353101	353131	6	NONE		0.0000
CP353131	353102	6	220131		0.0000
CP353102	353132	6	NONE		0.0000
CP353132	353201	6	220131		0.0000
CP526001	526031	6	NONE		0.0000
CP526031	353201	6	220131		0.0000
CP526002	526032	6	NONE		0.0000
CP526032	353201	6	220131		0.0000
CP353241	OUT	2	NONE	220131	-3. 0.0000
CP353201	353401	6	NONE		0.0000
CP353301	353331	6	NONE		0.0000
CP353331	353104	6	220131		0.0000
CP353104	353134	6	NONE		0.0000
CP353134	353401	6	220131		0.0000
CP353103	353133	6	NONE		0.0000
CP353133	353401	6	220131		0.0000
CP353442	OUT	2	NONE	NONE	-3. 0.0000
CP353441	OUT	2	NONE	220131	-3. 0.0000
CP353401	354301	6	NONE		0.0000
CP353501	353531	6	NONE		0.0000
CP353531	353602	6	220131		0.0000
CP353602	353632	6	NONE		0.0000
CP353632	353601	6	NONE		0.0000
CP353601	353631	6	NONE		0.0000
CP353631	354301	6	220131		0.0000
CP353701	353731	6	NONE		0.0000
CP353731	353801	6	220131		0.0000
CP353751	353801	2	NONE	NONE	-3. 0.0000
CP353801	353831	6	NONE		0.0000
CP353831	354301	6	220131		0.0000
CP353901	353931	6	NONE		0.0000
CP353931	354301	6	220131		0.0000
CP354003	354032	6	NONE		0.0000
CP354032	354301	6	220131		0.0000
CP354101	354131	6	NONE		0.0000
CP354131	354231	6	220131		0.0000
CP354231	354301	6	220131		0.0000
CP354301	SADL44	6	NONE		0.0000
CP354401	354401	1	NONE		-3. 0.0000
CP354401	354001	6	NONE		0.0080
CP354001	CON055	6	NONE		0.0080
CP354002	354031	6	NONE		0.0000
CP354031	CON055	6	220131		0.0000
CP354501	354531	6	NONE		0.0000
CP354531	CON055	6	220131		0.0000
CP354602	354631	6	NONE		0.0000
CP354631	354601	6	220131		0.0000
CP354601	CON055	6	NONE		0.0000
CP354341	OUT	2	NONE	220131	-3. 0.0000

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CP354641	OUT	2	NONE	NONE	-3.	0.0000
CPCON055	CON056	6		NONE		0.0080
CP354701	354731	6		NONE		0.0000
CP354731	CON056	6		220131		0.0000
CP354801	354831	6		NONE		0.0000
CP354831	CON056	6		220131		0.0000
CPCON056	CON057	6		NONE		0.0080
CP354901	354931	6		NONE		0.0000
CP354931	CON057	6		220131		0.0000
CP355001	355031	6		NONE		0.0000
CP355031	CON057	6		220131		0.0000
CP355101	355131	6		NONE		0.0000
CP355131	CON057	6		220131		0.0000
CPCON057	CON058	6		NONE		0.0230
CP507301	507331	6		NONE		0.0000
CP507331	CON058	6		220131		0.0000
CPCON058	CON060	6		NONE		0.0520
CP355201	355231	6		NONE		0.0000
CP355231	CON060	6		220131		0.0000
CP355301	355331	6		NONE		0.0000
CP355331	CON060	6		220131		0.0000
CP355401	355431	6		NONE		0.0000
CP355431	CON060	6		220131		0.0000
CP355501	355531	6		NONE		0.0000
CP355531	CON060	6		220131		0.0000
CP355601	355701	6		220131		0.0000
CP355701	355731	6		NONE		0.0000
CP355731	CON060	6		220131		0.0000
CPCON060	CON246	6		NONE		0.0440
CP355801	WL2222	6		NONE		0.0000
CPW12222	CON246	6		NONE		0.0000
CPCON246	CON059	6		NONE		0.0110
CP380801	380802	6		NONE		0.0000
CP380802	380831	6		NONE		0.0000
CP380831	380803	6		220131		0.0000
CP380851	380803	2	NONE	NONE	-3.	0.0000
CP380803	384402	6		NONE		0.0000
CP384402	384403	6		NONE		0.0000
CP384403	384404	6		NONE		0.0000
CP384404	384431	6		NONE		0.0000
CP384431	384401	6		220131		0.0000
CP356031	384401	6		220131		0.0000
CP384401	357501	6		NONE		0.0000
CP356101	356131	6		NONE		0.0000
CP356131	357501	6		220131		0.0000
CP356201	356231	6		NONE		0.0000
CP356231	357501	6		220131		0.0000
CP356301	356331	6		NONE		0.0000
CP356331	357501	6		220131		0.0000
CP356501	356531	6		NONE		0.0000
CP356531	357501	6		220131		0.0000
CP356731	357501	6		220131		0.0000
CP518701	518731	6		NONE		0.0000
CP518731	357501	6		225331		0.0000
CP356802	356832	6		NONE		0.0000
CP356832	356801	6		NONE		0.0000
CP356801	356831	6		NONE		0.0000
CP356831	356901	6		225331		0.0000
CP356861	356841	2	NONE	NONE	-3.	0.0000
CP356841	OUT	2	NONE	225331	-3.	0.0000
CP356901	356931	6		NONE		0.0000
CP356931	357501	6		220131		0.0000
CP357201	357501	6		NONE		0.0000
CP357231	357501	6		220131		0.0000
CP357301	357331	6		NONE		0.0000
CP357331	357501	6		220131		0.0000
CP525501	525531	6		NONE		0.0000
CP525531	357501	6		220131		0.0000
CP357501	357801	6		NONE		0.0000
CP388031	357401	6		NONE		0.0000
CP357401	357431	6		NONE		0.0000
CP357431	357503	6		220131		0.0000
CP357502	357531	6		NONE		0.0000
CP357531	357503	6		NONE		0.0000
CP357503	357532	6		NONE		0.0000
CP357532	357504	6		220131		0.0000
CP357504	357533	6		NONE		0.0000
CP357533	357801	6		NONE		0.0000
CP357801	357901	6		NONE		0.0000
CP357803	357831	6		NONE		0.0000
CP357831	357901	6		220131		0.0000
CP357851	357901	2	NONE	NONE	-3.	0.0000
CP357852	357901	2	NONE	NONE	-3.	0.0000
CP357961	357941	2	NONE	NONE	-3.	0.0000

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CP357941	OUT	2	NONE	220131	-3.	0.0000
CP357901	357802	6		NONE		0.0000
CP357802	359501	6		NONE		0.0000
CP357841	OUT	2	NONE	NONE	-3.	0.0000
CP357832	OUT	2	NONE	NONE	-3.	0.0000
CP358001	358031	6		NONE		0.0000
CP358031	359501	6		220131		0.0000
CP358002	358032	6		NONE		0.0000
CP358032	359501	6		NONE		0.0000
CP358101	358131	6		NONE		0.0000
CP358131	359501	6		220131		0.0000
CPF51611	5161P1	6		NONE		0.0000
CP5161P1	359501	6		NONE		0.0000
CP516161	516141	2	NONE	NONE	-3.	0.0000
CP516141	OUT	2	NONE	NONE	-3.	0.0000
CP358401	358501	6		NONE		0.0000
CP426401	426431	6		NONE		0.0000
CP426431	541601	6		NONE		0.0000
CP541601	541631	6		NONE		0.0000
CP541631	358502	6		220131		0.0000
CP358502	358532	6		NONE		0.0000
CP358532	358501	6		220131		0.0000
CP358501	358531	6		NONE		0.0000
CP358441	OUT	2	NONE	220131	-3.	0.0000
CP358442	OUT	2	NONE	NONE	-3.	0.0000
CP358531	358503	6		220131		0.0000
CP358503	358601	6		220131		0.0000
CP358601	358631	6		NONE		0.0000
CP358631	358701	6		220131		0.0000
CP358701	358731	6		NONE		0.0000
CP358731	358801	6		220131		0.0000
CP358801	358831	6		NONE		0.0000
CP358831	358901	6		220131		0.0000
CP358901	358931	6		NONE		0.0000
CP358931	359001	6		220131		0.0000
CP359001	359031	6		NONE		0.0000
CP359031	359501	6		220131		0.0000
CP359201	359231	6		NONE		0.0000
CP359231	359501	6		220131		0.0000
CP359301	359331	6		NONE		0.0000
CP359331	359501	6		220131		0.0000
CP359401	359501	6		220131		0.0000
CP359501	361901	6		NONE		0.0000
CP359541	OUT	2	NONE	220131	-3.	0.0000
CP359701	359801	6		NONE		0.0000
CP359801	359831	6		NONE		0.0000
CP359831	359901	6		225331		0.0000
CP359901	359931	6		NONE		0.0000
CP359931	360031	6		225331		0.0000
CP360031	360131	6		225331		0.0000
CP360131	360231	6		225331		0.0000
CP360231	390201	6		225331		0.0000
CP390201	390231	6		NONE		0.0000
CP390231	360331	6		225331		0.0000
CP360331	360431	6		225331		0.0000
CP360431	360531	6		225331		0.0000
CP360531	360601	6		225331		0.0000
CP360541	OUT	2	NONE	NONE	-3.	0.0000
CP360601	360701	6		NONE		0.0000
CP360701	360731	6		NONE		0.0000
CP360731	360801	6		225331		0.0000
CP359601	359631	6		NONE		0.0000
CP359631	360801	6		225331		0.0000
CP360801	360831	6		NONE		0.0000
CP360831	361101	6		225331		0.0000
CP360901	360931	6		NONE		0.0000
CP360931	361101	6		225331		0.0000
CP361001	361031	6		NONE		0.0000
CP361031	361101	6		225331		0.0000
CP361101	361102	6		NONE		0.0000
CP361102	361201	6		NONE		0.0000
CP361201	361801	6		NONE		0.0000
CP361202	361231	6		NONE		0.0000
CP361231	361801	6		225331		0.0000
CP361301	361331	6		NONE		0.0000
CP361331	361401	6		225331		0.0000
CP361401	361431	6		NONE		0.0000
CP361431	361501	6		225331		0.0000
CP361501	361531	6		NONE		0.0000
CP361531	361601	6		225331		0.0000
CP361601	361631	6		NONE		0.0000
CP361631	361801	6		225331		0.0000
CP361701	361731	6		NONE		0.0000
CP361731	361801	6		225331		0.0000

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CP361802	361831	6	NONE	0.0000
CP361831	361801	6	220131	0.0000
CP361851	361801	2	NONE NONE	-3. 0.0000
CP361801	361901	6	NONE	0.0000
CP361902	361931	6	NONE	0.0000
CP361931	361901	6	220131	0.0000
CP361951	361901	2	NONE NONE	-3. 0.0000
CP361941	OUT	2	NONE 220131	-3. 0.0000
CP361901	362021	6	NONE	0.0000
CP362021	362011	6	NONE	0.0000
CP362011	W12221	6	NONE	0.0000
CPW12221	CON061	6	NONE	0.0000
CP362001	362031	6	NONE	0.0000
CP362031	CON061	6	225331	0.0000
CP362202	362232	6	NONE	0.0000
CP362232	362201	6	NONE	0.0000
CP362201	362231	6	NONE	0.0000
CP362231	CON061	6	225331	0.0000
CP362302	362331	6	NONE	0.0000
CP362301	362401	6	NONE	0.0000
CP362331	362301	6	225331	0.0000
CP362401	CON061	6	NONE	0.0000
CP362402	362302	6	225331	0.0000
CPCON061	CON059	6	NONE	0.0000
CPCON059	W12211	6	NONE	0.0000
CPW12211	515901	6	NONE	0.0000
CP284101	284131	6	NONE	0.0000
CP284131	284201	6	220131	0.0000
CP284201	284231	6	NONE	0.0000
CP284231	284602	6	NONE	0.0000
CP284602	284632	6	NONE	0.0000
CP284632	284701	6	220131	0.0000
CP284701	284731	6	NONE	0.0000
CP284301	284331	6	NONE	0.0000
CP284331	284401	6	220131	0.0000
CP284401	284431	6	NONE	0.0000
CP284431	284602	6	NONE	0.0000
CP539001	539031	6	NONE	0.0000
CP539031	284602	6	220131	0.0000
CP284501	284531	6	NONE	0.0000
CP284531	284601	6	220131	0.0000
CP284601	284631	6	NONE	0.0000
CP284631	284602	6	NONE	0.0000
CP284731	285004	6	220131	0.0000
CP285004	285003	6	NONE	0.0000
CP285003	285002	6	NONE	0.0000
CP285005	285031	6	NONE	0.0000
CP285031	285002	6	225331	0.0000
CP285002	285001	6	NONE	0.0000
CP284801	284831	6	NONE	0.0000
CP284831	284901	6	225331	0.0000
CP284901	284931	6	NONE	0.0000
CP284931	285004	6	NONE	0.0000
CP285001	285201	6	NONE	0.0000
CP285201	285202	6	NONE	0.0000
CP285202	285203	6	NONE	0.0000
CP285203	285301	6	NONE	0.0000
CP285301	285302	6	NONE	0.0000
CP285101	285131	6	NONE	0.0000
CP285131	285102	6	NONE	0.0000
CP285102	285132	6	NONE	0.0000
CP285132	285201	6	225331	0.0000
CP285302	CON084	6	NONE	0.0000
CP515901	515931	6	NONE	0.0000
CP515931	362603	6		0.0090
CP362603	362602	6	NONE	0.0000
CP362602	362701	6	NONE	0.0090
CP362701	362601	6	NONE	0.0000
CP362601	LEHS45	6	NONE	0.0090
CPLEHS45	CON080	1	NONE	-3. 0.0000
CP515951	362603	2	NONE NONE	-3. 0.0000
CP362901	362931	6	NONE	0.0000
CP362931	CON080	6	220131	0.0000
CPCON080	363001	6	NONE	0.0000
CP363001	363101	6	NONE	0.0210
CP363101	363201	6	NONE	0.0100
CP363201	363301	6	NONE	0.0100
CP363301	363401	6	NONE	0.0410
CP363401	363501	6	NONE	0.0000
CP363501	CON081	6	NONE	0.0100
CP364201	CON081	6	NONE	0.0000
CPCON081	364601	6	NONE	0.0000
CP364601	363601	6	NONE	0.0000
CP363601	CON082	6	NONE	0.0000

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CP363747	OUT	2	NONE	NONE	-3.	0.0000
CP363746	OUT	2	NONE	NONE	-3.	0.0000
CP363742	OUT	2	NONE	NONE	-3.	0.0000
CP363741	OUT	2	NONE	225331	-3.	0.0000
CP363740	OUT	2	NONE	NONE	-3.	0.0000
CP363749	OUT	2	NONE	NONE	-3.	0.0000
CP363748	OUT	2	NONE	NONE	-3.	0.0000
CP363745	OUT	2	NONE	NONE	-3.	0.0000
CP363744	OUT	2	NONE	NONE	-3.	0.0000
CP363743	OUT	2	NONE	NONE	-3.	0.0000
CP363701	363731	6		NONE		0.0000
CP363731	363702	6		NONE		0.0000
CP363702	363732	6		NONE		0.0000
CP363732	363703	6		NONE		0.0000
CP363703	363733	6		NONE		0.0000
CP363733	363801	6		225331		0.0000
CP363801	363831	6		NONE		0.0000
CP363831	363901	6		225331		0.0000
CP363901	364003	6		NONE		0.0000
CP364003	364033	6		NONE		0.0000
CP364033	364002	6		NONE		0.0000
CP364002	364032	6		NONE		0.0000
CP364032	364001	6		NONE		0.0000
CP364001	364031	6		NONE		0.0000
CP363941	OUT	2	NONE	225331	-3.	0.0000
CP364031	364201	6		225331		0.0000
CP364131	364201	6		225331		0.0000
CP364301	364331	6		NONE		0.0000
CP364331	364302	6		NONE		0.0000
CP364302	364332	6		NONE		0.0000
CP364332	364303	6		NONE		0.0000
CP364303	364333	6		NONE		0.0000
CP364333	364304	6		NONE		0.0000
CP364304	364334	6		NONE		0.0000
CP364334	364401	6		225331		0.0000
CP364401	364431	6		NONE		0.0000
CP364431	CON081	6		225331		0.0000
CP364532	364501	6		225331		0.0000
CP364501	364531	6		NONE		0.0000
CP364531	CON081	6		225331		0.0000
CP364702	364732	6		NONE		0.0000
CP364732	364801	6		225331		0.0000
CP364701	364731	6		NONE		0.0000
CP364731	364801	6		225331		0.0000
CP364801	CON082	6		NONE		0.0000
CP364841	OUT	2	NONE	225331	-3.	0.0000
CP364842	OUT	2	NONE	NONE	-3.	0.0000
CP365041	OUT	2	NONE	225331	-3.	0.0000
CPCON082	364802	6		NONE		0.0100
CP364802	364901	6		NONE		0.0000
CP364901	365001	6		NONE		0.0000
CP365001	365102	6		NONE		0.0100
CP365102	365201	6		NONE		0.0100
CP365201	365101	6		NONE		0.0000
CP365101	365301	6		NONE		0.0000
CP365301	365401	6		NONE		0.0100
CP365401	365402	6		NONE		0.0000
CP365402	365502	6		NONE		0.0100
CP365502	365501	6		NONE		0.0000
CP365501	365601	6		NONE		0.0210
CP365601	365701	6		NONE		0.0100
CP365701	365801	6		NONE		0.0000
CP365801	CON083	6		NONE		0.0100
CP347601	CON083	6		NONE		0.0000
CP365901	365931	6		NONE		0.0000
CP365931	366201	6		225331		0.0000
CP366201	366231	6		NONE		0.0000
CP366231	347601	6		225331		0.0000
CP366001	366002	6		NONE		0.0000
CP366002	366003	6		NONE		0.0000
CP366003	366031	6		NONE		0.0000
CP366031	366101	6		225331		0.0000
CP366101	366201	6		NONE		0.0000
CP366301	366331	6		NONE		0.0000
CP366331	347601	6		225331		0.0000
CPCON083	281421	6		NONE		0.0000
CP281421	281501	6		NONE		0.0100
CP365302	281501	6		NONE		0.0100
CP281501	281601	6		NONE		0.0000
CP281601	281502	6		NONE		0.0000
CP281502	281602	6		NONE		0.0000
CP281602	281503	6		NONE		0.0000
CP281503	281603	6		NONE		0.0000
CP281603	281701	6		NONE		0.0210

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CP281701	281411	6	NONE	0.0100
CP281401	281701	6	NONE	0.0000
CP281441	OUT	2	NONE 225331	-3. 0.0000
CP281411	281801	6	NONE	0.0000
CP365303	281801	6	NONE	0.0000
CP281801	281901	6	NONE	0.0000
CP281901	282002	6	NONE	0.0100
CP282002	282001	6	NONE	0.0000
CP282001	282101	6	NONE	0.0100
CP282101	282201	6	NONE	0.0000
CP282201	282102	6	NONE	0.0000
CP282102	282202	6	NONE	0.0000
CP282202	282103	6	NONE	0.0000
CP282103	282203	6	NONE	0.0000
CP282203	282104	6	NONE	0.0000
CP282104	282204	6	NONE	0.0000
CP282204	282105	6	NONE	0.0000
CP282105	282205	6	NONE	0.0000
CP282205	282301	6	NONE	0.0100
CP282301	282401	6	NONE	0.0000
CP282401	282501	6	NONE	0.0100
CP282501	282502	6	NONE	0.0000
CP282502	282503	6	NONE	0.0100
CP282503	282504	6	NONE	0.0000
CP282504	282601	6	NONE	0.0100
CP282601	282701	6	NONE	0.0000
CP282701	282801	6	NONE	0.0000
CP282801	282901	6	NONE	0.0100
CP282901	283001	6	NONE	0.0000
CP283001	282902	6	NONE	0.0000
CP282902	283101	6	NONE	0.0000
CP283101	283201	6	NONE	0.0100
CP283201	283102	6	NONE	0.0000
CP283102	283301	6	NONE	0.0000
CP283301	283202	6	NONE	0.0000
CP283202	283203	6	NONE	0.0000
CP283203	283401	6	NONE	0.0100
CP283401	283504	6	NONE	0.0000
CP283504	283601	6	NONE	0.0000
CP283601	283602	6	NONE	0.0000
CP283602	283503	6	NONE	0.0000
CP283503	283701	6	NONE	0.0100
CP283701	283801	6	NONE	0.0000
CP283801	283502	6	NONE	0.0000
CP283502	283702	6	NONE	0.0000
CP283702	284001	6	NONE	0.0000
CP284001	284031	6	NONE	0.0000
CP284031	283002	6	225331	0.0000
CP283002	283901	6	NONE	0.0000
CP283901	283501	6	NONE	0.0000
CP283501	283703	6	NONE	0.0000
CP283703	CON084	6	NONE	0.0100
CPCON084	285401	6	NONE	0.0000
CP285401	285501	6	NONE	0.0000
CP285501	285502	6	NONE	0.0100
CP285502	285601	6	NONE	0.0000
CP285601	285602	6	NONE	0.0100
CP285602	285701	6	NONE	0.0000
CP285701	285702	6	NONE	0.0000
CP285702	285703	6	NONE	0.0000
CP285703	285801	6	NONE	0.0100
CP285801	285802	6	NONE	0.0000
CP285802	285901	6	NONE	0.0000
CP285901	285902	6	NONE	0.0100
CP285902	285903	6	NONE	0.0000
CP285903	286001	6	NONE	0.0100
CP286001	CON085	6	NONE	0.0000
CPCON085	286002	6	NONE	0.0210
CP286101	286131	6	NONE	0.0000
CP286131	CON085	6	225331	0.0000
CP286002	286003	6	NONE	0.0000
CP286003	286201	6	NONE	0.0410
CP286201	LEHM46	6	NONE	0.0000
CPLEHM46	286202	1	NONE	-3. 0.0000
CP286202	286203	6	NONE	0.0000
CP286251	286203	2	NONE	-3. 0.0000
CP286203	286321	6	NONE	0.0000
CP286321	286311	6	NONE	0.0000
CP286311	286401	6	NONE	0.0000
CP286401	286501	6	NONE	0.0000
CP286501	286502	6	NONE	0.0000
CP286502	286503	6	NONE	0.0000
CP286503	286504	6	NONE	0.0000
CP286504	286402	6	NONE	0.0000

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CP286402	286505	6	NONE	0.0000
CP286505	286601	6	NONE	0.0000
CP286601	286701	6	NONE	0.0010
CP286701	286801	6	NONE	0.0000
CP286801	286802	6	NONE	0.0000
CP286802	286803	6	NONE	0.0000
CP286803	382631	6	NONE	0.0010
CP382631	286901	6	NONE	0.0000
CP286901	CON086	6	NONE	0.0000
CPCON086	287321	6	NONE	0.0000
CP287321	287311	6	NONE	0.0000
CP287311	287402	6	NONE	0.0000
CP287001	287031	6	NONE	0.0000
CP287031	287101	6	225331	0.0000
CP287101	287131	6	NONE	0.0000
CP287131	287201	6	NONE	0.0000
CP287201	287231	6	NONE	0.0000
CP287231	287102	6	NONE	0.0000
CP287102	287132	6	NONE	0.0000
CP287132	287202	6	NONE	0.0000
CP287202	287232	6	NONE	0.0000
CP287232	287103	6	NONE	0.0000
CP287103	287133	6	NONE	0.0000
CP287133	287203	6	225331	0.0000
CP287203	287233	6	NONE	0.0000
CP287233	CON086	6	NONE	0.0000
CP287402	287421	6	NONE	0.0000
CP287421	287401	6	NONE	0.0000
CP287401	287411	6	NONE	0.0000
CP287411	287431	6	NONE	0.0000
CP287431	287502	6	NONE	0.0000
CP287502	287531	6	NONE	0.0000
CP287531	287601	6	228731	0.0000
CP287601	287602	6	NONE	0.0000
CP287602	287603	6	NONE	0.0000
CP287603	287604	6	NONE	0.0000
CP287604	287702	6	NONE	0.0000
CP287702	287721	6	NONE	0.0000
CP287721	287803	6	NONE	0.0000
CP287803	287802	6	NONE	0.0000
CP287802	287901	6	NONE	0.0000
CP287901	287902	6	NONE	0.0000
CP287902	287903	6	NONE	0.0000
CP287903	CON087	6	NONE	0.0000
CP287501	287401	6	NONE	0.0000
CP287801	287904	6	NONE	0.0000
CP287904	287931	6	NONE	0.0000
CP287931	CON087	6	228731	0.0000
CPCON087	287701	6	NONE	0.0000
CP287701	287711	6	NONE	0.0000
CP287711	288002	6	NONE	0.0010
CP288002	288102	6	NONE	0.0000
CP288102	288001	6	NONE	0.0000
CP288001	288101	6	NONE	0.0000
CP288101	288206	6	NONE	0.0000
CP288206	288301	6	NONE	0.0000
CP288301	288205	6	NONE	0.0000
CP288205	288204	6	NONE	0.0000
CP288204	288203	6	NONE	0.0000
CP288203	288202	6	NONE	0.0000
CP288202	288201	6	NONE	0.0000
CP288201	288421	6	NONE	0.0000
CP288421	288411	6	NONE	0.0000
CP288411	288501	6	NONE	0.0000
CP288501	288502	6	NONE	0.0000
CP288502	288705	6	NONE	0.0020
CP288705	288704	6	NONE	0.0000
CP288704	288703	6	NONE	0.0000
CP288703	288702	6	NONE	0.0000
CP288702	288601	6	NONE	0.0000
CP288601	288701	6	NONE	0.0000
CP288701	288801	6	NONE	0.0000
CP288801	289003	6	NONE	0.0010
CP289003	289002	6	NONE	0.0000
CP289002	289001	6	NONE	0.0000
CP289001	289103	6	NONE	0.0010
CP289103	289102	6	NONE	0.0000
CP289102	289101	6	NONE	0.0000
CP289101	289202	6	NONE	0.0000
CP289202	289201	6	NONE	0.0000
CP289201	289301	6	NONE	0.0000
CP289301	289402	6	NONE	0.0000
CP289402	289401	6	NONE	0.0000
CP289401	CON088	6	NONE	0.0010

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CP289503	289608	6		NONE	0.0000
CP289608	289607	6		NONE	0.0000
CP289607	289606	6		NONE	0.0000
CP289606	289605	6		NONE	0.0000
CP289605	289604	6		NONE	0.0000
CP289604	289603	6		NONE	0.0000
CP289603	289602	6		NONE	0.0000
CP289602	289601	6		NONE	0.0000
CP289502	289501	6		NONE	0.0000
CP289501	289609	6		NONE	0.0000
CP289609	289607	6		NONE	0.0000
CP289601	289701	6		NONE	0.0000
CP289701	CON088	6		NONE	0.0000
CPCON088	289802	6		NONE	0.0020
CP289802	289801	6		NONE	0.0000
CP289801	289906	6		NONE	0.0020
CP289906	289905	6		NONE	0.0000
CP289905	289904	6		NONE	0.0000
CP289904	289903	6		NONE	0.0000
CP289903	289902	6		NONE	0.0000
CP289902	289901	6		NONE	0.0000
CP289901	290002	6		NONE	0.0000
CP290002	290001	6		NONE	0.0000
CP290001	290102	6		NONE	0.0000
CP290102	290101	6		NONE	0.0000
CP290101	LEGT47	6		NONE	0.0000
CP101762	LEGT47	2	NONE	NONE	-3. 0.0000
** Leon River at Gatesville					
**CPLEGT47	290201	1		NONE	-3. 0.0060
CPLEGT47	GTSUBS	1		NONE	-3.
CPGTSUBS	GT-DRY	2	LEGT47	NONE	-3.
CPGT-DRY	GT-AVG	2	LEGT47	NONE	-3.
CPGT-AVG	GT-WET	2	LEGT47	NONE	-3.
CPGT-WET	GTDPU	2	LEGT47	NONE	-3.
CPGTDPU	GTASPL	2	LEGT47	NONE	-3.
CPGTASPL	GTWSPL	2	LEGT47	NONE	-3.
CPGTWSPL	290201	2	LEGT47	NONE	-3. 0.0060
**					
CP101761	290201	2	NONE	NONE	-3. 0.0000
CP290201	290302	6		NONE	0.0010
CP290302	290321	6		NONE	0.0000
CP290321	290301	6		NONE	0.0010
CP290301	290311	6		NONE	0.0000
CP290311	290402	6		NONE	0.0000
CP290402	290401	6		NONE	0.0000
CPCON089	290601	6		NONE	0.0010
CP290601	290801	6		NONE	0.0010
CP290801	281302	6		NONE	0.0000
CP281302	281301	6		NONE	0.0000
CP281301	290901	6		NONE	0.0010
CP290901	290902	6		NONE	0.0000
CP290902	291001	6		NONE	0.0000
CP291001	291101	6		NONE	0.0000
CP291101	W12212	6		NONE	0.0020
CP290501	CON089	6		NONE	0.0000
CP290701	290901	6		NONE	0.0000
CPW12202	CON090	6		NONE	0.0000
CPW12212	291401	6		NONE	0.0000
CP291401	CON090	6		NONE	0.0050
CP291521	291511	6		NONE	0.0000
CP291511	CON090	6		NONE	0.0000
CPCON090	W12201	6		NONE	0.0050
CP103511	W12201	2	NONE	NONE	-3. 0.0000
CPW12201	W12192	6		NONE	0.0000
CP291621	291611	6		NONE	0.0000
CP291611	291821	6		NONE	0.0000
CP291821	291832	6		NONE	0.0000
CP291832	291811	6		NONE	0.0000
CP291811	291831	6		NONE	0.0000
CP291831	292101	6		225331	0.0000
CP291701	291731	6		NONE	0.0000
CP291731	291821	6		225331	0.0000
CP291903	291932	6		NONE	0.0000
CP291932	291902	6		NONE	0.0000
CP291902	291931	6		NONE	0.0000
CP291931	291901	6		225331	0.0000
CP291901	292002	6		NONE	0.0000
CP292002	292031	6		NONE	0.0000
CP292031	292001	6		225331	0.0000
CP292001	292101	6		NONE	0.0000
CP292101	292102	6		NONE	0.0000
CP292102	292103	6		NONE	0.0000
CP292103	292201	6		NONE	0.0000
CP292201	292202	6		NONE	0.0000

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CP292202	292301	6		NONE		0.0000
CP292301	292401	6		NONE		0.0000
CP292402	292431	6		NONE		0.0000
CP292431	292401	6		225331		0.0000
CP292401	292621	6		NONE		0.0000
CP292621	292611	6		NONE		0.0000
CP292611	292721	6		NONE		0.0000
CP292721	292711	6		NONE		0.0000
CP292711	292801	6		NONE		0.0000
CP292801	292901	6		NONE		0.0000
CP292901	292902	6		NONE		0.0000
CP292902	292903	6		NONE		0.0000
CP292903	293001	6		NONE		0.0000
CP293001	293002	6		NONE		0.0000
CP293002	293101	6		NONE		0.0000
CP293101	293102	6		NONE		0.0000
CP293102	293103	6		NONE		0.0000
CP293103	293201	6		NONE		0.0000
CP293201	293321	6		NONE		0.0000
CP293321	293311	6		NONE		0.0000
CP293301	293311	6		NONE		0.0000
CP293311	COPI48	6		NONE		0.0000
CP293402	293401	6		NONE		0.0000
CP293401	COPI48	6		NONE		0.0000
CPCOPI48	CON092	1		NONE	-3.	0.0010
CP293503	293531	6		NONE		0.0000
CP293531	293502	6		228731		0.0000
CP293502	293501	6		NONE		0.0000
CP293501	CON092	6		NONE		0.0000
CPCON092	WL2201	6		NONE		0.0050
CP100455	WL2192	2	NONE	NONE	-3.	0.0000
CP022336	WL2192	2	NONE	NONE	-3.	0.0000
CP022335	WL2192	2	NONE	NONE	-3.	0.0000
CP022334	WL2201	2	NONE	NONE	-3.	0.0000
CPW12192	293601	6		NONE		0.0000
CP293601	293602	6		NONE		0.0000
CP293602	293631	6		NONE		0.0000
CP293631	516001	6				0.0000
CP516001	516002	6		NONE		0.0000
CP516002	516031	6		NONE		0.0000
CP516031	293701	6		293631		0.0000
CP293701	P40241	6		NONE		0.0010
CPP40241	P40242	6		NONE		0.0000
CPP40242	402403	6		228731		0.0000
CP402403	LEBE49	6		NONE		0.0000
CPLLEBE49	293901	1		NONE	-3.	0.0000
CP293801	293831	6		NONE		0.0000
CP293901	293801	6		NONE		0.0000
CP293831	294001	6		228731		0.0010
CP294001	294101	6		NONE		0.0000
CP294101	CON091	6		NONE		0.0000
CP293951	293801	2	NONE	NONE	-3.	0.0000
CPP53301	533002	6		NONE		0.0000
CP533002	533031	6		NONE		0.0000
CP533031	533003	6		NONE		0.0000
CP533051	533003	2	NONE	NONE	-3.	0.0000
CP533003	533032	6		NONE		0.0000
CP533032	CON091	6		228731		0.0000
CPCON091	294205	6		NONE		0.0010
CP294205	CON098	6		NONE		0.0000
CPW12181	294302	6		NONE		0.0000
CP022331	294302	2	NONE	NONE	-3.	0.0000
CP103512	294302	2	NONE	NONE	-3.	0.0000
CP103513	294302	2	NONE	NONE	-3.	0.0000
CP294332	294301	6		228731		0.0000
CP294333	294301	6		228731		0.0000
CP294351	294301	2	NONE	NONE	-3.	0.0000
CP294301	294331	6		NONE		0.0000
CP294331	294302	6		228731		0.0000
CP294302	508801	6		NONE		0.0000
CP508801	508921	6		NONE		0.0000
CP508921	508911	6		NONE		0.0000
CP508911	421821	6		NONE		0.0000
CP421821	421811	6		NONE		0.0000
CP421811	421822	6		NONE		0.0000
CP421822	421812	6		NONE		0.0000
CP421812	294501	6		NONE		0.0000
CP101551	508801	2	NONE	NONE	-3.	0.0000
CP294401	294431	6		NONE		0.0000
CP294431	294501	6		228731		0.0000
CP294501	294621	6		NONE		0.0000
CP294621	294611	6		NONE		0.0000
CP294611	294721	6		NONE		0.0000
CP294721	294801	6		NONE		0.0000

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CP294801	294901	6	NONE	0.0000
CP294901	294711	6	NONE	0.0000
CP294711	295002	6	NONE	0.0000
CP295002	295001	6	NONE	0.0000
CP295001	CON098	6	NONE	0.0000
CP113181	CON098	2	NONE	-3. 0.0000
CPCON098	W12182	6	NONE	0.0000
CPW12182	294204	6	NONE	0.0000
CP294204	294203	6	NONE	0.0000
CP294203	294202	6	NONE	0.0000
CP294202	295101	6	NONE	0.0000
CP295101	294201	6	NONE	0.0000
CP294201	295221	6	NONE	0.0000
CP295221	295211	6	NONE	0.0000
CP295211	547221	6	NONE	0.0010
CP547221	295302	6	NONE	0.0000
CP295302	547211	6	NONE	0.0000
CP547211	295301	6	NONE	0.0000
CP295301	401203	6	NONE	0.0000
CP401203	P40122	6	NONE	0.0000
CPP40122	P40121	6	NONE	0.0000
CPP40121	W12191	6	NONE	0.0010
CP295261	295241	2	NONE	-3. 0.0000
CP295241	OUT	2	NONE	228731 -3. 0.0000
CP295431	295401	6	225331	0.0000
CP295451	295401	2	NONE	-3. 0.0000
CP295432	295401	6	NONE	0.0000
CP295452	295401	2	NONE	-3. 0.0000
CP295401	295433	6	NONE	0.0000
CP295433	CON187	6	NONE	0.0000
CPW12172	CON187	6	NONE	0.0000
CP295502	295531	6	NONE	0.0000
CP295531	295501	6	225331	0.0000
CP295501	295701	6	NONE	0.0000
CP295701	CON187	6	NONE	0.0000
CPCON187	295821	6	NONE	0.0000
CP295821	295811	6	NONE	0.0000
CP295811	CON186	6	NONE	0.0000
CP295902	295901	6	NONE	0.0000
CP295901	296001	6	NONE	0.0000
CP296001	CON186	6	NONE	0.0000
CP297152	296221	2	NONE	-3. 0.0000
CP297151	296221	2	NONE	-3. 0.0000
CP296221	296211	6	NONE	0.0000
CP296211	296103	6	NONE	0.0000
CPCON186	296105	6	NONE	0.0000
CP296105	296104	6	NONE	0.0000
CP296104	296103	6	NONE	0.0000
CP296103	CON185	6	NONE	0.0000
CPCON185	296102	6	NONE	0.0000
CP296102	296101	6	NONE	0.0000
CP296101	CON184	6	NONE	0.0000
CP296305	296333	6	NONE	0.0000
CP296333	296332	6	NONE	0.0000
CP296332	296304	6	NONE	0.0000
CP296304	296303	6	NONE	0.0000
CP296303	296331	6	NONE	0.0000
CP296331	CON184	6	225331	0.0000
CPCON184	296302	6	NONE	0.0000
CP296302	296301	6	NONE	0.0000
CP296301	296401	6	225331	0.0000
CP296401	296503	6	NONE	0.0000
CP296503	296502	6	NONE	0.0000
CP296502	296501	6	NONE	0.0000
CP296501	CON183	6	NONE	0.0000
CP296601	296631	6	NONE	0.0000
CP296631	CON183	6	225331	0.0000
CPCON183	296701	6	NONE	0.0000
CP296701	296703	6	NONE	0.0000
CP296703	296702	6	NONE	0.0000
CP296702	296731	6	NONE	0.0000
CP296731	CON188	6	225331	0.0000
CP296831	296901	6	225331	0.0000
CP296901	296902	6	NONE	0.0000
CP296902	297001	6	NONE	0.0000
CP297001	297002	6	NONE	0.0000
CP297002	297101	6	NONE	0.0000
CP297101	297102	6	NONE	0.0000
CP297102	297201	6	NONE	0.0000
CP297201	297231	6	NONE	0.0000
CP297231	297232	6	225331	0.0000
CP297232	297401	6	NONE	0.0000
CP297301	297331	6	NONE	0.0000
CP297331	297401	6	225331	0.0000

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CP297401	297501	6	NONE	NONE	0.0000
CP102051	297501	2	NONE	NONE	-3. 0.0000
CP297501	297502	6	NONE	NONE	0.0000
CP297502	297601	6	NONE	NONE	0.0000
CP297601	297721	6	NONE	NONE	0.0000
CP297721	297711	6	NONE	NONE	0.0000
CP297711	297802	6	NONE	NONE	0.0000
CP297802	297801	6	NONE	NONE	0.0000
CP297801	297831	6	NONE	NONE	0.0000
CP297831	297921	6	225331	NONE	0.0000
CP297921	297911	6	NONE	NONE	0.0000
CP297911	298001	6	NONE	NONE	0.0000
CP298001	298002	6	NONE	NONE	0.0000
CP297941	OUT	2	NONE	225331	-3. 0.0000
CP298002	298101	6	NONE	NONE	0.0000
CP298101	298102	6	NONE	NONE	0.0000
CP298102	298201	6	NONE	NONE	0.0000
CP298201	298301	6	NONE	NONE	0.0000
CP298301	298401	6	NONE	NONE	0.0000
CP298401	298501	6	NONE	NONE	0.0000
CP298501	298601	6	NONE	NONE	0.0000
CP298601	298602	6	NONE	NONE	0.0000
CP298602	298701	6	NONE	NONE	0.0000
CP298701	CON188	6	NONE	NONE	0.0000
CPCON188	298801	6	NONE	NONE	0.0000
CP298801	LAKE50	6	NONE	NONE	0.0000
** LAMPASAS RIVER NEAR KEMPNER					
**CPLAKE50	298802	1	NONE	NONE	-3. 0.0000
CPLAKE50	LASUBS	1	NONE	NONE	-3.
CPLASUBS	LA-DRY	2	LAKE50	NONE	-3.
CPLA-DRY	LA-AVG	2	LAKE50	NONE	-3.
CPLA-AVG	LA-WET	2	LAKE50	NONE	-3.
CPLA-WET	LADPUL	2	LAKE50	NONE	-3.
CPLADPUL	LAASPL	2	LAKE50	NONE	-3.
CPLAASPL	LAWSPUL	2	LAKE50	NONE	-3.
CPLAWSPL	298802	2	LAKE50	NONE	-3. 0.0000
**					
CP298802	559321	6	NONE	NONE	0.0010
CP559321	559311	6	NONE	NONE	0.0000
CP559311	299021	6	NONE	NONE	0.0010
CP299021	298901	6	NONE	NONE	0.0000
CP298901	299011	6	NONE	NONE	0.0000
**** John & Ida Taylor Amendment 12-2996a, 10/16/2003, jd					
** Additional diversion point for 2996 is between 299011 and CON094					
**CP299011	CON094	6	NONE	NONE	0.0010
CP299121	299111	6	299231	NONE	0.0000
CP299111	299201	6	NONE	NONE	0.0000
CP299201	299231	6	NONE	NONE	0.0000
CP299231	299421	6	NONE	NONE	0.0000
CP299421	299411	6	NONE	NONE	0.0000
CP299411	299321	6	NONE	NONE	0.0000
CP299321	299301	6	NONE	NONE	0.0000
CP299301	299331	6	NONE	NONE	0.0000
CP299331	299302	6	NONE	NONE	0.0000
CP299302	299311	6	NONE	NONE	0.0000
CP299311	299332	6	NONE	NONE	0.0000
CP299332	CON094	6	299231	NONE	0.0000
CPCON094	299503	6	NONE	NONE	0.0000
CP299503	299502	6	NONE	NONE	0.0000
CP299502	299501	6	NONE	NONE	0.0000
CP299501	299601	6	NONE	NONE	0.0010
CP299601	559421	6	NONE	NONE	0.0000
CP559421	559411	6	NONE	NONE	0.0000
CP559411	299721	6	NONE	NONE	0.0010
CP100451	299601	2	NONE	NONE	-3. 0.0000
CP299721	299711	6	NONE	NONE	0.0010
CP299711	299801	6	NONE	NONE	0.0000
CP299801	299901	6	NONE	NONE	0.0000
CP299901	299802	6	NONE	NONE	0.0000
CP299802	W12171	6	NONE	NONE	0.0010
CPW12171	300002	6	NONE	NONE	0.0000
CP300002	300001	6	NONE	NONE	0.0000
CP300001	300101	6	NONE	NONE	0.0000
CP300101	300201	6	NONE	NONE	0.0000
CP300201	LAY051	6	NONE	NONE	0.0000
CPLAY051	300301	1	NONE	NONE	-3. 0.0000
CP300301	W12161	6	NONE	NONE	0.0020
CPW12161	W12151	6	NONE	NONE	0.0050
CPW12162	W12151	6	NONE	NONE	0.0000
CP516101	516102	6	NONE	NONE	0.0000
CP516102	516131	6	NONE	NONE	0.0000
CP516131	300401	6	NONE	NONE	0.0010
CPW12151	516101	6	NONE	NONE	0.0000
CPP41301	4130P1	6	NONE	NONE	0.0000

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CP4130P1	300401	6	NONE		0.0000
CP300401	300501	6	NONE		0.0000
CP300501	300621	6	NONE		0.0000
CP300621	300611	6	NONE		0.0000
CP300611	LABE52	6	NONE		0.0000
CPLABE52	300701	1	NONE	-3.	0.0000
CP300701	300702	6	NONE		0.0000
CP300702	300703	6	NONE		0.0000
CP300703	300801	6	NONE		0.0000
CP300801	300704	6	NONE		0.0000
CP300704	300903	6	NONE		0.0000
CP300903	300705	6	NONE		0.0000
CP300705	300902	6	NONE		0.0000
CP300902	300901	6	NONE		0.0000
CP300901	507601	6	NONE		0.0000
CP507601	301001	6	NONE		0.0000
CP301001	P40001	6	NONE		0.0000
CPP40001	P40031	6	NONE		0.0000
CPP40031	P40021	6	NONE		0.0000
CPP40021	301101	6	NONE		0.0010
CP301101	CON095	6	NONE		0.0010
CPCON095	W12152	6	NONE		0.0000
CPW12432	CON095	6	NONE		0.0000
CPCON096	W12131	6	NONE		0.0000
CPW12431	301201	6	NONE		0.0000
CP301241	301261	2	NONE	299231	-3. 0.0000
CP301261	OUT	2	NONE	NONE	-3. 0.0000
CP301201	301231	6	NONE		0.0000
CP301231	301301	6		299231	0.0000
CP301301	301331	6		NONE	0.0000
CP301331	301431	6		299231	0.0000
CP301431	301401	6		299231	0.0000
CP301401	301502	6		NONE	0.0000
CP301502	301501	6		NONE	0.0000
CP301501	P37631	6		NONE	0.0000
CPP37631	376331	6		NONE	0.0000
CP376331	376302	6		299231	0.0000
CP376302	W12432	6		NONE	0.0000
CPW12131	LRLR53	6		NONE	0.0020
CPW12191	CON096	6		NONE	0.0000
CPW12152	CON096	6		NONE	0.0000
** Little River at Little River					
**CPLRLR53	409521	1	NONE	-3.	0.0000
CPLRLR53	LRSUBS	1		NONE	-3.
CPLRSUBS	LR-DRY	2	LRLR53		NONE -3.
CPLR-DRY	LR-AVG	2	LRLR53		NONE -3.
CPLR-AVG	LR-WET	2	LRLR53		NONE -3.
CPLR-WET	LRDPUL	2	LRLR53		NONE -3.
CPLRDPUL	LRASPL	2	LRLR53		NONE -3.
CPLRASPL	LRWSPL	2	LRLR53		NONE -3.
CPLRWSPL	409521	2	LRLR53		NONE -3.
**					
CP409521	409511	6		NONE	0.0000
CP409511	376201	6		NONE	0.0000
CP376201	CON110	6		NONE	0.0030
CP372602	372632	6		NONE	0.0000
CP372632	372601	6		NONE	0.0000
CP372601	372631	6		299231	0.0000
CP372631	CON099	6		299231	0.0000
CP372501	CON110	6		228731	0.0000
CPCON110	CON099	6		NONE	0.0010
CPCON099	410921	6		NONE	0.0010
CP410921	410911	6		NONE	0.0000
CP410911	P40151	6		NONE	0.0000
CPP40151	401502	6		NONE	0.0000
CP401502	401504	6		NONE	0.0000
CP401504	401503	6		NONE	0.0000
CP401503	401505	6		NONE	0.0010
CP401505	CON100	6		NONE	0.0030
CPCON100	CON101	6		NONE	0.0000
CP372701	372731	6		NONE	0.0000
CP372731	CON100	6		299231	0.0000
CP372741	OUT	2	NONE	299231	-3. 0.0000
CP372744	OUT	2	NONE	NONE	-3. 0.0000
CP372743	OUT	2	NONE	NONE	-3. 0.0000
CP372742	OUT	2	NONE	NONE	-3. 0.0000
CP372831	CON100	6		299231	0.0000
CP372751	CON100	2	NONE	NONE	-3. 0.0000
CP372901	372931	6		NONE	0.0000
CP372931	CON100	6		299231	0.0000
CP37294E	OUT	2	NONE	NONE	-3. 0.0000
CP372941	OUT	2	NONE	NONE	-3. 0.0000
CP372942	OUT	2	NONE	NONE	-3. 0.0000
CP37294B	OUT	2	NONE	NONE	-3. 0.0000

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CP37294C	OUT	2	NONE	NONE	-3.	0.0000
CP37294D	OUT	2	NONE	NONE	-3.	0.0000
CP37294A	OUT	2	NONE	NONE	-3.	0.0000
CP372940	OUT	2	NONE	NONE	-3.	0.0000
CP372949	OUT	2	NONE	NONE	-3.	0.0000
CP372948	OUT	2	NONE	NONE	-3.	0.0000
CP372947	OUT	2	NONE	NONE	-3.	0.0000
CP372946	OUT	2	NONE	NONE	-3.	0.0000
CP372943	OUT	2	NONE	NONE	-3.	0.0000
CP372945	OUT	2	NONE	NONE	-3.	0.0000
CP372944	OUT	2	NONE	NONE	-3.	0.0000
CPCON101	427901	6		NONE		0.0000
CP427901	427902	6		NONE		0.0000
CP427903	427931	6		NONE		0.0000
CP427931	427901	6		299231		0.0000
CP427951	427902	2	NONE	NONE	-3.	0.0000
CP427902	CON107	6		NONE		0.0050
CPW12511	373101	6		NONE		0.0000
CP373002	373032	6		NONE		0.0000
CP373032	373001	6		NONE		0.0000
CP373001	373031	6		NONE		0.0000
CP373031	373101	6		299231		0.0000
CP373101	W12491	6		NONE		0.0000
CP373231	W12491	6		299231		0.0000
CPW12501	373504	6		NONE		0.0000
CP373504	373503	6		NONE		0.0000
CP373503	373502	6		NONE		0.0000
CP373502	373501	6		NONE		0.0000
CP373501	373601	6		NONE		0.0000
CP373601	373701	6		NONE		0.0000
CP373701	SGGE55	6		NONE		0.0000
CP373701	W12502	1		NONE	-3.	0.0000
CP373701	CON105	6		NONE		0.0000
CPW12491	W12481	6		NONE		0.0000
CPW12481	516201	6		NONE		0.0000
CP516201	516202	6		NONE		0.0000
CPW12492	NGGE54	6		NONE		0.0000
CP516231	W12492	6		NONE		0.0000
CP516251	NGGE54	2	NONE	NONE	-3.	0.0000
CP373331	373331	1		NONE	-3.	0.0000
CP516202	516231	6		NONE		0.0000
CP373331	373332	6		299231		0.0000
CP373332	CON103	6		299231		0.0000
CP391301	391331	6		NONE		0.0000
CP391331	373403	6		299231		0.0000
CP373403	373433	6		NONE		0.0000
CP373433	373402	6		NONE		0.0000
CP373402	373432	6		NONE		0.0000
CP373432	373401	6		NONE		0.0000
CP373401	373431	6		NONE		0.0000
CP373431	CON103	6		299231		0.0000
CPCON103	CON105	6		NONE		0.0010
CPCON105	373831	6		NONE		0.0000
CP373831	GAGE56	6		299231		0.0000
CP104893	GAGE56	2	NONE	NONE	-3.	0.0000
CP373901	373901	1		NONE	-3.	0.0000
CP373901	374001	6		NONE		0.0010
CP373951	374001	2	NONE	NONE	-3.	0.0000
CP374001	374101	6		NONE		0.0000
CP374101	374221	6		NONE		0.0000
CP374221	374211	6		NONE		0.0000
CP374211	CON106	6		NONE		0.0000
CPCON106	374402	6		NONE		0.0000
CP553332	553301	6		NONE		0.0000
CP553341	OUT	2	NONE	299231	-3.	0.0000
CP553351	553301	2	NONE	NONE	-3.	0.0000
CP553301	553331	6		NONE		0.0000
CP553331	374304	6		299231		0.0000
CP374304	374303	6		NONE		0.0000
CP374303	374302	6		NONE		0.0000
CP374302	374301	6		NONE		0.0000
CP374301	374202	6		NONE		0.0000
CP374202	374201	6		NONE		0.0000
CP104891	374202	2	NONE	NONE	-3.	0.0000
CP374201	CON106	6		NONE		0.0000
CP374402	374503	6		NONE		0.0000
CP374503	374502	6		NONE		0.0000
CP374502	374401	6		NONE		0.0000
CP374401	374501	6		NONE		0.0000
CP374501	374601	6		NONE		0.0010
CP104892	374601	2	NONE	NONE	-3.	0.0000
CP374601	374701	6		NONE		0.0010
CP374701	P40911	6		NONE		0.0000
CPP40911	4091P1	6		NONE		0.0000

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CP4091P1	374801	6	NONE	0.0010		
CP374801	WL2482	6	NONE	0.0010		
CPW12482	WL2141	6	NONE	0.0020		
CP516301	516302	6	NONE	0.0000		
CP516302	516331	6	NONE	0.0000		
CP516331	GALA57	6	NONE	0.0010		
CPW12471	WL2141	6	NONE	0.0000		
CPW12472	GALA57	6	NONE	0.0000		
CPW12141	516301	6	NONE	0.0000		
CP516351	GALA57	2	NONE	NONE	-3.	0.0000
CPGALA57	374905	1	NONE	NONE	-3.	0.0050
CP374905	374904	6	NONE	NONE	0.0000	
CP374904	374903	6	NONE	NONE	0.0000	
CP374903	374902	6	NONE	NONE	0.0000	
CP374902	374901	6	NONE	NONE	0.0000	
CP374901	375005	6	NONE	NONE	0.0000	
CP375005	375004	6	NONE	NONE	0.0000	
CP375004	375003	6	NONE	NONE	0.0000	
CP375003	375002	6	NONE	NONE	0.0000	
CP375002	375001	6	NONE	NONE	0.0000	
CP375001	WL2442	6	NONE	NONE	0.0000	
CPW12442	CON102	6	NONE	NONE	0.0000	
CP126441	WL2441	2	NONE	NONE	-3.	0.0000
CP400751	400702	2	NONE	NONE	-3.	0.0000
CP123081	400702	2	NONE	NONE	-3.	0.0000
CP400702	400703	6	NONE	NONE	0.0000	
CP400703	WL2441	6	NONE	NONE	0.0000	
CPW12441	375101	6	NONE	NONE	0.0000	
CP397131	511831	6	299231	0.0000		
CP511831	375101	6	299231	0.0000		
CP102641	375101	2	NONE	NONE	-3.	0.0000
CP417131	375101	6	299231	0.0000		
CP114591	375101	2	NONE	NONE	-3.	0.0000
CP375101	416621	6	NONE	NONE	0.0000	
CP102642	416621	2	NONE	NONE	-3.	0.0000
CP416621	416611	6	NONE	NONE	0.0000	
CP416611	CON102	6	NONE	NONE	0.0000	
CP375332	375301	6	NONE	NONE	0.0000	
CP375351	375301	2	NONE	NONE	-3.	0.0000
CP375301	375331	6	NONE	NONE	0.0000	
CP375331	CON102	6	299231	0.0000		
CP518831	375231	6	299231	0.0000		
CP375231	CON102	6	299231	0.0000		
CP375401	375431	6	NONE	NONE	0.0000	
CP102991	CON102	2	NONE	NONE	-3.	0.0000
CP375431	CON102	6	299231	0.0000		
CP375601	375503	6	NONE	NONE	0.0000	
CP375505	375532	6	NONE	NONE	0.0000	
CP375532	375503	6	NONE	NONE	0.0000	
CP375503	375506	6	NONE	NONE	0.0000	
CP375506	375533	6	NONE	NONE	0.0000	
CP375533	375701	6	299231	0.0000		
CP375701	375731	6	299231	0.0000		
CP375731	CON102	6	299231	0.0000		
CP375504	375531	6	NONE	NONE	0.0000	
CP375531	375502	6	299231	0.0000		
CP375502	375501	6	NONE	NONE	0.0000	
CP375501	CON102	6	NONE	NONE	0.0000	
CPCON102	WL2142	6	NONE	NONE	0.0020	
CPCON107	375801	6	NONE	NONE	0.0000	
CPW12142	CON107	6	NONE	NONE	0.0000	
CP375801	P42121	6	NONE	NONE	0.0020	
CP421251	P42121	2	NONE	NONE	-3.	0.0000
CPP42121	375901	6	NONE	NONE	0.0010	
CP421252	375901	2	NONE	NONE	-3.	0.0000
CP375901	P37611	6	NONE	NONE	0.0010	
CPP37611	376102	6	NONE	NONE	0.0010	
CP376102	376001	6	NONE	NONE	0.0010	
CP376001	376101	6	NONE	NONE	0.0000	
CP376101	376131	6	NONE	NONE	0.0000	
CP376131	CON108	6	375931	0.0010		
CP100041	CON108	2	NONE	NONE	-3.	0.0000
CP375941	OUT	2	NONE	375931	-3.	0.0000
CP375903	375932	6	NONE	NONE	0.0000	
CP375932	375902	6	NONE	NONE	0.0000	
CP375902	375931	6	NONE	NONE	0.0000	
CP375931	CON108	6	NONE	NONE	0.0000	
CP376231	CON108	6	375931	0.0000		
CPCON108	LRCA58	6	NONE	NONE	0.0000	
** Little River at Cameron						
**CPLRCA58	376301	1	NONE	NONE	-3.	0.0020
CPLRCA58	CASUBS	1	NONE	NONE	-3.	
CPCASUBS	CA-DRY	2	LRCA58	NONE	-3.	
CPCA-DRY	CA-AVG	2	LRCA58	NONE	-3.	

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CPCA-AVG	CA-WET	2	LRCA58	NONE	-3.	
CPCA-WET	CADPUL	2	LRCA58	NONE	-3.	
CPCADPUL	CAASPL	2	LRCA58	NONE	-3.	
CPCAASPL	CAWSPL	2	LRCA58	NONE	-3.	
CPCAWSPL	LRCOA	2	LRCA58	NONE	-3.	
**						
CP LRCAA	LRCAB	2	LRCA58	NONE	-3.	0.0000
CP LRCAB	LRCAC	2	LRCA58	NONE	-3.	0.0000
CP LRCAC	LRCAD	2	LRCA58	NONE	-3.	0.0000
CP LRCAD	376301	2	LRCA58	NONE	-3.	0.0020
**						
CP376301	376402	6		NONE		0.0010
CP376402	376401	6		NONE		0.0000
CP376401	376504	6		NONE		0.0000
CP376504	376503	6		NONE		0.0010
CP376503	376502	6		NONE		0.0000
CP376502	376501	6		NONE		0.0010
CP376501	376601	6		NONE		0.0000
CP376601	CON109	6		NONE		0.0010
CP522631	CON109	6		228731		0.0000
CP293851	554801	2	NONE	NONE	-3.	0.0000
CP104702	554801	2	NONE	NONE	-3.	0.0000
CP554801	CON109	6		NONE		0.0000
CP376801	376831	6		375931		0.0000
CP376831	CON109	6		375931		0.0000
CP376841	OUT	2	NONE	375931	-3.	0.0000
CP376742	OUT	2	NONE	NONE	-3.	0.0000
CP376741	OUT	2	NONE	299231	-3.	0.0000
CP376701	376731	6		NONE		0.0000
CP376731	522731	6		NONE		0.0000
CP376702	376703	6		NONE		0.0000
CP376732	376705	6		NONE		0.0000
CP376705	376735	6		NONE		0.0000
CP376735	376703	6		NONE		0.0000
CP376704	376734	6		NONE		0.0000
CP376734	376703	6		NONE		0.0000
CP376703	376733	6		NONE		0.0000
CP376733	CON109	6		299231		0.0000
CP522731	CON109	6		299231		0.0000
CPCON109	376602	6		NONE		0.0000
CP376602	376603	6		NONE		0.0000
CP376603	376604	6		NONE		0.0010
CP376604	376605	6		NONE		0.0000
CP376605	376901	6		NONE		0.0010
CP376901	507721	6		NONE		0.0000
CP507721	507711	6		NONE		0.0010
CP507711	377002	6		NONE		0.0020
CP377002	377001	6		NONE		0.0010
CP376641	OUT	2	NONE	375931	-3.	0.0000
CP377001	377102	6		NONE		0.0010
CP377103	377102	6		NONE		0.0000
CP377102	377101	6		NONE		0.0010
CP377101	377201	6		NONE		0.0000
CP377201	377307	6		NONE		0.0000
CP377307	377202	6		NONE		0.0000
CP377202	377306	6		NONE		0.0000
CP377306	377305	6		NONE		0.0010
CP377305	377203	6		NONE		0.0000
CP377203	377401	6		NONE		0.0000
CP377401	377303	6		NONE		0.0010
CP377304	377332	6		NONE		0.0000
CP377332	377303	6		375931		0.0000
CP377303	377503	6		NONE		0.0000
CP377503	377302	6		NONE		0.0000
CP377302	377502	6		NONE		0.0000
CP436902	436932	6		NONE		0.0000
CP436932	CON111	6		NONE		0.0000
CP436901	436931	6		NONE		0.0000
CP436931	436902	6		375931		0.0000
CP433901	434001	6		NONE		0.0010
CP434001	434031	6		NONE		0.0000
CP434031	BRWA41	6		228731		0.0010
CP509451	BRWA41	2	NONE	NONE	-3.	0.0000
** Brazos River near Waco						
**CPBRWA41	CON216	1		NONE	-3.	0.0000
CPBRWA41	WASUBS	1		NONE	-3.	
CPWASUBS	WA-DRY	2	BRWA41	NONE	-3.	
CPWA-DRY	WA-AVG	2	BRWA41	NONE	-3.	
CPWA-AVG	WA-WET	2	BRWA41	NONE	-3.	
CPWA-WET	WADPUL	2	BRWA41	NONE	-3.	
CPWADPUL	WAASPL	2	BRWA41	NONE	-3.	
CPWAASPL	WAWSPL	2	BRWA41	NONE	-3.	
CPWAWSPL	CON216	2	BRWA41	NONE	-3.	
**						

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CP508541	OUT	2	NONE	228731	-3.	0.0000
CPCON216	508501	6		NONE		0.0000
CP508501	434402	6		NONE		0.0000
CP508551	434402	2	NONE	NONE	-3.	0.0000
CP508552	434402	2	NONE	NONE	-3.	0.0000
CP110711	434402	2	NONE	NONE	-3.	0.0000
CP434402	CON112	6		NONE		0.0000
CP500001	500031	6		NONE		0.0000
CP500031	434202	6		406331		0.0000
CP012671	434202	2	NONE	NONE	-3.	0.0000
CP434202	434231	6		NONE		0.0000
CP434231	434421	6				0.0000
CP434331	434332	6		228731		0.0000
CP434332	434421	6		NONE		0.0000
CP434421	434411	6		NONE		0.0000
CP434411	CON112	6		NONE		0.0000
CPCON112	434201	6		NONE		0.0000
CP434201	434401	6		NONE		0.0000
CP434401	393603	6		NONE		0.0010
CP393603	393602	6		NONE		0.0000
CP393602	393601	6		NONE		0.0010
CP393601	CON217	6		NONE		0.0000
CP009541	434502	2	NONE	NONE	-3.	0.0000
CP009543	434502	2	NONE	NONE	-3.	0.0000
CP434502	434531	6		NONE		0.0000
CP434531	CON217	6				0.0000
CPCON217	434501	6		NONE		0.0000
** FNI change Waco reuse permit						
**CP434501	P40421	6		NONE		0.0020
CP434501	584001	6		NONE		0.0009
CP584001	P40421	6		NONE		0.0011
**						
CPP40421	P40891	6		NONE		0.0000
CPP40891	404202	6		NONE		0.0000
CP404202	P40892	6		NONE		0.0000
CPP40892	434602	6		NONE		0.0010
CP434602	434601	6		NONE		0.0000
CP434601	401421	6		NONE		0.0000
CP401421	556321	6		NONE		0.0000
CP556321	556311	6		NONE		0.0000
CP556311	559201	6		NONE		0.0000
CP559201	401321	6		NONE		0.0010
CP401321	401311	6		NONE		0.0000
CP401311	401411	6		NONE		0.0000
CP401411	CON113	6		NONE		0.0000
CP434701	434731	6		NONE		0.0000
CP434731	CON113	6		228731		0.0000
CP434801	434831	6		NONE		0.0000
CP434831	CON113	6		228731		0.0000
CP434903	434933	6		NONE		0.0000
CP434933	CON113	6		228731		0.0000
CP434902	434932	6		NONE		0.0000
CP434932	CON113	6		228731		0.0000
CP434901	434931	6		NONE		0.0000
CP434931	CON113	6		228731		0.0000
CP435001	435031	6		NONE		0.0000
CP435031	CON113	6		228731		0.0000
CP435101	435131	6		NONE		0.0000
CP435131	CON113	6		228731		0.0000
CP435201	435231	6		NONE		0.0000
CP435231	CON113	6		228731		0.0000
CP435301	435331	6		NONE		0.0000
CP435331	435401	6		228731		0.0000
CP435401	435431	6		NONE		0.0000
CP435431	CON113	6		228731		0.0000
CPCON113	401322	6		NONE		0.0000
CP401322	401312	6		NONE		0.0000
CP401312	435501	6		NONE		0.0000
CP435501	424601	6		NONE		0.0000
CP424601	P41081	6		NONE		0.0010
CP435631	P41081	6		406331		0.0000
CPP41081	P41082	6		NONE		0.0000
CP101102	P41082	2	NONE	NONE	-3.	0.0000
CPP41082	CON114	6		NONE		0.0010
CP435601	CON114	6		NONE		0.0000
CPCON114	CON115	6		NONE		0.0010
CP435731	CON115	6		406331		0.0000
CPCON115	CON116	6		NONE		0.0000
CP435553	P40781	2	NONE	NONE	-3.	0.0000
CP435503	435533	6		NONE		0.0000
CP435533	P40781	6				0.0000
CPW12424	435532	6		NONE		0.0000
CP435532	W12423	6		406331		0.0000
CP435552	435502	2	NONE	NONE	-3.	0.0000

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CP435554	W12423	2	NONE	NONE	-3.	0.0000
CPW12423	435502	6		NONE		0.0000
CP435502	P40781	6		NONE		0.0000
CP435531	P40781	6		406331		0.0000
CP435551	P40781	2	NONE	NONE	-3.	0.0000
CPCON116	435801	6		NONE		0.0000
CP435801	435802	6		NONE		0.0000
CP435851	435802	2	NONE	NONE	-3.	0.0000
CP435802	P40631	6		NONE		0.0000
CPP40631	CON218	6		NONE		0.0000
CPCON218	BRHB42	6		NONE		0.0010
CP406331	406302	6				0.0000
CP406302	BRHB42	6		NONE		0.0000
**CPBRHB42	435902	1		NONE	-3.	0.0000
** SysOp Change:						
** CP Records add/changed for BRA SOP Consensus Method IF, Highbank						
CPBRHB42	BRHBA	1		NONE	-3.	0.0000
CP BRHBA	BRHBB	2	BRHB42	NONE	-3.	0.0000
CP BRHBB	BRHBC	2	BRHB42	NONE	-3.	0.0000
CP BRHBC	BRHBD	2	BRHB42	NONE	-3.	0.0000
CP BRHBD	435902	2	BRHB42	NONE	-3.	0.0000
**						
CP435902	435901	6		NONE		0.0000
CP435901	407521	6		NONE		0.0010
CP407521	407511	6		NONE		0.0000
CP407511	P40761	6		NONE		0.0000
CPP40761	P40781	6		NONE		0.0000
CP407651	P40781	2	NONE	NONE	-3.	0.0000
CPP40781	407802	6		NONE		0.0000
CP407802	CON117	6		NONE		0.0000
CP436051	436002	2	NONE	NONE	-3.	0.0000
CP436002	436031	6		NONE		0.0000
CP436031	436001	6		228731		0.0000
CP436001	CON117	6		228731		0.0000
CP436052	CON117	2	NONE	NONE	-3.	0.0000
CPCON117	407803	6		NONE		0.0000
CP407803	P40231	6		NONE		0.0020
CP407851	P40231	2	NONE	NONE	-3.	0.0000
CPP40231	436101	6		NONE		0.0000
CP436101	436201	6		NONE		0.0000
CP436201	436302	6		NONE		0.0000
CP436302	436301	6		NONE		0.0000
CP436301	436404	6		NONE		0.0000
CP436404	436403	6		NONE		0.0000
CP436403	436402	6		NONE		0.0000
CP436402	436401	6		NONE		0.0000
CP436401	436501	6		NONE		0.0000
CP436501	436601	6		NONE		0.0000
CP436601	436702	6		NONE		0.0000
CP436702	436701	6		NONE		0.0000
CP436701	547001	6		NONE		0.0000
CP436441	OUT	2	NONE	375931	-3.	0.0000
CP547001	CON111	6		NONE		0.0010
CPCON111	W12132	6		NONE		0.0000
CPW12132	P41451	6		NONE		0.0010
CPP41451	436802	6		NONE		0.0000
CP436802	436801	6		NONE		0.0000
CP414551	436801	2	NONE	NONE	-3.	0.0000
CP436801	CON118	6		NONE		0.0020
CPCON118	P40801	6		NONE		0.0020
CPP40801	P40802	6		NONE		0.0000
CPP40802	P40803	6		NONE		0.0000
CPP40803	408004	6		NONE		0.0000
CP408004	437001	6		NONE		0.0010
CP408051	437001	2	NONE	NONE	-3.	0.0000
CP437001	437002	6		NONE		0.0000
CP437002	437102	6		NONE		0.0000
CP437003	437031	6		NONE		0.0000
CP437031	437004	6		375931		0.0000
CP437004	437032	6		NONE		0.0000
CP437032	437102	6		NONE		0.0000
CP437102	437101	6		NONE		0.0000
CP437101	437201	6		NONE		0.0000
CP437201	CON119	6		NONE		0.0020
CP437332	437331	6		375931		0.0000
CP437331	CON119	6		375931		0.0000
CP437431	CON119	6		375931		0.0000
CPCON119	CON120	6		NONE		0.0010
CP437202	437231	6		NONE		0.0000
CP437231	CON120	6		375931		0.0000
CPCON120	P53491	6		NONE		0.0000
CPP53491	CON121	6		NONE		0.0000
CP028813	436304	2	NONE	NONE	-3.	0.0000
CP511731	5326P1	6		406331		0.0000

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CP5326P1	436304	6	NONE	0.0000
CP5326P2	436304	6	NONE	0.0000
CP511732	436304	6	NONE	0.0000
CP028818	436304	2	NONE NONE	-3. 0.0000
CP028815	436304	2	NONE NONE	-3. 0.0000
CP02881B	436304	2	NONE NONE	-3. 0.0000
CP02881A	436304	2	NONE NONE	-3. 0.0000
CP548231	436304	6	406331	0.0000
CP028817	436304	2	NONE NONE	-3. 0.0000
CP028814	436304	2	NONE NONE	-3. 0.0000
CP028810	436304	2	NONE NONE	-3. 0.0000
CP028811	436304	2	NONE NONE	-3. 0.0000
CP514832	437501	6	NONE	0.0000
CP028772	437501	2	NONE NONE	-3. 0.0000
CP437501	436304	6	NONE	0.0000
CP437503	437532	6	NONE	0.0000
CP437532	437502	6	NONE	0.0000
CP437502	437531	6	NONE	0.0000
CP437531	436304	6	406331	0.0000
CP514833	436304	6	NONE	0.0000
CP510631	436304	6	406331	0.0000
CP028812	436304	2	NONE NONE	-3. 0.0000
CP028819	436304	2	NONE NONE	-3. 0.0000
CP514831	436304	6	406331	0.0000
CP436304	436305	6	NONE	0.0000
CP436305	436303	6	NONE	0.0000
CP436303	436406	6	NONE	0.0000
CP436406	436405	6	NONE	0.0000
CP436405	CON121	6	NONE	0.0000
CP437601	CON121	6	NONE	0.0000
CP437733	437701	6	NONE	0.0000
CP437701	437732	6	NONE	0.0000
CP437732	437731	6	375931	0.0000
CP437731	CON121	6	NONE	0.0000
CP100462	CON121	2	NONE NONE	-3. 0.0000
CP437831	CON121	6	375931	0.0000
CPCON121	BRBR59	6	NONE	0.0010
** Brazos River near Bryan				
**CPBRBR59	CON122	1	NONE	-3. 0.0020
CPBRBR59	BRSUBS	1	NONE	-3.
CPBRSUBS	BR-DRY	2	BRBR59 NONE	-3.
CPBR-DRY	BR-AVG	2	BRBR59 NONE	-3.
CPBR-AVG	BR-WET	2	BRBR59 NONE	-3.
CPBR-WET	BRDPUL	2	BRBR59 NONE	-3.
CPBRDPUL	BRASPL	2	BRBR59 NONE	-3.
CPBRASPL	BRWSPL	2	BRBR59 NONE	-3.
CPBRWSPL	CON122	2	BRBR59 NONE	-3. 0.0020
**				
CP021173	CON122	2	NONE NONE	-3. 0.0000
CP526801	526831	6	NONE	0.0000
CP526831	CON122	6		0.0000
CP526851	CON122	2	NONE NONE	-3. 0.0000
CP104262	526901	2	NONE NONE	-3. 0.0000
CP526901	526902	6	NONE	0.0000
CP526902	CON122	6	NONE	0.0000
CP038211	CON122	2	NONE NONE	-3. 0.0000
CP527031	CON122	6	375931	0.0000
CPCON122	527101	6	NONE	0.0010
CP527101	P41281	6	375931	0.0010
CPP41281	560302	6	NONE	0.0040
CP025851	560302	2	NONE NONE	-3. 0.0000
CP109681	560302	2	NONE NONE	-3. 0.0000
CP560302	P40171	6	NONE	0.0020
CPP40171	401702	6	NONE	0.0010
CP401702	528511	6	NONE	0.0000
CP528511	528522	6	NONE	0.0000
CP528522	401622	6	NONE	0.0000
CP401622	CON130	6	NONE	0.0010
CP527131	527102	6	375931	0.0000
CP527102	560301	6	375931	0.0000
**CP560301	CON130	6	NONE	0.0000
** ADD NEW CP FOR P5752				
CP560301	575203	6	NONE	0.0000
CP575203	CON130	6	401041	0.0000
**				
CP003953	CON227	2	NONE NONE	-3. 0.0000
CP003951	003952	2	NONE NONE	-3. 0.0000
CP003952	527201	2	NONE NONE	-3. 0.0000
CP527201	527231	6	NONE	0.0000
CP527231	527301	6		0.0000
CP527301	527331	6	NONE	
CP527331	554031	6	299231	
**CP554031	CON225	6	299231	0.0000
CP554031	554032	6	299231	0.0000

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CP554032	CON225	6			0.0000
**					
CP375851	CON226	2	NONE	NONE	-3. 0.0000
CPCON226	580332	6		NONE	0.0000
CP580331	580332	6		299231	0.0000
CP580332	CON225	6		299231	0.0000
**					
CPCON225	CON224	6		NONE	0.0000
CP003956	CON224	2	NONE	NONE	-3. 0.0000
**CP554032	CON224	6			0.0000
CP003954	CON224	2	NONE	NONE	-3. 0.0000
CP003955	CON224	2	NONE	NONE	-3. 0.0000
CP003957	CON224	2	NONE	NONE	-3. 0.0000
CP527401	527431	6		NONE	0.0000
CP527431	CON224	6		375931	0.0000
CPCON224	EYDB61	6		NONE	0.0000
CPEYDB61	CON124	1		NONE	-3. 0.0070
CP00395A	MYDB60	2	NONE	NONE	-3. 0.0000
CP003958	MYDB60	2	NONE	NONE	-3. 0.0000
CPMYDB60	CON124	1		NONE	-3. 0.0100
**CPCON124	W12121	6		NONE	0.0030
** NOTE:	W12121 NEEDS TO BE ADDED IN AFTER THE STREAM EDITS ARE PROCESSED				
**CPW12121	CON125	6		NONE	0.0010
**					
CP565801	CON125	6		375931	0.0000
CP565837	CON125	6		375931	0.0000
CP565833	CON125	6		375931	0.0000
CP565836	CON124	6		375931	0.0000
CP565834	CON124	6		375931	0.0000
CPCON124	565801	6		NONE	0.0030
**					
CP527542	OUT	2	NONE	NONE	-3. 0.0000
CP527541	OUT	2	NONE	375931	-3. 0.0000
CP527502	527532	6		NONE	0.0000
CP527532	527501	6		NONE	0.0000
CP527501	527531	6		NONE	0.0000
CP527531	CON125	6		375931	0.0000
CPCON125	CON126	6		NONE	0.0020
CP527601	527631	6		NONE	0.0000
CP527631	CON126	6		375931	0.0000
CP527733	527732	6		375931	0.0000
CP527732	527731	6		375931	0.0000
CP527731	527701	6		375931	0.0000
CP527701	CON126	6		NONE	0.0000
CP527831	CON126	6		375931	0.0000
CPCON126	CON227	6		NONE	0.0010
CP527932	CON227	6		375931	0.0000
CP527931	CON227	6		375931	0.0000
CPCON227	CON128	6		NONE	0.0020
CP527933	CON128	6		375931	0.0000
CPCON128	CON228	6		NONE	0.0030
CP528001	CON228	6		NONE	0.0000
CP528051	CON228	2	NONE	NONE	-3. 0.0000
CP528041	OUT	2	NONE	375931	-3. 0.0000
CPCON228	W12111	6		NONE	0.0010
CPW12111	516402	6		NONE	0.0000
CP516402	516431	6		NONE	0.0000
CP516431	516401	6			0.0000
CP516401	W12122	6		NONE	0.0000
CPW12122	YCSO62	6		NONE	0.0010
CP516451	YCSO62	2	NONE	NONE	-3. 0.0000
**CPYCSO62	CON123	1		NONE	-3. 0.0030
** SysOp change - added control points for consensus method					
CPYCSO62	YCSOA	1		NONE	-3. 0.0000
CP YCSOA	YCSOB	2	YCSO62	NONE	-3. 0.0000
CP YCSOB	YCSOC	2	YCSO62	NONE	-3. 0.0000
CP YCSOC	YCSOD	2	YCSO62	NONE	-3. 0.0000
CP YCSOD	CON123	2	YCSO62	NONE	-3. 0.0030
**					
CP528131	CON223	6		375931	0.0000
CP528232	528231	6		NONE	0.0000
CP528231	CON223	6		375931	0.0000
CPCON223	P41401	6		NONE	0.0000
CPP41401	CON222	6		NONE	0.0000
CP414051	CON222	2	NONE	NONE	-3. 0.0000
CPCON222	CON221	6		NONE	0.0000
CP528332	CON221	6		375931	0.0000
CPCON221	CON220	6		NONE	0.0000
CP528331	CON220	6		375931	0.0000
CP528335	CON220	6		375931	0.0000
CP528336	CON220	6		375931	0.0000
CPCON220	CON219	6		NONE	0.0000
CP528333	CON219	6		375931	0.0000
CP528334	CON219	6		375931	0.0000

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CPCON219	DCLY63	6	NONE	0.0000
CPDCLY63	CON123	1	NONE	-3. 0.0060
CPCON123	CON129	6	NONE	0.0040
CP528431	528401	6	375931	0.0000
CP528401	CON129	6	NONE	0.0000
CPCON129	W12112	6	NONE	0.0030
CPW12101	W12102	6	NONE	0.0000
CPW12102	W12532	6	NONE	0.0000
CPW12532	528731	6	NONE	0.0000
CP528751	W12102	2	NONE	-3. 0.0000
CP528731	528701	6		0.0000
CP528701	528801	6	NONE	0.0000
CP528801	528831	6	NONE	0.0000
CP528831	NAGR64	6	406331	0.0000
CPNAGR64	528931	1	NONE	-3. 0.0000
CP528931	528901	6	406331	0.0000
CP528901	CON131	6	NONE	0.0020
CP529031	529001	6	406331	0.0000
CP529001	CON131	6	NONE	0.0000
CPCON131	W12531	6	NONE	0.0020
CPW12531	CON132	6	NONE	0.0030
CP529131	529101	6	406331	0.0000
CP529101	CON229	6	NONE	0.0000
CP529332	529331	6	406331	0.0000
CP529331	529201	6	406331	0.0000
CP529201	CON229	6	NONE	0.0000
CPCON229	CON250	6	NONE	0.0000
CP529431	CON250	6	406331	0.0000
CPCON250	W12522	6	NONE	0.0000
CPW12522	BGFR65	6	NONE	0.0000
CPBGFR65	CON132	1	NONE	-3. 0.0000
CP529531	CON132	6	406331	0.0000
CPCON132	CON230	6	NONE	0.0010
CP024302	CON230	2	NONE	-3. 0.0000
CP024301	CON230	2	NONE	-3. 0.0000
CP024305	CON230	2	NONE	-3. 0.0000
CP02653A	CON230	2	NONE	-3. 0.0000
CP026530	CON230	2	NONE	-3. 0.0000
CP026534	CON230	2	NONE	-3. 0.0000
CP026536	CON230	2	NONE	-3. 0.0000
CP026531	CON230	2	NONE	-3. 0.0000
CP531904	531938	6	NONE	0.0000
CP531938	531907	6	NONE	0.0000
CP531905	531939	6	NONE	0.0000
CP531939	531930	6	NONE	0.0000
CP531930	531907	6	NONE	0.0000
CP531907	53193C	6	NONE	0.0000
CP53193C	CON230	6	NONE	0.0000
CP5319P1	P53192	6	NONE	0.0000
CPP53192	531934	6	NONE	0.0000
CP531934	CON230	6	NONE	0.0000
CP5319P2	CON230	6	NONE	0.0000
CP53193D	CON230	6	NONE	0.0000
CPP53191	531933	6	NONE	0.0000
CP531933	531935	6	NONE	0.0000
CP531935	CON230	6	NONE	0.0000
CP531936	CON230	6	406331	0.0000
CPCON230	CON133	6	NONE	0.0010
CP026533	CON133	2	NONE	-3. 0.0000
CP531903	531937	6	NONE	0.0000
CP531937	CON133	6	406331	0.0000
CP5319PB	CON133	6	NONE	0.0000
CP531906	5319PA	6	NONE	0.0000
CP5319PA	CON133	6	NONE	0.0000
CPCON133	W12521	6	NONE	0.0000
CPW12092	516501	6	NONE	0.0000
CP516501	516531	6	406331	0.0000
** FNI change - for Limestone instream flow				
**CP516531	CON134	6		0.0040
CP516531	5165IF	6		0.0000
CP5165IF	CON134	6	NONE	0.0040
** end FNI change				
CPW12521	W12092	6	NONE	0.0000
CP026532	CON134	2	NONE	-3. 0.0000
CP531908	53193E	6	NONE	0.0000
CP53193E	CON134	6	NONE	0.0000
CP536731	CON134	6	406331	0.0000
CP529731	CON134	6	406331	0.0000
CP516032	CON134	6	NONE	0.0000
CPP51601	5160P1	6	NONE	0.0000
CP5160P1	NAEA66	6	406331	0.0000
CPCON134	NAEA66	6	NONE	0.0010
** Navasota River at Easterly				
**CPNAEA66	CON135	1	NONE	-3. 0.0020

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CPNAEA66	EASUBS	1	NONE	NONE	-3.	
CPEASUBS	EA-DRY	2	NAEA66	NONE	-3.	
CPEA-DRY	EA-AVG	2	NAEA66	NONE	-3.	
CPEA-AVG	EA-WET	2	NAEA66	NONE	-3.	
CPEA-WET	EADPUL	2	NAEA66	NONE	-3.	
CPEADPUL	EASPL	2	NAEA66	NONE	-3.	
CPEAASPL	EAWSPL	2	NAEA66	NONE	-3.	
CPEAWSPL	NAEAA	2	NAEA66	NONE	-3.	
**						
CPNAEAA	NAEAB	2	NAEA66	NONE	-3.	0.0000
CPNAEAB	NAEAC	2	NAEA66	NONE	-3.	0.0000
CPNAEAC	NAEAD	2	NAEA66	NONE	-3.	0.0000
CPNAEAD	CON135	2	NAEA66	NONE	-3.	0.0020
**						
CP019861	CON135	2	NONE	NONE	-3.	0.0000
CP529801	529831	6		NONE		0.0000
CP529831	CON135	6				0.0000
CPCON135	CON136	6		NONE		0.0010
CP529931	CON136	6		406331		0.0000
CP429601	429631	6		NONE		0.0000
CP429631	CON136	6		NONE		0.0000
CP429602	429632	6		NONE		0.0000
CP429632	CON136	6		NONE		0.0000
CP429603	429633	6		NONE		0.0000
CP429633	CON136	6		NONE		0.0000
CPCON136	CON137	6		NONE		0.0010
CP530031	530131	6		406331		0.0000
CP530131	CON137	6				0.0000
CPCON137	CON138	6		NONE		0.0020
CP530235	530231	6		NONE		0.0000
CP530231	530331	6		406331		0.0000
CP530234	530233	6		NONE		0.0000
CP530233	530232	6		NONE		0.0000
CP530232	530331	6		406331		0.0000
CP530331	CON138	6		406331		0.0000
CPCON138	NABR67	6		NONE		0.0040
CPNABR67	CON139	1		NONE	-3.	0.0030
CP530431	CON139	6		375931		0.0000
CPCON139	CON140	6		NONE		0.0040
CP530531	CON140	6		375931		0.0000
CPCON140	CON141	6		NONE		0.0030
CP530631	CON141	6		375931		0.0000
**Move control points of TMPA run-of-the-river diversion (530701) downstream of CON141						
**Change locates diversion on main stem of Navasota River						
**CPCON141	CON247	6		NONE		0.0030
CPCON141	530701	6		NONE		0.0014
**CP530701	530731	6		NONE		0.0000
**CP530731	CON247	6		375931		0.0000
CP530701	CON247	6		375931		0.0016
CPCON247	CON142	6		NONE		0.0010
CP530801	530831	6		NONE		0.0000
CP530831	P53291	6		375931		0.0000
CP013931	530931	2	NONE	NONE	-3.	0.0000
CP542201	530931	6		NONE		0.0000
CP542251	530931	2	NONE	NONE	-3.	0.0000
CP530931	P53291	6		375931		0.0000
CP104261	P53291	2	NONE	NONE	-3.	0.0000
CP535731	P53291	6		375931		0.0000
CP100241	P53291	2	NONE	NONE	-3.	0.0000
CP534532	534531	6		NONE		0.0000
CP534531	P53291	6		375931		0.0000
CP531031	P53291	6		375931		0.0000
CPP53291	CON142	6		NONE		0.0000
CP532951	532903	2	NONE	NONE	-3.	0.0000
CP532903	CON142	6		NONE		0.0000
CPCON142	CON143	6		NONE		0.0020
CP532952	532931	2	NONE	NONE	-3.	0.0000
CP532902	532931	6		NONE		0.0000
CP532931	CON143	6		375931		0.0000
CP538531	CON143	6		375931		0.0000
CP508133	CON143	6		375931		0.0000
CP508132	CON143	6		375931		0.0000
CP508131	CON143	6		375931		0.0000
CP100243	CON143	2	NONE	NONE	-3.	0.0000
CPCON143	557011	6		NONE		0.0010
CP513233	557011	6		375931		0.0000
CP024605	557011	2	NONE	NONE	-3.	0.0000
CP557011	CON144	6		NONE		0.0010
CP024604	513231	2	NONE	NONE	-3.	0.0000
CP513231	513232	6		375931		0.0000
CP513232	CON144	6		375931		0.0000
CPCON144	CON146	6		NONE		0.0000
CP531431	CON146	6		375931		0.0000
CPCON146	CON145	6		NONE		0.0000

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CP547301	547331	6		NONE		0.0000
CP547331	CON145	6		375931		0.0000
CP530751	CON145	2	NONE	NONE	-3.	0.0000
CP531101	531131	6		NONE		0.0000
CP531131	CON145	6				0.0000
CP531151	CON145	2	NONE	NONE	-3.	0.0000
CP021201	CON145	2	NONE	NONE	-3.	0.0000
CP531201	531231	6		NONE		0.0000
CP531231	CON145	6		375931		0.0000
CP024601	CON145	2	NONE	NONE	-3.	0.0000
CP545801	545831	6		NONE		0.0000
CP545831	CON145	6		375931		0.0000
CP505336	505334	6		375931		0.0000
CP505334	CON145	6		375931		0.0000
CP531331	CON145	6		375931		0.0000
CP024602	505332	2	NONE	NONE	-3.	0.0000
CP505331	505333	6		375931		0.0000
CP505333	505332	6		375931		0.0000
CP505335	505332	6		375931		0.0000
CP505332	CON145	6		375931		0.0000
CP535402	535432	6		NONE		0.0000
CP535432	CON145	6		NONE		0.0000
CP024608	CON145	2	NONE	NONE	-3.	0.0000
CPP53541	535431	6		NONE		0.0000
CP535431	CON145	6		375931		0.0000
CP024603	CON145	2	NONE	NONE	-3.	0.0000
CP513201	CON145	6		NONE		0.0000
CPCON145	557021	6		NONE		0.0000
CP557021	556601	6		NONE		0.0060
CP556601	528623	6		NONE		0.0040
CP102311	528623	2	NONE	NONE	-3.	0.0000
CP556641	OUT	2	NONE	375931	-3.	0.0000
CP528623	CON231	6		NONE		0.0000
CPP40161	4016P1	6		NONE		0.0000
CP4016P1	CON231	6		NONE		0.0000
CPCON231	528613	6		NONE		0.0000
CP528613	CON147	6		NONE		0.0020
CPW12112	CON130	6		NONE		0.0000
CPCON130	401612	6		NONE		0.0000
CP401612	528521	6		NONE		0.0000
CP528521	528512	6		NONE		0.0000
CP528512	401121	6		NONE		0.0000
CP401121	401111	6		NONE		0.0000
CP401111	401621	6		NONE		0.0000
CP401621	401611	6		NONE		0.0010
CP401602	401632	6		NONE		0.0000
CP401611	CON232	6		NONE		0.0000
CP401632	401611	6		NONE		0.0000
CP401633	401611	6		NONE		0.0000
CP401603	401633	6		NONE		0.0000
CP423202	423203	6		NONE		0.0000
CP423203	423204	6		NONE		0.0000
CP423204	423231	6		NONE		0.0000
CPCON232	528621	6		NONE		0.0010
CP528621	528611	6		NONE		0.0000
CP528611	528622	6		NONE		0.0010
CP528622	528612	6		NONE		0.0000
CP528612	W12421	6		NONE		0.0010
CPCON147	W12021	6		NONE		0.0000
CPW12021	CON148	6		NONE		0.0010
CP529002	P52901	6		NONE		0.0000
CPP52901	CON148	6		375931		0.0000
CPCON148	529003	6		NONE		0.0010
CPW12421	CON147	6		NONE		0.0000
CP529041	OUT	2	NONE	375931	-3.	0.0000
CP529003	CON149	6		NONE		0.0070
CP531635	CON149	6		NONE		0.0000
CP531631	CON149	6		NONE		0.0000
CP531632	CON149	6		NONE		0.0000
CP531633	CON149	6		NONE		0.0000
CP531634	CON149	6		375931		0.0000
CP103881	CON149	2	NONE	NONE	-3.	0.0000
CP531531	529003	6				0.0000
CP561631	CON149	6		531531		0.0000
CP531731	CON150	6		375931		0.0000
CPCON149	BRHE68	6		NONE		0.0000

** Brazos River near Hempstead

**CPBRHE68	CON150	1		NONE	-3.	0.0050
CPBRHE68	HESUBS	1		NONE	-3.	
CPHESUBS	HE-DRY	2	BRHE68	NONE	-3.	
CPHE-DRY	HE-AVG	2	BRHE68	NONE	-3.	
CPHE-AVG	HE-WET	2	BRHE68	NONE	-3.	
CPHE-WET	HEDPUL	2	BRHE68	NONE	-3.	
CPHEDPUL	HEASPL	2	BRHE68	NONE	-3.	

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CPHEASPL	HEWSPL	2	BRHE68	NONE	-3.	
CPHEWSPL	CON150	2	BRHE68	NONE	-3.	0.0050
**						
CP531831	CON150	6		375931		0.0000
CP112751	CON150	2	NONE	NONE	-3.	0.0000
CPCON150	P40091	6		NONE		0.0010
CP400951	P40091	2	NONE	NONE	-3.	0.0000
**CPP40091	now flows into CP 566502					
**CPP40091	CON151	6		NONE		0.0060
CPP40091	566502	6		NONE		0.0000
**Application 5665, Paul Weinman (566502 and 566501) now lies between CP 400952 and CON151.						
**CP400952	CON151	2	NONE	NONE	-3.	0.0000
CP400952	566502	2	NONE	NONE	-3.	0.0000
CP103851	MCBL69	2	NONE	NONE	-3.	0.0000
CPMCL69	CON151	1		NONE	-3.	0.0030
CPCON151	428001	6		NONE		0.0000
CP428001	516604	6		NONE		0.0060
CP026651	516604	2	NONE	NONE	-3.	0.0000
CP026241	516604	2	NONE	NONE	-3.	0.0000
CP516604	292502	6		NONE		0.0000
CP292502	292504	6		NONE		0.0000
**CP292504	CON233	6		NONE		0.0000
CP292504	2925A	6		292531		0.0000
CP 2925A	2925B	6		NONE		0.0000
CP 2925B	2925C	6		NONE		0.0000
CP 2925C	2925D	6		NONE		0.0000
CP 2925D	CON233	6		NONE		0.0000
**						
CP292553	CON233	2	NONE	NONE	-3.	0.0000
CP102761	CON233	2	NONE	NONE	-3.	0.0000
CP292501	292531	6		NONE		0.0000
CP517102	516801	6		NONE		0.0000
CP516801	516701	6		401041		0.0000
CP517101	516603	6		NONE		0.0040
CP531931	531901	6		401041		0.0000
CP532341	OUT	2	NONE	401041	-3.	0.0000
CP532501	532502	6		NONE		0.0000
CP532502	532503	6		NONE		0.0000
CP532503	532504	6		NONE		0.0000
CP532504	532505	6		NONE		0.0000
CP536604	536631	6		NONE		0.0000
CP536631	532804	6		NONE		0.0000
CP536641	OUT	2	NONE	NONE	-3.	0.0000
CP536642	OUT	2	NONE	NONE	-3.	0.0000
CP536662	536641	2	NONE	NONE	-3.	0.0000
CP536663	536642	2	NONE	NONE	-3.	0.0000
CPCON233	292503	6		NONE		0.0010
CP292503	CON153	6		NONE		0.0010
**						
CP292551	CON233	2	NONE	NONE	-3.	0.0000
CP292552	CON233	2	NONE	NONE	-3.	0.0000
CP292531	CON233	6				0.0000
CP423201	423202	6		NONE		0.0000
CPCON153	CON234	6		NONE		0.0020
CP423231	CON153	6		401041		0.0000
CP531902	531931	6		NONE		0.0000
CP531901	531932	6		NONE		0.0000
CP531951	531901	2	NONE	NONE	-3.	0.0000
CP516802	516702	6		NONE		0.0000
CP531932	CON234	6		401041		0.0000
CPCON234	WL2451	6		NONE		0.0000
CPW12451	516802	6		NONE		0.0000
CP516702	517101	6		NONE		0.0000
CP024431	516603	2	NONE	NONE	-3.	0.0000
CP106073	516603	2	NONE	NONE	-3.	0.0000
CP516603	532001	6		NONE		0.0000
CP116551	BRR170	2	NONE	NONE	-3.	0.0000
CP102581	BRR170	2	NONE	NONE	-3.	0.0000
** CP Records Added/Changed for P2925						
CPBRR170	BRR17A	1		NONE	-3.	0.0000
CPBRR17A	BRR17B	2	BRR170	NONE	-3.	0.0000
CPBRR17B	BRR17C	2	BRR170	NONE	-3.	0.0000
CPBRR17C	BRR17D	2	BRR170	NONE	-3.	0.0000
**CPBRR17D	556721	2	BRR170	NONE	-3.	0.0010
** SysOp Change:						
** Add dummy control points to model the Consensus Method.						
CPBRR17D	BRR1A	2	BRR170	NONE	-3.	0.0000
**						
CP BRR1A	BRR1A1	2	BRR170	NONE	-3.	0.0000
**						
**CP BRR1A	BRR1B	2	BRR170	NONE	-3.	0.0000
CPBRR1A1	BRR1B	2	BRR170	NONE	-3.	0.0000
CP BRR1B	BRR1B1	2	BRR170	NONE	-3.	0.0000
CPBRR1B1	BRR1C	2	BRR170	NONE	-3.	0.0000

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CP BRRIC	BRRIC1	2	BRR170	NONE	-3.	0.0000
CPBRRIC1	BRRID	2	BRR170	NONE	-3.	0.0000
** Brazos River at Richmond						
**CP BRRID	556721	2	BRR170	NONE	-3.	0.0010
CP BRRID	RCSUBS	2	BRR170	NONE	-3.	
CPRCSUBS	RC-DRY	2	BRR170	NONE	-3.	
CPRC-DRY	RC-AVG	2	BRR170	NONE	-3.	
CPRC-AVG	RC-WET	2	BRR170	NONE	-3.	
CPRC-WET	RCDPUL	2	BRR170	NONE	-3.	
CPRCDPUL	RCASPL	2	BRR170	NONE	-3.	
CPRCASPL	RCWSPL	2	BRR170	NONE	-3.	
CPRCWSPL	556721	2	BRR170	NONE	-3.	0.0010
**						
CP532001	BRR170	6		NONE		0.0020
CP556741	OUT	2	NONE	NONE	-3.	0.0000
CP556721	556711	6		NONE		0.0000
CP556711	CON235	6		NONE		0.0000
CP556751	CON235	2	NONE	NONE	-3.	0.0000
CP136281	CON154	2	NONE	NONE	-3.	0.0000
CP517301	511001	6		NONE		0.0000
CP511001	511031	6		NONE		0.0000
CP511002	CON154	6		NONE		0.0000
CP511031	511002	6		401041		0.0000
CP511032	CON154	6		NONE		0.0000
CP128332	W12452	2	NONE	NONE	-3.	0.0000
CP113171	W12452	2	NONE	NONE	-3.	0.0000
CP138731	W12452	2	NONE	NONE	-3.	0.0000
CP519951	W12452	2	NONE	NONE	-3.	0.0000
CP128331	W12452	2	NONE	NONE	-3.	0.0000
CP519901	W12452	6		NONE		0.0000
CP141001	W12452	2	NONE	NONE	-3.	0.0000
CP555241	OUT	2	NONE	NONE	-3.	0.0000
CP555242	OUT	2	NONE	NONE	-3.	0.0000
CP555201	555221	6		NONE		0.0010
CP555251	555221	2	NONE	NONE	-3.	0.0000
CP555221	555211	6		NONE		0.0000
CP555211	CON237	6		NONE		0.0000
CPCON237	CON155	6		NONE		0.0000
CP516602	517102	6		NONE		0.0000
CPCON155	CON240	6		NONE		0.0010
CP516701	CON155	6		NONE		0.0000
CPCON240	516601	6		NONE		0.0000
CP516601	532201	6		NONE		0.0000
CP511551	532301	2	NONE	NONE	-3.	0.0000
CP532361	532341	2	NONE	NONE	-3.	0.0000
CP532301	CON157	6		NONE		0.0000
CP532201	532301	6		NONE		0.0020
CP560642	OUT	2	NONE	NONE	-3.	0.0000
CP560641	OUT	2	NONE	401041	-3.	0.0000
CP560602	560601	6		NONE		0.0000
CP560601	CON236	6		NONE		0.0000
CP106072	560601	2	NONE	NONE	-3.	0.0000
CP560651	CON236	2	NONE	NONE	-3.	0.0000
CPCON236	BGNE71	6		NONE		0.0000
CPBGNE71	532601	1		NONE	-3.	0.0070
CP532431	532601	6		401041		0.0000
CP010382	511501	2	NONE	NONE	-3.	0.0000
CP010384	511501	2	NONE	NONE	-3.	0.0000
CP010383	511501	2	NONE	NONE	-3.	0.0000
CP532051	532501	2	NONE	NONE	-3.	0.0000
CP010381	511501	2	NONE	NONE	-3.	0.0000
CP511501	532601	6		NONE		0.0000
CP532601	CON157	6		NONE		0.0020
CP532631	CON157	6		401041		0.0000
CP532632	CON157	6		NONE		0.0000
CP532633	CON157	6		NONE		0.0000
CP532645	OUT	2	NONE	NONE	-3.	0.0000
CP532644	OUT	2	NONE	NONE	-3.	0.0000
CP532647	OUT	2	NONE	NONE	-3.	0.0000
CP532642	OUT	2	NONE	NONE	-3.	0.0000
CP532643	OUT	2	NONE	NONE	-3.	0.0000
CP532641	OUT	2	NONE	NONE	-3.	0.0000
CP532646	OUT	2	NONE	NONE	-3.	0.0000
CPCON157	BRR072	6		NONE		0.0010
** FNI change - extend instream flows						
** Brazos River near Rosharon						
**CPBRR072	532701	1		NONE	-3.	0.0010
CPBRR072	ROSUBS	1		NONE	-3.	0.0010
CPROSUBS	RO-DRY	2	BRR072	NONE	-3.	
CPRO-DRY	RO-AVG	2	BRR072	NONE	-3.	
CPRO-AVG	RO-WET	2	BRR072	NONE	-3.	
CPRO-WET	RODPUL	2	BRR072	NONE	-3.	
CPRODPUL	ROASPL	2	BRR072	NONE	-3.	
CPROASPL	ROWSPL	2	BRR072	NONE	-3.	

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CPROWSPL	532701	2	BRRO72	NONE	-3.	0.0010
**						
CP000041	532701	2	NONE	NONE	-3.	0.0000
CP000042	532701	2	NONE	NONE	-3.	0.0000
CP000043	532701	2	NONE	NONE	-3.	0.0000
CP532701	532801	6		NONE		0.0030
CP549201	549231	6		NONE		0.0000
CP532801	536601	6		NONE		0.0000
CP536501	CON158	6		NONE		0.0010
CP536601	P41051	6		NONE		0.0020
CP41051	536501	6		NONE		0.0010
CP536531	CON158	6		401041		0.0000
CP410541	OUT	2	NONE	401041	-3.	0.0000
CP536542	OUT	2	NONE	NONE	-3.	0.0000
CP536541	OUT	2	NONE	401041	-3.	0.0000
CP532841	OUT	2	NONE		-3.	0.0000
CP549231	CON158	6				0.0000
CPCON158	532901	6		NONE		0.0020
CP103121	532901	2	NONE	NONE	-3.	0.0000
CP532901	533001	6		NONE		0.0000
CP533001	WL2012	6		NONE		0.0000
CPW12012	532802	6		NONE		0.0000
CP532941	OUT	2	NONE	401041	-3.	0.0000
CP533041	OUT	2	NONE	401041	-3.	0.0000
CP532802	536602	6		NONE		0.0000
CP532851	532804	2	NONE	NONE	-3.	0.0000
CP532842	OUT	2	NONE	NONE	-3.	0.0000
CP532862	OUT	2	NONE	NONE	-3.	0.0000
CP532863	OUT	2	NONE	NONE	-3.	0.0000
CP532854	532804	2	NONE	NONE	-3.	0.0000
CP532804	532831	6		NONE		0.0000
CP536651	532804	2	NONE	NONE	-3.	0.0000
CP536652	532804	2	NONE	NONE	-3.	0.0000
CP532852	532804	2	NONE	NONE	-3.	0.0000
CP536654	532804	2	NONE	NONE	-3.	0.0000
** FNI change - Bryan and College Station reuse						
**CPCON238	533201	6		NONE		0.0040
CPCON238	591201	6		NONE		0.0030
CP591201	533201	6		NONE		0.0010
**						
CP536602	CON238	6		NONE		0.0020
CP532831	CON238	6		401041		0.0000
CP100471	533201	2	NONE	NONE	-3.	0.0000
CP000074	533201	2	NONE	NONE	-3.	0.0000
CP000072	533201	2	NONE	NONE	-3.	0.0000
CP000073	533201	2	NONE	NONE	-3.	0.0000
CP000071	533201	2	NONE	NONE	-3.	0.0000
CP108821	533201	2	NONE	NONE	-3.	0.0000
CP018522	533201	2	NONE	NONE	-3.	0.0000
CP533201	WL2011	6		NONE		0.0010
CPW12011	BRGM73	6		NONE		0.0000
CPBRGM73	OUT	1		NONE	-3.	0.0000
CP532531	511501	6				0.0000
CP532505	532531	6		NONE		0.0000
CP517351	511501	2	NONE	NONE	-3.	0.0000
CP102582	511501	2	NONE	NONE	-3.	0.0000
CP133551	010384	2	NONE	NONE	-3.	0.0000
CP141401	511501	2	NONE	NONE	-3.	0.0000
CPW12091	CON147	6		NONE		0.0000
CPW12452	CON237	6		NONE		0.0000
CP030151	517031	2	NONE	NONE	-3.	0.0000
CP516852	517031	2	NONE	NONE	-3.	0.0000
CP516751	517031	2	NONE	NONE	-3.	0.0000
CP517031	516931	6		401041		0.0000
CP516931	517032	6		NONE		0.0000
CP517032	516932	6		NONE		0.0000
CP516932	517033	6		NONE		0.0000
CP517033	516933	6		NONE		0.0000
CP516933	517034	6		NONE		0.0000
CP517034	516934	6		NONE		0.0000
CP516934	004421	6		NONE		0.0000
CP517007	517035	6		NONE		0.0000
CP004421	018931	2	NONE	NONE	-3.	0.0000
CP018931	004422	2	NONE	NONE	-3.	0.0000
CP004422	517007	2	NONE	NONE	-3.	0.0000
CP517035	516935	6		NONE		0.0000
CP516935	517037	6		NONE		0.0000
CP517036	516936	6		NONE		0.0000
CP516936	517037	6		NONE		0.0000
CP517037	516937	6		401041		0.0000
CP516937	516901	6		NONE		0.0000
CP516901	533601	6		401041		0.0000
CP533501	533531	6		NONE		0.0000
CP533531	533601	6		401041		0.0000

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CP533601	533502	6	NONE	NONE	0.0000
CP533502	533532	6	NONE	NONE	0.0000
CP533641	OUT	2	NONE	NONE	-3. 0.0000
CP533642	OUT	2	NONE	401041	-3. 0.0000
CP533741	OUT	2	NONE	401041	-3. 0.0000
CP533532	110461	6	NONE	NONE	0.0000
CP5365P1	138041	6		401041	0.0000
CP516851	OUT	2	NONE	NONE	-3. 0.0000
CP516752	OUT	2	NONE	NONE	-3. 0.0000
CP119991	138041	2	NONE	NONE	-3. 0.0000
CP532251	OUT	2	NONE	NONE	-3. 0.0000
CP532241	OUT	2	NONE	401041	-3. 0.0000
CP138041	536653	2	NONE	NONE	-3. 0.0000
CP532861	OUT	2	NONE	NONE	-3. 0.0000
CP536661	OUT	2	NONE	NONE	-3. 0.0000
CP532853	533821	2	NONE	NONE	-3. 0.0000
CP536653	532853	2	NONE	NONE	-3. 0.0000
CP105481	533821	2	NONE	NONE	-3. 0.0000
CP533821	532803	6		NONE	0.0000
CP533841	OUT	2	NONE	401041	-3. 0.0000
CP537931	532803	6		401041	0.0000
CP532803	532832	6		NONE	0.0000
CP532832	536603	6		401041	0.0000
CP536603	536632	6		NONE	0.0000
CP536632	533811	6		NONE	0.0000
CP533811	100441	6		NONE	0.0000
CP100441	SJGMC4	2	NONE	NONE	-3. 0.0000
CP100861	110461	2	NONE	NONE	-3. 0.0000
CP110461	138041	2	NONE	NONE	-3. 0.0000
CP532242	OUT	2	NONE	401041	-3. 0.0000
CP420101	420153	6		NONE	0.0000
CP420153	420152	2	NONE	NONE	-3. 0.0000
CP420152	420102	2	NONE	NONE	-3. 0.0000
CP420102	420151	6		NONE	0.0000
CP420151	534401	2	NONE	NONE	-3. 0.0000
CP534401	P42211	6		NONE	0.0000
CP532243	OUT	2	NONE	401041	-3. 0.0000
CP534442	OUT	2	NONE	401041	-3. 0.0000
CP534441	OUT	2	NONE	NONE	-3. 0.0000
CP534445	OUT	2	NONE	NONE	-3. 0.0000
CP534444	OUT	2	NONE	NONE	-3. 0.0000
CP534443	OUT	2	NONE	NONE	-3. 0.0000
CPP42211	422131	6		NONE	0.0000
CP422131	422151	6		NONE	0.0000
CP422151	P40101	2	NONE	NONE	-3. 0.0000
CP422141	OUT	2	NONE	401041	-3. 0.0000
CP401041	OUT	2	NONE	NONE	-3. 0.0000
CP534541	OUT	2	NONE	401041	-3. 0.0000
CP534543	OUT	2	NONE	NONE	-3. 0.0000
CP534542	OUT	2	NONE	401041	-3. 0.0000
CP534544	OUT	2	NONE	NONE	-3. 0.0000
CPP40101	534501	6		NONE	0.0000
CP534501	525651	6		NONE	0.0000
CP525651	525601	2	NONE	NONE	-3. 0.0000
CP525642	OUT	2	NONE	401041	-3. 0.0000
CP525641	OUT	2	NONE	NONE	-3. 0.0000
CP525643	OUT	2	NONE	NONE	-3. 0.0000
CP525644	OUT	2	NONE	NONE	-3. 0.0000
CP031161	000011	2	NONE	NONE	-3. 0.0000
CP525601	534601	6		NONE	0.0000
CP534601	P42162	6		NONE	0.0000
CPP42162	525652	6		NONE	0.0000
CP421603	421651	6		NONE	0.0000
CP534701	534801	6		NONE	0.0000
CP534641	OUT	2	NONE	NONE	-3. 0.0000
CP525652	421603	2	NONE	NONE	-3. 0.0000
CP421651	534701	2	NONE	NONE	-3. 0.0000
CP421641	OUT	2	NONE	401041	-3. 0.0000
CP421642	OUT	2	NONE	NONE	-3. 0.0000
CP421643	OUT	2	NONE	NONE	-3. 0.0000
CPP42161	421631	6		NONE	0.0000
CP421631	421652	6		401041	0.0000
CP421652	534801	2	NONE	NONE	-3. 0.0000
CP421541	OUT	2	NONE	401041	-3. 0.0000
CP534801	P42151	6		NONE	0.0000
CPP42151	525653	6		NONE	0.0000
CP525653	421551	2	NONE	NONE	-3. 0.0000
CP421551	CON241	2	NONE	NONE	-3. 0.0000
CP506441	OUT	2	NONE	401041	-3. 0.0000
CP506442	OUT	2	NONE	NONE	-3. 0.0000
CP506443	OUT	2	NONE	NONE	-3. 0.0000
CP506444	OUT	2	NONE	NONE	-3. 0.0000
CP506404	506401	6		NONE	0.0000
CP506401	506402	6		NONE	0.0000

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CP506402	P41321	6	NONE		0.0000
CP506403	P41321	6	NONE		0.0000
CP413241	OUT	2	NONE	401041	-3. 0.0000
CPP41321	534603	6	NONE		0.0000
CP534644	OUT	2	NONE		-3. 0.0000
CP534943	OUT	2	NONE		-3. 0.0000
CP534941	OUT	2	NONE		-3. 0.0000
CP534942	OUT	2	NONE		-3. 0.0000
CP534603	534902	6	NONE		0.0000
CP534902	534903	6	NONE		0.0000
CP534903	534931	6	NONE		0.0000
CP534931	534901	6		401041	0.0000
CP534944	OUT	2	NONE	401041	-3. 0.0000
CP534643	OUT	2	NONE		-3. 0.0000
CP534642	OUT	2	NONE	401041	-3. 0.0000
CP534901	534602	6		NONE	0.0000
CP534602	534301	6		NONE	0.0000
CP534301	CON241	6		NONE	0.0000
CPCON241	535101	6		NONE	0.0000
CP502341	OUT	2	NONE	401041	-3. 0.0000
CP535142	OUT	2	NONE		-3. 0.0000
CP535141	OUT	2	NONE	401041	-3. 0.0000
CP535101	535201	6		NONE	0.0000
CP502301	535201	6		NONE	0.0000
CP502351	535201	2	NONE		-3. 0.0000
CP535201	CON243	6		NONE	0.0000
CP535247	OUT	2	NONE		-3. 0.0000
CP535246	OUT	2	NONE		-3. 0.0000
CP535242	OUT	2	NONE		-3. 0.0000
CP535241	OUT	2	NONE		-3. 0.0000
CP535245	OUT	2	NONE		-3. 0.0000
CP535243	OUT	2	NONE	401041	-3. 0.0000
CP535244	OUT	2	NONE	401041	-3. 0.0000
CP534341	OUT	2	NONE	401041	-3. 0.0000
CP534303	534302	6		NONE	0.0000
CP534302	534331	6		NONE	0.0000
CP534331	534304	6		401041	0.0000
CP534304	502302	6		NONE	0.0000
CP502302	502352	6		NONE	0.0000
CP502352	CON242	2	NONE		-3. 0.0000
CP502041	OUT	2	NONE	401041	-3. 0.0000
CP534241	OUT	2	NONE	401041	-3. 0.0000
CP502001	534121	6		NONE	0.0000
CP534121	534201	6		NONE	0.0000
CP534201	534111	6		NONE	0.0000
CP534111	CON242	6		NONE	0.0000
CPCON242	CON243	6		NONE	0.0000
CPCON243	SJGMC4	6		NONE	0.0000
CP535301	SJGMC4	6		NONE	0.0000
CP535341	OUT	2	NONE		-3. 0.0000
CP533931	534001	6		NONE	0.0000
CP534001	534002	6		NONE	0.0000
CP534002	SJGMC4	6		NONE	0.0000
CP534042	OUT	2	NONE		-3. 0.0000
CP534041	OUT	2	NONE		-3. 0.0000
CP535401	535501	6		NONE	0.0000
CP535501	CBALC2	6		NONE	0.0000
CP535541	OUT	2	NONE	401041	-3. 0.0000
CP535601	535701	6		NONE	0.0000
CP542901	013331	6		NONE	0.0000
CP535743	OUT	2	NONE		-3. 0.0000
CP532141	OUT	2	NONE		-3. 0.0000
CP000011	013331	2	NONE		-3. 0.0000
CP542941	OUT	2	NONE		-3. 0.0000
CP535841	OUT	2	NONE		-3. 0.0000
CP013331	SJGMC4	2	NONE		-3. 0.0000
CP535901	536001	6		NONE	0.0000
CP100051	535702	2	NONE		-3. 0.0000
CP536001	535702	6		NONE	0.0000
CP535702	SJGMC4	6		NONE	0.0000
CP535742	OUT	2	NONE	401041	-3. 0.0000
CP535741	OUT	2	NONE	401041	-3. 0.0000
CP535703	SJGMC4	6		NONE	0.0000
CP034161	557401	2	NONE		-3. 0.0000
CP034162	557401	2	NONE		-3. 0.0000
CP557401	536201	6		NONE	0.0000
CP536201	101731	6		NONE	0.0000
CP536231	536202	6		401041	0.0000
CP557441	OUT	2	NONE	401041	-3. 0.0000
CP536202	101731	6		NONE	0.0000
CP101731	SJGBC3	2	NONE		-3. 0.0000
CP516841	OUT	2	NONE		-3. 0.0000
CP106271	010501	2	NONE		-3. 0.0000
CP536303	SJGBC3	6		NONE	0.0000

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CP536302	SJGBC3	6		NONE		0.0000
CP517851	540051	2	NONE	NONE	-3.	0.0000
CP010501	536351	2	NONE	NONE	-3.	0.0000
CP536351	SJGBC3	2	NONE	NONE	-3.	0.0000
CP536301	SJGBC3	6		NONE		0.0000
CP012631	SJGBC3	2	NONE	NONE	-3.	0.0000
CP103751	SJGBC3	2	NONE	NONE	-3.	0.0000
CP101741	SJGMC4	2	NONE	NONE	-3.	0.0000
CP106901	SJGMC4	2	NONE	NONE	-3.	0.0000
CP104101	SJGMC4	2	NONE	NONE	-3.	0.0000
CP010402	SJGMC4	2	NONE	NONE	-3.	0.0000
CP004432	SJGMC4	2	NONE	NONE	-3.	0.0000
CP004491	SJGMC4	2	NONE	NONE	-3.	0.0000
CP014851	SJGMC4	2	NONE	NONE	-3.	0.0000
CP026701	SJGMC4	2	NONE	NONE	-3.	0.0000
CP004431	SJGMC4	2	NONE	NONE	-3.	0.0000
CP009901	SJGMC4	2	NONE	NONE	-3.	0.0000
CP005754	SJGMC4	2	NONE	NONE	-3.	0.0000
CP005752	SJGMC4	2	NONE	NONE	-3.	0.0000
CP005753	SJGMC4	2	NONE	NONE	-3.	0.0000
CP536101	SJGMC4	6		NONE		0.0000
CP536154	SJGMC4	2	NONE	NONE	-3.	0.0000
CP536153	SJGMC4	2	NONE	NONE	-3.	0.0000
CP536152	SJGMC4	2	NONE	NONE	-3.	0.0000
CP536151	SJGMC4	2	NONE	NONE	-3.	0.0000
CP101343	CLPEC1	2	NONE	NONE	-3.	0.0000
CP122951	CLPEC1	2	NONE	NONE	-3.	0.0000
CP536941	OUT	2	NONE	401041	-3.	0.0000
CPCLPEC1	536901	1		NONE		-3. 0.0000
CP104952	536901	2	NONE	NONE	-3.	0.0000
CP536901	536951	6		NONE		0.0000
CP536951	536402	2	NONE	NONE	-3.	0.0000
CP536402	101341	6		NONE		0.0000
CP101341	536401	2	NONE	NONE	-3.	0.0000
CP536401	101342	6		NONE		0.0000
CP104951	115711	2	NONE	NONE	-3.	0.0000
CP115711	105685	2	NONE	NONE	-3.	0.0000
CP518301	105685	6		NONE		0.0000
CP518331	518301	6		401041		0.0000
CP105201	105685	2	NONE	NONE	-3.	0.0000
CP105685	535001	2	NONE	NONE	-3.	0.0000
CP010442	010441	2	NONE	NONE	-3.	0.0000
CP535002	010444	6		NONE		0.0000
CP010444	540051	2	NONE	NONE	-3.	0.0000
CP540001	010443	6		NONE		0.0000
CP517801	101731	6		NONE		0.0000
CP105391	010441	2	NONE	NONE	-3.	0.0000
CP535001	010443	6		NONE		0.0000
CP010443	105261	2	NONE	NONE	-3.	0.0000
CP105261	105262	2	NONE	NONE	-3.	0.0000
CP105262	010442	2	NONE	NONE	-3.	0.0000
CP540051	010442	2	NONE	NONE	-3.	0.0000
CP010441	SJGBC3	2	NONE	NONE	-3.	0.0000
CP106711	SJGBC3	2	NONE	NONE	-3.	0.0000
CP540041	OUT	2	NONE	NONE	-3.	0.0000
CP540042	OUT	2	NONE	NONE	-3.	0.0000
CP540045	OUT	2	NONE	NONE	-3.	0.0000
CP540044	OUT	2	NONE	NONE	-3.	0.0000
CP540043	OUT	2	NONE	NONE	-3.	0.0000
CP540046	OUT	2	NONE	401041	-3.	0.0000
CP523043	OUT	2	NONE	NONE	-3.	0.0000
CP523042	OUT	2	NONE	NONE	-3.	0.0000
CP523041	OUT	2	NONE	401041	-3.	0.0000
CP523001	010441	6		NONE		0.0000
CP559141	OUT	2	NONE	401041	-3.	0.0000
CP021821	559101	2	NONE	NONE	-3.	0.0000
CP029151	559101	2	NONE	NONE	-3.	0.0000
CP559101	010441	6		NONE		0.0000
CP010541	SJGBC3	2	NONE	NONE	-3.	0.0000
CP010281	SJGBC3	2	NONE	NONE	-3.	0.0000
CP102061	SJGBC3	2	NONE	NONE	-3.	0.0000
CP533403	SJGMC4	6		NONE		0.0000
CP533405	548501	6		NONE		0.0000
CP022161	548501	2	NONE	NONE	-3.	0.0000
CP018711	548501	2	NONE	NONE	-3.	0.0000
CP018714	548501	2	NONE	NONE	-3.	0.0000
CP018716	548501	2	NONE	NONE	-3.	0.0000
CP019611	548501	2	NONE	NONE	-3.	0.0000
CP018611	548501	2	NONE	NONE	-3.	0.0000
CP018061	548501	2	NONE	NONE	-3.	0.0000
CP018612	548501	2	NONE	NONE	-3.	0.0000
CP018781	548501	2	NONE	NONE	-3.	0.0000
CP533331	548501	6		NONE		0.0000
CP548501	533401	6		NONE		0.0000

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CP533401	533402	6	NONE	NONE	0.0000		
CP533402	548502	6	NONE	NONE	0.0000		
CP548502	SJGMC4	6	NONE	NONE	0.0000		
CP533404	533403	6	NONE	NONE	0.0000		
CPSJGMC4	OUT	1	NONE	NONE	-3.0000		
CPSJGBC3	OUT	1	NONE	NONE	-3.0000		
CPIB4128	OUT	2	NONE	NONE	-3.0000		
CPIB5287	OUT	2	NONE	NONE	-3.0000		
CPIB5291	OUT	2	NONE	NONE	-3.0000		
CPD34583	W12311	6	345831	NONE	0.0000		
CPD56771	OUT	2	NONE	NONE	-3.0000		
CPD53251	OUT	2	NONE	NONE	-3.0000		
**							
** SysOp Change:							
** Dummy control point for modeling system operation							
** PK :							
CPSR5155	OUT	2	NONE	NONE	-3.0000		
CP5155DP	OUT	2	NONE	NONE	-3.0000		
** Granbury:							
CPSR5156	OUT	2	NONE	NONE	-3.0000		
CP5156DP	OUT	2	NONE	NONE	-3.0000		
** Whitney:							
CPSR5157	OUT	2	NONE	NONE	-3.0000		
CP5157DP	OUT	2	NONE	NONE	-3.0000		
** Aquila:							
CPSR5158	OUT	2	NONE	NONE	-3.0000		
CP5158DP	OUT	2	NONE	NONE	-3.0000		
** Proctor:							
CPSR5159	OUT	2	NONE	NONE	-3.0000		
CP5159DP	OUT	2	NONE	NONE	-3.0000		
** Belton:							
CPSR5160	OUT	2	NONE	NONE	-3.0000		
CP5160DP	OUT	2	NONE	NONE	-3.0000		
** Stillhouse Hollow:							
CPSR5161	OUT	2	NONE	NONE	-3.0000		
CP5161DP	OUT	2	NONE	NONE	-3.0000		
** Georgetown:							
CPSR5162	OUT	2	NONE	NONE	-3.0000		
CP5162DP	OUT	2	NONE	NONE	-3.0000		
** Granger:							
CPSR5163	OUT	2	NONE	NONE	-3.0000		
CP5163DP	OUT	2	NONE	NONE	-3.0000		
** Somerville:							
CPSR5164	OUT	2	NONE	NONE	-3.0000		
CP5164DP	OUT	2	NONE	NONE	-3.0000		
** Limestone:							
CPSR5165	OUT	2	NONE	NONE	-3.0000		
CP5165DP	OUT	2	NONE	NONE	-3.0000		
** Allens creek:							
CPSR2925	OUT	2	NONE	NONE	-3.0000		
CP2925DP	OUT	2	NONE	NONE	-3.0000		
**							
CPBIGFLO	OUT	2	NONE	NONE	-3.0000		
CPFK_dum	OUT	2	NONE	NONE	-3.0000	1	9999999
CPGB_dum	OUT	2	NONE	NONE	-3.0000	1	9999999
CPPR_dum	OUT	2	NONE	NONE	-3.0000	1	9999999
CPWH_dum	OUT	2	NONE	NONE	-3.0000	1	9999999
CPAQ_dum	OUT	2	NONE	NONE	-3.0000	1	9999999
CPBE_dum	OUT	2	NONE	NONE	-3.0000	1	9999999
CPSH_dum	OUT	2	NONE	NONE	-3.0000	1	9999999
CPGT_dum	OUT	2	NONE	NONE	-3.0000	1	9999999
CPGR_dum	OUT	2	NONE	NONE	-3.0000	1	9999999
CPSO_dum	OUT	2	NONE	NONE	-3.0000	1	9999999
CPLS_dum	OUT	2	NONE	NONE	-3.0000	1	9999999
CPAC_dum	OUT	2	NONE	NONE	-3.0000	1	9999999
** Pipelines							
CPSHGTP1	OUT	2	NONE	NONE	-3.0000		
CPDUMBEL	OUT	2	NONE	NONE	-3.0000		
CPGNGTPI	OUT	2	NONE	NONE	-3.0000		
** dummy control points for Lake Alcoa & Gibbons Creek backup							
CPAL_DUM	OUT	2	NONE	NONE	-3.0000		
CPGIBLIM	OUT	2	NONE	NONE	-3.0000		
CPDUMGIB	OUT	2	NONE	NONE	-3.0000		
**							
** dummy for Allens Creek monthly pumping limit							
CPAC_LIM	OUT	2	NONE	NONE	-3.0000		
**							
** EFLOW CPS DOUBLE MOUNTAIN FORK							
CPFAKE01	OUT	2	NONE	NONE	-3.0000		
CPFKDM01	OUT	2	NONE	NONE	-3.0000		
CPFKDM02	OUT	2	NONE	NONE	-3.0000		
CPFKDM03	OUT	2	NONE	NONE	-3.0000		
CPFKDM04	OUT	2	NONE	NONE	-3.0000		
CPFKDM05	OUT	2	NONE	NONE	-3.0000		

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CPFKDM06	OUT	2	NONE	NONE	-3.
CPFKDM07	OUT	2	NONE	NONE	-3.
CPFKDM08	OUT	2	NONE	NONE	-3.
CPFKDM09	OUT	2	NONE	NONE	-3.
CPFKDM10	OUT	2	NONE	NONE	-3.
CPFKDM11	OUT	2	NONE	NONE	-3.
CPFKDM12	OUT	2	NONE	NONE	-3.
CPDMDPND	OUT	2	NONE	NONE	-3.
CPDMAFND	OUT	2	NONE	NONE	-3.
CPDMWFND	OUT	2	NONE	NONE	-3.
CPDAYSPY	OUT	2	NONE	NONE	-3.
CP HALF	OUT	2	NONE	NONE	-3.
**					
CPUP-DRY	OUT	2	NONE	NONE	-3.
CPUP-AVG	OUT	2	NONE	NONE	-3.
CPUP-WET	OUT	2	NONE	NONE	-3.
CPMIDDRY	OUT	2	NONE	NONE	-3.
CPMIDAVG	OUT	2	NONE	NONE	-3.
CPMIDWET	OUT	2	NONE	NONE	-3.
CPLOWDRY	OUT	2	NONE	NONE	-3.
CPLOWAVG	OUT	2	NONE	NONE	-3.
CPLOWWET	OUT	2	NONE	NONE	-3.
CPDMNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS SALT FORK NEAR ASPERMONT					
CPFAKE02	OUT	2	NONE	NONE	-3.
CPFKSF01	OUT	2	NONE	NONE	-3.
CPFKSF02	OUT	2	NONE	NONE	-3.
CPFKSF03	OUT	2	NONE	NONE	-3.
CPFKSF04	OUT	2	NONE	NONE	-3.
CPFKSF05	OUT	2	NONE	NONE	-3.
CPFKSF06	OUT	2	NONE	NONE	-3.
CPFKSF07	OUT	2	NONE	NONE	-3.
CPFKSF08	OUT	2	NONE	NONE	-3.
CPFKSF09	OUT	2	NONE	NONE	-3.
CPFKSF10	OUT	2	NONE	NONE	-3.
CPFKSF11	OUT	2	NONE	NONE	-3.
CPFKSF12	OUT	2	NONE	NONE	-3.
CPSFDPND	OUT	2	NONE	NONE	-3.
CPSFAFND	OUT	2	NONE	NONE	-3.
CPSFWFND	OUT	2	NONE	NONE	-3.
CPSFNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT SEYMOUR					
CPFAKE03	OUT	2	NONE	NONE	-3.
CPFKSM01	OUT	2	NONE	NONE	-3.
CPFKSM02	OUT	2	NONE	NONE	-3.
CPFKSM03	OUT	2	NONE	NONE	-3.
CPFKSM04	OUT	2	NONE	NONE	-3.
CPFKSM05	OUT	2	NONE	NONE	-3.
CPFKSM06	OUT	2	NONE	NONE	-3.
CPFKSM07	OUT	2	NONE	NONE	-3.
CPFKSM08	OUT	2	NONE	NONE	-3.
CPFKSM09	OUT	2	NONE	NONE	-3.
CPFKSM10	OUT	2	NONE	NONE	-3.
CPFKSM11	OUT	2	NONE	NONE	-3.
CPFKSM12	OUT	2	NONE	NONE	-3.
CPSMDPND	OUT	2	NONE	NONE	-3.
CPSMAFND	OUT	2	NONE	NONE	-3.
CPSMWEND	OUT	2	NONE	NONE	-3.
CPSMNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS CLEAR FORK AT NUGENT					
CPFAKE04	OUT	2	NONE	NONE	-3.
CPFKNU01	OUT	2	NONE	NONE	-3.
CPFKNU02	OUT	2	NONE	NONE	-3.
CPFKNU03	OUT	2	NONE	NONE	-3.
CPFKNU04	OUT	2	NONE	NONE	-3.
CPFKNU05	OUT	2	NONE	NONE	-3.
CPFKNU06	OUT	2	NONE	NONE	-3.
CPFKNU07	OUT	2	NONE	NONE	-3.
CPFKNU08	OUT	2	NONE	NONE	-3.
CPFKNU09	OUT	2	NONE	NONE	-3.
CPFKNU10	OUT	2	NONE	NONE	-3.
CPFKNU11	OUT	2	NONE	NONE	-3.
CPFKNU12	OUT	2	NONE	NONE	-3.
CPFKNU13	OUT	2	NONE	NONE	-3.
CPNUPDND	OUT	2	NONE	NONE	-3.
CPNUAFND	OUT	2	NONE	NONE	-3.
CPNUWFND	OUT	2	NONE	NONE	-3.
CPNUNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS CLEAR FORK AT LUEDERS					
CPFAKE05	OUT	2	NONE	NONE	-3.
CPFKLU01	OUT	2	NONE	NONE	-3.
CPFKLU02	OUT	2	NONE	NONE	-3.
CPFKLU03	OUT	2	NONE	NONE	-3.
CPFKLU04	OUT	2	NONE	NONE	-3.

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CPFKLU05	OUT	2	NONE	NONE	-3.
CPFKLU06	OUT	2	NONE	NONE	-3.
CPFKLU07	OUT	2	NONE	NONE	-3.
CPFKLU08	OUT	2	NONE	NONE	-3.
CPFKLU09	OUT	2	NONE	NONE	-3.
CPFKLU10	OUT	2	NONE	NONE	-3.
CPFKLU11	OUT	2	NONE	NONE	-3.
CPFKLU12	OUT	2	NONE	NONE	-3.
CPFKLU13	OUT	2	NONE	NONE	-3.
CPLUDFND	OUT	2	NONE	NONE	-3.
CPLUAFND	OUT	2	NONE	NONE	-3.
CPLUWFND	OUT	2	NONE	NONE	-3.
CPLUNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT SOUTH BEND					
CPFAKE06	OUT	2	NONE	NONE	-3.
CPFKSB01	OUT	2	NONE	NONE	-3.
CPFKSB02	OUT	2	NONE	NONE	-3.
CPFKSB03	OUT	2	NONE	NONE	-3.
CPFKSB04	OUT	2	NONE	NONE	-3.
CPFKSB05	OUT	2	NONE	NONE	-3.
CPFKSB06	OUT	2	NONE	NONE	-3.
CPFKSB07	OUT	2	NONE	NONE	-3.
CPFKSB08	OUT	2	NONE	NONE	-3.
CPFKSB09	OUT	2	NONE	NONE	-3.
CPFKSB10	OUT	2	NONE	NONE	-3.
CPFKSB11	OUT	2	NONE	NONE	-3.
CPFKSB12	OUT	2	NONE	NONE	-3.
CPSBDPND	OUT	2	NONE	NONE	-3.
CPSBAPND	OUT	2	NONE	NONE	-3.
CPSBWFND	OUT	2	NONE	NONE	-3.
CPSBNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT PALO PINTO					
CPFAKE07	OUT	2	NONE	NONE	-3.
CPFKPP01	OUT	2	NONE	NONE	-3.
CPFKPP02	OUT	2	NONE	NONE	-3.
CPFKPP03	OUT	2	NONE	NONE	-3.
CPFKPP04	OUT	2	NONE	NONE	-3.
CPFKPP05	OUT	2	NONE	NONE	-3.
CPFKPP06	OUT	2	NONE	NONE	-3.
CPFKPP07	OUT	2	NONE	NONE	-3.
CPFKPP08	OUT	2	NONE	NONE	-3.
CPFKPP09	OUT	2	NONE	NONE	-3.
CPFKPP10	OUT	2	NONE	NONE	-3.
CPFKPP11	OUT	2	NONE	NONE	-3.
CPFKPP12	OUT	2	NONE	NONE	-3.
CPFKPP13	OUT	2	NONE	NONE	-3.
CPFKPP14	OUT	2	NONE	NONE	-3.
CPFKPP15	OUT	2	NONE	NONE	-3.
CPFKPP16	OUT	2	NONE	NONE	-3.
CPFKPP17	OUT	2	NONE	NONE	-3.
CPFKPP18	OUT	2	NONE	NONE	-3.
CPFKPP19	OUT	2	NONE	NONE	-3.
CPFKPP20	OUT	2	NONE	NONE	-3.
CPFKPP21	OUT	2	NONE	NONE	-3.
CPPDPND	OUT	2	NONE	NONE	-3.
CPPPASPD	OUT	2	NONE	NONE	-3.
CPPPALPD	OUT	2	NONE	NONE	-3.
CPPWSPD	OUT	2	NONE	NONE	-3.
CPPWLDP	OUT	2	NONE	NONE	-3.
CPPPNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT GLEN ROSE					
CPFAKE08	OUT	2	NONE	NONE	-3.
CPFKGR01	OUT	2	NONE	NONE	-3.
CPFKGR02	OUT	2	NONE	NONE	-3.
CPFKGR03	OUT	2	NONE	NONE	-3.
CPFKGR04	OUT	2	NONE	NONE	-3.
CPFKGR05	OUT	2	NONE	NONE	-3.
CPFKGR06	OUT	2	NONE	NONE	-3.
CPFKGR07	OUT	2	NONE	NONE	-3.
CPFKGR08	OUT	2	NONE	NONE	-3.
CPFKGR09	OUT	2	NONE	NONE	-3.
CPFKGR10	OUT	2	NONE	NONE	-3.
CPFKGR11	OUT	2	NONE	NONE	-3.
CPFKGR12	OUT	2	NONE	NONE	-3.
CPFKGR13	OUT	2	NONE	NONE	-3.
CPFKGR14	OUT	2	NONE	NONE	-3.
CPFKGR15	OUT	2	NONE	NONE	-3.
CPFKGR16	OUT	2	NONE	NONE	-3.
CPFKGR17	OUT	2	NONE	NONE	-3.
CPFKGR18	OUT	2	NONE	NONE	-3.
CPFKGR19	OUT	2	NONE	NONE	-3.
CPFKGR20	OUT	2	NONE	NONE	-3.
CPFKGR21	OUT	2	NONE	NONE	-3.
CPGRDPND	OUT	2	NONE	NONE	-3.

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CPGRASPD	OUT	2	NONE	NONE	-3.
CPGRALPD	OUT	2	NONE	NONE	-3.
CPGRWSPD	OUT	2	NONE	NONE	-3.
CPGRWLPD	OUT	2	NONE	NONE	-3.
CPGRNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS NORTH BOSQUE NEAR CLIFTON					
CPFAKE09	OUT	2	NONE	NONE	-3.
CPFKNB01	OUT	2	NONE	NONE	-3.
CPFKNB02	OUT	2	NONE	NONE	-3.
CPFKNB03	OUT	2	NONE	NONE	-3.
CPFKNB04	OUT	2	NONE	NONE	-3.
CPFKNB05	OUT	2	NONE	NONE	-3.
CPFKNB06	OUT	2	NONE	NONE	-3.
CPFKNB07	OUT	2	NONE	NONE	-3.
CPFKNB08	OUT	2	NONE	NONE	-3.
CPFKNB09	OUT	2	NONE	NONE	-3.
CPFKNB10	OUT	2	NONE	NONE	-3.
CPFKNB11	OUT	2	NONE	NONE	-3.
CPFKNB12	OUT	2	NONE	NONE	-3.
CPFKNB13	OUT	2	NONE	NONE	-3.
CPNBDFND	OUT	2	NONE	NONE	-3.
CPNBAPND	OUT	2	NONE	NONE	-3.
CPNBWFND	OUT	2	NONE	NONE	-3.
CPNBOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT WACO					
CPFAKE10	OUT	2	NONE	NONE	-3.
CPFKWA01	OUT	2	NONE	NONE	-3.
CPFKWA02	OUT	2	NONE	NONE	-3.
CPFKWA03	OUT	2	NONE	NONE	-3.
CPFKWA04	OUT	2	NONE	NONE	-3.
CPFKWA05	OUT	2	NONE	NONE	-3.
CPFKWA06	OUT	2	NONE	NONE	-3.
CPFKWA07	OUT	2	NONE	NONE	-3.
CPFKWA08	OUT	2	NONE	NONE	-3.
CPFKWA09	OUT	2	NONE	NONE	-3.
CPFKWA10	OUT	2	NONE	NONE	-3.
CPFKWA11	OUT	2	NONE	NONE	-3.
CPFKWA12	OUT	2	NONE	NONE	-3.
CPFKWA13	OUT	2	NONE	NONE	-3.
CPWADFND	OUT	2	NONE	NONE	-3.
CPWAASPD	OUT	2	NONE	NONE	-3.
CPWAWSPD	OUT	2	NONE	NONE	-3.
CPWANOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS LEON RIVER AT GATESVILLE					
CPFAKE11	OUT	2	NONE	NONE	-3.
CPFKGT01	OUT	2	NONE	NONE	-3.
CPFKGT02	OUT	2	NONE	NONE	-3.
CPFKGT03	OUT	2	NONE	NONE	-3.
CPFKGT04	OUT	2	NONE	NONE	-3.
CPFKGT05	OUT	2	NONE	NONE	-3.
CPFKGT06	OUT	2	NONE	NONE	-3.
CPFKGT07	OUT	2	NONE	NONE	-3.
CPFKGT08	OUT	2	NONE	NONE	-3.
CPFKGT09	OUT	2	NONE	NONE	-3.
CPFKGT10	OUT	2	NONE	NONE	-3.
CPFKGT11	OUT	2	NONE	NONE	-3.
CPFKGT12	OUT	2	NONE	NONE	-3.
CPFKGT13	OUT	2	NONE	NONE	-3.
CPGTFDND	OUT	2	NONE	NONE	-3.
CPGTASPD	OUT	2	NONE	NONE	-3.
CPGTWSPD	OUT	2	NONE	NONE	-3.
CPGTNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS LAMPASAS RIVER NEAR KEMPNER					
CPFAKE12	OUT	2	NONE	NONE	-3.
CPFKLA01	OUT	2	NONE	NONE	-3.
CPFKLA02	OUT	2	NONE	NONE	-3.
CPFKLA03	OUT	2	NONE	NONE	-3.
CPFKLA04	OUT	2	NONE	NONE	-3.
CPFKLA05	OUT	2	NONE	NONE	-3.
CPFKLA06	OUT	2	NONE	NONE	-3.
CPFKLA07	OUT	2	NONE	NONE	-3.
CPFKLA08	OUT	2	NONE	NONE	-3.
CPFKLA09	OUT	2	NONE	NONE	-3.
CPFKLA10	OUT	2	NONE	NONE	-3.
CPFKLA11	OUT	2	NONE	NONE	-3.
CPFKLA12	OUT	2	NONE	NONE	-3.
CPFKLA13	OUT	2	NONE	NONE	-3.
CPPLADPND	OUT	2	NONE	NONE	-3.
CPPLAAPND	OUT	2	NONE	NONE	-3.
CPPLAWPND	OUT	2	NONE	NONE	-3.
CPPLANOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS LITTLE RIVER NEAR LITTLE RIVER					
CPFAKE13	OUT	2	NONE	NONE	-3.
CPFKLR01	OUT	2	NONE	NONE	-3.

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CPFKLR02	OUT	2	NONE	NONE	-3.
CPFKLR03	OUT	2	NONE	NONE	-3.
CPFKLR04	OUT	2	NONE	NONE	-3.
CPFKLR05	OUT	2	NONE	NONE	-3.
CPFKLR06	OUT	2	NONE	NONE	-3.
CPFKLR07	OUT	2	NONE	NONE	-3.
CPFKLR08	OUT	2	NONE	NONE	-3.
CPFKLR09	OUT	2	NONE	NONE	-3.
CPFKLR10	OUT	2	NONE	NONE	-3.
CPFKLR11	OUT	2	NONE	NONE	-3.
CPFKLR12	OUT	2	NONE	NONE	-3.
CPFKLR13	OUT	2	NONE	NONE	-3.
CPLRDPND	OUT	2	NONE	NONE	-3.
CPLRASPD	OUT	2	NONE	NONE	-3.
CPLRWSPD	OUT	2	NONE	NONE	-3.
CPLRNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS LITTLE RIVER NEAR CAMERON					
CPFAKE14	OUT	2	NONE	NONE	-3.
CPFKCA01	OUT	2	NONE	NONE	-3.
CPFKCA02	OUT	2	NONE	NONE	-3.
CPFKCA03	OUT	2	NONE	NONE	-3.
CPFKCA04	OUT	2	NONE	NONE	-3.
CPFKCA05	OUT	2	NONE	NONE	-3.
CPFKCA06	OUT	2	NONE	NONE	-3.
CPFKCA07	OUT	2	NONE	NONE	-3.
CPFKCA08	OUT	2	NONE	NONE	-3.
CPFKCA09	OUT	2	NONE	NONE	-3.
CPFKCA10	OUT	2	NONE	NONE	-3.
CPFKCA11	OUT	2	NONE	NONE	-3.
CPFKCA12	OUT	2	NONE	NONE	-3.
CPFKCA13	OUT	2	NONE	NONE	-3.
CPCADPND	OUT	2	NONE	NONE	-3.
CPCAAASP	OUT	2	NONE	NONE	-3.
CPCAWSPD	OUT	2	NONE	NONE	-3.
CPCANOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT BRYAN					
CPFAKE15	OUT	2	NONE	NONE	-3.
CPFKBR01	OUT	2	NONE	NONE	-3.
CPFKBR02	OUT	2	NONE	NONE	-3.
CPFKBR03	OUT	2	NONE	NONE	-3.
CPFKBR04	OUT	2	NONE	NONE	-3.
CPFKBR05	OUT	2	NONE	NONE	-3.
CPFKBR06	OUT	2	NONE	NONE	-3.
CPFKBR07	OUT	2	NONE	NONE	-3.
CPFKBR08	OUT	2	NONE	NONE	-3.
CPFKBR09	OUT	2	NONE	NONE	-3.
CPFKBR10	OUT	2	NONE	NONE	-3.
CPFKBR11	OUT	2	NONE	NONE	-3.
CPFKBR12	OUT	2	NONE	NONE	-3.
CPFKBR13	OUT	2	NONE	NONE	-3.
CPBRDPND	OUT	2	NONE	NONE	-3.
CPBRASPD	OUT	2	NONE	NONE	-3.
CPBRWSPD	OUT	2	NONE	NONE	-3.
CPBRNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS NAVASOTA RIVER NEAR EASTERLY					
CPFAKE16	OUT	2	NONE	NONE	-3.
CPFKEA01	OUT	2	NONE	NONE	-3.
CPFKEA02	OUT	2	NONE	NONE	-3.
CPFKEA03	OUT	2	NONE	NONE	-3.
CPFKEA04	OUT	2	NONE	NONE	-3.
CPFKEA05	OUT	2	NONE	NONE	-3.
CPFKEA06	OUT	2	NONE	NONE	-3.
CPFKEA07	OUT	2	NONE	NONE	-3.
CPFKEA08	OUT	2	NONE	NONE	-3.
CPFKEA09	OUT	2	NONE	NONE	-3.
CPFKEA10	OUT	2	NONE	NONE	-3.
CPFKEA11	OUT	2	NONE	NONE	-3.
CPFKEA12	OUT	2	NONE	NONE	-3.
CPFKEA13	OUT	2	NONE	NONE	-3.
CPEADPND	OUT	2	NONE	NONE	-3.
CPEAASP	OUT	2	NONE	NONE	-3.
CPEAWSPD	OUT	2	NONE	NONE	-3.
CPEANOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT HEMPSTEAD					
CPFAKE17	OUT	2	NONE	NONE	-3.
CPFKHE01	OUT	2	NONE	NONE	-3.
CPFKHE02	OUT	2	NONE	NONE	-3.
CPFKHE03	OUT	2	NONE	NONE	-3.
CPFKHE04	OUT	2	NONE	NONE	-3.
CPFKHE05	OUT	2	NONE	NONE	-3.
CPFKHE06	OUT	2	NONE	NONE	-3.
CPFKHE07	OUT	2	NONE	NONE	-3.
CPFKHE08	OUT	2	NONE	NONE	-3.
CPFKHE09	OUT	2	NONE	NONE	-3.

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CPFKHE10	OUT	2	NONE	NONE	-3.
CPFKHE11	OUT	2	NONE	NONE	-3.
CPFKHE12	OUT	2	NONE	NONE	-3.
CPFKHE13	OUT	2	NONE	NONE	-3.
CPHEDEFND	OUT	2	NONE	NONE	-3.
CPHEASPD	OUT	2	NONE	NONE	-3.
CPHEWSPD	OUT	2	NONE	NONE	-3.
CPHENOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT RICHMOND					
CPFAKE18	OUT	2	NONE	NONE	-3.
CPFKRC01	OUT	2	NONE	NONE	-3.
CPFKRC02	OUT	2	NONE	NONE	-3.
CPFKRC03	OUT	2	NONE	NONE	-3.
CPFKRC04	OUT	2	NONE	NONE	-3.
CPFKRC05	OUT	2	NONE	NONE	-3.
CPFKRC06	OUT	2	NONE	NONE	-3.
CPFKRC07	OUT	2	NONE	NONE	-3.
CPFKRC08	OUT	2	NONE	NONE	-3.
CPFKRC09	OUT	2	NONE	NONE	-3.
CPFKRC10	OUT	2	NONE	NONE	-3.
CPFKRC11	OUT	2	NONE	NONE	-3.
CPFKRC12	OUT	2	NONE	NONE	-3.
CPFKRC13	OUT	2	NONE	NONE	-3.
CPRCDFND	OUT	2	NONE	NONE	-3.
CPRCASP	OUT	2	NONE	NONE	-3.
CPRCWSPD	OUT	2	NONE	NONE	-3.
CPRCNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT ROSHARON					
CPFAKE19	OUT	2	NONE	NONE	-3.
CPFKRO01	OUT	2	NONE	NONE	-3.
CPFKRO02	OUT	2	NONE	NONE	-3.
CPFKRO03	OUT	2	NONE	NONE	-3.
CPFKRO04	OUT	2	NONE	NONE	-3.
CPFKRO05	OUT	2	NONE	NONE	-3.
CPFKRO06	OUT	2	NONE	NONE	-3.
CPFKRO07	OUT	2	NONE	NONE	-3.
CPFKRO08	OUT	2	NONE	NONE	-3.
CPFKRO09	OUT	2	NONE	NONE	-3.
CPFKRO10	OUT	2	NONE	NONE	-3.
CPFKRO11	OUT	2	NONE	NONE	-3.
CPFKRO12	OUT	2	NONE	NONE	-3.
CPFKRO13	OUT	2	NONE	NONE	-3.
CPRDFND	OUT	2	NONE	NONE	-3.
CPRASP	OUT	2	NONE	NONE	-3.
CPRWSPD	OUT	2	NONE	NONE	-3.
CPRNOSB	OUT	2	NONE	NONE	-3.
CPHLDSB1	OUT	2	NONE	NONE	-3.
CPHLDSB2	OUT	2	NONE	NONE	-3.
** SB3 change (FNI) - add dummy CPs to record regulated flows 1 day senior to SB3 IFs					
CPDMDMAS	OUT	2	NONE	NONE	-3.
CPDMSFAS	OUT	2	NONE	NONE	-3.
CPDMBRSE	OUT	2	NONE	NONE	-3.
CPDMCFNU	OUT	2	NONE	NONE	-3.
CPDMCFLU	OUT	2	NONE	NONE	-3.
CPDMBRSE	OUT	2	NONE	NONE	-3.
CPDMBRPP	OUT	2	NONE	NONE	-3.
CPDMBRGR	OUT	2	NONE	NONE	-3.
CPDMNBCL	OUT	2	NONE	NONE	-3.
CPDMBRWA	OUT	2	NONE	NONE	-3.
CPDMLGT	OUT	2	NONE	NONE	-3.
CPDMLAKE	OUT	2	NONE	NONE	-3.
CPDMLRLR	OUT	2	NONE	NONE	-3.
CPDMLRCA	OUT	2	NONE	NONE	-3.
CPDMBRBR	OUT	2	NONE	NONE	-3.
CPDMNAEA	OUT	2	NONE	NONE	-3.
CPDMBRHE	OUT	2	NONE	NONE	-3.
CPDMBRR	OUT	2	NONE	NONE	-3.
CPDMBRRO	OUT	2	NONE	NONE	-3.
**					
** SysOp Change:					
** Populate some dummy control points with large flows					
CISR5155	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5156	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5157	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5158	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5159	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5160	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5161	9999999	9999999	9999999	9999999	9999999

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CI	9999999	9999999	9999999	9999999	9999999	9999999			
CISR5162	9999999	9999999	9999999	9999999	9999999	9999999			
CI	9999999	9999999	9999999	9999999	9999999	9999999			
CISR5163	9999999	9999999	9999999	9999999	9999999	9999999			
CI	9999999	9999999	9999999	9999999	9999999	9999999			
CISR5164	9999999	9999999	9999999	9999999	9999999	9999999			
CI	9999999	9999999	9999999	9999999	9999999	9999999			
CISR5165	9999999	9999999	9999999	9999999	9999999	9999999			
CI	9999999	9999999	9999999	9999999	9999999	9999999			
CISR2925	9999999	9999999	9999999	9999999	9999999	9999999			
CI	9999999	9999999	9999999	9999999	9999999	9999999			
** big flow for testing									
CIBIGFLO	9999999	9999999	9999999	9999999	9999999	9999999			
CI	9999999	9999999	9999999	9999999	9999999	9999999			
** Amount subtracted from Gibbons Creek empty storage - arbitrarily set to this amount									
CIGIBLIM	4000	4000	4000	4000	4000	4000			
CI	4000	4000	4000	4000	4000	4000			
** Monthly pumping limit from Brazos for Allens Creek. Used to set target for Excess Flows diversion.									
CIAC_LIM	130680	130680	130680	130680	130680	130680			
CI	130680	130680	130680	130680	130680	130680			
** CI RECORDS									
** 2050 return flows - linear interpolated between 2020 and 2070 levels included in Brazos G									
CI100401	19.19	16.74	16.38	20.60	22.20	21.89	City of Breckenridge	10040.001	355
CI	15.02	13.87	12.97	16.67	13.90	13.76			
CI104871	35.77	36.79	37.42	41.01	46.40	49.78	City of Graham	10487.001	752
CI	37.57	36.61	35.27	33.76	37.28	34.54			
CI105851	6.39	6.31	8.05	11.98	10.23	6.62	City of Mineral Wells	10585.004	117
CI	3.63	3.19	2.93	3.91	4.95	4.40			
CI105852	57.23	56.02	69.43	76.37	92.35	72.45	City of Mineral Wells	10585.001	1193
CI	50.75	49.00	46.23	48.24	63.05	57.70			
CI101782	28.57	23.04	27.51	37.21	50.16	41.68	City of Granbury	10178.002	690
CI	24.42	38.31	31.20	116.22	35.11	30.77			
CI106301	68.32	67.90	74.23	71.78	78.51	78.71	City of Hillsboro	10630.001	1201
CI	67.90	66.68	70.55	67.49	65.46	65.26			
CI102902	65.72	67.95	81.23	103.52	150.03	114.33	City of Stephenville	10290.001	1416
CI	66.61	65.36	67.20	66.09	66.85	62.50			
CI102191	28.91	19.10	31.87	29.59	36.32	32.25	City of McGregor	10219.002	462
CI	13.74	13.57	13.43	26.29	30.28	28.84			
CI101102	55.81	50.20	65.49	66.95	63.25	53.24	City of Marlin	10110.002	1136
CI	45.09	52.63	46.67	50.03	54.07	55.59			
CI106371	4.35	4.14	4.56	2.52	6.93	7.15	City of Eastland	10637.001	116
CI	5.76	4.56	5.98	5.28	6.01	7.19			
CI100455	108.04	98.78	116.89	125.42	132.00	129.76	City of Copperas Cove	10045.005	1687
CI	89.29	92.55	84.88	88.80	108.00	107.00			
CI101761	52.31	54.30	56.42	60.06	62.88	61.75	City of Gatesville	10176.001	823
CI	42.89	45.64	40.07	41.66	54.08	52.94			
CI101761	124.23	123.61	129.71	132.80	134.93	136.89	City of Gatesville	10176.002	2012
CI	124.41	128.49	125.70	121.30	122.15	124.17			
CI022336	62.95	56.50	65.18	65.57	72.81	67.44	City of Copperas Cove	10045.004	899
CI	40.12	44.57	40.85	44.72	59.89	61.81			
CI102051	38.65	39.13	40.63	39.75	40.91	40.22	City of Lampasas	10205.002	672
CI	32.85	34.68	33.56	36.68	38.04	37.30			
CI100451	41.09	38.57	46.32	46.80	52.27	50.02	City of Copperas Cove	10045.003	643
CI	33.01	33.66	31.20	33.20	40.15	42.50			
CI101551	141.25	133.04	165.86	171.62	198.90	168.08	City of Harker Heights	10155.001	2223
CI	118.85	129.72	112.20	128.61	165.86	155.22			
CI103511	32.05	29.69	32.77	36.76	43.03	46.23	Bell County WCID#1	10351.001	587
CI	45.20	50.08	44.87	38.12	35.76	37.84			
CI103513	852.80	830.23	962.88	936.86	1085.18	963.12	Bell County WCID#1	10351.002	12818
CI	764.14	761.37	704.26	740.65	861.79	855.11			
CI103513	170.07	164.20	166.47	187.12	207.20	189.01	Bell County WCID#1	14387.001	2426
CI	138.63	154.73	142.99	133.14	149.81	149.81			
CI104893	139.98	118.34	133.91	148.87	182.79	162.85	City of Georgetown	10489.002	1624
CI	131.39	150.93	142.48	135.91	135.97	133.59			
CI104892	141.73	132.07	142.96	136.43	155.38	134.76	City of Georgetown	10489.003	1538
CI	115.55	137.25	128.10	129.67	138.54	133.74			
CI100041	43.11	36.65	48.88	43.98	47.83	41.77	City of Cameron	10004.001	745
CI	31.90	34.79	30.11	30.28	37.04	37.85			
CI102641	115.07	113.90	132.09	148.77	153.99	142.09	BRA/LCRA BCRWSS West	10264.001	1510
CI	153.75	149.16	144.48	140.97	138.23	63.90			
CI102642	1518.30	1415.81	1497.54	1409.16	1573.05	1562.90	BRA/LCRA BCRWSS East	10264.002	17121
CI	1382.21	1574.36	1468.33	1509.00	1561.49	1629.85			
CI102991	175.47	150.06	197.75	186.36	225.13	173.95	City of Taylor	10299.001	1859
CI	132.43	153.89	134.29	127.46	149.38	159.60			
CI126441	94.25	86.84	95.27	95.48	118.53	102.36	City of Leander	12644.001	1070
CI	82.22	97.41	83.37	88.14	95.35	91.96			
CI100462	35.16	28.14	36.34	32.20	51.27	30.47	City of Hearne	10046.002	574
CI	22.63	34.72	27.58	29.29	31.33	35.47			
CI102311	11.45	9.88	11.45	10.37	12.64	10.15	City of Navasota	10231.001	692
CI	8.69	12.26	8.96	8.90	10.15	338.90			
CI103881	3.11	2.78	3.49	3.27	3.71	1237.07	City of Brenham	10388.001	2072
CI	2.84	3.55	2.84	2.89	2.78	3.27			
CI025851	25.83	29.15	31.79	32.54	35.48	29.43	Texas A&M University	2585.001	402
CI	25.81	28.09	26.27	30.19	29.41	18.02			

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CI103851	33.54	29.75	36.63	37.27	37.52	37.35	City of Bellville	10385.002	436
CI	29.19	36.25	31.35	27.66	31.13	34.16			
CI106073	121.86	105.60	126.22	141.03	156.49	154.55	City of Rosenberg	10607.003	1333
CI	111.65	156.84	144.80	131.61	123.58	132.97			
CI112751	41.31	45.98	45.89	50.47	46.49	38.21	Praire View A&M University	11275.002	500
CI	32.84	43.87	48.23	49.14	45.77	36.38			
CI106072	201.52	169.77	196.98	216.68	231.40	211.74	City of Rosenberg	10607.002	2006
CI	176.63	240.26	201.19	197.46	177.76	196.22			
CI102582	34.07	31.06	34.11	34.47	34.32	33.34	City of Richmond	10258.003	331
CI	31.55	37.57	31.96	32.07	31.45	32.81			
CI113171	476.32	425.74	465.70	477.28	498.27	463.77	BRA SLRSS	11317.001	4674
CI	439.36	557.96	467.17	450.16	446.25	465.40			
CI116551	88.07	83.37	87.92	95.56	98.32	94.13	Pecan Grove MUD	11655.001	926
CI	89.90	115.14	93.91	93.12	86.23	90.54			
CI128331	238.40	222.91	240.03	248.24	261.34	252.05	City of Sugarland	12833.002	2423.5
CI	238.35	286.21	235.96	231.86	226.81	238.74			
CI128332	238.40	222.91	240.03	248.24	261.34	252.05	City of Sugarland	12833.003	2423.5
CI	238.35	286.21	235.96	231.86	226.81	238.74			
CI133551	109.38	102.38	109.83	113.34	117.77	114.54	Fort Bend MUD 106	13355.001	1120
CI	106.19	128.17	109.71	114.22	109.23	115.06			
CI136281	156.84	148.00	160.05	166.30	176.73	170.48	Fort Bend MUD 112	13628.001	1587
CI	155.50	189.01	149.99	143.26	150.60	145.44			
CI103121	79.38	61.03	87.70	97.82	85.03	131.13	City of West Columbia	10312.001	829
CI	35.13	50.54	43.82	41.38	40.48	52.75			
CI108821	89.39	61.00	80.92	88.67	84.55	85.99	City of Freeport	10882.001	1018
CI	61.92	116.53	85.39	72.43	75.57	88.04			
CI105481	170.92	139.66	190.98	183.68	191.90	167.46	City of Angleton	10548.001	1987
CI	118.43	208.44	154.38	134.23	117.58	154.74			
CI102642	104.52	94.59	110.63	101.01	116.39	100.46	City of Hutto	11324.001	1112
CI	87.37	92.61	91.08	87.23	94.69	95.02			

** POPULATE EFLWS CPS FOR DOUBLE MOUNTAIN NEAR ASPERMONT

CI HALF	2	2	2	2	2	2
CI	2	2	2	2	2	2
CIDMPND	0	0	10	10	10	10
CI	9	9	9	9	0	0
CIDMAPND	0	0	10	10	10	10
CI	9	9	9	9	0	0
CIDMWPND	0	0	12	12	12	12
CI	12	12	12	12	0	0
CIFAKE01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM08	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM09	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM11	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM12	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIDMNOSE	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

** POPULATE EFLWS CPS FOR SALT FORK NEAR ASPERMONT

CISFPND	0	0	10	10	10	10
CI	8	8	8	8	0	0
CISFAPND	0	0	10	10	10	10
CI	8	8	8	8	0	0
CISFWPND	0	0	11	11	11	11
CI	10	10	10	10	0	0
CIFAKE02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

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CIFKSF05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSF06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSF07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSF08 9999999 9999999 9999999 9999999 9999999 9999999
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CIFKSF11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSF12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CISFNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
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** POPULATE EFLOWS CPS FOR BRAZOS AT SEYMOUR

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CISMDPND 0 0 10 10 10 10
CI 8 8 8 8 0 0
CISMAPND 0 0 10 10 10 10
CI 8 8 8 8 0 0
CISMPND 0 0 12 12 12 12
CI 11 11 11 11 0 0
CIFAKE03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
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CI 9999999 9999999 9999999 9999999 9999999 9999999
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CI 9999999 9999999 9999999 9999999 9999999 9999999
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CI 9999999 9999999 9999999 9999999 9999999 9999999
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CISMNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**

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** POPULATE EFLOWS CPS FOR CLEAR FORK AT NUGENT

```

CINUDPND 0 0 9 9 9 9
CI 8 8 8 8 0 0
CINUAPND 0 0 9 9 9 9
CI 8 8 8 8 0 0
CINUWPN 9 9 12 12 12 12
CI 12 12 12 12 9 9
CIFAKE04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
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CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
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CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
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CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

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Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

```

CIFKNU13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CINUNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

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** POPULATE EFLOWS CPS FOR CLEAR FORK AT LUEDERS
CILUDPND 0 0 2 2 2
CI 2 2 2 2 0
CILUAFND 0 0 2 2 2
CI 2 2 2 2 0
CILLUWFND 9 9 9 9 9
CI 5 5 5 5 9

```

```

CIFAKE05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLU01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLU02 9999999 9999999 9999999 9999999 9999999 9999999
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CIFKLU03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLU04 9999999 9999999 9999999 9999999 9999999 9999999
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CIFKLU05 9999999 9999999 9999999 9999999 9999999 9999999
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CIFKLU06 9999999 9999999 9999999 9999999 9999999 9999999
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CILUNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

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** POPULATE EFLOWS CPS FOR BRAZOS NEAR SOUTH BEND
CISBDFND 0 0 10 10 10
CI 8 8 8 8 0
CISBAPND 0 0 10 10 10
CI 8 8 8 8 0
CISBWPND 0 0 13 13 13
CI 11 11 11 11 0

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CIFAKE06 9999999 9999999 9999999 9999999 9999999 9999999
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CIFKSB01 9999999 9999999 9999999 9999999 9999999 9999999
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** POPULATE EFLOWS CPS FOR BRAZOS NEAR PALO PINTO
CIPDPND 5 5 6 6 6
CI 6 6 6 6 5
CIPASPND 5 5 6 6 6
CI 6 6 6 6 5

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Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

CIPPALPD	7	7	10	10	10	10
CI	9	9	9	9	7	7
CIPFWSPD	5	5	6	6	6	6
CI	6	6	6	6	5	5
CIPWLPD	7	7	10	10	10	10
CI	9	9	9	9	7	7
CIFAKE07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKPP01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKPP02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKPP03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKPP04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKPP05	9999999	9999999	9999999	9999999	9999999	9999999
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CIFKPP06	9999999	9999999	9999999	9999999	9999999	9999999
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CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKPP09	9999999	9999999	9999999	9999999	9999999	9999999
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CIFKPP10	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
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CIFKPP16	9999999	9999999	9999999	9999999	9999999	9999999
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CIFKPP19	9999999	9999999	9999999	9999999	9999999	9999999
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CIFKPP21	9999999	9999999	9999999	9999999	9999999	9999999
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CIPPNOSB	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
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** POPULATE EFLOWS CPS FOR BRAZOS NEAR GLEN ROSE						
CIGRDPND	8	8	10	10	10	10
CI	8	8	8	8	8	8
CIGRASP	8	8	10	10	10	10
CI	8	8	8	8	8	8
CIGRALPD	10	10	14	14	14	14
CI	12	12	12	12	10	10
CIGRWSPD	8	8	10	10	10	10
CI	8	8	8	8	8	8
CIGRWLPD	10	10	14	14	14	14
CI	12	12	12	12	10	10
CIFAKE08	9999999	9999999	9999999	9999999	9999999	9999999
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CIFKGR01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKGR02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKGR03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKGR04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKGR05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKGR06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKGR07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKGR08	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKGR09	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

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CIFKGR10 9999999 9999999 9999999 9999999 9999999 9999999
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CIGRNOSE 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**
** POPULATE EFLOWS CPS FOR CLEAR FORK AT NUGENT
CINBDFND 0 0 12 12 12 12
CI 0 0 0 0 0 0
CINBAPND 0 0 12 12 12 12
CI 0 0 0 0 0 0
CINBWFND 10 10 12 12 12 12
CI 6 6 6 6 10 10
CIFAKE09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CINBNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**
** POPULATE EFLOWS CPS FOR BRAZOS NEAR WACO
CIWADFND 7 7 10 10 10 10
CI 7 7 7 7 7 7
CIWAASPD 7 7 10 10 10 10
CI 7 7 7 7 7 7
CIWAWSPD 9 9 14 14 14 14
CI 10 10 10 10 9 9
CIFAKE10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
    
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Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

CIFKWA06 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKWA07 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKWA08 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKWA09 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKWA10 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKWA11 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKWA12 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKWA13 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIWANOSB 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 **

** POPULATE EFLWS CPS FOR LEON RIVER AT GATESVILLE
 CIGTDPND 0 0 10 10 10 10
 CI 4 4 4 4 0 0
 CIGTASPD 0 0 10 10 10 10
 CI 4 4 4 4 0 0
 CIGTWSPD 6 6 13 13 13 13
 CI 6 6 6 6 6 6

CIFAKE11 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKGT01 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKGT02 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKGT03 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKGT04 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKGT05 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKGT06 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKGT07 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKGT08 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKGT09 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKGT10 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKGT11 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKGT12 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKGT13 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIGTNOSE 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 **

** POPULATE EFLWS CPS FOR LAMPASAS RIVER NEAR KEMPNER
 CILADPND 8 8 13 13 13 13
 CI 4 4 4 4 8 8
 CILAAPND 8 8 13 13 13 13
 CI 4 4 4 4 8 8
 CILAWPND 11 11 16 16 16 16
 CI 6 6 6 6 11 11

CIFAKE12 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKLA01 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKLA02 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKLA03 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKLA04 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKLA05 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKLA06 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKLA07 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKLA08 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKLA09 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999

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TWDB Contract Number 2100012466

```
CIFKLA10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CILANOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**
```

** POPULATE EFWLWS CPS FOR LITTLE RIVER NEAR LITTLE RIVER

```
CILRDPND 5 5 10 10 10 10
CI 4 4 4 4 5 5
CILRASPD 5 5 10 10 10 10
CI 4 4 4 4 5 5
CILRWSPD 11 11 17 17 17 17
CI 8 8 8 8 11 11
```

```
CIFAKE13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLR01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLR02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLR03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLR04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLR05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLR06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLR07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLR08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLR09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLR10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLR11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLR12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLR13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CILRNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**
```

** POPULATE EFWLWS CPS FOR LITTLE RIVER NEAR CAMERON

```
CICADPND 8 8 12 12 12 12
CI 6 6 6 6 8 8
CICAASPD 8 8 12 12 12 12
CI 6 6 6 6 8 8
CICAWSPD 10 10 14 14 14 14
CI 8 8 8 8 10 10
```

```
CIFAKE14 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
```


Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

CICANOSB 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 **

** POPULATE EFLOWS CPS FOR BRAZOS NEAR BRYAN

CIBRDPND	7	7	11	11	11	11
CI	7	7	7	7	7	7
CIBRASPD	7	7	11	11	11	11
CI	7	7	7	7	7	7
CIBRWSPD	10	10	14	14	14	14
CI	8	8	8	8	10	10
CIFAKE15	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR08	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR09	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR10	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR11	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR12	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR13	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIBRNOSB	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

** POPULATE EFLOWS CPS FOR NAVASOTA RIVER NEAR EASTERLY

CIEADPND	9	9	11	11	11	11
CI	0	0	0	0	9	9
CIEAASPD	9	9	11	11	11	11
CI	0	0	0	0	9	9
CIEAWSPD	12	12	13	13	13	13
CI	5	5	5	5	12	12
CIFAKE16	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA08	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA09	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA10	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA11	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA12	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA13	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIEANOSB	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

** POPULATE EFLOWS CPS FOR BRAZOS NEAR HEMPSTEAD

CIHEDPND	10	10	13	13	13	13
CI	7	7	7	7	10	10
CIHEASPD	10	10	13	13	13	13
CI	7	7	7	7	10	10

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TWDB Contract Number 2100012466

CIHEWSPD	15	15	19	19	19	19
CI	9	9	9	9	15	15
CIFAKE17	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKHE01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKHE02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKHE03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKHE04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKHE05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKHE06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKHE07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKHE08	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKHE09	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKHE10	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKHE11	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKHE12	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKHE13	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIHENOSB	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
**						
** POPULATE EFLOWS CPS FOR BRAZOS AT RICHMOND						
CIRCDPND	11	11	13	13	13	13
CI	6	6	6	6	11	11
CIRCASPD	11	11	13	13	13	13
CI	6	6	6	6	11	11
CIRCWSPD	16	16	19	19	19	19
CI	10	10	10	10	16	16
CIFAKE18	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKRC01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKRC02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKRC03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKRC04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKRC05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKRC06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKRC07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKRC08	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKRC09	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKRC10	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKRC11	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKRC12	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKRC13	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIRCNOB	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
**						
** POPULATE EFLOWS CPS FOR BRAZOS AT ROSHARON						
CIRODPND	12	12	10	10	10	10
CI	6	6	6	6	12	12
CIROASPD	12	12	10	10	10	10
CI	6	6	6	6	12	12
CIROWSPD	16	16	18	18	18	18
CI	9	9	9	9	16	16
CIFAKE19	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKRO01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKRO02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

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TWDB Contract Number 2100012466

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CIFKRO03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIRONOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**

```

```

** EFLOW CI RECORDS
CIDAYSPY 31 28.25 31 30 31 30
CI 31 31 30 31 30 31
**

```

** FNI Change - add dummy CIs to record regulated flows 1 day senior to SB3 IFs

```

CIDMDMAS 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMSFAS 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMRSE 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMCFNU 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMCFLU 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMRSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMRPP 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMRGR 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMNCL 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMRWA 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMLEGT 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMLAKE 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMLRLR 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMLRCA 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMRBR 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMNAEA 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMRHE 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMBRRI 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMBRRO 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

```

** FNI Change end

** WR/WS/IF/SO/OR/ML RECORDS

** HDR - Updated conservation capacities to 2050 sediment conditions for major reservoirs.

**<----->|<-----> WRAP input variables <----->|

**<----->|<-----> water rights information not utilized by WRAP <----->|

```

** CPID AMT USE PRIORITY RETURN_PARAMS WRID WRID2 OWNER
STREAM RIVER_ORDER_NUMBER CPID TERM SUBAREA

```

** HDR - Removed Reuse - already accounted for in CI records

** FNI change - Cleburne reuse

```

**IF 4106C 2552 4106IF20040820 1 IF4196C
**WR 4106C MUN220040820 CleburneReuse C4106 reuse
**TS ADD 2015 274 260 307 340 327 225 201 201 215 254 271 267

```

** FNI change - Waco reuse

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```

**IF584001 293525. IFWCRE20040713 1 IFP5840_1
**WR584001 0 20040713 WacoReuse P5094 reuse
**TS ADD 2015 1978 1876 2132 1836 1714 1695 1816 1945 2005 2042 1918 2052
**
** FNI change - Bryan and College Station reuse
**City of Bryan, 5912
**WR591201 0. 10000212 1 P5912_1 P5912 reuse
**TS ADD 2015 504 516 521 506 501 473 490 525 511 504 482 490
**
**City of College Station, 5913
**WR591201 0. 10000212 1 P5913_1 P5913 reuse
**TS ADD 2015 536 500 561 540 529 492 497 513 548 543 510 479
**
** FNI change - City of Abilene reuse permit 12-4161C
** Code by FNI 3-24-13
** Sum of minimum monthly discharge from 2007 to 2011 is 6,667 ac-ft/yr.
** Permit 4266 (1985 priority) is already in model and allows diversion of 4,330 ac-ft/yr of effluent
** No changes to 4266 are proposed
** Assume that remaining discharge goes to Lake Kirby (CP 415031) for reuse at Lake Fort Phantom Hill
** No water left over for other diversion points authorized by 4161C, so not modeling.
** Instream flows apply ondy to diversion point 3 (scalping to Hubbard Creek). Since no water left for that, we are not modeling
**
** Reuse at Lake Fort Phantom Hill. Not storing water so reservoir not included.
** TS is zero some times because P4266 sometimes diverts more than minimum monthly discharge
**WR416131 20041014 1 2 0.0000 C4161_c ABILFPH reuse
**TS ADD 2015 397 170 285 193 189 0 0 0 0 296 299 334
** End FNI change
**
** FNI Change - Modeling at revised priority date to preserve prior appropriation relative to System Operation Modeling
** Actual priority date 09/04/2007
**Alcoa 12191 I-South 9/04/09 SD
**WR121911 0. UNIFO20120307 1 A121911 12191
WR121911 0. UNIFO20070904 1 A121911 12191
WS121911 1209. 0.5245 0.6411
**
**Alcoa 12190 9/04/09 SD
**WR121902 0. UNIFO20120307 1 A121902 12190
WR121902 0. UNIFO20070904 1 A121902 12190
WS121902 360. 0.5245 0.6411
**WR121901 0. UNIFO20120307 1 A121901 12190
WR121901 0. UNIFO20070904 1 A121901 12190
WS121901 6877.
** FNI Change end
**
** Smiling Mallard Development, 5788, 4/29/07 sj
IF578831 12.05 IF578820020930 1 IFP5788_1
WR578831 0.0 UNIFO20020930 1 0.0000 P5788_1 P578815788301
WSRP5788 436.0 0.4897 0.7633 0 0
**
** FNI Change - Modeling at revised priority date to preserve prior appropriation relative to System Operation Modeling
** Actual priority date 09/14/2006
** TXU Kosse Lignite, 5931, 9/29/06, io
**WR593101 0 593120120306 1 2 0.0000 P5931_1 P593115931001 CAMP
COOLEY LTD. STEELE CRK 0782000000 NAEA66 10
WR593101 0 593120060914 1 2 0.0000 P5931_1 P593115931001 CAMP
COOLEY LTD. STEELE CRK 0782000000 NAEA66 10
WS593131 146.6 0.4897 0.7633 0 0
**WR593103 0 593120120306 1 2 0.0000 P5931_3 P593115931003 CAMP
COOLEY LTD. STEELE CRK 0782000000 NAEA66 10
WR593103 0 593120060914 1 2 0.0000 P5931_3 P593115931003 CAMP
COOLEY LTD. STEELE CRK 0782000000 NAEA66 10
WS593133 76.5 0.4897 0.7633 0 0
**WR593105 0 593120120306 1 2 0.0000 P5931_5 P593115931005 CAMP
COOLEY LTD. STEELE CRK 0782000000 NAEA66 10
WR593105 0 593120060914 1 2 0.0000 P5931_5 P593115931005 CAMP
COOLEY LTD. STEELE CRK 0782000000 NAEA66 10
WS593135 174 0.4897 0.7633 0 0
**WR593104 0 593120120306 1 2 0.0000 P5931_4 P593115931004 CAMP
COOLEY LTD. STEELE CRK 0782000000 NAEA66 10
WR593104 0 593120060914 1 2 0.0000 P5931_4 P593115931004 CAMP
COOLEY LTD. STEELE CRK 0782000000 NAEA66 10
WS593134 44 0.4897 0.7633 0 0
**WR593102 1000 593120120306 1 2 0.0000 P5931_2 P593115931002 CAMP
COOLEY LTD. STEELE CRK 0782000000 NAEA66 10
WR593102 1000 593120060914 1 2 0.0000 P5931_2 P593115931002 CAMP
COOLEY LTD. STEELE CRK 0782000000 NAEA66 10
WS593132 1351 0.4897 0.7633 0 0
WS593131 146.6 0.4897 0.7633 0 0
OR593131 1 1
WS593133 76.5 0.4897 0.7633 0 0
OR593133 1 1
WS593135 174 0.4897 0.7633 0 0
OR593135 1 1
WS593134 44 0.4897 0.7633 0 0

```

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



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OR593134      1      1
** FNI Change end
**
** FNI Change - Modeling at revised priority date to preserve prior appropriation relative to System Operation Modeling
** Actual priority date 10/21/2004
**APP 5858
**WR585830    000.    IND320120303    1    0    0.0000    A585800    A5858    TEXAS
MUNICIPAL POWER AGENCY    UNNAMED TRIB    0745651000    BRHE68    10
WR585830    000.    IND320041021    1    0    0.0000    A585800    A5858    TEXAS
MUNICIPAL POWER AGENCY    UNNAMED TRIB    0745651000    BRHE68    10
WSR58580    212.5    0.5228    0.8206    0    0
**WR585831    000.    IND320120303    1    0    0.0000    A585801    A5858    TEXAS
MUNICIPAL POWER AGENCY    UNNAMED TRIB    0745651000    BRHE68    10
WR585831    000.    IND320041021    1    0    0.0000    A585801    A5858    TEXAS
MUNICIPAL POWER AGENCY    UNNAMED TRIB    0745651000    BRHE68    10
WSR58581    82.    0.5228    0.8206    0    0
**WR585832    000.    IND320120303    1    0    0.0000    A585802    A5858    TEXAS
MUNICIPAL POWER AGENCY    UNNAMED TRIB    0745651000    BRHE68    10
WR585832    000.    IND320041021    1    0    0.0000    A585802    A5858    TEXAS
MUNICIPAL POWER AGENCY    UNNAMED TRIB    0745651000    BRHE68    10
WSR58582    1693.    0.5228    0.8206    0    0
**WR585835    000.    IND320120303    1    0    0.0000    A585805    A5858    TEXAS
MUNICIPAL POWER AGENCY    UNNAMED TRIB    0745651000    BRHE68    10
WR585835    000.    IND320041021    1    0    0.0000    A585805    A5858    TEXAS
MUNICIPAL POWER AGENCY    UNNAMED TRIB    0745651000    BRHE68    10
WSR58585    16.0    0.5228    0.8206    0    0
**WR585836    000.    IND320120303    1    0    0.0000    A585806    A5858    TEXAS
MUNICIPAL POWER AGENCY    UNNAMED TRIB    0745651000    BRHE68    10
WR585836    000.    IND320041021    1    0    0.0000    A585806    A5858    TEXAS
MUNICIPAL POWER AGENCY    UNNAMED TRIB    0745651000    BRHE68    10
WSR58586    16.0    0.5228    0.8206    0    0
**WR585838    000.    IND320120303    1    0    0.0000    A585808    A5858    TEXAS
MUNICIPAL POWER AGENCY    UNNAMED TRIB    0745651000    BRHE68    10
WR585838    000.    IND320041021    1    0    0.0000    A585808    A5858    TEXAS
MUNICIPAL POWER AGENCY    UNNAMED TRIB    0745651000    BRHE68    10
WSR58588    316.0    0.5228    0.8206    0    0
**WR585839    000.    IND320120303    1    0    0.0000    A585809    A5858    TEXAS
MUNICIPAL POWER AGENCY    UNNAMED TRIB    0745651000    BRHE68    10
WR585839    000.    IND320041021    1    0    0.0000    A585809    A5858    TEXAS
MUNICIPAL POWER AGENCY    UNNAMED TRIB    0745651000    BRHE68    10
WSR58589    1141.2    0.5228    0.8206    0    0
**WR58583A    000.    IND320120303    1    0    0.0000    A585810    A5858    TEXAS
MUNICIPAL POWER AGENCY    UNNAMED TRIB    0745651000    BRHE68    10
WR58583A    000.    IND320041021    1    0    0.0000    A585810    A5858    TEXAS
MUNICIPAL POWER AGENCY    UNNAMED TRIB    0745651000    BRHE68    10
WSR5858A    38.0    0.5228    0.8206    0    0
** FNI Change end
**
** FNI Change - Modeling at revised priority date to preserve prior appropriation relative to System Operation Modeling
** Actual priority date 05/31/2005
**App 5866, Harris County FCD, 9/29/2005, MT
**IF586631    18095    UNIFO20120304    1    IFA586631
**WR586631    0.0    UNIFO20120304    1    A586631
IF586631    18095    UNIFO20050531    1    IFA586631
WR586631    0.0    UNIFO20050531    1    A586631
WS586631    108.9    0.5228    0.8206
** FNI Change end
**
**Alcoa Inc., App. 12-5816, IO
WR581601    650    5816DI20031027    1    P5816_1    P581615816301
WS R5816    4380
**
**Alcoa Inc.,
WR580331    0.0    ALCOA20030724    1    P580331    P580315803301
WS580331    936    0    0
WR580332    650.0    ALCOA20030724    1    P5803_1    P580315803302
WS580332    13492    0    0
**Ed Johnson, app. 5791, io
IF579101    365    5791IF20021114    1    IFP5791_1
WR579131    0.0    5791DD20021114    1    P579131    P579115791301
WS579131    83.1    0.5228    0.8206    0    0
WR579132    0.0    5791DD20021114    1    P579132    P579115791302
WS579132    6.2    0.5228    0.8206    0    0
WR579101    40.0    5791DD20021114    2    P5791_1    P579115791001
WS579131    83.1    0.5228    0.8206    0    0
OR    1    1
WS579132    6.2    0.5228    0.8206    0    0
OR    1    1
**
** Application 3809, L.P. Reed Ranch
** These reservoirs were not included in the model. The reservoirs were modeled such that water will be taken first
** from the most downstream reservoir and then from the next upstream reservoir, etc., etc.
IF380934    72    UNIFO20020429    1    IF3809_1
WR380931    0    IRR220020429    1    0.0000    P3809_1    P380913809004

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WS REED1	143	0.4897	0.7633						
WR380932	0	IRR220020429		1	0.0000		P3809_2	P380913809004	
WS REED2	76	0.4897	0.7633						
WR380933	0	IRR220020429		1	0.0000		P3809_3	P380913809004	
WS REED3	30	0.4897	0.7633						
WR380935	0	IRR220020429		1	0.0000		P3809_5	P380913809004	
WS REED5	12.7	0.4897	0.7633						
WR380936	0	IRR220020429		1	0.0000		P3809_6	P380913809004	
WS REED6	7	0.4897	0.7633						
WR380934	230	IRR220020429		1	0.0000		P3809_4	P380913809004	
WS REED4	175	0.4897	0.7633	0	0				
WS REED1	143	0.4897	0.7633						
OR380931		1	1						
WS REED3	30	0.4897	0.7633						
OR380933		1	1						
WS REED2	76	0.4897	0.7633						
OR380932		1	1						
WS REED5	12.7	0.4897	0.7633						
OR380935		1	1						
WS REED6	7	0.4897	0.7633						
OR380936		1	1						
** TXU MINING, APPLICATION 5770									
WR577001	53	MIN320020403		1			P5770_1	P577015770001	
**									
**Application 5767, Herman Stroud. Diversion of 99 ac-ft from Brazos River to fill 32.5 ac-ft capacity off-channel reservoir complex & to irrigate. Staff rec. IF.									
IF576701	119155	5767IF20020329		1			IF5767_1		
WR576741	30	57674120020329		1			P5767_1	P576715767001	
WS576741	32.5	0.2710	0.8958						
SO	80	70	576701	1					
**									
** TMAP App 5741, 5783 9/27/02 - JD									
WR573831	0.0	UNIFO20010205		1	2	0.0000	P5738_1	P573815738301	CHAPPELL
HILLS INC Heifer Creek									
WSRP5738	207.95	0.8475	0.6756	0	0				
WR574131	0.0	UNIFO20010524		1	2	0.0000	P5741_1	P574115741301	CHAPPELL
HILLS INC Heifer Creek									
WSRP5741	631.2	0.8475	0.6756	0	0				
WR574132	0.0	UNIFO20010524		1	2	0.0000	P5741_2	P574115741302	CHAPPELL
HILLS INC Heifer Creek									
WSR57412	571.3	0.8475	0.6756	0	0				
** Clark Gardens application 5759									
WR A5759	11.	CLARK20011203		1			P5759_1	P575915759001	CITY
OF MINERAL WELLS ROCK CRK									
WS GRANT	15.	0.4897	0.7633	0				3325000000	BRDE29 3
**									
** GAVRONOVIC, APPLICATION 5752									
** HALE CLAUSE									
IFBRHE68	1216877	5752IF20011018		1	1		IF5752_1		
IF575203	2741	GAVIF20011018		1	1		IF5752_2		
WR575203	1200	575220011018		1			P5752_1	P575215752001	
WS R5752	367.26	0.2710	0.8958						
SO	285	560302							
**									
** SOMERVELL COUNTY WATER DISTRICT									
IF574432	7058	5744IF20010627		1			IF5744_1		
WR574432	5000	MUN420010627		1	1	1	SCWD	P5744_1	P574415744001
TO 3 CONT									
TO -5 MIN 5744W CONT									
TO 10 2975 5000									
SO									
WS 5744P	35.2	0.2710	0.8958						
PX	2	2	515731						
WR574431	2000	MUN220010627		1			P5744_2	P574415744002	
WS 5744W	4118								
SO SCWD									
PX	2	2	515731						
**									
** US ARMY CORPS OF ENGINEERS APPLICATION 5658									
** This water right contains a condition allowing back-up of reservoir 5658D with 1000 af									
** from 516431. As 516431 is owned by BRA and permittee has provided no evidence of									
** a contractual agreement, this special condition is not included in the model.									
IF565801	94093	UNIFO19991018		1			IF5658_1		
WR565837	0	UNIFO19991018		1			P5658_1	P565815658001	
WS 5658D	900	0.4897	0.7633						
SO		1000	565801						
WR565833	0	UNIFO19991018		1			P5658_2	P565815658002	
WS 5658A	80	0.4897	0.7633						
WR565834	0	UNIFO19991018		1			P5658_3	P565815658003	
WS 5658B	30	0.4897	0.7633						
WR565836	0	UNIFO19991018		1			P5658_4	P565815658004	
WS 5658C	98	0.4897	0.7633						
IF565801	0	UNIFO19991018		1			IF5658_2		
**									

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TWDB Contract Number 2100012466

** Application 5665, Paul Weinman. Diversion of 2448 ac-ft from Brazos River to fill off-channel wetlands project. Staff rec. IF.
 ** Application 5665A, Paul Weinman. Change location of point IF measured at. 12/9/02 MT
 **IF5665011325439. IF566520010621 1 IF5665_1
 IFBRR1701352902. IF566520010621 1 IF5665_1
 WR566541 0. D&L420010621 1 P5665_1 P566515665001
 WS R5665 1836
 SO 265.4 2448 566501 1
 **
 ** WR/WS/SO/IF Records added/changed by adding P5686, COASTAL BEND PROPERTY DEVELOPMENT
 IF568601 2741. IFD12920000628 1 IFP5686_1
 WR568641 460.33 IRR420000628 1 2 P5686_1 P568615686001 COASTAL
 BEND PROPERTY DEVELOPMENT CLEAR CRK 3309900000 SJGBC3 12
 WSRP5686 46.69 0.2710 0.8958
 SO 460.33 568601
 **
 ** WR/WS/SO/IF Records added/changed by adding P5729, MICHAEL & FAYE HORTON.
 **IFLEGT47 21247. IFD07620010207 1 IFP5729_1
 A
 **WR572941 60.0 IRR220010207 1 2 0.0000 P5729_1 P572915729001 MICHAEL
 & FAYE HORTON LEON RIVER 2222100000 LEBE49 A 7
 **WSRP5729 48.0 0.2710 0.8958
 **SO 60.0 572901
 **
 ** WR/WS/SO/IF Records added/changed by adding P5714, City of Pearland
 ** Did not model right, because it is a bed and banks right diverting groundwater based effluent.
 **WR571402 109.8 IRR420001027 1 2 0.0000 P5714_1 P571415714002 CITY
 OF PEARLAND MARY'S CRK SJGBC3 12
 **
 ** WR/WS/SO/IF Records added/changed by adding P5692, Walter Exploration Inc.
 ** New right added that is contingent on a water sales contract with BRA.
 IFDMAS09 3367. IFD01120000719 1 IFP5692_1
 WR569204 67. MIN120000719 1 2 0.0000 P5692_1 P569215692004 WALTER
 EXPLORATION INC DBL MTN FRK BRAZOS RIVER 5981000000 BRSE11 1
 **
 WR370331 255. IRR119681125 1 2 0.0000 C3703_1 C370363703001 W
 T MILLEN BLACKWATER DRAW 9900000000 BSLU07 1
 WSRC3703 191. 0.8109 0.6681 0 0
 WR370431 50.0 IRR119620630 1 2 0.0000 C3704_1 C370463704001 ANNA
 M JOHNSTON ET AL BLACKWATER DRAW 9780000000 BSLU07 1
 WSRC3704 105. 0.8109 0.6681 0 0
 ** Combined reservoirs with two priority dates.
 WR370536 0.0 UNIFO19720406 1 2 0.0000 C3705_1 C370563705306 CITY
 OF LUBBOCK YELLOW HOUSE DRAW 9760000000 BSLU07 1
 WSRC3705 557. 0.8109 0.6681 0 0
 WR370536 0.0 UNIFO19740708 1 2 0.0000 C3705_2 C370563705306 CITY
 OF LUBBOCK YELLOW HOUSE DRAW 9760000000 BSLU07 1
 WSRC3705 577. 0.8109 0.6681 0 0
 WR370536 1162.92 IRR119960610 1 2 0.0000 C3705_3 C370563705003 CITY
 OF LUBBOCK YELLOW HOUSE DRAW 9760000000 BSLU07 1
 WSRC3705 577. 0.8109 0.6681 0 0
 ** This right authorizes use of treated effluent created by the City of Lubbock's use of municipal
 ** water transferred from the Canadian River Basin. Do not model because City of Lubbock WWTP does
 ** not discharge downstream.
 **WR398501 4480. IND119830307 1 2 0.0000 P3985_1 P398513985001 CITY
 OF LUBBOCK EFFLUENT 9759000000 BSLU07 1
 **WR398501 18430. IRR119830307 1 2 0.0000 P3985_2 P398513985001 CITY
 OF LUBBOCK EFFLUENT 9759000000 BSLU07 1
 **
 WR370631 0.0 UNIFO19570408 1 2 0.0000 C3706_1 C370663706301 LUBBOCK
 CO WCID 1 N FRK DBL MTN BRAZOS RIVER 9715000000 DMAS09 1
 WSBFSFRG 2281. 0 0
 WR370731 0.0 UNIFO19620416 1 2 0.0000 C3707_1 C370763707301 RANSOM
 CANYON N FRK DBL MTN FRK BRAZOS RIVER 9700000000 DMAS09 1
 WSRC3707 278. 0.8109 0.6681 0 0
 WR370731 150. MUN119720406 1 2 0.0000 C3707_2 C370763707001 RANSOM
 CANYON N FRK DBL MTN FRK BRAZOS RIVER 9700000000 DMAS09 1
 WSRC3707 560. 0.8109 0.6681 0 0
 WR370731 4.0 IRR119800825 1 2 0.0000 C3707_3 C370763707001 RANSOM
 CANYON N FRK DBL MTN FRK BRAZOS RIVER 9700000000 DMAS09 1
 WSRC3707 568. 0.8109 0.6681 0 0
 WR370731 4.0 UNIFO19800825 1 2 0.0000 C3707_4 C370763707001 RANSOM
 CANYON N FRK DBL MTN FRK BRAZOS RIVER 9700000000 DMAS09 1
 WSRC3707 568. 0.8109 0.6681 0 0
 WR370831 120. IRR119660801 1 2 0.0000 C3708_1 C370863708001 DELTON
 CADDELL PLUM CRK 9675000000 DMAS09 1
 WSRC3708 180. 0.8109 0.6681 0 0
 ** Combined three reservoirs with two priority dates.
 WR370941 15.0 IRR119671231 1 2 0.0000 C3709_1 C370963709001 NATHANIEL
 CLARK WOOD JR ET UX N FRK DBL MTN BRAZOS RIVER 9671100000 DMAS09 B 1
 WSRC3709 5.0 0.2710 0.8958 0 0
 WR370941 795. IRR119680417 1 2 0.0000 C3709_2 C370963709001 NATHANIEL
 CLARK WOOD JR ET UX N FRK DBL MTN BRAZOS RIVER 9671100000 DMAS09 1
 WSRC3709 201. 0.2710 0.8958 0 0
 ** This diversion shares off-channel reservoir with WR3709.

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WR366531	50.0	IRR119780731	1	2	0.0000	C3665_1	C366563665001		TRUMAN	
MCKILLIP					CATFISH DRAW		5890500000	RWPL01	1	
WSRC3665	190.0	0.8109	0.6681		0					
WR366631	14.0	IRR119660530	1	2	0.0000	C3666_1	C366663666001		ARVEL	
& ETHEL MAE FLEMING					CATFISH DRAW		5890000000	RWPL01	1	
WSRC3666	14.0	0.8109	0.6681		0					
WR366731	125.0	IRR119680417	1	2	0.0000	C3667_1	C366763667001		"HELEN	
ARLINE ESTLACK, ET VIR"					CATFISH DRAW		5889000000	RWPL01	1	
WSRC3667	125.0	0.8109	0.6681		0					
WR366831	75.0	IRR119680205	1	2	0.0000	C3668_1	C366863668001		"ARLINE	
L. HARTZOG, JR., ET UX"					CATFISH DRAW		5888000000	RWPL01	1	
WSRC3668	75.0	0.8109	0.6681		0					
WR366931	0.0	UNIFO19770606	1	2	0.0000	C3669_1	C366963669001		KUNTZ	
CATTLE COMPANY					RUNNING WATER DRAW		5887700000	RWPL01	1	
WSRC3669	30.0	0.8109	0.6681		0					
WR367032	120.0	IRR119691117	1	2	0.0000	C3670_1	C367063670001		RANDY	
K. AND DEBRA LOU ROBERTS					RUNNING WATER DRAW		5887400000	RWPL01	1	
WSRC3670	90.0	0.8109	0.6681		0					
** The reservoir is shared by 12-3671, 3672, 3673, and 3674.										
WR367131	338.0	IRR119750310	1	2	0.0000	C3671_1	C367163671001		J.W.	
GAMMON					RUNNING WATER DRAW		5887220000	RWPL01	1	
WSRC3671	4427.0	0.8109	0.6681		0					
WR367131	988.0	IRR119750310	1	2	0.0000	C3672_1	C367263672001		A.	
WAYNE CLARK					RUNNING WATER DRAW		5887210000	RWPL01	1	
WSRC3671	4427.0	0.8109	0.6681		0					
WR367131	26.0	IRR119750310	1	2	0.0000	C3674_1	C367463674001		JIM	
ROY DANIEL					RUNNING WATER DRAW		5887200000	RWPL01	1	
WSRC3671	4427.0	0.8109	0.6681		0					
WR367131	1248.0	IRR119750310	1	2	0.0000	C3673_1	C367363673001		R	
J SANDERSON					RUNNING WATER DRAW		5887190000	RWPL01	1	
WSRC3671	4427.0	0.8109	0.6681		0					
** Instream Flow Req: pass inflows up to 0.5 cfs, REMOVED, RESTRICTION FOR DS WRS										
**IF406431	362.0	UNIFO19830711	1			IFP4064_1				
WR406431	60.0	IRR119830711	1	2	0.0000	P4064_1	P406414064001		DAVID	
W SMITH ET UX					RUNNING WATER DRAW		5886850000	RWPL01	1	
WSRP4064	200.0	0.8109	0.6681		0					
WR367531	86.0	IRR119610630	1	2	0.0000	C3675_1	C367563675001		TOM	
MCGILL					RUNNING WATER DRAW		5886800000	RWPL01	1	
WSRC3675	12.0	0.8109	0.6681		0					
WR367631	10.0	IRR119690929	1	2	0.0000	C3676_1	C367663676001		THE	
TWELVE CO A TX CORP					N FRK RUNNING WATER DRAW		5885500000	RWPL01	1	
WSRC3676	10.0	0.8109	0.6681		0					
WR367731	31.0	IRR119700209	1	2	0.0000	C3677_1	C367763677001		WILMA	
LEMONS					N FRK RUNNING WATER DRAW		5885000000	RWPL01	1	
WSRC3677	31.0	0.8109	0.6681		0					
WR367731	31.0	IRR119700209	1	2	0.0000	C3677_2	C367763677001		KEITH	
DAVID LEMONS ET AL					N FRK RUNNING WATER DRAW		5885000000	RWPL01	1	
WSRC3677	31.0	0.8109	0.6681		0					
WR367831	40.0	IRR119681009	1	2	0.0000	C3678_1	C367863678001		ROY	
TAACK					N FRK RUNNING WATER DRAW		5884500000	RWPL01	1	
WSRC3678	10.0	0.8109	0.6681		0					
WR367931	2.5	IRR119730625	1	2	0.0000	C3679_1	C367963679001		L	
D AMERSON					N FRK RUNNING WATER DRAW		5884400000	RWPL01	1	
WSRC3679	2.0	0.8109	0.6681		0					
WR368031	1.2	IRR119780731	1	2	0.0000	C3680_1	C368063680001		K	
W CARSON					N FRK RUNNING WATER DRAW		5884280000	RWPL01	1	
WSRC3680	3.5	0.8109	0.6681		0					
WR368131	1.0	IRR119771219	1	2	0.0000	C3681_1	C368163681001		MARJORIE	
W HECK					RUNNING WATER DRAW		5884100000	RWPL01	1	
WSRC3681	1.2	0.8109	0.6681		0					
WR381301	8.0	IRR119810324	1	2	0.0000	P3813_1	P381313813001		FRANKLIN	
G GABRIEL ET AL					RUNNING WATER DRAW		5884050000	RWPL01	1	
WR368231	28.0	IRR119700401	1	2	0.0000	C3682_1	C368263682001		RANDY	
FALKENBERG ET UX					RUNNING WATER DRAW		5884000000	RWPL01	1	
WSRC3682	28.0	0.8109	0.6681		0					
WR368331	110.0	IRR119760329	1	2	0.0000	C3683_1	C368363683001		HIGH	
PLAINS PAVERS INC					RUNNING WATER DRAW		5883500000	RWPL01	1	
WSRC3683	110.0	0.8109	0.6681		0					
WR368431	80.0	IRR119760315	1	2	0.0000	C3684_1	C368463684001		RICKY	
JOE JAMES					SLATON DRAW		5882970000	RWPL01	1	
WSRC3684	3.0	0.8109	0.6681		0					
WR368531	150.0	IRR119750714	1	2	0.0000	C3685_1	C368563685001		FRED	
KEESE JR					SLATON DRAW		5882900000	RWPL01	1	
WSRC3685	200.0	0.8109	0.6681		0					
WR368531	170.0	IRR119790521	1	2	0.0000	C3685_2	C368563685001		FRED	
KEESE JR					SLATON DRAW		5882900000	RWPL01	1	
WSRC3685	424.0	0.8109	0.6681		0					
** Diversions limited to availability of water from City of Plainview WWTP.										
WR368601	120.0	IRR119761115	1	2	0.0000	C3686_1	C368663686001		BILLY	
H TODD					RUNNING WATER DRAW		5882400000	WRSP02	1	
SO		105371								
** Diversions limited to availability of water from City of Plainview WWTP.										
WR368701	75.0	IRR119761115	1	2	0.0000	C3687_1	C368763687001		GRADY	
D ELLIS					RUNNING WATER DRAW		5882200000	WRSP02	1	

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SO	105371									
** Diversions limited to availability of water from City of Plainview WWTP.										
WR391501	60.0	IRR119820510	1	2	0.0000	P3915_1	P391513915001			TEXAS
DEPT OF CRIMINAL JUSTICE RUNNING WATER DRAW										
WR368801	87.0	IRR119630131	1	2	0.0000	C3688_1	C368863688001			JOEL
B. MITCHELL RUNNING WATER DRAW										
** Diversions limited to availability of water from City of Plainview WWTP.										
WRP40351	200.	IRR119830531	1	2	0.0000	P4035_1	P403514035001			MAURICE
HASTEY RUNNING WATER DRAW										
WR540501	4.0	IRR119920305	1	2	0.0000	P5405_1	P540515405001			HORNE
& OWEN RUNNING WATER DRAW										
WR368931	48.0	IRR119690310	1	2	0.0000	C3689_1	C368963689001			GLENITH
B. AMONETT CRAWFISH DRAW										
WSRC3689	48.0	0.8109	0.6681		0		5872000000	WRSP02	1	
WR369001	2.0	IRR119601231	1	2	0.0000	C3690_1	C369063690001			CHARLES
DONALD SCHULER CRAWFISH DRAW										
WR369131	11.0	IRR119631112	1	2	0.0000	C3691_1	C369163691001			DONNA
H & CLYDE SNOW TRUSTEES CRAWFISH DRAW										
WSRC3691	150.	0.8109	0.6681		0		5870000000	WRSP02	1	
WR369231	29.0	IRR119530512	1	2	0.0000	C3692_1	C369263692001			OTIS
W ENGLISH JR ET AL WHITE RIVER										
WSRC3692	14.5	0.8109	0.6681		0		5860000000	WRSP02	1	
WR369331	4000.	MUN119580922	1	2	0.0000	C3693_1	C369363693001			WHITE
RIVER MWD WHITE RIVER										
WSWHTFRV	10011.				0					
WR369331	2000.	MIN119580922	1	2	0.0000	C3693_2	C369363693001			WHITE
RIVER MWD WHITE RIVER										
WSWHTFRV	10011.				0					
WR369331	0.0	MIN119601121	1	2	0.0000	C3693_3	C369363693001			WHITE
RIVER MWD WHITE RIVER										
WSWHTFRV	10011.				0					
WR369331	0.0	MIN119710816	1	2	0.0000	C3693_4	C369363693001			WHITE
RIVER MWD WHITE RIVER										
WSWHTFRV	10011.				0					
WR369631	260.	IRR119650914	1	2	0.0000	C3696_1	C369663696001			O
J & ELEANORA S BARRON DUCK CRK										
WSRC3696	634.	0.8109	0.6681		0		5847000000	DUGI03	1	
WR369731	0.0	UNIFO19720828	1	2	0.0000	C3697_1	C369763697301			O
J & ELEANORA S BARRON ROCK HOUSE										
WSRC3697	338.	0.8109	0.6681		0		5846500000	DUGI03	1	
WR369831	768.	IRR119660801	1	2	0.0000	C3698_1	C369863698001			O.J.
& ELEANORA S. BARRON COTTONWOOD CRK										
WSRC3698	2249.	0.8109	0.6681		0		5846000000	DUGI03	1	
WR369931	160.	IRR119690602	1	2	0.0000	C3699_1	C369963699001			JOHN
R. & KATHRYN HUNTER DOCKUM CRK										
WSRC3699	437.	0.8109	0.6681		0		5843000000	DUGI03	1	
WR370031	160.	IRR119691117	1	2	0.0000	C3700_1	C370063700001			JESSE
H & RUBY DAUGHERTY DOCKUM CRK										
WSRC3700	168.	0.8109	0.6681		0		5842700000	DUGI03	1	
WR370131	0.0	IRR119251001	1	2	0.0000	C3701_1	C370163701301			COUNTY
OF KENT BACKBONE CRK										
WSRC3701	296.	0.8109	0.6681		0		5840000000	SFPE04	1	
WR370231	0.0	UNIFO19691124	1	2	0.0000	C3702_1	C370263702301			DON
H MURPHY S CAMP HOLLOW										
WSRC3702	850.	0.4897	0.7633		0		5826000000	SFAS06	1	
** Authorized to divert underflow of the Brazos River. Subject to a Water Supply Agreement with the BRA										
** to divert upstream of BRA reservoir. Junior priority of right will not allow it to affect downstream										
** senior rights, so it is included in model at its date of priority.										
WR524201	1552.	MIN119890601	1	2	0.0000	P5242_1	P524215242001			PHILLIPS
PETROLEUM CO BRAZOS RIVER										
WR341131	75.0	IRR119780130	1	2	0.0000	C3411_1	C341163411001			JAMES
C HENDERSON UNKNOWN TRIB										
WSRC3411	114.	0.8109	0.6681		0		5814000000	BRSE11	2	
WR341231	0.0	D&L119770328	1	2	0.0000	C3412_1	C341263412301			ANNE
BURNETT WINDFOHR LTL CROTON CRK										
WSRC3412	248.	0.8109	0.6681		0		5813000000	BRSE11	2	
** Since this right is contingent on a water supply agreement with the Brazos River Authority, it will										
** not be modeled. According to a memo from TNRCC, this point was deleted from the GIS coverage because										
** the contract with BRA has expired. This right will not be modeled.										
**WR515401	941.	MIN119870909	1	2	0.0000	P5154_1	P515415154001			TEX/CON
OIL & GAS CO BRAZOS RIVER										
**WR515401	706.	MIN119890502	1	2	0.0000	P5154_2	P515415154001			TEX/CON
OIL & GAS CO BRAZOS RIVER										
WR341331	182.	IRR119570831	1	2	0.0000	C3413_1	C341363413001			SAMUEL
E CLONTS, ET AL WILD HORSE CRK										
WSRC3413	100.	0.8109	0.6681		0		5811000000	BRSE11	2	
** Authorized to divert underflow of the Brazos River. Subject to a Water Supply Agreement with the BRA										
** to divert upstream of BRA reservoir. Junior priority of right will not allow it to affect downstream										
** senior rights, so it is included in model at its date of priority.										
WR543501	235.	MIN119921105	1	2	0.0000	P5435_1	P543515435001			PLAINS
PETROLEUM OPERATING CO BRAZOS RIVER										

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WR341431	34.0	MUN119290102	1	2	0.0000		C3414_1	C341463414001				CITY
OF BENJAMIN						DUTCHMAN CRK		5810000000	BRSE11	2		
WSRC3414	915.	0.8109	0.6681		0							
WR344031	2000.	IRR119580613	1	2	0.0000		C3440_1	C344063440004				LEAGUE
RANCH						DUTCHMAN CRK		5805000000	BRSE11	2		
WSLDAVIS	3603.											
WR344032	31.0	IRR119650517	1	2	0.0000		C3440_2	C344063440005				LEAGUE
RANCH						DUTCHMAN CRK		5805000000	BRSE11	2		
WSRC3440	1750.	0.8109	0.6681		0							
WR344032	0.0	UNIFO19650517	1	2	0.0000		C3440_3	C344063440001				LEAGUE
RANCH						DUTCHMAN CRK		5805000000	BRSE11	2		
WSRC3440	1750.	0.8109	0.6681		0							
SO						344001 BACKUP						
WR344031	0.0	UNIFO19720515	1	2	0.0000		C3440_4	C344063440004				LEAGUE
RANCH						DUTCHMAN CRK		5805000000	BRSE11	2		
WSLDAVIS	3603.											
WR344032	0.0	UNIFO19720515	1	2	0.0000		C3440_5	C344063440005				LEAGUE
RANCH						DUTCHMAN CRK		5805000000	BRSE11	2		
WSRC3440	2084.	0.8109	0.6681		0							
WR344131	0.0	UNIFO19391218	1	2	0.0000		C3441_1	C344163441301				CITY
OF MUNDAY						PAYNE CRK		5780000000	BRSE11	2		
WSRC3441	150.	0.8109	0.6681		0							
WR344231	50.0	IRR119701123	1	2	0.0000		C3442_1	C344263442001				SEYMOUR
GOLF & COUNTRY CLUB						BRAZOS RIVER		5777000000	BRSE23	2		
WSRC3442	95.0	0.8109	0.6681		0							
WR344302	28.0	IRR119631231	1	2	0.0000		C3443_1	C344363443002				NORTH
CENTRAL TEXAS MWA ET AL						MILLERS CRK		5776010000	BRSE23	2		
WR344431	3500.	MUN119581001	1	2	0.0000		C3444_1	C344463444001				NORTH
CENTRAL TEXAS MWA ET AL						MILLERS CRK		5776000000	BRSE23	2		
WSMLRCRK	16537.											
WR344431	1000.	IND119581001	1	2	0.0000		C3444_2	C344463444001				NORTH
CENTRAL TEXAS MWA ET AL						MILLERS CRK		5776000000	BRSE23	2		
WSMLRCRK	16537.											
WR344431	500.	MIN119581001	1	2	0.0000		C3444_3	C344463444001				NORTH
CENTRAL TEXAS MWA ET AL						MILLERS CRK		5776000000	BRSE23	2		
WSMLRCRK	16537.											
WR344501	31.0	IRR119310831	1	2	0.0000		C3445_1	C344563445001				PATSY
STOUT COOPER ET AL						MILLERS CRK		5775250000	BRSE23	2		
WR344631	9.0	IRR119590902	1	2	0.0000		C3446_1	C344663446001				J
J KEEPER TRUST & CLYDE STUTEVILLE						DRY BOGGY CRK		5751000000	BRSE23	2		
WSRC3446	125.	0.8109	0.6681		0							
WR344701	45.0	IRR119640531	1	2	0.0000		C3447_1	C344763447001				R
T WELLS JR						BOGGY CRK		5750220000	BRSE23	2		
WR344801	45.0	IRR119660228	1	2	0.0000		C3448_1	C344863448001				GEORGE
W WILKINSON						LONG BR CRK		5750200000	BRSE23	2		
WSRC3448	2.0	0.8109	0.6681		0							
WR344931	0.0	D&L119500123	1	2	0.0000		C3449_1	C344963449301				THROCKMORTON
LAND & CATTLE CO						NORTH ELM CRK		5750000000	BRSE23	2		
WSRC3449	705.	0.8109	0.6681		0							
WR345031	600.	MUN119401120	1	2	0.0000		C3450_1	C345063450001				CITY
OF THROCKMORTON						ELM CRK		5720000000	BRSE23	2		
WSRC3450	1675.	0.8109	0.6681		0							
WR345101	26.0	IRR119660831	1	2	0.0000		C3451_1	C345163451001				GEORGE
W WILKINSON						ELM CRK		5700100000	BRSE23	2		
WR345141	27.0	IND119660831	1	2	0.0000		C3451_2	C345163451401				GEORGE
W WILKINSON						ELM CRK		5700100000	BRSE23	2		
** Two reservoirs modeled as a single reservoir.												
WR345232	250.	MUN119661122	1	2	0.0000		C3452_1	C345263452001				CITY
OF NEWCASTLE						WHISKEY CRK		5685000000	BRSE23	2		
WSRC3452	751.	0.8109	0.6681		0							
WR420631	40.0	IRR119270908	1	2	0.0000		C4206_1	C420664206001				TERRY
T POSEY ET UX						CLEAR FRK BRAZOS RIVER		5600100000	CFRO13	2		
WSRC4206	13.0	0.8109	0.6681		0							
WR411531	45.0	IND119581231	1	2	0.0000		C4115_1	C411564115001				H
& H FEEDLOT INC						COTTONWOOD CRK		5594000000	CFHA14	2		
WSRC4115	127.	0.8109	0.6681		0							
WR411601	2.0	IRR119261231	1	2	0.0000		C4116_1	C411664116001				MARJORIE
HAMBRIGHT						COTTONWOOD CRK		5592800000	CFHA14	2		
WR411701	1.0	IRR119551231	1	2	0.0000		C4117_1	C411764117001				DR
HELEN F YEATS						COTTONWOOD CRK		5592600000	CFHA14	2		
WR411931	5.0	IRR119631231	1	2	0.0000		C4119_1	C411964119001				ALFRED
L. CAREY ET UX						COTTONWOOD CRK		5592300000	CFHA14	D 2		
WSRC4119	5.0	0.8109	0.6681		0							
WR411801	8.0	IRR119631231	1	2	0.0000		C4118_1	C411864118001				ZANNA
H ANDERSON						COTTONWOOD CRK		5592250000	CFHA14	2		
WR412031	74.0	IRR119371231	1	2	0.0000		C4120_1	C412064120001				MAX
D. CARRIKER ESTATE ETAL						CLEAR FRK BRAZOS RIVER		5591500000	CFHA14	2		
WSRC4120	15.0	0.8109	0.6681		0							
WR412131	263.	IRR119360531	1	2	0.0000		C4121_1	C412164121001				WILLARD
L. BURK						CLEAR FRK BRAZOS RIVER		5591350000	CFHA14	2		
WSRC4121	26.0	0.8109	0.6681		0							
WR412231	60.0	IRR119621231	1	2	0.0000		C4122_1	C412264122001				MAX
D. CARRIKER ESTATE						CLEAR FRK BRAZOS RIVER		5591000000	CFHA14	2		
WSRC4122	22.0	0.8109	0.6681		0							

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WR414801	5.0	IRR119640831	1	2	0.0000	C4148_1	C414864148001			RILEY
G MAXWELL CO ET AL							5104000000	CFNU16	2	
WR414901	42.0	IRR119630430	1	2	0.0000	C4149_1	C414964149001			NOEL
W. PETRE							5103000000	CFNU16	2	
WR415031	3765.	MUN119271010	1	2	0.0000	C4150_1	C415064150001			CITY
OF ABILENE							5100000000	CFNU16	2	
WS KIRBY	5414.				0					
WR415031	115.	IRR119271010	1	2	0.0000	C4150_2	C415064150001			CITY
OF ABILENE							5100000000	CFNU16	2	
WS KIRBY	5414.				0					
** This part of the right expires March 12, 2004, type A term.										
**WR415031	1120.	IRR119790312	1	2	0.0000	C4150_3	C415064150001			CITY
OF ABILENE							5100000000	CFNU16	A 2	
**WS KIRBY	5414.				0					
** Only model recreation and storage part of the right since the irrigation is based on purchasing										
** water from the City of Abilene.										
WR3721P1	0.0	UNIFO19790312	1	2	0.0000	P3721_1	P372163721301			MCTAN
CORPORATION							5095000000	DMAS09	2	
WSRP3721	128.	0.4897	0.7633		0					
**										
WR415231	230.	MUN119140610	1	2	0.0000	C4152_1	C415264152001			WEST
TEXAS UTILITIES CO.							5040000000	CFNU16	2	
WSRC4152	1184.	0.4897	0.7633		0					
WR415231	0.0	UNIFO19140610	1	2	0.0000	C4152_2	C415264152001			WEST
TEXAS UTILITIES CO.							5040000000	CFNU16	2	
WSRC4152	1184.	0.4897	0.7633		0					
** Do not model. Industrial for emergency standby for power plant use is also authorized under C4153.										
**WR415231	360.	IND119671121	1	2	0.0000	C4152_3	C415264152001			WEST
TEXAS UTILITIES CO.							5040000000	CFNU16	2	
**WSRC4152	1184.	0.4897	0.7633		0					
WR415331	0.0	UNIFO19140610	1	2	0.0000	C4153_1	C415364153001			CITY
OF ABILENE							5035000000	CFNU16	2	
WSRC4153	62.0	0.4897	0.7633		0					
** Do not model diversion amount for emergency standby. It is included with CA 4152.										
**WR415301	360.	IND119671121	1	2	0.0000	C4153_2	C415364153001			CITY
OF ABILENE							5035000000	CFNU16	2	
** Owner authorized to impound 6500 acft of the 73,960 acft in Fort Phantom Hill Reservoir.										
WR416131	2500.	IND119281012	1	2	0.0000	C4151_1	C415164161001			WEST
TEXAS UTILITIES CO.							5030000000	CFNU16	2	
WSFPHNHR	6500.				0					
** Do not model, emergency standby for power plant purposes. Storage only allowed to impound										
** releases from two upstream reservoirs.										
**WR415431	0.0	IND119210512	1	2	0.0000	C4154_1	C415464154001			WEST
TEXAS UTILITIES CO.							5010000000	CFNU16	D 2	
**WSRC4154	10.0	0.8109	0.6681		0					
** Right has a complex instream flow requirement that is not modeled. This instream flow										
** requirement is based on monitoring daily flow quantities passed in various lengths of time.										
** WRAP does not have the capabilities to handle this type of instream flow requirement.										
** Only the constant 30 cfs instream flow requirement is included (Special Condition D.).										
IF413931	21719	UNIFO19490803			1	IFC4139_1				
WR415501	6.0	IRR119591231	1	2	0.0000	C4155_1	C415564155001			RAYMOND
MCNUTT							4935000000	CFNU16	2	
WR415602	5.0	IRR119640531	1	2	0.0000	C4156_1	C415664156002			ROY
ELTON ROBBINS & WIFE							4934500000	CFNU16	2	
WR415701	70.0	IRR119671231	1	2	0.0000	C4157_1	C415764157001			H
C WELCH							4934000000	CFNU16	2	
WR415831	75.0	IRR119441130	1	2	0.0000	C4158_1	C415864158001			ROY
J. GRIFFITH							4933000000	CFNU16	2	
WSRC4158	175.	0.8109	0.6681		0					
WR415931	42.0	IRR119381231	1	2	0.0000	C4159_1	C415964159001			J.
C. GRIFFITH							4932500000	CFNU16	2	
WSRC4159	80.0	0.8109	0.6681		0					
** Modeled as a single on-channel reservoir.										
WR416031	0.0	UNIFO19741015	1	2	0.0000	C4160_1	C416064160301			WOODROW
W. GRIFFITH							4932050000	CFNU16	2	
WSRC4160	94.0	0.8109	0.6681		0					
** Certificates 4139 & 4165 are modeled as BACKUPS to Certificate 4161.										
WR416131	25690.	MUN119370325	1	2	0.0000	C4161_1	ABILFPH64161001			CITY
OF ABILENE							4901000000	CFNU16	2	
WSFPHNHR	63790.				0					
WR416131	4000.	IND119370325	1	2	0.0000	C4161_2	ABILFPH64161001			CITY
OF ABILENE							4901000000	CFNU16	2	
WSFPHNHR	63790.				0					
SO										
WR416131	1000.	IRR119370325	1	2	0.0000	C4161_3	ABILFPH64161001			CITY
OF ABILENE							4901000000	CFNU16	2	
WSFPHNHR	63790.				0					
SO										
**** HDR --- Subordination with PK ****										
WR416131	0.0	MUN119490803	1	2	0.0000	C4139S1	ABILFPH MUNJONE			CITY OF
ABILENE							5190000000	CFNU16	2	
WSFPHNHR	63790.				0					
SO	59862.	30000.	413931		BACKUP					
PX	1									

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WR416131	0.0	MUN119490803	1	2	0.0000	C4139_1	ABILFPH MUNJONE			CITY OF
ABILENE							CLEAR FRK BRAZOS RIVER	5190000000	CFNU16	2
WSFPHNHR	63790.									0
SO	59862.	30000.	413931		BACKUP					
PX	2	2	515531							

WR416131	0.	MUN119540903	1	2	0.0000	C4165_1	ABILFPH64165001			CITY
OF ABILENE							DEADMAN CRK	4890000000	CFNU16	2
WSFPHNHR	63790.									0
SO		3000.	416501		BACKUP					
WR413931	0.	MUN119490803	1	2	0.0000	C4139_2	ABILFPH64139001			CITY
OF ABILENE							DEADMAN CRK		CFNU16	
WSRC4139	608.	0.8109	0.6681							0
WR414103	69.0	IRR119670531	1	2	0.0000	C4141_1	C414164141003			DOLLY
KEESE							ELM CRK	4899750000	CFNU16	2
WR416301	44.0	IRR119591231	1	2	0.0000	C4163_1	C416364163001			BILLY
MAC COOK							CLEAR FRK BRAZOS RIVER	4897500000	CFNU16	2
WR416202	179.	IRR119591231	1	2	0.0000	C4162_1	C416264162002			JAMES
H. ICE							CLEAR FRK BRAZOS RIVER	4897000000	CFNU16	2
WR416401	32.0	IRR119661231	1	2	0.0000	C4164_1	C416464164001			J.
N. MONTGOMERY & WIFE							DEADMAN CRK	4890500000	CFFG18	2
WR416601	32.0	IRR119651231	1	2	0.0000	C4166_1	C416664166001			IRLENE
M SMITH ET AL							DEADMAN CRK	4889500000	CFFG18	D 2
** All water available to this right is treated effluent discharged from City of Abilene treatment plant.										
WR426641	4330.0	IRR119850702	1	2	0.0000	P4266_1	P426614266001			CITY
OF ABILENE							DEADMAN CRK	4888000000	CFFG18	2
WSRP4266	1004.	0.2710	0.8958							0
SO			103341							
WR416731	40.0	MIN119670828	1	2	0.0000	C4167_1	C416764167001			GEOCHEMICAL
SURVEYS							DEADMAN CRK	4887000000	CFFG18	2
WSRC4167	6.4	0.8109	0.6681							0
WR476701	60.0	IRR119611231	1	2	0.0000	C4767_1	C476764767001			FIRST
NATL BK ABILENE ET AL							DEADMAN CRK	4885970000	CFFG18	2
** WR/WS/SO/IF Records added/changed for C4169, RICHARD SCHKADE.										
** Right modified by changing 5 acft from irrigation to mining use.										
WR416901	62.0	IRR119701019	1	2	0.0000	C4169_1	C416964169001			RICHARD
SCHKADE							DEADMAN CRK	4885200000	CFFG18	2
WR416902	5.0	MIN119701019	1	2	0.0000	C4169_2	C416964169002			RICHARD
SCHKADE							DEADMAN CRK	4885200000	CFFG18	2
WR417003	200.	IRR119620731	1	2	0.0000	C4170_1	C417064170003			J
M ALEXANDER RANCH CO LTD							DEADMAN CRK	4885000000	CFFG18	2
WR417111	310.	IRR119181231	1	2	0.0000	C4171_1	C417164171101			MARY
LOIS WILSON							CLEAR FRK BRAZOS RIVER	4872000000	CFFG18	2
WR417202	92.0	IRR119630731	1	2	0.0000	C4172_1	C417264172002			VIOLET
H FRAZIER							CLEAR FRK BRAZOS RIVER	4871000000	CFFG18	2
WR417301	40.0	IRR119650731	1	2	0.0000	C4173_1	C417364173001			VIOLET
H FRAZIER							CLEAR FRK BRAZOS RIVER	4866000000	CFFG18	2
WR417431	0.0	UNIFO19181002	1	2	0.0000	C4174_1	C417464174301			CITY
OF STAMFORD							CLEAR FRK BRAZOS RIVER	4860000000	CFFG18	2
WSRC4174	375.	0.8109	0.6681							0
WR417501	21.0	D&L119260701	1	2	0.0000	C4175_1	C417564175001			H
R STASNEY & SONS LTD							CLEAR FRK BRAZOS RIVER	4800000000	CFFG18	2
WR417531	0.0	D&L119341123	1	2	0.0000	C4175_2	C417564175001			H
R STASNEY & SONS LTD							CLEAR FRK BRAZOS RIVER	4800000000	CFFG18	2
WSRC4175	108.	0.8109	0.6681							0
SO							BACKUP			
WR417501	63.0	MIN119260701	1	1	1.0000	C4175_3	C417564175001			H
R STASNEY & SONS LTD							CLEAR FRK BRAZOS RIVER	4800000000	CFFG18	2
WR417531	0.0	MIN119341123	1	2	0.0000	C4175_4	C417564175001			H
R STASNEY & SONS LTD							CLEAR FRK BRAZOS RIVER	4800000000	CFFG18	2
WSRC4175	108.	0.8109	0.6681							0
SO							BACKUP			
WR417631	120.	IRR119621231	1	2	0.0000	C4176_1	C417664176001			JOSEPH
ELMER COX							STINK CRK	4719000000	CFFG18	D 2
WSRC4176	1.0	0.8109	0.6681							0
WR417731	95.0	IRR119551231	1	2	0.0000	C4177_1	C417764177002			W.
B. GRIFFITH ETAL							PAINT CRK	4718500000	CFFG18	2
WSRC4177	18.0	0.8109	0.6681							0
** Two reservoirs modeled as a single reservoir.										
WR417831	78.0	IRR119551231	1	2	0.0000	C4178_1	C417864178004			EMILEE
G. GOFF ETAL							TRIBS PAINT CRK	4717000000	CFFG18	2
WSRC4178	30.0	0.8109	0.6681							0
** College Lake allowed to release water to supplement Lake Stamford.										
WR417931	10000.	MUN119490608	1	2	0.0000	C4179_1	C417964179001			CITY
OF STAMFORD							PAINT CRK	4620000000	CFFG18	2
WSSTMFDRD	44024.									0
WSRC4179	190.	0.8109	0.6681							0
OR417932										-1
** C4179, amended to allow diversion from a channel dam up to Lake Stamford.										
**Authorized storage of 705 acft in detention pond is not modeled due to special condition stating										
**that all water impounded is to be released as quickly as possible.										
**										
**** HDR - Subordination to PK *****										

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WR417931	0.0	MUN119490608	1	4	R41791	417951	C4179S3	C4179	MUNHASK			CITY OF
STAMFORD						PAINT CRK			4620000000	CFFG18	2	
WSSTMFRD	44024.											
SO		10000.	417933			BACKUP						
PX	1											
WR417931	0.0	MUN119490608	1	4	R41791	417951	C4179_3	C4179	MUNHASK			CITY OF
STAMFORD						PAINT CRK			4620000000	CFFG18	2	
WSSTMFRD	44024.											
SO		10000.	417933			BACKUP						
PX	2		2			515531						

WR417932	0.0	UNIFO19490608	1	2		0.0000	C4179_2	C417964179005				CITY
OF STAMFORD						PAINT CRK		4620000000	CFFG18	2		
WSRC4179	190.	0.8109	0.6681			0						
WR418031	300.	MUN119390303	1	2		0.0000	C4180_1	C418064180001				CITY
OF HAMLIN						DRY CALIFORNIA		4619000000	CAST17	2		
WSRC4180	1900.	0.8109	0.6681			0						
WR418131	542.	MUN119500418	1	2		0.0000	C4181_1	C418164181001				CITY
OF ANSON						THOMPSON		4618600000	CAST17	2		
WSRC4181	2500.	0.4897	0.7633			0						
WR418231	0.0	UNIFO19750303	1	2		0.0000	C4182_1	C418264182301				CITY
OF ANSON						CARTER CRK		4618500000	CAST17	2		
WSRC4182	560.	0.8109	0.6681			0						
** Right contingent upon availability of sewage effluent from the City of Anson. Since												
** discharge records are not available from the City of Anson, remove right.												
**WR418331	150.	IRR119780508	1	2		0.0000	C4183_1	C418364183001				MARSHALL
D. O'DELL						CARTER CRK		4618400000	CAST17	B	2	
**WSRC4183	7.0	0.8109	0.6681			0						
WR418432	7.0	IRR119770725	1	2		0.0000	C4184_1	C418464184002				HASKELL
COUNTRY COUNTRY CLUB						RED CRK		4616900000	CFFG18	2		
WSRC4184	75.0	0.8109	0.6681			0						
IF418502	362.	UNIFO19750714				1						
WR418502	10.0	IRR119750714	1	2		0.0000	C4185_1	C418564185002				ERNEST
D. FINCHER						CLEAR FRK BRAZOS RIVER		4606000000	CFFG18	2		
WR418541	0.0	IRR119750714	1	2		0.0000	C4185_2	C418564185401				ERNEST
D. FINCHER						CLEAR FRK BRAZOS RIVER		4606000000	CFFG18	2		
WSRC4185	10.0	0.8109	0.6681			0						
** Diversions from Clear Fork into the reservoir not allowed May through August.												
WR418631	20.0	IRR119660916	1	2		0.0000	C4186_1	C418664186002				RAYMOND
C TAYLOR ET AL						CLEAR FRK BRAZOS RIVER		4602000000	CFEL22	2		
WSRC4186	60.0	0.8109	0.6681			0						
WR418631	0.0	IRR119660916	1	2		0.0000	C4186_2	C418664186002				RAYMOND
C TAYLOR ET AL						CLEAR FRK BRAZOS RIVER		4602000000	CFEL22	2		
WSRC4186	60.0	0.8109	0.6681			0						
SO		43.	418601			BACKUP						
ML	43.	43.	43.	43.	0.	0.	0.	0.	43.	43.	43.	43.
WR418701	300.	IRR119521231	1	2		0.0000	C4187_1	C418764187001				BRECKENRIDGE
PARTNERSHIP LTD						CLEAR FRK BRAZOS RIVER		4596000000	CFEL22	2		
WR418801	40.0	IRR119141231	1	2		0.0000	C4188_1	C418864188001				T
C HARRIS JR						CLEAR FRK BRAZOS RIVER		4595500000	CFEL22	2		
WR418911	69.0	IRR119580831	1	2		0.0000	C4189_1	C418964189101				BRECKENRIDGE
PARTNERSHIP LTD						CLEAR FRK BRAZOS RIVER		4594500000	CFEL22	2		
WR419001	70.0	IRR119491231	1	2		0.0000	C4190_1	C419064190001				BRECKENRIDGE
PARTNERSHIP LTD						CLEAR FRK BRAZOS RIVER		4594000000	CFEL22	2		
**WR419104	195.	IRR119640531	1	2		0.0000	C4191_1	C419164191004				M
RAY PUCKETT EST ET AL						GIVENS		4591000000	CFEL22	2		
** Bandy application 12-4191, New diversion point diverts 96.4122 out of original 195, jd - 3/30/04												
WR419104	98.5878	IRR119640531	1	2		0.0000	C4191_1	C419164191004				M
RAY PUCKETT EST ET AL						GIVENS		4591000000	CFEL22	2		
WR419105	96.4122	BANDY19640531	1	2		0.0000	C4191_2	C419164191004				M
RAY PUCKETT EST ET AL						GIVENS		4591000000	CFEL22	2		
**												
WR419201	30.0	IRR119151231	1	2		0.0000	C4192_1	C419264192001				MRS.
W. R. POWERS ESTATE						CLEAR FRK BRAZOS RIVER		4589000000	CFEL22	2		
WR419331	0.0	D&L119200413	1	2		0.0000	C4193_1	C419364193301				MONTY
CHRIS CLEVELAND						CLEAR FRK BRAZOS RIVER		4587000000	CFEL22	2		
WSRC4193	165.	0.8109	0.6681			0						
WR419431	60.0	MUN119630314	1	2		0.0000	C4194_1	C419464194001				CITY
OF WOODSON						KINGS CRK		4582000000	CFEL22	2		
WSRC4194	1003.	0.8109	0.6681			0						
WR419501	22.0	IRR119620630	1	2		0.0000	C4195_1	C419564195001				GILBERT
E BRANDENBERGER ET UX						CLEAR FRK BRAZOS RIVER		4569000000	CFEL22	2		
WR419601	18.0	IRR119670520	1	2		0.0000	C4196_1	C419664196001				JOE
DAVIS						CLEAR FRK BRAZOS RIVER		4567000000	CFEL22	2		
WR419701	20.0	IRR119551231	1	2		0.0000	C4197_1	C419764197001				J
W SULLIVAN						CLEAR FRK BRAZOS RIVER		4566000000	CFEL22	2		
WR419831	0.0	D&L119200216	1	2		0.0000	C4198_1	C419864198301				MONTY
CHRIS CLEVELAND						CLEAR FRK BRAZOS RIVER		4560000000	CFEL22	2		
WSRC4198	430.	0.8109	0.6681			0						
WR420831	600.	MUN119410325	1	2		0.0000	C4208_1	C420864208001				CITY
OF ALBANY						SALT PRONG		4543000000	HCAL19	2		
WSRC4208	2600.	0.8109	0.6681			0						
** Diversion and previous reservoir size expired, 200 acft storage is all that remains after expiration.												
** Do not comment out as regular type A term permit.												

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PX 1	WR421331	2000.	D&L119720814	1	2	0.0000		C4213_6	C4213	D&LSTEP			WEST
	CENTRAL TEXAS MWD						HUBBARD	4255000000		HCBR21	A	2	
	WSHUBBRD	314514.				0							
PX 2	WR421331	1200.	IND119570528	1	2	0.0000		C4213S7	C4213	INDSTEP			WEST
	CENTRAL TEXAS MWD						HUBBARD	4255000000		HCBR21		2	
	WSHUBBRD	314514.				0							
PX 1	WR421331	1200.	IND119570528	1	2	0.0000		C4213_7	C4213	INDSTEP			WEST
	CENTRAL TEXAS MWD						HUBBARD	4255000000		HCBR21		2	
	WSHUBBRD	314514.				0							
PX 2	WR421331	6000.	MIN119570528	1	2	0.0000		C4213S8	C4213	MINSTEP			WEST
	CENTRAL TEXAS MWD						HUBBARD	4255000000		HCBR21		2	
	WSHUBBRD	314514.				0							
PX 1	WR421331	6000.	MIN119570528	1	2	0.0000		C4213_8	C4213	MINSTEP			WEST
	CENTRAL TEXAS MWD						HUBBARD	4255000000		HCBR21		2	
	WSHUBBRD	314514.				0							
PX 2	WR421331	2000.	IRR119720814	1	2	0.0000		C4213S9	C4213	IRRSTEP			WEST
	CENTRAL TEXAS MWD						HUBBARD	4255000000		HCBR21	A	2	
	WSHUBBRD	314514.				0							
PX 1	WR421331	2000.	IRR119720814	1	2	0.0000		C4213_9	C4213	IRRSTEP			WEST
	CENTRAL TEXAS MWD						HUBBARD	4255000000		HCBR21	A	2	
	WSHUBBRD	314514.				0							
PX 2	WR421531	6.0	IRR119470731	1	2	0.0000		C4215_1	C421564215001				T.
	C. FAMBRO & SONS						GONZALES CRK	4210100000		CFEL22		2	
	WSRC4215	7.0	0.8109 0.6681			0	0						
	WR421431	2100.	MUN119460426	1	4	R42131 100401		C4214_1	C421464214001				CITY
	OF BRECKENRIDGE						GONZALES CRK	4210000000		CFEL22		2	
	WSDANIEL	9067.				0							
	WR421602	30.0	IRR119660430	1	2	0.0000		C4216_1	C421664216002				SARAH
	SATTERWHITE						GONZALES CRK	4125000000		CFEL22		2	
	WR421731	218.	MIN119750428	1	2	0.0000		C4217_1	C421764217001				SWANSON
	MULESHOE RANCH LTD						BIG CRK	4115010000		CFEL22	B	2	
	WSRC4217	375.	0.8109 0.6681			0	0						
	WR421802	32.0	IRR119550630	1	2	0.0000		C4218_1	C421864218002				JACK
	T ROBERTSON JR						HUBBARD	4083100000		CFEL22		2	
	WR421902	22.0	IRR119451231	1	2	0.0000		C4219_1	C421964219002				ELLA
	PEARL ROBERTSON						HUBBARD	4083050000		CFEL22		2	
	WR422001	39.0	IRR119640430	1	2	0.0000		C4220_1	C422064220001				ELLA
	PEARL ROBERTSON						HUBBARD	4083000000		CFEL22		2	
	WR422101	42.0	IRR119490831	1	2	0.0000		C4221_1	C422164221001				ELLA
	PEARL ROBERTSON						HUBBARD	4082950000		CFEL22		2	
	WR419931	98.0	IRR119241231	1	2	0.0000		C4199_1	C419964199003				OWEN
	D WOODWARD						CLEAR FRK BRAZOS RIVER	4082900000		CFEL22		2	
	WSRC4199	3.0	0.8109 0.6681			0	0						
	WR419931	0.0	IRR119241231	1	2	0.0000		C4199_2	C419964199003				OWEN
	D WOODWARD						CLEAR FRK BRAZOS RIVER	4082900000		CFEL22		2	
	WSRC4199	3.0	0.8109 0.6681			0	0						
	SO	98.	419901				BACKUP						
	WR422201	45.0	IRR119610430	1	2	0.0000		C4222_1	C422264222001				ELLA
	PEARL ROBERTSON						CLEAR FRK BRAZOS RIVER	4055500000		CFEL22		2	
	WR422301	97.0	IND119260601	1	2	0.0000		C4223_1	C422364223001				BRECKENRIDGE
	GASOLINE CO						CLEAR FRK BRAZOS RIVER	3995500000		CFEL22		2	
	WR422431	0.0	UNIFO19200316	1	2	0.0000		C4224_1	C422464224301				BRECKENRIDGE
	GASOLINE CO.						CLEAR FRK BRAZOS RIVER	3970000000		CFEL22		2	
	WSRC4224	454.	0.8109 0.6681			0	0						
	WR422501	30.0	IRR119541231	1	2	0.0000		C4225_1	C422564225001				E
	E RILEY						CLEAR FRK BRAZOS RIVER	3965500000		BRBS23		2	
	WR422601	628.	IRR119610630	1	2	0.0000		C4226_1	C422664226001				SAMUEL
	JOHN ROACH						CLEAR FRK BRAZOS RIVER	3961000000		BRBS23		2	
	WR422701	181.	IRR119460831	1	2	0.0000		C4227_1	C422764227001				"C.
	R. BALDWIN, JR."						CLEAR FRK BRAZOS RIVER	3960500000		BRBS23		2	
	WR416801	15.0	IRR119560531	1	2	0.0000		C4168_1	C416864168001				ZOHN
	MILAM						CLEAR FRK BRAZOS RIVER	3951000000		BRBS23		2	
	WR345301	100.	MIN119601219	1	1	1.0000		C3453_1	C345363453001				PITCOCK
	BROTHERS READY-MIX						BRAZOS RIVER	3832000000		SHGR26		2	
	WR345431	64.0	IRR119650831	1	2	0.0000		C3454_1	C345463454001				ROBERT
	O ANDREWS FAMILY TRUST						SALT CRK	3826000000		GHGH24		2	
	WSRC3454	4.0	0.8109 0.6681			0	0						
** Do not model, because right is contingent on contract with City of Graham.													
	**WR516501	376.	MIN119871222	1	2	0.0000		P5165_1	P516515165001				PARKER&PARSLEY
	DEVELOPMENT CO						SALT CRK	3814000000		NAEA66		2	
	WR345501	76.0	IND119670630	1	2	0.0000		C3455_1	C345563455001				CHARLES
	D CROW & WANDA L CROW						HOWARD CRK	3812800000		GHGH24		2	
	WR345501	6.0	IND119770620	1	2	0.0000		C3455_2	C345563455001				CHARLES
	D CROW & WANDA L CROW						HOWARD CRK	3812800000		GHGH24		2	
	WSRC3455	82.0	0.8109 0.6681			0	0						

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WR345632	59.0	IRR119591231	1	2	0.0000			C3456_1	C345663456002			RONALD
D STEPHENS						SALT CRK			3810000000	GHGH24	2	
WSRC3456	55.0	0.8109	0.6681		0							
WR345732	60.0	IRR119691208	1	2	0.0000			C3457_1	C345763457002			LOUIS
PITCOCK JR ET AL						BRIAR BR			3808500000	GHGH24	2	
WSRC3457	24.0	0.8109	0.6681		0							
WR345911	12.0	IRR119640831	1	2	0.0000			C3459_1	C345963459101			ZACK
BURKETT						SALT CRK			3808250000	GHGH24	2	
WR346001	76.0	IRR119280820	1	2	0.0000			C3460_1	C346063460001			EAFCO
LIMITED PARTNERSHIP						SALT CRK			3807500000	SHGR26	2	
** Model Lakes Eddleman and Graham as a single combined reservoir. Control Point D34583												
** is a dummy control point that utilizes the combined watersheds of both reservoirs.												
WRD34583	4000.	MUN119271121	1	4	R34581	104871		C3458_1	C345863458004			CITY
OF GRAHAM						FLINT CRK			3805000000	GHGH24	2	
WSEDLGRM	4503.				0							
WRD34583	1000.	IND119271121	1	2	0.0000			C3458_2	C345863458004			CITY
OF GRAHAM						FLINT CRK			3805000000	GHGH24	2	
WSEDLGRM	4503.				0							
WRD34583	7000.	MUN119541115	1	4	R34581	104871		C3458_3	C345863458004			CITY
OF GRAHAM						FLINT CRK			3805000000	GHGH24	2	
WSEDLGRM	34410.				0							
WRD34583	7400.	IND119541115	1	2	0.0000			C3458_4	C345863458004			CITY
OF GRAHAM						FLINT CRK			3805000000	GHGH24	2	
WSEDLGRM	34410.				0							
WRD34583	100.	IRR119541115	1	2	0.0000			C3458_5	C345863458004			CITY
OF GRAHAM						FLINT CRK			3805000000	GHGH24	2	
WSEDLGRM	34410.				0							
WRD34583	500.	MIN119541115	3	2	0.0000			C3458_6	C345863458004			CITY
OF GRAHAM						FLINT CRK			3805000000	GHGH24	2	
WSEDLGRM	34410.				0							
WRD34583	0.0	MUN119571116	1	2	0.0000			C3458_7	C345863458004			CITY
OF GRAHAM						FLINT CRK			3805000000	GHGH24	2	
WSEDLGRM	34410.				0							
WR345833	0.0	UNIFO19820208	1	2	0.0000			C3458_8	C345863458003			CITY
OF GRAHAM						FLINT CRK			3805000000	SHGR26	2	
WSRC3458	40.	0.8109	0.6681		0							
WR346101	27.0	IRR119630331	1	2	0.0000			C3461_1	C346163461001			MRS
T T CAMPBELL						SALT CRK			3787000000	SHGR26	2	
WR346231	90.0	MUN119770801	1	2	0.0000			C3462_1	C346263462001			CITY
OF BRYSON						E ROCK CRK			3681000000	SHGR26	2	
WSRC3462	950.	0.8109	0.6681		0							
WR346301	16.0	IRR119631231	1	2	0.0000			C3463_1	C346363463001			LORETTA
JANE LEACH						ROCK CRK			3677000000	SHGR26	2	
** Possum Kingdom												
** FNI change												
** FERC requirements. Using drought index for top 2 tiers												
** make most junior to include releases (although second pass probably would do that), back up storage, limit to inflow (515501)												
IF515531	52897	PKFERC99999999	3	1				IFPOSDOM_UP				
TO	2	MIN			515501							
WSPOSDOM	528007.				0							
OR515531												
PX	2											
** 20 cfs, no drought index												
IF5155IF	26449	PKFERC99999999	3	2				IFPOSDOM_MID				
TO	2	MIN			515501							
WSPOSDOM	528007.				0							
OR515531												
PX	2											
** 20 cfs, no drought index												
IFSHGR26	14491	DAYS99999999	3					IFPOSDOM_20				
TO	2	MIN			515501							
WSPOSDOM	528007.				0							
OR515531												
PX	2											
**** HDR - Subordination WR *****												
WR515531	0.	19380405	1	2	0.0000			C5155_0	C5155	IRRPALO		SUBORDINATION
BRAZOS RIVER									3470000000	SHGR26	3	
WSPOSDOM	528007.				0							
PX	3											
**												
WR515531	0.	MIN219490803	1					C5155BU1	C515565155001			SUBORDINATION
BRAZOS RIVER									3470000000	SHGR26	3	
WSPOSDOM	528007.				0							
BU	0											
PX	2											
WR515531	0.	MIN219811005	1					C5155BU2	C515565155001			SUBORDINATION
BRAZOS RIVER									3470000000	SHGR26	3	
WSPOSDOM	528007.				0							
BU	0											
PX	2											

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WR515531 0. MIN219490608 1				C5155BU3	C515565155001		SUBORDINATION
BRAZOS RIVER			3470000000 SHGR26	3			
WSPOSDOM 528007.			0				
BU 0 0. C4179_3							
PX 2							
WR515531 0. MIN219570528 1				C5155BU4	C515565155001		SUBORDINATION
BRAZOS RIVER			3470000000 SHGR26	3			
WSPOSDOM 528007.			0				
BU 0 0. C4213							
PX 2							

** IBT of 5240 acft/yr to Trinity River Basin at priority of 11/07/1986 (part of system operations)							
** is modeled in Run 8 with loss of priority. Hydroelectric use is authorized as a non-priority right.							
WR515531 1000. MUN219380406 1 2 0.0000 027891				C5155_1	C515565155001		BRAZOS
RIVER AUTHORITY			BRAZOS RIVER		3470000000 SHGR26	3	
WSPOSDOM 528007.			0				
**PX 1							
WR515531 237. MUN219380406 1 2 0.0000				C5155_2	C515565155001		BRAZOS
RIVER AUTHORITY			BRAZOS RIVER		3470000000 SHGR26	3	
WSPOSDOM 528007.			0				
**PX 1							
WR515531 1200. MUN219380406 1 4 R43551 101102				C5155_3	C515565155001		BRAZOS
RIVER AUTHORITY			BRAZOS RIVER		3470000000 SHGR26	3	
WSPOSDOM 528007.			0				
**PX 1							
WR515531 315. MUN219380406 1 4 R51711 106271				C5155_4	C515565155001		BRAZOS
RIVER AUTHORITY			BRAZOS RIVER		3470000000 SHGR26	3	
WSPOSDOM 528007.			0				
**PX 1							
WR515531 473. MUN219380406 1 4 R51711 104101				C5155_5	C515565155001		BRAZOS
RIVER AUTHORITY			BRAZOS RIVER		3470000000 SHGR26	3	
WSPOSDOM 528007.			0				
**PX 1							
WR515531 2051. MUN219380406 1 4 R51711 105685				C5155_6	C515565155001		BRAZOS
RIVER AUTHORITY			BRAZOS RIVER		3470000000 SHGR26	3	
WSPOSDOM 528007.			0				
**PX 1							
WR515531 3549. MUN219380406 1 4 R51711 103751				C5155_7	C515565155001		BRAZOS
RIVER AUTHORITY			BRAZOS RIVER		3470000000 SHGR26	3	
WSPOSDOM 528007.			0				
**PX 1							
WR515531 1499. MUN219380406 1 4 R51711 101731				C5155_8	C515565155001		BRAZOS
RIVER AUTHORITY			BRAZOS RIVER		3470000000 SHGR26	3	
WSPOSDOM 528007.			0				
**PX 1							
WR515531 40753. MUN219380406 1 2 0.0000				C5155_9	C515565155001		BRAZOS
RIVER AUTHORITY			BRAZOS RIVER		3470000000 SHGR26	3	
WSPOSDOM 528007.			0				
**PX 1							
WR515531 5240. MUN219380406 1 2 0.0000				C5155_10	C515565155001		BRAZOS
RIVER AUTHORITY			BRAZOS RIVER		3470000000 SHGR26	3	
WSPOSDOM 528007.			0				
**PX 1							
WR515531 168. IND219380406 1 2 0.0000				C5155_11	C515565155001		BRAZOS
RIVER AUTHORITY			BRAZOS RIVER		3470000000 SHGR26	3	
WSPOSDOM 528007.			0				
**PX 1							
WR515531 107447. IND219380406 1 2 0.0000				C5155_12	C515565155001		BRAZOS
RIVER AUTHORITY			BRAZOS RIVER		3470000000 SHGR26	3	
WSPOSDOM 528007.			0				
**PX 1							
WR515531 371. IND219380406 1 2 0.0000				C5155_13	C515565155001		BRAZOS
RIVER AUTHORITY			BRAZOS RIVER		3470000000 SHGR26	3	
WSPOSDOM 528007.			0				
**PX 1							
WR515531 31538. IND219380406 1 2 0.0000				C5155_14	C515565155001		BRAZOS
RIVER AUTHORITY			BRAZOS RIVER		3470000000 SHGR26	3	
WSPOSDOM 528007.			0				
**PX 1							
WR515531 1273. IRR219380406 1 2 0.0000				C5155_15	C515565155001		BRAZOS
RIVER AUTHORITY			BRAZOS RIVER		3470000000 SHGR26	3	
WSPOSDOM 528007.			0				
**PX 1							
WR515531 840. IRR219380406 1 2 0.0000				C5155_16	C515565155001		BRAZOS
RIVER AUTHORITY			BRAZOS RIVER		3470000000 SHGR26	3	
WSPOSDOM 528007.			0				
**PX 1							
WR515531 10099. IRR219380406 1 2 0.0000				C5155_17	C515565155001		BRAZOS
RIVER AUTHORITY			BRAZOS RIVER		3470000000 SHGR26	3	
WSPOSDOM 528007.			0				
**PX 1							
WR515531 18924. MIN219380406 1 2 0.0000				C5155_18	C515565155001		BRAZOS
RIVER AUTHORITY			BRAZOS RIVER		3470000000 SHGR26	3	
WSPOSDOM 528007.			0				

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**PX 1
WR515531 158. MIN219380406 1 2 0.0000 C5155_19 C515565155001 BRAZOS
RIVER AUTHORITY BRAZOS RIVER 3470000000 SHGR26 3
WSPOSDOM 528007. 0
**PX 1
WR515531 15. MIN219380406 1 2 0.0000 C5155_20 C515565155001 BRAZOS
RIVER AUTHORITY BRAZOS RIVER 3470000000 SHGR26 3
WSPOSDOM 528007. 0
**PX 1
WR515531 3600. HYD219380406 1 2 0.0000 C5155_21 C515565155001
WSPOSDOM 528007. 0
**PX 1
** BRA and Brazos Electric Utilities hold a 3,600 acft/yr contract that represents the firm yield
** lost from Possum Kingdom, Whitney, and Granbury due to FERC instream flow requirements at Possum
** Kingdom. Downstream releases for hydropower generation and contractual commitments will frequently
** satisfy the FERC requirements. Because the WAM does not include downstream releases to contractual
** commitments, inflows would be passed through the reservoir more frequently solely to satisfy the FERC
** requirements. Do not model the the FERC requirements. Instead, include the 3,600 acft/yr contract as part
** of the authorized diversions from the reservoir with 100% returned immediately downstream.
**WRS15531 3600. HYD219380406 3 1 1.0000 515551 C5155_21 C515565155001 BRAZOS
RIVER AUTHORITY BRAZOS RIVER 3470000000 SHGR26 3
**WSPOSDOM 528007. 0
**PX 3
** SysOp Change:
** Calculate the total depletion for water right 5155.
**WRSR5155 19380406 Compute Dep 5155 SYSTEM
**TO 6 1.0 ADD C5155_1 CONT
**TO 6 1.0 ADD C5155_2 CONT
**TO 6 1.0 ADD C5155_3 CONT
**TO 6 1.0 ADD C5155_4 CONT
**TO 6 1.0 ADD C5155_5 CONT
**TO 6 1.0 ADD C5155_6 CONT
**TO 6 1.0 ADD C5155_7 CONT
**TO 6 1.0 ADD C5155_8 CONT
**TO 6 1.0 ADD C5155_9 CONT
**TO 6 1.0 ADD C5155_10 CONT
**TO 6 1.0 ADD C5155_11 CONT
**TO 6 1.0 ADD C5155_12 CONT
**TO 6 1.0 ADD C5155_13 CONT
**TO 6 1.0 ADD C5155_14 CONT
**TO 6 1.0 ADD C5155_15 CONT
**TO 6 1.0 ADD C5155_16 CONT
**TO 6 1.0 ADD C5155_17 CONT
**TO 6 1.0 ADD C5155_18 CONT
**TO 6 1.0 ADD C5155_19 CONT
**TO 6 1.0 ADD C5155_20 CONT
**TO 6 1.0 ADD C5155_21 CONT
**PX 4
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
**WRSR5155 9999999 19380406 Depletion 5155 SYSTEM
**PX 5
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WRS15531 0 19380406 1.0000 5155DP Lumped Dep 5155 SYSTEM 1simdep
**TO 11 1.0 ADD Depletion 5155
**PX 2
**
** Special code to output storage from first simulation
**WRPK_dum 19380406 1simPKstor look
**TO 4 SET POSDOM
**PX 4
**WRPK_dum 9999999 XMONTH19380406 2simPKstor look
**PX 5
** end FNI change
**
WR399901 25.0 IRR219560816 1 2 0.0000 C3999_1 C399963999001 MARVIN
H MCMURREY JR ETAL BRAZOS RIVER 3448000000 BRPP27 3
WR400001 31.0 IRR219630430 1 2 0.0000 C4000_1 C400064000001 CURTIS
MITCHELL BRAZOS RIVER 3427700000 BRDE29 3
WR400101 40.0 IRR219620531 1 2 0.0000 C4001_1 C400164001001 JENNIE
M & M F EWTON BRAZOS RIVER 3427400000 BRDE29 3
WR400231 15.0 IRR219651231 1 2 0.0000 C4002_1 C400264002001 MARJORIE
M YOWELL TRUSTEE TWO BUSH BR 3427300000 BRDE29 3
WSRC4002 200. 0.4897 0.7633 0 0
WR400331 41.0 IRR219740930 1 2 0.0000 C4003_1 C400364003001 MRS
G C MOORE MOORE CRK 3427270000 BRDE29 3
WSRC4003 197. 0.5228 0.8206 0 0
WR400401 5.0 MUN219320318 1 2 0.0000 C4004_1 C400464004001 CITY
OF GRAFORD E FRK KEECHI CRK 3427100000 BRDE29 3
WR400431 50.0 MUN219570201 1 2 0.0000 C4004_2 C400464004001 CITY
OF GRAFORD E FRK KEECHI CRK 3427100000 BRDE29 3

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WSRC4004	50.0	0.5228	0.8206	0	0						
** Two reservoirs modeled as a single reservoir.											
WR400532	781.	IRR219320430		1	2	0.0000	C4005_1	C400564005004			W.
J. RHODES ETAL								3411500000	BRDE29	3	
WSRC4005	250.	0.5228	0.8206	0	0						
WR400601	63.0	IRR219581231		1	2	0.0000	C4006_1	C400664006001			"SAN
ROC, LLC"								3409000000	BRDE29	3	
** Right is contingent upon return flows from City of Mineral Wells under Certificate 4039.											
WR400701	50.0	IRR219760607		1	2	0.0000	C4007_1	C400764007001			MARY
E. RIPPETOE								3408900000	BRDE29	B 3	
SO			105852								
WR400901	24.0	IRR219621231		1	2	0.0000	C4009_1	C400964009001			ERNEST
E. AMMONS								3408600000	BRDE29	3	
WR400901	33.0	IRR219621231		1	2	0.0000	C4010_1	C401064009001			CHARLES
W. & JEAN WELCH								3408500000	BRDE29	3	
WR400801	110.	IRR219560701		1	2	0.0000	C4008_1	C400864008001			W.
A. CAREY								3408250000	BRDE29	3	
WR401101	8.0	IRR219660731		1	2	0.0000	C4011_1	C401164011001			"JACKIE
LEE CHASTAIN, ET AL"								3407500000	BRDE29	3	
WR401431	500.	IRR219260412		1	2	0.0000	C4014_1	C401464014001			FRED
HAGAMAN ET AL								3400000000	PPSA28	3	
WSRC4014	1158.	0.5228	0.8206	0	0						
WR401431	100.	IND219260412		1	2	0.0000	C4014_2	C401464014001			FRED
HAGAMAN ET AL								3400000000	PPSA28	3	
WSRC4014	1158.	0.5228	0.8206	0	0						
WR401501	27.0	IRR219631231		1	2	0.0000	C4015_1	C401564015001			FRED
HAGAMAN ET AL								3394500000	PPSA28	3	
WR401631	22.0	IRR219710517		1	2	0.0000	C4016_1	C401664016001			HUBERT
H CAPPS								3365500000	PPSA28	3	
WSRC4016	12.0	0.5228	0.8206	0	0						
WR401731	40.0	IRR219731119		1	2	0.0000	C4017_1	C401764017001			LYNDAL
D GARNER JR ET UX								3365300000	PPSA28	3	
WSRC4017	188.	0.5228	0.8206	0	0						
** Shares reservoir with C4017. Do not model 48 acft off-channel reservoir, because diversion from											
** on-channel reservoir can be used directly and is insufficient to refill off-channel reservoir											
** in a given year.											
WR401731	40.0	IRR219731119		1	2	0.0000	C4018_1	C401864018001			ROSS
HODGES								3365290000	PPSA28	3	
WSRC4017	188.0	0.5228	0.8206	0	0						
WR401931	160.	MUN219370419		1	2	0.0000	C4019_1	C401964019001			CITY
OF STRAWN								3360000000	PPSA28	3	
WSRC4019	1200.	0.5228	0.8206	0	0						
WR402001	362.	IRR219630215		1	2	0.0000	C4020_1	C402064020001			PERRY
R. HORTON ETAL								3354100000	PPSA28	3	
WR402101	30.0	IRR219710301		1	2	0.0000	C4021_1	C402164021001			R.
J. CARAWAY								3353750000	PPSA28	3	
WR402101	41.0	MIN219710301		1	2	0.0000	C4021_2	C402164021001			R.
J. CARAWAY								3353750000	PPSA28	3	
WR402201	60.0	IRR219630430		1	2	0.0000	C4022_1	C402264022001			PENNY
SPARKS								3353500000	PPSA28	3	
WR402331	30.0	IRR219640430		1	2	0.0000	C4023_1	C402364023001			A.
D. CRAWFORD								3353000000	PPSA28	3	
WSRC4023	30.0	0.5228	0.8206	0	0						
WR402531	60.0	MUN219731015		1	2	0.0000	C4025_1	C402564025002			TARRANT
INVESTMENT CO INC								3350490000	PPSA28	3	
WSRC4025	700.	0.5228	0.8206	0	0						
WR402531	30.0	MIN219731015		1	2	0.0000	C4025_2	C402564025002			TARRANT
INVESTMENT CO INC								3350490000	PPSA28	3	
WSRC4025	700.	0.5228	0.8206	0	0						
WR402531	0.0	UNIFO19731015		1	2	0.0000	C4025_3	C402564025002			TARRANT
INVESTMENT CO INC								3350490000	PPSA28	3	
WSRC4025	700.	0.5228	0.8206	0	0						
WR402531	20.0	MUN219731015		1	2	0.0000	C4026_1	C402664026001			"THURBER
LAKE RESORT, INC."								3350485000	PPSA28	3	
WSRC4025	700.	0.5228	0.8206	0	0						
WR402531	0.0	UNIFO19731015		1	2	0.0000	C4026_2	C402664026001			"THURBER
LAKE RESORT, INC."								3350485000	PPSA28	3	
WSRC4025	700.	0.5228	0.8206	0	0						
WR402731	80.0	IRR219650120		1	2	0.0000	C4027_1	C402764027001			JACK
R DAUGHERTY								3350000000	PPSA28	3	
WSRC4027	969.	0.5228	0.8206	0	0						
WR402431	115.	MUN219730604		1	2	0.0000	C4024_1	C402464024001			CITY
OF GORDON								3349500000	PPSA28	3	
WSRC4024	698.	0.5228	0.8206	0	0						
WR402432	45.0	MUN219780522		1	2	0.0000	C4024_2	C402464024002			CITY
OF GORDON								3349500000	PPSA28	3	
WSLC4024	60.0	0.5228	0.8206	0	0						
WR402431	245.	MUN219911031		1	2	0.0000	C4024_3	C402464024001			CITY
OF GORDON								3349500000	PPSA28	3	
WSRC4024	1023.	0.5228	0.8206	0	0						
WR402831	38.0	IRR219330531		1	2	0.0000	C4028_1	C402864028003			J
L MCDANIEL								3348750000	PPSA28	3	
WSRC4028	30.0	0.5228	0.8206	0	0						

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WR402931	2.0	IRR219700105	1	2	0.0000		C4029_1	C402964029001			"EARL
WADDELL, INC."						DRY CRK		3348200000	PPSA28	3	
WSRC4029	26.0	0.5228	0.8206		0						
WR403031	0.0	UNIFO19770207	1	2	0.0000		C4030_1	C403064030301			"EARL
WADDELL, INC."						JOE'S CRK		3347500000	PPSA28	3	
WSRC4030	307.	0.5228	0.8206		0						
WR403201	16.0	IRR219650731	1	2	0.0000		C4032_1	C403264032001			CHARLIE
RAY COCKBURN						PALO PINTO CRK		3346000000	PPSA28	3	
** Four reservoirs combined into one single reservoir.											
WR403331	0.0	IND219720626	1	2	0.0000		C4033_1	C403364033001			JAMES
R. & JANICE MOORE						PALO PINTO CRK		3345800000	PPSA28	3	
WSRC4033	24.0	0.5228	0.8206		0						
WR403331	0.0	IND219720626	1	2	0.0000		C4033_2	C403364033001			JAMES
R. & JANICE MOORE						PALO PINTO CRK		3345800000	PPSA28	3	
WSRC4033	24.0	0.5228	0.8206		0						
SO		12. 403301				BACKUP					
WR403401	30.0	IRR219550331	1	2	0.0000		C4034_1	C403464034001			J
L MCDANIEL						BIG SUNDAY		3345710000	PPSA28	3	
WR403501	5.0	IRR219631231	1	2	0.0000		C4035_1	C403564035001			J.
E. MCDANIEL						BIG SUNDAY		3345700000	PPSA28	3	
WR403631	55.0	IRR219771011	1	2	0.0000		C4036_1	C403664036001			"EARL
WADDELL, INC."						PANAMA CRK		3345550000	PPSA28	3	
WSRC4036	139.	0.5228	0.8206		0						
WR403701	100.	IRR219650430	1	2	0.0000		C4037_1	C403764037001			ROY
E SQUYRES ET AL						PALO PINTO CRK		3344500000	PPSA28	3	
WR403801	150.	IRR219640531	1	2	0.0000		C4038_1	C403864038001			HERMAN
PETTY						PALO PINTO CRK		3339500000	BRDE29	3	
** Total diversion amount of this right in conjunction with the C4039 is limited to 16,000 acft/yr.											
** The 1153 acft reservoir associated with P5447 is not included in operations with Lake Palo Pinto.											
** Returns apportioned to control points according to permitted discharge amounts.											
WR403131	5200.	MUN219620703	1	4	R40311 105852		C4031_1	C403164031001			PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3	
WSPLPNT0	25365.				0						
WR403131	2800.	MUN219620703	1	4	R40311 105851		C4031_2	C403164031001			PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3	
WSPLPNT0	25365.				0						
WR403131	1300.	MUN219620703	1	4	R40311 105852		C4031_3	C403164031001			PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3	
WSPLPNT0	25365.				0						
WR403131	700.	MUN219620703	1	4	R40311 105851		C4031_4	C403164031001			PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3	
WSPLPNT0	25365.				0						
WR403131	3480.	IND219620703	1	2	0.0000		C4031_5	C403164031001			PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3	
WSPLPNT0	25365.				0						
WR403131	0.0	MUN219640908	1	2	0.0000		C4031_6	C403164031001			PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3	
WSPLPNT0	25365.				0						
WR403132	0.	MUN219640908	1	2	0.0000		C4031_7	C403164031002			PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	BRDE29	3	
WSCD4031	24.0	0.5228	0.8206		0						
WR401201	236.	IRR219640930	1	2	0.0000		C4012_8	C401264012001			EARL
W. & ANITA GARDNER						PALO PINTO CRK AND BRAZOS RIVER		3335500000	BRDE29	3	
** IF states owner shall not divert water from the Brazos River during the period											
** June 1 through September 30 inclusive unless USGS gauge at Richmond is											
** equal to or greater than 1000 cfs. The 7 reservoirs were lumped together into 3 separate reservoirs.											
** The right is set up to use these reservoirs as backups since they are not allowed to refill from											
** the Brazos.											
IFBRR170	241987.	IFD03119471114					IFC4013_1				
WR401304	1329.	IRR219471114	1	2	0.0000		C4013_1	C401364013004			ROCKING
W RANCH LP						BRAZOS RIVER		3330000000	BRDE29	3	
WR401333	0.	IRR219471114	1	2	0.0000		C4013_2	C401364013007			ROCKING
W RANCH LP						BRAZOS RIVER		3330000000	BRDE29	3	
WS1C4013	442.	0.5228	0.8206		0						
SO						BACKUP					
WR401335	0.	IRR219471114	1	2	0.0000		C4013_3	C401364013009			ROCKING
W RANCH LP						BRAZOS RIVER		3330000000	BRDE29	3	
WS2C4013	120.	0.5228	0.8206		0						
SO						BACKUP					
WR401337	0.	IRR219471114	1	2	0.0000		C4013_4	C401364013011			ROCKING
W RANCH LP						BRAZOS RIVER		3330000000	BRDE29	3	
WS3C4013	84.	0.5228	0.8206		0						
SO						BACKUP					
IFBRR170	0	IFD03119471114					IFC4013_2				
** This reservoir is associated with C4031, but not used in the operations of that system.											
WR544731	0.0	UNIFO999999999	1	2	0.0000		P5447_1	P544715447301			PALO
PINTO M W D #1						UNNAMED TRIB		3328000000	BRDE29	3	
WSRP5447	1153.	0.5228	0.8206		0						
WR403931	1092.	MUN219201115	1	4	R40311 105852		C4039_1	C403964039001			CITY
OF MINERAL WELLS						ROCK CRK		3325000000	BRDE29	3	
WSMNR17L	5144.				0						
WR403931	588.	MUN219201115	1	4	R40311 105851		C4039_2	C403964039001			CITY
OF MINERAL WELLS						ROCK CRK		3325000000	BRDE29	3	
WSMNR17L	5144.				0						

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WR403931	546.	MUN219430322	1	4	R40311	105852		C4039_3	C403964039001				CITY
OF MINERAL WELLS					ROCK CRK				3325000000	BRDE29	3		
WSMNRWL	5144.					0							
WR403931	294.	MUN219430322	1	4	R40311	105851		C4039_4	C403964039001				CITY
OF MINERAL WELLS					ROCK CRK				3325000000	BRDE29	3		
WSMNRWL	5144.					0							
WR404031	8.0	IRR219661031	1	2	0.0000			C4040_1	C404064040001				DELMAR
& MARTHA JANE KING					UNNAMED TRIB				3314500000	BRDE29	3		
WS1C4040	10.0	0.5228	0.8206			0							
WR404032	30.0	IRR219820426	1	2	0.0000			C4040_2	C404064040002				DELMAR
& MARTHA JANE KING					UNNAMED TRIB				3314500000	BRDE29	3		
WS2C4040	50.0	0.5228	0.8206			0							
WR404131	8.0	IRR219650831	1	2	0.0000			C4041_1	C404164041001				R
E WALDEN					DRY CRK				3314150000	BRDE29	3		
WSRC4041	8.0	0.5228	0.8206			0							
WR404231	42.0	IRR219650831	1	2	0.0000			C4042_1	C404264042001				R
E WALDEN					DRY CRK				3314000000	BRDE29	3		
WSRC4042	30.0	0.5228	0.8206			0							
**WR386201	45.0	IND219820222	1	2	0.0000			P3862_1	P386213862001				BERNARR
N PRITCHARD ET UX					DRY CRK				3313200000	BRDE29	A 3		
**WR386241	0.0	IND219820222	1	2	0.0000			P3862_2	P386213862001				BERNARR
N PRITCHARD ET UX					DRY CRK				3313200000	BRDE29	A 3		
WSRP3862	17.3	0.5228	0.8206			0							
** WSA - This right is contingent on a water supply agreement with the BRA for 90 acft municipal.													
** Because priority is junior to Lake Granger, this right will have no effect on Lake Granger.													
WR5164P1	90.0	MUN219871211	1	2	0.0000			P5164_1	P516415164001				MILLSAP
WATER SUPPLY CORP					WILSON CRK				3313010000	BRDE29	3		
WSRONNIE	215.	0.5228	0.8206			0							
WR404331	100.	IRR219700817	1	2	0.0000			C4043_1	C404364043001				H.
L. BRANSON					HILL CRK				3306000000	BRDE29	3		
WSRC4043	162.	0.5228	0.8206			0							
WR404401	149.	IRR219570731	1	2	0.0000			C4044_1	C404464044001				D.
C. WOODRUFF					BRAZOS RIVER				3301000000	BRDE29	3		
WR404501	75.0	IRR219581231	1	2	0.0000			C4045_1	C404564045001				LARRY
& DAVID NASH					BRAZOS RIVER				3298620000	BRGR30	3		
WR404601	69.0	IRR219601231	1	2	0.0000			C4046_1	C404664046001				KENNETH
W. FULLER					BRAZOS RIVER				3298600000	BRGR30	3		
WR404701	290.	IRR219641031	1	2	0.0000			C4047_1	C404764047001				ADELAIDE
ELIZABETH BIGGS					BRAZOS RIVER				3298000000	BRGR30	3		
WR404831	25.0	IRR219761108	1	2	0.0000			C4048_1	C404864048001				H
D HOWARD					KICKAPOO CRK				3296700000	BRGR30	3		
WSRC4048	105.	0.5228	0.8206			0							
WR404831	35.0	MUN219761108	1	2	0.0000			C4048_2	C404864048001				H
D HOWARD					KICKAPOO CRK				3296700000	BRGR30	3		
WSRC4048	105.	0.5228	0.8206			0							
WR404831	0.0	MUN219761108	1	2	0.0000			C4048_3	C404864048001				H
D HOWARD					KICKAPOO CRK				3296700000	BRGR30	3		
WSRC4048	105.	0.5228	0.8206			0							
WR405031	23.0	IRR219640430	1	2	0.0000			C4050_1	C405064050001				FRED
L THORMANN					KICKAPOO CRK				3296000000	BRGR30	3		
WSRC4050	2.0	0.5228	0.8206			0							
WR404932	12.0	IRR219640430	1	2	0.0000			C4049_1	C404964049002				FRED
L THORMANN					KICKAPOO CRK				3295900000	BRGR30	3		
WSRC4049	2.0	0.5228	0.8206			0							
WR405101	166.	IRR219541231	1	2	0.0000			C4051_1	C405164051001				GRACE
W CARTWRIGHT ET AL					BRAZOS RIVER				3294500000	BRGR30	3		
WR405332	0.0	UNIFO19750113	1	2	0.0000			C4053_1	C405364053302				WESTERN
LAKE EST. OWNERS ASSN.					HART CRK				3294440000	BRGR30	3		
WSRC4053	238.	0.5228	0.8206			0							
** Combined three off-channel reservoirs into one.													
** Added mining diversion													
WR405241	760.	IRR219540731	1	2	0.0000			C4052_1	C405264052001				TXI
OPERATIONS LP					BRAZOS RIVER				3294400000	BRGR30	3		
WSRC4052	3.0	0.2710	0.8958			0							
SO					760. 405201								
WR405202	0.	MIN219540731	1	2	0.0000			C4052_2	C405264052002				TXI
OPERATIONS LP					BRAZOS RIVER				3294400000	BRGR30	3		
WR405401	12.15	IRR219620731	1	2	0.0000			C4054_1	C405464054001				JESSE
T CROWDER JR TRUST					BRAZOS RIVER				3293120000	BRGR30	3		
WR405401	26.85	IRR219620731	1	2	0.0000			C4054_2	C405464054001				JOHN
WESSLER ET AL					BRAZOS RIVER				3293120000	BRGR30	3		
WR405501	42.0	IRR219550731	1	2	0.0000			C4055_1	C405564055001				MCI
LAND COMPANY					LONG CRK				3293000000	BRGR30	3		
** Changed diversion location to most downstream diversion point													
WR411404	300.	IRR219550731	1	2	0.0000			C4114_1	C411464114004				THOMAS
BROTHERS GRASS LTD					LONG CRK				3292990000	BRGR30	3		
WR405631	144.	IRR219670831	1	2	0.0000			C4056_1	C405664056001				"BANK
ONE TEXAS NA, TRUSTEE"					STAR HOLLOW				3292900000	BRGR30	3		
WSRC4056	1454.	0.5228	0.8206			0							
WR405701	109.	IRR219620630	1	2	0.0000			C4057_1	C405764057001				MARY
L & C W KILLOUGH					BRAZOS RIVER				3292660000	BRGR30	D 3		
WR405901	35.0	IRR219631231	1	2	0.0000			C4059_1	C405964059001				HELEN
T DURHAM ESTATE					BRAZOS RIVER				3292600000	BRGR30	3		

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WR406101	65.0	IRR219560531	1	2	0.0000			C4061_1	C406164061001			BURTON
S BURKS SR ET AL						BRAZOS RIVER			3292580000 BRGR30	D	3	
WR405831	0.0	UNIFO19761220	1	2	0.0000			C4058_1	C405864058301			OAK
TRAIL OWNERS ASSOCIATION						UNNAMED TRIB			3292570000 BRGR30		3	
WSRC4058	24.0	0.5228	0.8206	0	0							
** Changed diversion location to new diversion point												
WR406204	383.	IRR219551231	1	2	0.0000			C4062_1	C406264062004			THOMAS
FAMILY TRUST						BRAZOS RIVER			3292550000 BRGR30	D	3	
WR406301	348.	IRR219630731	1	2	0.0000			C4063_1	C406364063001			FRED
GRIMES ET AL						BRAZOS RIVER			3292400000 BRGR30		3	
** 172 acft of this right was severed and transferred to C4072.												
WR406401	25.	IRR219631231	1	2	0.0000			C4064_1	C406464064001			BURTON
S BURKS JR						BRAZOS RIVER			3291750000 BRGR30	D	3	
WR407201	172.	IRR219631231	1	2	0.0000			C4072_2	C407264072001			JAMES
E ANTHONY ET AL						BRAZOS RIVER			3289100000 BRGR30		5	
WR406001	616.	IRR219500731	1	2	0.0000			C4060_1	C406064060001			LORENE
DURHAM ESTATE ET AL						BRAZOS RIVER			3291530000 BRGR30	D	3	
WR406631	0.0	UNIFO19761220	1	2	0.0000			C4066_1	C406664066301			COMANCHE
HARBOR OWNERS ASSOC						BRAZOS RIVER			3291450000 BRGR30		3	
WSRC4066	43.0	0.5228	0.8206	0	0							
WR406501	84.0	IRR219630831	1	2	0.0000			C4065_1	C406564065001			ROBERT
& C J WHITEHEAD						BRAZOS RIVER			3291440000 BRGR30	D	3	
WR406701	63.0	IRR219561231	1	2	0.0000			C4067_1	C406764067001			COURTS
K CLEVELAND JR						BRAZOS RIVER			3291430000 BRGR30	D	3	
WR406801	72.0	IRR219670731	1	2	0.0000			C4068_1	C406864068001			COLLIE
W OLIVER						BRAZOS RIVER			3291370000 BRGR30	D	3	
WR406931	120.	IRR219741021	1	2	0.0000			C4069_1	C406964069001			WALKER
MURRAY RANDLE						WALNUT CRK			3291310000 BRGR30		3	
WSRC4069	160.	0.5228	0.8206	0	0							
WR385131	17.0	IRR219811212	1	2	0.0000			P3851_1	P385113851001			WALNUT
CR FARMS OF GRANBURY						IKE BR			3291250000 BRGR30		3	
WSRP3851	17.0	0.4897	0.7633	0	0							
WR407001	141.	IRR219560831	1	2	0.0000			C4070_1	C407064070001			LESLIE
L. MABERY						BRAZOS RIVER			3291200000 BRGR30	D	3	
WR407101	83.0	IRR219560831	1	2	0.0000			C4071_1	C407164071001			R
E MABERY						BRAZOS RIVER			3291150000 BRGR30	D	3	
WR346631	0.	UNIFO19760112	1	2	0			C3466_1	C346663466301			CITY
OF EASTLAND						N FRK LEON RIVER			2530030000 LEDL43		4	
WSRC3466	144.	0.5228	0.8206	0	0							
WR346531	450.	MUN219191028	1	4	R34701 106371			C3465_1	C346563465001			EASTLAND
CO WSD						N FRK LEON RIVER			2530000000 LEDL43		4	
WSRC3465	1740.	0.5228	0.8206	0	0							
WR346531	50.	IND219191028	1	2	0			C3465_2	C346563465001			CITY
OF EASTLAND						N FRK LEON RIVER			2530000000 LEDL43		4	
WSRC3465	1740.	0.5228	0.8206	0	0							
WR346531	100.	IRR219191028	1	2	0			C3465_3	C346563465001			CITY
OF EASTLAND						N FRK LEON RIVER			2530000000 LEDL43		4	
WSRC3465	1740.	0.5228	0.8206	0	0							
WR346731	12.	IRR219651231	1	2	0			C3467_1	C346763467001			WAYNE
HARGRAVE, ET UX						S FRK LEON RIVER			2515000000 LEDL43		4	
WSRC3467	12.	0.5228	0.8206	0	0							
WR346831	1607.	MIN219191215	1	2	0			C3468_1	C346863468001			EASTLAND
INDUSTRIAL FOUNDATION						LEON RIVER			2500000000 LEDL43		4	
WSRC3468	1607.	0.5228	0.8206	0	0							
WR347431	30.	IRR219690428	1	2	0			C3474_1	C347463474001			JERRY
P MEHAFFEY						LEON RIVER			2498200000 LEDL43		4	
WSRC3474	30.	0.5228	0.8206	0	0							
WR347531	8.	IRR219690526	1	2	0			C3475_1	C347563475001			C
M PIPPIN JR						LEON RIVER			2498000000 LEDL43		4	
WSRC3475	60.	0.5228	0.8206	0	0							
WR346931	21.	IRR219670821	1	2	0			C3469_1	C346963469001			LARRY
MORROW						UNNAMED TRIB			2494000000 LEDL43	B	4	
WSRC3469	23.	0.5228	0.8206	0	0							
** The 1931 priority water has access to Lake Leon, but can not refill the reservoir at 1931												
** priority date.												
** Returns divided between City of Eastland (0.9 MGD) and return flow point identified by TNRC.												
WR347031	810.	MUN219520321	1	4	R34701 106371			C3470_1	C347063470001			EASTLAND
CO WSD						LEON RIVER			2491000000 LEDL43		4	
WSLKLEON	26080.											
WR347031	455.	MUN219520321	1	2	0.0000			C3470_2	C347063470001			EASTLAND
CO WSD						LEON RIVER			2491000000 LEDL43		4	
WSLKLEON	26080.											
WR347031	1560.	MUN219520321	1	4	R34701 106371			C3470_3	C347063470001			EASTLAND
CO WSD						LEON RIVER			2491000000 LEDL43		4	
WSLKLEON	26080.											
WR347031	877.5	MUN219520321	1	2	0.0000			C3470_4	C347063470001			EASTLAND
CO WSD						LEON RIVER			2491000000 LEDL43		4	
WSLKLEON	26080.											
WR347031	1118.	MUN219860325	1	4	R34701 106371			C3470_5	C347063470001			EASTLAND
CO WSD						LEON RIVER			2491000000 LEDL43		4	
WSLKLEON	26080.											
WR347031	629.5	MUN219860325	1	2	0.0000			C3470_6	C347063470001			EASTLAND
CO WSD						LEON RIVER			2491000000 LEDL43		4	
WSLKLEON	26080.											

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WR347031	350.	IND219860325	1	2	0	C3470_7	C347063470001			EASTLAND
CO WSD		LEON RIVER					2491000000	LEDL43	4	
WSLKLEON	26080.				0					
WR347031	500.	IRR219860325	1	2	0	C3470_8	C347063470001			EASTLAND
CO WSD		LEON RIVER					2491000000	LEDL43	4	
WSLKLEON	26080.				0					
** Two authorized reservoirs modeled as a single reservoir at downstream CP.										
**WR347132	50.	IRR219771011	1	2	0	C3471_1	C347163471002			GLYNN
A WILSON		N COLONY CRK					2490500000	LEDL43	A 4	
**WSR34711	115.	0.5228	0.8206		0					
**WR347132	50.	IRR219910401	1	2	0	C3471_2	C347163471002			GLYNN
A WILSON		N COLONY CRK					2490500000	LEDL43	A 4	
**WSR34711	240.	0.5228	0.8206		0					
** Expired										
**WR347231	103.	IRR219740528	1	2	0	C3472_1	C347263472001			R.V.
ROBINSON		COLONY CRK					2476000000	LEDL43	A 4	
**WSRC3472	169.	0.5228	0.8206		0					
WR347331	40.	IRR219691027	1	2	0	C3473_1	C347363473001			RONNIE
LOVE		ELM CRK					2471000000	LEDL43	4	
WSRC3473	45.	0.5228	0.8206		0					
WR347931	30.	IRR219660405	1	2	0	C3479_1	C347963479001			TEDDY
J SNIDER ET UX		NASH CRK					2469000000	LEDL43	4	
WSRC3479	16.	0.5228	0.8206		0					
WR348031	0.	D&L219771031	1	2	0	C3480_1	C348063480001			SAUL
PULLMAN		NASH CRK					2468900000	LEDL43	4	
WSRC3480	60.	0.5228	0.8206		0					
WR348131	25.	IRR219680729	1	2	0	C3481_1	C348163481001			WILL
D BROWN ET UX		NASH CRK					2468750000	LEDL43	4	
WSRC3481	40.	0.5228	0.8206		0					
** Two authorized reservoirs modeled as a single reservoir at downstream CP.										
WR348232	13.	IRR219640731	1	2	0	C3482_1	C348263482002			JOHNNY
W & MARY C EAVES		NASH CRK					2468660000	LEDL43	4	
WSRC3482	25.	0.5228	0.8206		0					
WR348331	90.	IRR219690721	1	2	0	C3483_1	C348363483001			D
B WARREN		UNNAMED TRIB LEON RIVER					2468600000	LEDL43	4	
WSRC3483	244.	0.5228	0.8206		0					
WR348431	40.	IRR219700513	1	2	0	C3484_1	C348463484001			MURTICE
C RODGERS		UNNAMED TRIB LEON RIVER					2468570000	LEDL43	4	
WSRC3484	50.	0.5228	0.8206		0					
**WR348531	148.	IRR219730102	1	2	0	C3485_1	C348563485001			H
L PERRIN ET UX		SALT CRK					2468530000	LEDL43	A 4	
**WSRC3485	350.	0.5228	0.8206		0					
**WR348631	150.	IRR219751020	1	2	0	C3486_1	C348663486001			RONNIE
N LOVE ET UX		SALT CRK					2468520000	LEDL43	A 4	
**WSC34861	170.	0.5228	0.8206		0					
**WR348633	0.	IRR219751020	1	2	0	C3486_2	C348663486003			RONNIE
N LOVE ET UX		SALT CRK					2468520000	LEDL43	A 4	
**WSC34863	15.	0.5228	0.8206		0					
**SO		BACKUP								
**WR348632	0.	IRR219751020	1	2	0	C3486_3	C348663486002			RONNIE
N LOVE ET UX		SALT CRK					2468520000	LEDL43	A 4	
**WSC34862	40.	0.5228	0.8206		0					
**SO		BACKUP								
**WR5274P1	25.	IRR219891213	1	2	0	P5274_1	P527415274001			J
R GRIMSHAW ET UX		ROUGH CRK					2468500000	LEDL43	A 4	
**WSRP5274	40.	0.5228	0.8206		0					
WR348731	40.	IRR219680219	1	2	0	C3487_1	C348763487001			D
B WARREN		LEON RIVER					2468400000	LEDL43	4	
WSRC3487	48.	0.5228	0.8206		0					
WR348831	30.	IRR219690922	1	2	0	C3488_1	C348863488001			HELEN
L DICKSON		ELLISON CRK					2468370000	LEDL43	4	
WSRC3488	100.	0.5228	0.8206		0					
WR348931	140.	IRR219691013	1	2	0	C3489_1	C348963489001			THOMAS
H BIRDSONG, III		UNNAMED TRIB					2468350000	LEDL43	A 4	
WSRC3489	323.	0.5228	0.8206		0					
** Expired										
**WR348931	80.	IRR219770103	1	2	0	C3489_2	C348963489001			THOMAS
H BIRDSONG, III		UNNAMED TRIB					2468350000	LEDL43	A 4	
**WSRC3489	323.	0.5228	0.8206		0					
WR349031	60.	IRR219670605	1	2	0	C3490_1	C349063490001			JOHN
J HOLLAND		PANTHER CRK					2468200000	LEDL43	4	
WSRC3490	60.	0.5228	0.8206		0					
WR349231	52.	IRR219670821	1	2	0	C3492_1	C349263492001			G
D LINDLEY		LEON RIVER					2467380000	LEDL43	4	
WSRC3492	52.	0.5228	0.8206		0					
WR349331	35.	IRR219700427	1	2	0	C3493_1	C349363493001			EDDIE
LINDLEY		LEON RIVER					2467200000	LEDL43	4	
WSRC3493	35.	0.5228	0.8206		0					
WR349431	140.	IRR219710322	1	2	0	C3494_1	C349463494001			MOODY
B KOONCE		LEON RIVER					2467150000	LEDL43	4	
WSRC3494	140.	0.5228	0.8206		0					
WR349531	94.	IRR219670523	1	2	0	C3495_1	C349563495001			MOODY
B KOONCE		LEON RIVER					2467100000	LEDL43	4	
WSRC3495	94.	0.5228	0.8206		0					

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WR349631	21.	IRR219681028	1	2	0	C3496_1	C349663496001			NANNIE
LEE THOMPSON							2467000000	LEDL43	4	
WSRC3496	50.	0.5228	0.8206	0	0					
** Shares reservoir authorized in C3498.										
WR349831	50.	IRR219750728	1	2	0	C3497_1	C349763497001			HERRALD
ABELS							2466920000	LEDL43	4	
WSRC3498	189.	0.5228	0.8206	0	0					
WR349831	100.	IRR219701214	1	2	0	C3498_1	C349863498001			RAYMOND
L GILDER							2466900000	LEDL43	4	
WSRC3498	189.	0.5228	0.8206	0	0					
WR349931	3.	IRR219510831	1	2	0	C3499_1	C349963499001			N
L BOX							2466800000	LEDL43	4	
WSRC3499	25.	0.5228	0.8206	0	0					
WR350001	24.	IRR219660430	1	2	0	C3500_1	C350063500001			OBBCO
RANCH CORPORATION							2466550000	LEDL43	4	
**WR393431	25.	IRR219821108	1	2	0	P3934_1	P393413934001			TROY
MORRIS ET UX							2466545000	LEHS45	A	4
**WSRP3934	25.	0.5228	0.8206	0	0					
WR350131	65.	IRR219710322	1	2	0	C3501_1	C350163501001			HAROLD
D HIGGINBOTTOM							2466540000	LEDL43	4	
WSRC3501	70.	0.5228	0.8206	0	0					
** Owner must store groundwater in reservoir equal to his diversion.										
** Modeled as zero surface water use since groundwater must replace diversion.										
**WR350231	0.	IRR219780130	1	2	0	C3502_1	C350263502001			DONALD
K SELTZER							2466530000	LEHS45	A	4
**WSRC3502	64.	0.5228	0.8206	0	0					
** Modeled both authorized reservoirs as a single reservoir at the downstream location.										
**WR350331	45.	IRR219770228	1	2	0	C3503_1	C350363503001			HAROLD
LEE MORRIS ET UX							2466520000	LEHS45	A	4
**WSRC3503	45.	0.5228	0.8206	0	0					
WR350431	20.	IRR219680408	1	2	0	C3504_1	C350463504001			ELMER
RAY JOINER							2466000000	LEHS45	4	
WSRC3504	20.	0.5228	0.8206	0	0					
WR350531	36.	IRR219680722	1	2	0	C3505_1	C350563505001			WAYNE
MOORE ET UX							2465900000	LEHS45	4	
WSRC3505	36.	0.5228	0.8206	0	0					
WR350631	3.	IRR219630331	1	2	0	C3506_1	C350663506001			J
V STEWART							2465800000	LEHS45	4	
WSRC3506	10.	0.5228	0.8206	0	0					
** Expired										
**WR350831	45.	IRR219790212	1	2	0	C3508_1	C350863508001			OBBCO
RANCH CORPORATION							2465500000	LEHS45	A	4
**WSRC3508	45.	0.5228	0.8206	0	0					
WR351101	73.	IRR219660831	1	2	0	C3511_1	C351163511001			A
D MCCLELLAN							2465000000	LEHS45	4	
WR351201	6.	IRR219631231	1	2	0	C3512_1	C351263512001			JIMMY
DALE JOHNSON							2464500000	LEHS45	4	
WR351631	0.	D&L219720501	1	2	0	C3516_1	C351663516301			RUBY
JOHNSON							2458310000	LEHS45	4	
WSRC3516	292.	0.5228	0.8206	0	0					
** Expired										
**WR351531	168.	IRR219720501	1	2	0	C3515_1	C351563515001			ROBERT
JESS HOFFMAN							2458300000	LEHS45	A	4
**WSRC3515	292.	0.5228	0.8206	0	0					
WR351431	7.	IRR219660801	1	2	0	C3514_1	C351463514001			GAINES
OIL COMPANY							2458100000	LEHS45	4	
WSRC3514	198.	0.5228	0.8206	0	0					
WR351731	250.	IRR219680729	1	2	0	C3517_1	C351763517001			MERLE
JO PARKS TRUSTEE							2457000000	LEHS45	4	
WSRC3517	266.	0.5228	0.8206	0	0					
WR351831	110.	IRR219670808	1	2	0	C3518_1	C351863518001			KELLER-
HYDEN INC							2455000000	LEHS45	4	
WSRC3518	135.	0.5228	0.8206	0	0					
WR351931	25.	IRR219700615	1	2	0	C3519_1	C351963519001			GARY
D BEARD ET AL							2450000000	LEHS45	4	
WSRC3519	35.	0.5228	0.8206	0	0					
WR352031	40.	IRR219670911	1	2	0	C3520_1	C352063520001			BEN
HAMNER							2435000000	SADL44	4	
WSRC3520	67.	0.5228	0.8206	0	0					
WR352131	40.	IRR219690505	1	2	0	C3521_1	C352163521001			TRUETT
& PATSY S PRUILL							2429500000	SADL44	4	
WSRC3521	138.	0.5228	0.8206	0	0					
** Modeled both authorized reservoirs as a single reservoir at the downstream location.										
WR352231	7.	IRR219650731	1	2	0	C3522_1	C352263522001			JAMES
L HUGHES							2429450000	SADL44	4	
WSRC3522	10.	0.5228	0.8206	0	0					
WR352331	20.	IRR219690609	1	2	0	C3523_1	C352363523001			ROBERT
M & IMOGENE BURNS							2429400000	SADL44	4	
WSRC3523	22.	0.5228	0.8206	0	0					
** Modeled both authorized reservoirs as a single reservoir at the downstream location.										
**WR352431	25.	IRR219751208	1	2	0	C3524_1	C352463524001			JULIA
BETH COOK ET AL							2429380000	SADL44	A	4
**WSRC3524	55.	0.5228	0.8206	0	0					

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WR354231	0.	UNIFO19760428	1	2	0			C3542_1	C354263542301			NABORS
LAKE DEVELOPMENT CORP				FADE CRK					2427900000	SADL44	4	
WSRC3542	450.	0.5228 0.8206			0							
IFSADL44	1448.	UNIFO19700504			1		IFC3543_1					
WR354341	28.	IRR219700504	1	2	0			C3543_1	C354363543001			HELEN
SUE WILSON				SABANA RIVER					2427500000	LEHS45	4	
WSRC3543	29.	0.5228 0.8206			0							
SO		29. 354301										
ML	19.	16.	19.	18.	19.	18.	0.	0.	0.	0.	18.	19.
WR354401	17.	IRR219641231	1	2	0			C3544_1	C354463544001			JIM
LAMPMAN ET AL				SABANA RIVER					2426500000	LEHS45	4	
WR354031	90.	IRR219670425	1	2	0			C3540_1	C354063540002			SPRUIILL
BROTHERS DRILLING CO				SABANA RIVER					2426000000	LEHS45	4	
WSR3540S	80.	0.5228 0.8206			0							
WR354032	0.	IRR219670425	1	2	0			C3540_2	C354063540003			SPRUIILL
BROTHERS DRILLING CO				SABANA RIVER					2426000000	SADL44	4	
WSR3540N	73.	0.5228 0.8206			0							
SO				BACKUP								
WR354031	0.	IRR219670731	1	2	0			C3540_3	C354063540002			SPRUIILL
BROTHERS DRILLING CO				SABANA RIVER					2426000000	LEHS45	4	
WSR3540S	80.	0.5228 0.8206			0							
SO		23. 354001										
** Expired												
**WR354531	15.	IRR219771031	1	2	0			C3545_1	C354563545001			R
D WALKER				SABANA RIVER					2425990000	LEHS45	A 4	
**WSRC3545	20.	0.5228 0.8206			0							
** On and off channel reservoirs modeled as a single on-channel reservoir.												
WR354631	7.5	IRR219650731	1	2	0			C3546_1	C354663546002			E
A WALKER				SABANA RIVER					2425920000	LEHS45	4	
WSRC3546	11.	0.5228 0.8206			0							
WR354631	1.5	IRR219710426	1	2	0			C3546_2	C354663546002			E
A WALKER				SABANA RIVER					2425920000	LEHS45	4	
WSRC3546	11.	0.5228 0.8206			0							
WR354731	70.	IRR219680401	1	2	0			C3547_1	C354763547001			A
G LEE				SABANA RIVER					2425500000	LEHS45	4	
WSRC3547	74.	0.5228 0.8206			0							
WR354831	166.	IRR219650517	1	2	0			C3548_1	C354863548001			SEBORN
E GOLDEN				HENDERSON BR					2425000000	LEHS45	4	
WSRC3548	166.	0.5228 0.8206			0							
WR354931	42.	IRR219680520	1	2	0			C3549_1	C354963549001			T
A NOWLIN				TURKEY CRK					2424000000	LEHS45	4	
WSRC3549	42.	0.5228 0.8206			0							
WR355031	60.	IRR219670911	1	2	0			C3550_1	C355063550001			THOMAS
A LEE JR ET UX				SABANA RIVER					2423000000	LEHS45	4	
WSRC3550	60.	0.5228 0.8206			0							
**WR355131	30.	IRR219751215	1	2	0			C3551_1	C355163551001			BOBBY
W STRAUB				UNNAMED TRIB					2422000000	LEHS45	A 4	
**WSRC3551	48.	0.5228 0.8206			0							
WR355231	80.	IRR219710607	1	2	0			C3552_1	C355263552001			J
V SKAGGS				SABANA RIVER					2420080000	LEHS45	4	
WSRC3552	126.	0.5228 0.8206			0							
**WR507331	60.	IRR219860708	1	2	0			P5073_1	P507315073001			THOMAS
RANDOLPH SIMPSON				SABANA RIVER					2420050000	LEHS45	A 4	
**WSRP5073	60.	0.5228 0.8206			0							
WR355331	53.	IRR219660613	1	2	0			C3553_1	C355363553001			LEE
ROY COTTON				SABANA RIVER					2420000000	LEHS45	4	
WSRC3553	53.	0.5228 0.8206			0							
WR355431	25.	IRR219690630	1	2	0			C3554_1	C355463554001			E
J TERRY				SABANA RIVER					2419000000	LEHS45	4	
WSRC3554	30.	0.5228 0.8206			0							
**WR355531	100.	IRR219780522	1	2	0			C3555_1	C355563555001			JERRY
SOLOMON				UNNAMED TRIB					2418200000	LEHS45	A 4	
**WSRC3555	100.	0.5228 0.8206			0							
WR355731	7.5	IRR219680415	1	2	0			C3556_1	C355663556001			GAYLE
MCGINNIS				SABANA RIVER					2418010000	LEHS45	4	
WSRC3557	105.	0.5228 0.8206			0							
WR355731	97.5	IRR219680415	1	2	0			C3557_1	C355763557001			LAKE
PROCTOR IRR AUTH				SABANA RIVER					2418000000	LEHS45	4	
WSRC3557	105.	0.5228 0.8206			0							
WR355801	12.	IRR219610731	1	2	0			C3558_1	C355863558001			STEVEN
MARK BIGGS ET AL				SOWELLS CRK					2415910000	LEHS45	4	
**IF380831	217.	UNIFO19801203						1				IFP3808_1
A												
**WR380831	1060.	IRR219801203	1	2	0			P3808_1	P380813808001			MARY
FRAZIER CLARK ET AL				COPPERAS (RUSH) CRK					2415400000	LEHS45	A 4	
**WSRP3808	1271.	0.5228 0.8206			0							
**IF384431	724.	UNIFO19801110						1				IFP3844_1
A												
**WR384431	156.	IRR219801110	1	2	0			P3844_1	P384413844002			CUSTER
D SWIFT ET AL				COPPERAS (RUSH) CRK					2415380000	LEHS45	A 4	
**WSRP3844	421.	0.5228 0.8206			0							
**WR384431	246.	IRR219801110	1	2	0			P3844_2	P384413844002			WINNIE
D ANDERSON				COPPERAS (RUSH) CRK					2415380000	LEHS45	A 4	
**WSRP3844	421.	0.5228 0.8206			0							

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WR356031	0.	D&L219751208	1	2	0	C3560_1	C356063560301			CHARLES
BOB & DEALVA SNELL					UNNAMED TRIB		2415290000	LEHS45	4	
WSRC3560	35.	0.5228	0.8206	0	0					
** Expired										
**WR356131	248.	IRR219740624	1	2	0	C3561_1	C356163561001			ROBERT
S BUTLER					SIPE SPRING BR		2415200000	LEHS45	A 4	
**WSRC3561	267.	0.5228	0.8206	0	0					
** Expired										
**WR356231	56.	IRR219720424	1	2	0	C3562_1	C356263562001			ROBERT
S BUTLER					COPPERAS (RUSH) CRK		2415150000	LEHS45	A 4	
**WSRC3562	39.	0.5228	0.8206	0	0					
** Expired										
**WR356331	100.	IRR219750630	1	2	0	C3563_1	C356363563001			ROBERT
S BUTLER					COPPERAS (RUSH) CRK		2415100000	LEHS45	A 4	
**WSRC3563	150.	0.5228	0.8206	0	0					
** Expired										
**WR356531	150.	IRR219740128	1	2	0	C3565_1	C356563565001			ROBERT
S BUTLER					COPPERAS (RUSH) CRK		2414850000	LEHS45	A 4	
**WSRC3565	236.	0.5228	0.8206	0	0					
WR356731	0.	UNIF019740903	1	2	0	C3567_1	C356763567301			BYRON
R GIBSON					COPPERAS (RUSH) CRK		2414590000	LEHS45	4	
WSRC3567	81.	0.5228	0.8206	0	0					
**WR518731	15.	IRR219880628	1	2	0	P5187_1	P518715187001			C
B SNELL					S COPPERAS CRK		2414200000	LEHS45	A 4	
**WSRP5187	15.	0.5228	0.8206	0	0					
** Model 2	off-channel reservoirs and one on-channel as single combined on-channel reservoir.									
WR356831	50.	IRR219700917	1	2	0	C3568_1	C356863568001			ALICE
MAE JONES					STAGG CRK		2414110000	LEHS45	4	
WSR35681	50.	0.5228	0.8206	0	0					
WR356931	10.	IRR219720207	1	2	0	C3569_1	C356963569001			HEARSHEL
JANES					STAGG CRK		2414080000	LEHS45	4	
WSRC3569	10.	0.5228	0.8206	0	0					
WR357231	140.	IRR219680318	1	2	0	C3572_1	C357263572001			A
T GILCHREST					COPPERAS (RUSH) CRK		2414000000	LEHS45	4	
WSRC3572	140.	0.5228	0.8206	0	0					
WR357201	0.	IRR219760223	1	2	0	C3572_2	C357263572001			A
T GILCHREST					COPPERAS (RUSH) CRK		2414000000	LEHS45	4	
**WR357331	60.	IRR219720508	1	2	0	C3573_1	C357363573001			G
H BINGHAM DBA 4B FARMS					COPPERAS (RUSH) CRK		2413250000	LEHS45	A 4	
**WSRC3573	115.	0.5228	0.8206	0	0					
**WR525531	75.	IRR219890828	1	2	0	P5255_1	P525515255001			GLORIA
JEAN DUKES					COPPERAS (RUSH) CRK		2412800000	LEHS45	A 4	
**WSRP5255	150.	0.5228	0.8206	0	0					
WR388031	0.0	UNIF019820322	1	2		P3880_1	P388013880301			LYNDELL
F COAN ET AL					UNNAMED TRIC OF COPPERAS (RUSH) CRK		2412750001	LEHS45	4	
WSRP3880	60.	0.5228	0.8206	0	0					
** Expired										
**WR357431	90.	IRR219750818	1	2	0	C3574_1	C357463574001			KENNETH
KEITH & MAX KEITH					UNNAMED TRIB		2412750000	LEHS45	A 4	
**WSRC3574	100.	0.5228	0.8206	0	0					
WR357501	16.	IRR219550430	2	2	0	C3575_1	C357563575001			BOBBY
N HUDDLESTON					COPPERAS (RUSH) CRK		2412700000	LEHS45	4	
**WR357532	130.	IRR219720925	1	2	0	C3575_2	C357563575003			BOBBY
N HUDDLESTON					COPPERAS (RUSH) CRK		2412700000	LEHS45	A 4	
**WSRC3575	244.	0.5228	0.8206	0	0					
**WR357501	0.	IRR219750908	1	2	0	C3575_3	C357563575001			BOBBY
N HUDDLESTON					COPPERAS (RUSH) CRK		2412700000	LEHS45	A 4	
WR357941	32.	IRR219690731	1	2	0	C3579_1	C357963579001			T.A.
NOWLIN					COPPERAS (RUSH) CRK		2412500000	LEHS45	4	
WSRC3579	50.	0.2710	0.8958	0	0					
SO	32.	357901								
** Two off-channel reservoirs (11 & 18 acft) not modeled.										
**IF357801	724.	UNIF019741111				1				IFC3578_1
A										
**WR357831	700.	IRR219741111	1	2	0	C3578_1	C357863578003			PECAN
VALLEY NUT COMPANY ET AL					COPPERAS (RUSH) CRK		2412200000	LEHS45	A 4	
**WSRC3578	800.	0.5228	0.8206	0	0					
**WR358031	70.	IRR219720424	1	2	0	C3580_1	C358063580001			G
E BINGHAM ET AL					BEATTIE BR		2412140000	LEHS45	A 4	
**WSRC3580	150.	0.5228	0.8206	0	0					
WR358131	65.	IRR219700105	1	2	0	C3581_1	C358163581001			ELDON
WADE BUTLER					COPPERAS (RUSH) CRK		2412100000	LEHS45	4	
WSRC3581	75.	0.5228	0.8206	0	0					
** Modeled both authorized reservoirs as a single reservoir.										
WR358441	30.	IRR219591231	1	2	0	C3584_1	C358463584001			JULIA
JO BAXTER					MARTINS CRK		2411400000	LEHS45	4	
WSRC3584	8.	0.5228	0.8206	0	0					
SO	30.	358401			BACKUP					
** Diversion taken from 960 acft capacity reservoir permitted under WR3586.										
WR358631	23.	IRR219701013	1	2	0	C3585_1	C358563586001			WAYNE
D GILLIAM					UNNAMED TRIB		2411320000	LEHS45	4	
WSRC3586	960.	0.5228	0.8206	0	0					
**WR358532	10.	IRR219730730	1	2	0	C3585_2	C358563585002			WAYNE
D GILLIAM					UNNAMED TRIB		2411320000	LEHS45	A 4	

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**WSRC3585	4.1	0.5228	0.8206	0	0								
**WR358503	0.	IRR219800902		1	2	0	C3585_3	C358563585003					WAYNE
D GILLIAM				UNNAMED TRIB				2411320000	LEHS45	A	4		
**WSRC3585	17.39	0.5228	0.8206	0	0								
**WR358532	7.	IRR219850806		1	2	0	C3585_4	C358563585002					WAYNE
D GILLIAM				UNNAMED TRIB				2411320000	LEHS45	A	4		
**WSRC3585	17.39	0.5228	0.8206	0	0								
**WR426401	40.	IRR219850618		1	2	0	P4264_1	P426414264001					GEORGE
BINGHAM ET AL				MARTINS CRK				2411310000	LEHS45	A	4		
**WR541631	10.	IRR219920415		1	2	0	P5416_1	P541615416001					DON
P CHESTER, ET UX				MARTINS BR				2411305000	LEHS45	A	4		
**WSRP5416	13.	0.5228	0.8206	0	0								
** Use authorized from permitted reservoir under WRs 3585, 3586, 3587,3588, 3589, and 3590.													
WR358631	154.	IRR219701013		1	2	0	C3586_1	C358663586001					DON
P CHESTER ET UX				MARTINS CRK				2411300000	LEHS45	B	4		
WSRC3586	960.	0.5228	0.8206	0	0								
** Record to account for different priority dates for combined diversion.													
**WR358601	0.	IRR219771019		1	2	0	C3586_2	C358663586001					DON
P CHESTER ET UX				MARTINS CRK				2411300000	LEHS45	B	4		
** Diversion taken from 960 acft capacity reservoir permitted under WR3586.													
WR358631	195.	IRR219701013		1	2	0	C3587_1	C358763587001					GEORGE
E BINGHAM ET AL				MARTINS CRK				2411280000	LEHS45		4		
WSRC3586	960.	0.5228	0.8206	0	0								
WR358631	0.	UNIFO19701013		1	2	0	C3587_2	C358763587001					GEORGE
E BINGHAM ET AL				MARTINS CRK				2411280000	LEHS45		4		
WSRC3586	960.	0.5228	0.8206	0	0								
** Diversion taken from 960 acft capacity reservoir permitted under WR3586.													
WR358631	29.	IRR219701013		1	2	0	C3588_1	C358863588001					BILLY
J. GRESSETT, ET AL				MARTINS CRK				2411260000	LEHS45		4		
WSRC3586	960.	0.5228	0.8206	0	0								
WR358631	0.	UNIFO19701013		1	2	0	C3588_2	C358863588001					BILLY
J. GRESSETT, ET AL				MARTINS CRK				2411260000	LEHS45		4		
WSRC3586	960.	0.5228	0.8206	0	0								
** Diversion taken from 960 acft capacity reservoir permitted under WR3586.													
WR358631	185.	IRR219701013		1	2	0	C3589_1	C358963589001					LOUIS
G & BETTY HARELIK				MARTINS CRK				2411240000	LEHS45		4		
WSRC3586	960.	0.5228	0.8206	0	0								
WR358631	0.	UNIFO19701013		1	2	0	C3589_2	C358963589001					LOUIS
G & BETTY HARELIK				MARTINS CRK				2411240000	LEHS45		4		
WSRC3586	960.	0.5228	0.8206	0	0								
** Diversion taken from 960 acft capacity reservoir permitted under WR3586.													
WR358631	322.	IRR219701013		1	2	0	C3590_1	C359063590001					CLIFTON
D & FRANKIE GEYE				MARTINS CRK				2411220000	LEHS45	B	4		
WSRC3586	960.	0.5228	0.8206	0	0								
WR358631	0.	UNIFO19701013		1	2	0	C3590_2	C359063590001					CLIFTON
D & FRANKIE GEYE				MARTINS CRK				2411220000	LEHS45	B	4		
WSRC3586	960.	0.5228	0.8206	0	0								
WR359231	109.	IRR219670423		1	2	0	C3592_1	C359263592001					LEON
Y NICHOLS				SODA SPRINGS BR				2411000000	LEHS45		4		
WSRC3592	110.	0.5228	0.8206	0	0								
WR359401	16.	IRR219710222		1	2	0	C3594_1	C359463594001					WOLFE
PECANLANDS INC				COPPERAS (RUSH) CRK				2410720000	LEHS45		4		
WSRC3594	40.	0.5228	0.8206	0	0								
WR359331	8.	IRR219650630		1	2	0	C3593_1	C359363593001					VERA
MULL				COPPERAS (RUSH) CRK				2410700000	LEHS45		4		
WSRC3593	25.	0.5228	0.8206	0	0								
WR359331	17.	IRR219690630		1	2	0	C3593_2	C359363593001					VERA
MULL				COPPERAS (RUSH) CRK				2410700000	LEHS45		4		
WSRC3593	25.	0.5228	0.8206	0	0								
WR359541	10.	IRR219560415		1	2	0	C3595_1	C359563595001					REX
MCGINNIS				COPPERAS (RUSH) CRK				2410600000	LEHS45		4		
WSRC3595	4.	0.2710	0.8958	0	0								
SO	10.	359501											
WR359631	280.	IRR219690825		1	2	0	C3596_1	C359663596001					R
C PINKARD				SWEETWATER CRK				2410500000	LEHS45		4		
WSRC3596	400.	0.5228	0.8206	0	0								
** Reservoir shared jointly by CA's 3597, 3598, 3599, 3600,and 3601.													
WR359831	0.	UNIFO19720207		1	2	0	C3597_1	C359763597301					J
F REED				JIMMIES CRK				2410490000	LEHS45		4		
WSRC3598	657.	0.5228	0.8206	0	0								
WR359831	0.	UNIFO19720207		1	2	0	C3598_1	C359863598301					JOE
MCENTIRE & JOHN MCENTIRE				JIMMIES CRK				2410480000	LEHS45		4		
WSRC3598	657.	0.5228	0.8206	0	0								
WR359831	0.	UNIFO19720207		1	2	0	C3599_1	C359963599301					JOE
J MCENTIRE				JIMMIES CRK				2410470000	LEHS45		4		
WSRC3598	657.	0.5228	0.8206	0	0								
WR359831	0.	UNIFO19720207		1	2	0	C3600_1	C360063600301					GARY
HALL ET AL				JIMMIES CRK				2410450000	LEHS45		4		
WSRC3598	657.	0.5228	0.8206	0	0								
WR359831	0.	UNIFO19720207		1	2	0	C3601_1	C360163601301					H
REESE WARD & DONALD L WARD				JIMMIES CRK				2410430000	LEHS45		4		
WSRC3598	657.	0.5228	0.8206	0	0								
WR359831	0.	D&L219720207		1	2	0	C3601_2	C360163601301					H
REESE WARD & DONALD L WARD				JIMMIES CRK				2410430000	LEHS45		4		

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WSRC3598	657.	0.5228	0.8206	0	0					
WR360231	0.	D&L219740528		1	2	0	C3602_1	C360263602301		DENNIS
L & LAVORICE M SHELTON				JIMMIES CRK				2410420000 LEHS45	4	
WSRC3602	20.	0.5228	0.8206	0	0					
**IF390201	724.			UNIFO19820503			1			IFP3902_1
A										
**WR390231	30.	IRR219820503		1	2	0	P3902_1	P390213902001		PAUL
L RAINS				JIMMYS CRK				2410410000 LEHS45	A 4	
**WSRC3902	25.	0.5228	0.8206	0	0					
**WR390231	20.	IRR219820503		1	2	0	P3902_2	P390213902001		GARY
G HALL ET UX				JIMMYS CRK				2410410000 LEHS45	A 4	
**WSRC3902	25.	0.5228	0.8206	0	0					
**WR390231	10.	IRR219820503		1	2	0	P3902_3	P390213902001		DENNIS
L SHELTON				JIMMYS CRK				2410410000 LEHS45	A 4	
**WSRC3902	25.	0.5228	0.8206	0	0					
** 50 acft storage reservoir with priorities of 5/19/75 and 8/10/72 shared between WR 3603 and WR 3604.										
WR360331	0.	D&L219720810		1	2	0	C3603_1	C360363603301		PAUL
L RAINS				JIMMIES CRK				2410400000 LEHS45	4	
WSR36031	15.	0.5228	0.8206	0	0					
WR360331	0.	D&L219750519		1	2	0	C3603_2	C360363603301		PAUL
L RAINS				JIMMIES CRK				2410400000 LEHS45	4	
WSR36031	50.	0.5228	0.8206	0	0					
WR360331	0.	D&L219720810		1	2	0	C3604_1	C360463604301		LARRY
C STEELE ET UX				JIMMIES CRK				2410390000 LEHS45	4	
WSR36031	15.	0.5228	0.8206	0	0					
WR360331	0.	D&L219750519		1	2	0	C3604_2	C360463604301		LARRY
C STEELE ET UX				JIMMIES CRK				2410390000 LEHS45	4	
WSR36031	50.	0.5228	0.8206	0	0					
** Off-channel reservoir not modeled.										
WR360531	0.	D&L219720228		1	2	0	C3605_1	C360563605301		GARY
G & MARY LOU HALL				JIMMIES CRK				2410370000 LEHS45	4	
WSRC3605	21.	0.5228	0.8206	0	0					
WR360601	3.	IRR219630731		1	2	0	C3606_1	C360663606001		BOBBIE
G WILSON				JIMMIES CRK				2410330000 LEHS45	4	
WR360731	0.	D&L219750217		1	2	0	C3607_1	C360763607001		T
C MAZUREK JR				JIMMIES CRK				2410300000 LEHS45	4	
WSRC3607	25.	0.5228	0.8206	0	0					
WR360831	21.	IRR219711026		1	2	0	C3608_1	C360863608001		NORMAN
MOORE ET UX				SWEETWATER CRK				2410290000 LEHS45	4	
WSRC3608	21.	0.5228	0.8206	0	0					
WR360931	50.	IRR219711018		1	2	0	C3609_1	C360963609301		JOHN
M HATHCOCK				COTTONWOOD CRK				2410150000 LEHS45	4	
WSRC3609	193.	0.5228	0.8206	0	0					
WR361031	143.	IRR219710719		1	2	0	C3610_1	C361063610001		JOHN
O SIMPSON				SWEETWATER CRK				2410100000 LEHS45	4	
WSRC3610	193.	0.5228	0.8206	0	0					
WR361101	38.	IRR219691231		1	2	0	C3611_1	C361163611001		HUGH
MONSELLE O'BRIEN				SWEETWATER CRK				2410070000 LEHS45	4	
WR361231	93.	IRR219590531		1	2	0	C3612_1	C361263612002		FRED
S DAVIS				SWEETWATER CRK				2410060000 LEHS45	4	
WSRC3612	40.	0.5228	0.8206	0	0					
WR361331	95.	IRR219710517		1	2	0	C3613_1	C361363613001		HUGH
MONSELLE O'BRIEN				LTL SWEETWATER				2410050000 LEHS45	4	
WSRC3613	99.	0.4897	0.7633	0	0					
WR361431	10.	IRR219651118		1	2	0	C3614_1	C361463614001		DON
P CHESTER				SWEETWATER CRK				2410000000 LEHS45	4	
WSRC3614	10.	0.5228	0.8206	0	0					
WR361531	48.	IRR219690616		1	2	0	C3615_1	C361563615001		A
E VINEYARD				SWEETWATER CRK				2409500000 LEHS45	4	
WSRC3615	63.	0.5228	0.8206	0	0					
** Same reservoir as WR 3615.										
WR361531	12.	IRR219690616		1	2	0	C3616_1	C361663616001		B
J VINEYARD				SWEETWATER CRK				2409000000 LEHS45	4	
WSRC3615	63.	0.5228	0.8206	0	0					
WR361731	3.	IRR219680429		1	2	0	C3617_1	C361763617001		WALTER
MAZUREK				SWEETWATER CRK				2408200000 LEHS45	4	
WSRC3617	3.	0.5228	0.8206	0	0					
WR361831	47.	IRR219670731		1	2	0	C3618_1	C361863618002		OBBCO
RANCH CORPORATION				SWEETWATER CRK				2408000000 LEHS45	4	
WSRC3618	66.	0.5228	0.8206	0	0					
WR361801	38.	IRR219670731		1	2	0	C3618_2	C361863618001		OBBCO
RANCH CORPORATION				SWEETWATER CRK				2408000000 LEHS45	4	
SO				BACKUP						
WR361831	9.	IRR219680506		1	2	0	C3618_3	C361863618002		OBBCO
RANCH CORPORATION				SWEETWATER CRK				2408000000 LEHS45	4	
WSRC3618	66.	0.5228	0.8206	0	0					
WR361801	0.	IRR219670731		1	2	0	C3618_4	C361863618001		OBBCO
RANCH CORPORATION				SWEETWATER CRK				2408000000 LEHS45	4	
SO				BACKUP						
**IF361901	365.	UNIFO19710222		1			IFC3619_1			
WR361931	20.	IRR219710222		1	2	0	C3619_1	C361963619001		JFB
FARMS A PARTNERSHIP				COPPERAS (RUSH) CRK				2407260000 LEHS45	4	
WSR36191	30.	0.5228	0.8206	0	0					

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**TO      6      1.0      ADD                      C5159_6      CONT
**TO      6      1.0      ADD                      C5159_7      CONT
**TO      6      1.0      ADD                      C5159_8      CONT
**TO      6      1.0      ADD                      C5159_9      CONT
**TO      6      1.0      ADD                      C5159_10     CONT
**PX      4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
**WRSR5159 9999999      19631216                      Depletion 5159  SYSTEM
**PX      5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WR515931      19631216      1.0000  5159DP                      Lumped Dep 5159  SYSTEM 1simdep
**TO      11      1.0      ADD                      Depletion 5159
**PX      2
** Special code to output storage from first simulation
**WRPR_dum      19631216                      1simPRstor      look
**TO      4      SET                      PRCTOR
**PX      4
**WRPR_dum      9999999  XMONTH19631216                      2simPRstor      look
**PX      5
** end FNI change
**
** IBT of 2600 acft/yr to Trinity River Basin is authorized, and modeled in Run 8 with loss of priority.
** Use is also authorized in San Jacinto-Brazos Coastal Basin.
** Amendment dated 5/31/2002 allows up to 20,000 acft/yr to be transferred to the Trinity River
** Basin. Other than this note, the IBT is not included in the model.
** This right includes industrial, irrigation, mining and recreational use.
** - End modeling Lake Proctor
**
** Lake Granbury
**
WR515631  1557.  MUN219640213  1  2  0.0000                      C5156_1  C515665156001                      BRAZOS
RIVER AUTHORITY      BRAZOS RIVER      3290000000  BRGR30      5
WSGRNBRY 124128.
**PX      1
WR515631  2600.  MUN219640213  1  2  0.0000                      C5156_2  C515665156001                      BRAZOS
RIVER AUTHORITY      BRAZOS RIVER      3290000000  BRGR30      5
WSGRNBRY 124128.
**PX      1
WR515631  6705.  MUN219640213  1  4  R51561  101782  C5156_3  C515665156001                      BRAZOS
RIVER AUTHORITY      BRAZOS RIVER      3290000000  BRGR30      5
WSGRNBRY 124128.
**PX      1
WR515631  1475.  MUN219640213  1  2  0.0000                      C5156_4  C515665156001                      BRAZOS
RIVER AUTHORITY      BRAZOS RIVER      3290000000  BRGR30      5
WSGRNBRY 124128.
**PX      1
WR515631  1073.  MUN219640213  1  2  0.0000                      C5156_5  C515665156001                      BRAZOS
RIVER AUTHORITY      BRAZOS RIVER      3290000000  BRGR30      5
WSGRNBRY 124128.
**PX      1
WR515631  2.     IND219640213  1  2  0.0000                      C5156_6  C515665156001                      BRAZOS
RIVER AUTHORITY      BRAZOS RIVER      3290000000  BRGR30      5
WSGRNBRY 124128.
**PX      1
WR515631  3748.  IND219640213  1  2  0.0000                      C5156_7  C515665156001                      BRAZOS
RIVER AUTHORITY      BRAZOS RIVER      3290000000  BRGR30      5
WSGRNBRY 124128.
**PX      1
WR515631  4000.  IND219640213  1  2  0.0000                      C5156_8  C515665156001                      BRAZOS
RIVER AUTHORITY      BRAZOS RIVER      3290000000  BRGR30      5
WSGRNBRY 124128.
**PX      1
WR515631  4544.  IRR219640213  1  2  0.0000                      C5156_9  C515665156001                      BRAZOS
RIVER AUTHORITY      BRAZOS RIVER      3290000000  BRGR30      5
WSGRNBRY 124128.
**PX      1
WR515631  2806.  IRR219640213  1  2  0.0000                      C5156_10 C515665156001                      BRAZOS
RIVER AUTHORITY      BRAZOS RIVER      3290000000  BRGR30      5
WSGRNBRY 124128.
**PX      1
WR515631  200.   IRR219640213  1  2  0.0000                      C5156_11 C515665156001                      BRAZOS
RIVER AUTHORITY      BRAZOS RIVER      3290000000  BRGR30      5
WSGRNBRY 124128.
**PX      1
WR515631  2.     MIN219640213  1  2  0.0000                      C5156_12 C515665156001                      BRAZOS
RIVER AUTHORITY      BRAZOS RIVER      3290000000  BRGR30      5
WSGRNBRY 124128.
**PX      1

```

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```

** SysOp Change:
** Calculate the total depletion for water right 5156.
**WRSR5156      19640213      Compute Dep 5156  SYSTEM
**TO 6 1.0 ADD C5156_1 CONT
**TO 6 1.0 ADD C5156_2 CONT
**TO 6 1.0 ADD C5156_3 CONT
**TO 6 1.0 ADD C5156_4 CONT
**TO 6 1.0 ADD C5156_5 CONT
**TO 6 1.0 ADD C5156_6 CONT
**TO 6 1.0 ADD C5156_7 CONT
**TO 6 1.0 ADD C5156_8 CONT
**TO 6 1.0 ADD C5156_9 CONT
**TO 6 1.0 ADD C5156_10 CONT
**TO 6 1.0 ADD C5156_11 CONT
**TO 6 1.0 ADD C5156_12 CONT
**PX 4
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
**WRSR5156 9999999 19640213      Depletion 5156  SYSTEM
**PX 5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WR515631 0 19640213 1.0000 5156DP      Lumped Dep 5156  SYSTEM 1simdep
**TO 11 1.0 ADD      Depletion 5156
**PX 2
** Special code to output storage from first simulation
**WRGB_dum 19640213      1simGBstor look
**TO 4 SET GRNBRY
**PX 4
**WRGB_dum 9999999 XMONTH19640213      2simGBstor look
**PX 5
** - End modeling Lake Granbury
** end FNI change
**
WR407301 42.0 IRR219560819 1 2 0.0000 C4073_1 C407364073001 JAMES
R. ROBINSON BRAZOS RIVER 3289600000 BRGR30 5
WR407401 26.0 IRR219560819 1 2 0.0000 C4074_1 C407464074001 E.
F. ALLISON BRAZOS RIVER 3289500000 BRGR30 5
WR407531 0.0 UNIFO19760705 1 2 0.0000 C4075_1 C407564075101 THE
R K HANGER TRUST UNNAMED TRIB 3289300000 BRGR30 5
WSRC4075 300. 0.5228 0.8206 0 0
WR407241 308. IRR219561231 1 2 0.0000 C4072_1 C407264072001 JAMES E
ANTHONY ET AL BRAZOS RIVER 3289100000 BRGR30 5
WSRC4072 1.0 0.2710 0.8958 0 0
SO 407201
WR407601 15.5 IRR219660710 1 2 0.0000 C4076_1 C407664076001 D.
J. VAUGHN BRAZOS RIVER 3288750000 BRGR30 5
WR407601 23.5 IRR219660710 1 2 0.0000 C4076_2 C407664076001 ROBIN
K SNIDER ET AL BRAZOS RIVER 3288750000 BRGR30 5
WR407701 30.0 IRR219640831 1 2 0.0000 C4077_1 C407764077001 D.
J. BROWN BRAZOS RIVER 3288500000 BRGR30 5
WR407801 54.0 IRR219570930 1 2 0.0000 C4078_1 C407864078001 ROBERT
& MARGARET KING INV INC BRAZOS RIVER 3288450000 BRGR30 5
WR407931 92.0 IRR219640831 1 2 0.0000 C4079_1 C407964079001 JAMES
ROBERT HILL BRAZOS RIVER 3288400000 BRGR30 5
WSRC4079 20.0 0.5228 0.8206 0 0
WR408003 112. IRR219660702 1 2 0.0000 C4080_1 C408064080003 J
V & M G DURANT BRAZOS RIVER 3288000000 BRGR30 5
WR408102 160. IRR219660702 1 2 0.0000 C4081_1 C408164081002 F.
L. VAUGHN BRAZOS RIVER 3287990000 BRGR30 5
WR408203 203. IRR219500731 1 2 0.0000 C4082_1 C408264082003 S.
B. GRISSOM BRAZOS RIVER 3286500000 BRGR30 5
WR408301 45.0 IRR219630930 1 2 0.0000 C4083_1 C408364083001 ROBERT
L FOREE JR BRAZOS RIVER 3284000000 BRGR30 5
IF408401 3547. UNIFO19731119 1 IFC4084_1
WR408431 25.0 IRR219731119 1 2 0.0000 C4084_1 C408464084000 EARL
R ALLISON N PALUXY 3283230000 PAGR31 5
WSRC4084 25.0 0.4897 0.7633 0 0
WR408431 0.0 UNIFO19731119 1 2 0.0000 C4084_2 C408464084001 EARL
R ALLISON N PALUXY 3283230000 PAGR31 5
WSRC4084 25.0 0.4897 0.7633 0 0
SO 408401 BACKUP
WR408531 10.3 IRR219741209 1 2 0.0000 C4085_1 C408564085001 EARL
R ALLISON N PALUXY 3283150000 PAGR31 5
WR408531 17.7 IRR219741209 1 2 0.0000 C4085_2 C408564085001 DANE
ALLISON ET UX N PALUXY 3283150000 PAGR31 5
WSRC4085 12.0 0.4897 0.7633 0 0
IF408601 10136. UNIFO19750902 1 IFC4086_1
WR408641 15.0 IRR219750902 1 2 0.0000 C4086_1 C408664086001 GARY
& BEVERLY LEWELLEN PALUXY RIVER 3283090000 PAGR31 5
WSRC4086 2.0 0.2710 0.8958 0 0
    
```


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WR410306	186.	IRR219551231	1	2	0.0000			C4103_1	C410364103006			"CYRIL
WAGNER, JR., ETAL"						BRAZOS RIVER			3257900000	BRAQ33	5	
WR410409	3811.	IRR219571231	1	2	0.0000			C4104_1	C410464104009			PERRY
R BASS INC						BRAZOS RIVER			3257600000	BRAQ33	5	
WR410501	8.0	IRR219770131	1	2	0.0000			C4105_1	C410564105001			WESLEY
RAY CARSON						NOLAN CRK			3257450000	NRBL32	5	
WR410501	4.0	IRR219770131	1	2	0.0000			C4105_2	C410564105001			CREPE
MYRTLE OF TEXAS INC						NOLAN CRK			3257450000	NRBL32	5	
WR410631	5760.	MUN219620806	1	4	R41061	100061		C4106_1	C410664106001			CITY
OF CLEBURNE						NOLAN CRK			3257000000	NRBL32	5	
WSCLEBRN	23530.										0	
WR410631	0.0	IND219620806	1	2	0.0000			C4106_2	C410664106001			CITY
OF CLEBURNE						NOLAN CRK			3257000000	NRBL32	5	
WSCLEBRN	23530.										0	
WR410631	240.	IRR219760329	1	2	0.0000			C4106_3	C410664106001			CITY
OF CLEBURNE						NOLAN CRK			3257000000	NRBL32	5	
WSCLEBRN	23530.										0	
WR425831	720.	MUN219850521	1	2	0.0000			P4258_1	P425814258001			CITY
OF CLEBURNE						W FRK BUFFALO CRK			3256800000	NRBL32	5	
WSRP4258	552.	0.5228	0.8206			0					0	
WR410701	231.	IRR219641231	1	2	0.0000			C4107_1	C410764107001			RIVERVIEW
INC						BUFFALO CRK			3256730000	NRBL32	D 5	
** 12-4107A REQUESTED TO USE EXISTING RESERVOIR OF 12 ACRE-FEET												
WR410701	231.	IRR220020301	1	2	0.0000			C4107_2	C410764107001			RIVERVIEW
INC						BUFFALO CRK			3256730000	NRBL32	5	
TO	6	-1	ADD					C4107_1				
WSRC4107	12.0	0.4897	0.7633			0	0					
**												
WR410803	27.0	IRR219610630	1	2	0.0000			C4108_1	C410864108003			HARRY
V DULICK						MESQUITE CRK			3250500000	BRAQ33	5	
WR410801	5.0	IND219610630	1	2	0.0000			C4108_2	C410864108001			HARRY
V DULICK						MESQUITE CRK			3250500000	BRAQ33	5	
WR410931	10.0	IRR219690508	1	2	0.0000			C4109_1	C410964109001			LOUIS
& VIRGINIA GREGORY						STEELE CRK			3250250000	BRAQ33	5	
WSRC4109	10.0	0.5228	0.8206			0	0					
WR411001	20.0	IRR219660731	1	2	0.0000			C4110_1	C411064110001			LUCILLE
C BUTLER						STEELE CRK			3250200000	BRAQ33	5	
WR411131	6.0	IRR219530731	1	2	0.0000			C4111_1	C411164111001			"PAUL
C. MURPHY, JR."						STEELE CRK			3250150000	BRAQ33	5	
WSRC4111	15.0	0.5228	0.8206			0	0					
WR411231	12.0	IRR219640323	1	2	0.0000			C4112_1	C411264112001			LOUIS
& VIRGINIA GREGORY						STEELE CRK			3250000000	BRAQ33	5	
WSRC4112	14.0	0.5228	0.8206			0	0					
WR534631	0.0	UNIF019910308	1	2	0.0000			P5346_1	P534615346301			SPECIAL
CAMPS FOR SPECIAL KIDS						UNNAMED TRIB			3248500000	BRAQ33	5	
WSRP5346	90.0	0.5228	0.8206			0	0					
WR411333	43.0	IRR219640531	1	2	0.0000			C4113_1	C411364113003			JAMES
M. WALKER						N CEDRON			3248000000	BRAQ33	5	
WSRC4113	140.	0.5228	0.8206			0	0					
** BRA holds the only priority right in Lake Whitney and is authorized to impound 50,000 acft												
** between elevations 520 (387,024 acft storage) and 533 feet (642,179 acft storage). Model												
** BRA right as authorized to impound up to 437,024 acft (387,024 plus 50,000) at 1982 priority,												
** with inactive storage set at 387,024 acft. Model remainder of storage up to 642,179 acft as												
** non-priority (junior priority date). For Run 8 (Year 2000 conditions), these storage volumes												
** change to 311,998 acft, 361,998 acft, and 549,788 acft.												
** Use is also authorized in San Jacinto-Brazos Coastal Basin.												
** Instream flow requirement is suggested, but not mandatory, do not model as per the TNRCC.												
**IFBRR170	796375.	UNIF019820830	1					IFC5157_1				
** New Whitney to handle evap distrib between CoE and BRA												
**												
** FNI change - limit model to conservation storage (two pools). Add 231015 to get total storage (535928 af)												
**WR515731	0	99999999	1					USACE_WHIT				
**WSWHITNY	387024.										1	
**PX	3											
WR515731	18336.	WHIT119820830	1	2	0.0000		4	C5157_1	C515765157001			BRAZOS
RIVER AUTHORITY						BRAZOS RIVER			3246200000	BRAQ33	5	
**WS	BRA 50000.										1	-1
WSBRAWHT	50000.						1					
**PX	1											
**												
**WR515731	0	WHIT120041014	1	2	0.0000		5	C5157_2	C515765157001			BRAZOS
RIVER AUTHORITY						BRAZOS RIVER			3246200000	BRAQ33	5	
WR515731	0	WHIT188888888	1	2	0.0000			C5157_2	C515765157001			BRAZOS
RIVER AUTHORITY						BRAZOS RIVER			3246200000	BRAQ33	5	
**WS	BRA 50000.										1	-1
WSBRAWHT	50000.						1					
BU	0					P5744_1						
PX	2											
**												
**WR515731	0	WHIT120041014	1	2	0.0000		5	C5157_3	C515765157001			BRAZOS
RIVER AUTHORITY						BRAZOS RIVER			3246200000	BRAQ33	5	
WR515731	0	WHIT188888888	1	2	0.0000			C5157_3	C515765157001			BRAZOS
RIVER AUTHORITY						BRAZOS RIVER			3246200000	BRAQ33	5	
**WS	BRA 50000.										1	-1

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```

WSBRAWHT 50000. 1
BU 0 0 P5744_2
PX 2
**
** Whitney hydropower
** Based on BRA analysis
** Elev 520 to 527 = 276 cfs
** Elev 530 = 561 cfs
** Elev 533 = 1267 cfs
**
** Model as most junior water right with 100% returns so downstream water rights have access to flows
** Drought Index 3 varies with elevation
**
**WR515731 918319 DAYS 1 3 1 1.0 515751 8 WhitHydro WH_COE
WR515731 918319 DAYS99999999 1 2 1.0 515751 3 WHITHYDRO WH_COE
WSCORWHT 463253. 430000 1 -1
**
**WR515731 0 99999999 1 EVAP1
**WSWHITNY 387024 99999999 1 2 0.0000 EVAP2 C515765157001 1 BRAZOS
WR515731 0 99999999 1 2 0.0000 EVAP2 C515765157001 5 BRAZOS
RIVER AUTHORITY BRAZOS RIVER 3246200000 BRAQ33 1 -1
**WS BRA 50000
WSBRAWHT 50000. 1
PX 1
**
WR515731 0 99999999 1 2 0.0000 EVAP2 C515765157001 5 BRAZOS
RIVER AUTHORITY BRAZOS RIVER 3246200000 BRAQ33
WSBRAWHT 50000. 1
PX 2
**
WR515731 99999999 1 EVAP3 WH_COE
**WSCORWHT 199076 1 -1
WSCORWHT 463253. 1 -1
PX 1
**
WR515731 99999999 1 EVAP3 WH_COE
WSCORWHT 463253. 1 -1
PX 2
**
** SysOp Change:
** Calculate the total depletion for water right 5157.
**WRSR5157 19820830 Compute Dep 5157 SYSTEM
**TO 6 1.0 ADD C5157_1
**PX 4
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
**WRSR5157 9999999 19820830 Depletion 5157 SYSTEM
**PX 5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WR515731 19820830 1.0000 5157DP Lumped Dep 5157 SYSTEM 1simdep
**TO 11 1.0 ADD Depletion 5157
**PX 2
** Special code to output storage from first simulation
**WRWH_dum 99999999 1simBRAWHstor look
**TO 4 SET BRAWHT
**PX 4
**WRWH_dum 99999999 XMONTH99999999 2simBRAWHstor look
**PX 5
**WRWH_dum 99999999 1simWHstor look
**TO 4 SET CORWHT
**PX 4
**WRWH_dum 99999999 XMONTH99999999 2simWHstor look
**PX 5
** - End modeling Lake Whitney
** end FNI change
**
WR431501 30.0 IRR219601231 1 2 0.0000 C4315_1 C431564315001 5 CHESLEY
J AUTEN BRAZOS RIVER 3244600000 BRAQ33
WR431601 75.0 IRR219611231 1 2 0.0000 C4316_1 C431664316001 5 B
W & SARA J. BOWERS BRAZOS RIVER 3244500000 BRAQ33
WR431701 243. IRR219631231 1 2 0.0000 C4317_1 C431764317001 5 MARY
ANN JENKINS ET AL BRAZOS RIVER 3244200000 BRAQ33
** Pursuant to amendment 4318B reduce 667 by 20 af
**WR431801 667. IRR219211231 1 2 0.0000 C4318_1 C431864318001 5 JOHN
MCPHERSON ET AL BRAZOS RIVER 3244000000 BRAQ33
WR431801 647. IRR219211231 1 2 0.0000 C4318_1 C431864318001 5 JOHN
MCPHERSON ET AL BRAZOS RIVER 3244000000 BRAQ33
WR431841 2820. IRR219211231 1 2 0.0000 C4318_2 C431864318003 5 ED
HUDDLESTON & JOHN MCPHERSON ET AL BRAZOS RIVER 3244000000 BRAQ33
WSRC4318 288. 0.2710 0.8958 0 0
    
```

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SO	2820.	431803									
** Amendment, Certificate	4318B										
IF228302	12827	IFLGC19211231	1			IF4318_ON					
WR228302	20	LGC19211231	1	1	1	LGCAIT		C4318_4			
WR431831	0	LGC20010118	1	2				C4318_3			
WS 4318	8.5	0.5228 0.8206	0		0						
SO		LGCAIT									
IF228302	0	IFLGC19211231	1			IF4318_OF					
IF228302	12827	IFLGC20010118	1			IF4318_OA					
**											
WR431902	34.0	IRR219620331	1	2	0.0000			C4319_1	C431964319002		BIRCH
WILFONG		TENER							3243900000 BRAQ33	5	
WR432001	84.0	IRR219670731	1	2	0.0000			C4320_1	C432064320001		HERMAN
L HORN		BRAZOS RIVER							3242600000 BRWA41	5	
**IF414101	170204.	IFD05119840515				1					IFP4141_1
A											
**WR414101	170.	IRR219840515	1	2	0.0000			P4141_1	P414114141001		W
L MCPHERSON ET AL		BRAZOS RIVER							3242510000 CFNU16	A 5	
WR432101	337.	IRR219630831	1	2	0.0000			C4321_1	C432164321001		WALTON
K BALLEW		BRAZOS RIVER							3242300000 BRWA41	5	
WR432202	175.	IRR219640630	1	2	0.0000			C4322_1	C432264322002		ALTHIA
B G BURNETTE		BRAZOS RIVER							3242200000 BRWA41	5	
WR432301	173.	IRR219560630	1	2	0.0000			C4323_1	C432364323001		DOCK
L BURNETTE		BRAZOS RIVER							3242000000 BRWA41	5	
WR432401	305.	IRR219650630	1	2	0.0000			C4324_1	C432464324001		VANESSA
A GILPIN		BRAZOS RIVER							3241950000 BRWA41	5	
WR432441	0.	IRR219650630	1	2	0.0000			C4324_2	C432464324001		VANESSA
A GILPIN		BRAZOS RIVER							3241950000 BRWA41	5	
WSRC4324	12.0	0.2710 0.8958	0		0						
WR432501	48.0	IRR219670630	1	2	0.0000			C4325_1	C432564325001		NELDA
KATHRYN CARGILL		BRAZOS RIVER							3241500000 BRWA41	5	
WR432601	6.0	IRR219591231	1	2	0.0000			C4326_1	C432664326001		DAN
WELDON WILLIAMS		BRAZOS RIVER							3241480000 BRWA41	5	
WR432701	4.0	IRR219591231	1	2	0.0000			C4327_1	C432764327001		DAN
WELDON WILLIAMS		BRAZOS RIVER							3241470000 BRWA41	5	
WR432801	40.0	IRR219640701	1	2	0.0000			C4328_1	C432864328001		GEORGE
L MOORE		BRAZOS RIVER							3241460000 BRWA41	5	
WR432901	74.0	IND219641231	1	2	0.0000			C4329_1	C432964329001		THOMAS
BOTHERS GRASS LTD		BRAZOS RIVER							3241270000 BRWA41	5	
WR432901	856.	IRR219641231	1	2	0.0000			C4329_2	C432964329001		THOMAS
BOTHERS GRASS LTD		BRAZOS RIVER							3241270000 BRWA41	5	
WR433201	32.0	IRR219401231	1	2	0.0000			C4332_1	C433264332001		KARL
LEE REDDELL ET AL		BRAZOS RIVER							3240900000 BRWA41	5	
WR433101	44.0	IRR219401231	1	2	0.0000			C4331_1	C433164331001		DIANA
M WELLBORN ET AL		BRAZOS RIVER							3240880000 BRWA41	5	
WR433001	16.0	IRR219401231	1	2	0.0000			C4330_1	C433064330001		KARL
LEE & ELSIE MAE REDDELL		BRAZOS RIVER							3240870000 BRWA41	5	
WR433331	8.0	IRR219760614	1	2	0.0000			C4333_1	C433364333001		HILLSBORO
COUNTRY CLUB		PECAN CRK							3232900000 AQAQ34	5	
WSRC4333	18.0	0.5228 0.8206	0		0						
**											
** Lake Aquilla											
** Use is also authorized in San Jacinto-Brazos Coastal Basin.											
**											
IF515831	362.	UNIFO19761025	3			IFC5158_1					
WSAQUILA	35755.				0						
OR515831			-1								
** FNI change - System Operation											
WR515831	12246.	MUN219761025	1	2	0.0000			C5158_1	C515865158001		BRAZOS
RIVER AUTHORITY		AQUILLA CRK							3232500000 AQAQ34	5	
WSAQUILA	35755.				0						
**PX	1										
WR515831	1650.	MUN219761025	1	4	R51581 106301			C5158_2	C515865158001		BRAZOS
RIVER AUTHORITY		AQUILLA CRK							3232500000 AQAQ34	5	
WSAQUILA	35755.				0						
**PX	1										
WR515831	0.0	IND219761025	1	2	0.0000			C5158_3	C515865158001		BRAZOS
RIVER AUTHORITY		AQUILLA CRK							3232500000 AQAQ34	5	
WSAQUILA	35755.				0						
**PX	1										
WR515831	0.0	MIN219761025	1	2	0.0000			C5158_4	C515865158001		BRAZOS
RIVER AUTHORITY		AQUILLA CRK							3232500000 AQAQ34	5	
WSAQUILA	35755.				0						
**PX	1										
WR515831	0.0	UNIFO19761025	1	2	0.0000			C5158_5	C515865158001		BRAZOS
RIVER AUTHORITY		AQUILLA CRK							3232500000 AQAQ34	5	
WSAQUILA	35755.				0						
**PX	1										
** SysOp Change:											
** Calculate the total depletion for water right 5158.											
**WSR5158		19761025									
**TO	6	1.0	ADD			Compute Dep	5158	SYSTEM			
**TO	6	1.0	ADD			C5158_1	CONT				
						C5158_2	CONT				

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**TO      6      1.0      ADD      C5158_3      CONT
**TO      6      1.0      ADD      C5158_4      CONT
**TO      6      1.0      ADD      C5158_5
**PX      4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to the regulated flow. In the first pass, the regulated flow is the depletion from the reservoir. In the second pass,
** the depletion is limited to the first pass (base run)
**WRSR5158 9999999      19761025      Depletion 5158      SYSTEM
**PX      5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WR515831      19761025      1.0000      5158DP      Lumped Dep 5158      SYSTEM lsimdep
**TO      11      1.0      ADD      Depletion 5158
**PX      2
** Special code to output storage from first simulation
**WRAQ_dum      19761025      lsimAQstor      look
**TO      4      SET      AQUILA
**PX      4
**WRAQ_dum      9999999      XMONTH19761025      2simAQstor      look
**PX      5
** - End modeling Aquila Reservoir.
** end FNI change
WR433431      1.0      IRR219640811      1      2      0.0000      C4334_1      C433464334001      "GEORGE
W. MCNIEL, ET AL"      AQUILLA CRK      3232000000      AQAQ34      5
WSRC4334      50.0      0.5228      0.8206      0      0
WR433501      40.0      IRR219640731      1      2      0.0000      C4335_1      C433564335001      ALPHONS
D URBANOVSKY      AQUILLA CRK      3229000000      BRWA41      5
WR433601      55.0      IRR219530630      1      2      0.0000      C4336_1      C433664336001      FAYE
SMITH ROMINE      GILES      3224800000      BRWA41      5
WR433601      55.0      IRR219530630      1      2      0.0000      C4336_2      C433664336001      KAYE
SMITH BOYD      GILES      3224800000      BRWA41      5
WR433701      58.0      IRR219660630      1      2      0.0000      C4337_1      C433764337001      DONALD
RISINGER PENSION PLAN      WHITE RIVER      3224680000      BRWA41      5
WR433801      130.      IRR219630523      1      2      0.0000      C4338_1      C433864338001      "JIM
G DOLLINS, SR"      BRAZOS RIVER      3224650000      BRWA41      5
WR220131      197.      IRR219680318      1      2      0.0000      C2201_1      C220162201002      "A.
B. COPELAND, JR."      N BOSQUE RIVER      3224500000      NBHI35      6
WSRC2201      197.      0.5228      0.8206      0      0
** The following three water rights share the same reservoir, but their right to divert has expired.
WR220331      0.0      D&L219720821      1      2      0.0000      C2203_1      C220362203301      LARRY
R JONES      N BOSQUE RIVER      3224450000      NBHI35      6
WSRC2202      252.      0.5228      0.8206      0      0
WR220331      0.0      D&L219720821      1      2      0.0000      C2202_1      C220262202301      JAMES
F EVERETT      N BOSQUE RIVER      3224420000      NBHI35      6
WSRC2202      252.      0.5228      0.8206      0      0
WR220331      0.0      D&L219720821      1      2      0.0000      C2204_1      C220462204001      JERRY
J. RANKIN ET AL      N BOSQUE RIVER      3224410000      NBHI35      6
WSRC2202      252.      0.5228      0.8206      0      0
WR220531      150.      IRR219701221      1      2      0.0000      C2205_1      C220562205001      JACK
BERRY      SCARBOROUGH CRK      3224400000      NBHI35      6
WSRC2205      307.      0.5228      0.8206      0      0
** The following 2 water rights share the same reservoir (RC2206).
WR220631      60.0      IRR219720103      1      2      0.0000      C2206_1      C220662206001      H.
W. NORTHCUTT      N FRK N BOSQUE RIVER      3224330000      NBHI35      6
WSRC2206      185.      0.5228      0.8206      0      0
WR220631      23.0      IRR219720103      1      2      0.0000      C2207_1      C220762207001      "ELVIS
RAY STONE SR, ET AL"      N FRK N BOSQUE RIVER      3224300000      NBHI35      6
WSRC2206      185.      0.5228      0.8206      0      0
** This water right (C2208) was reduced to 60 acft/yr under amendment C2208A, then split
** under amendment C2208B into 40 acft/yr & 20 acft/yr portions. The 20 acft/yr portion also represents
** a change in diversion location. While maintaining its 07/06/1971 priority date it was made
** junior to a list of water rights intervening between the original diversion location and the
** new diversion location. The 20 acft/yr portion is included in the input file in an order equivalent
** to the new diversion location, but the subordination to the intervening rights is not modeled.
WR220831      40.0      IRR219710706      1      2      0.0000      C2208_1      C220862208001      B
R FANNING      N FRK BOSQUE RIVER      3224270000      NBHI35      6
WSRC2208      121.      0.5228      0.8206      0      0
WR220931      3.0      IRR219770912      1      2      0.0000      C2209_1      C220962209001      H.
B. LANE      N FRK N BOSQUE RIVER      3224250000      NBHI35      6
WSRC2209      7.0      0.5228      0.8206      0      0
WR221001      92.0      IRR219530401      1      2      0.0000      C2210_1      C221062210001      RAYMOND
L. JARRATT      N BOSQUE RIVER      3224230000      NBHI35      6
WR221131      85.0      IRR219770124      1      2      0.0000      C2211_1      C221162211001      J.
T. HICKS      N BOSQUE RIVER      3224000000      NBHI35      6
WSRC2211      147.      0.5228      0.8206      0      0
**WR390002      150.      IRR219820607      1      2      0.0000      P3900_1      P390013900002      ANN
WYLIE MARTIN      S FRK N BOSQUE RIVER      3223830000      NBHI35      A      6
**WSRF3900      336.      0.8109      0.6681      0      0
** Water Rights C2212, C2213, & C2214 share the common reservoir RC2212. The diversion
** for these rights has expired, but the impoundment has not.

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WR221231	0.0	D&L219720821	1	2	0.0000		C2212_1	C221262212301				BRUCE
S TERRILL						GOOSE BR		3223660000	NBHI35	6		
WSRC2212	200.	0.4897	0.7633		0							
WR221231	0.0	D&L219720821	1	2	0.0000		C2213_1	C221362213301				WILBURN
L GAINES						GOOSE BR		3223650000	NBHI35	6		
WSRC2212	200.	0.4897	0.7633		0							
WR221231	0.0	D&L219720821	1	2	0.0000		C2214_1	C221462214301				G
K LEWALLEN						GOOSE BR		3223640000	NBHI35	6		
WSRC2212	200.	0.4897	0.7633		0							
** Water rights C2216 & C2215 share the common reservoir RC2216.												
WR221631	54.0	IRR219680226	1	2	0.0000		C2216_1	C221662216001				CRAIG
W. RAY						N CORINTH CRK		3223600000	NBHI35	6		
WSRC2216	160.	0.5228	0.8206		0							
WR221631	54.0	IRR219680226	1	2	0.0000		C2215_1	C221562215001				GREAT
SOUTHERN RANCH INC						N CORINTH CRK		3223500000	NBHI35	6		
WSRC2216	160.	0.5228	0.8206		0							
** Diversion portion of the right has expired and the storage reduced to 200 acft from 240.												
** Rights C2217 & C2218 share the common reservoir RC2217.												
WR221731	0.0	D&L219730205	1	2	0.0000		C2217_1	C221762217301				O
H FRAZIER & M B CASEY						DRY BR		3223110000	NBHI35	6		
WSRC2217	200.	0.5228	0.8206		0							
WR221731	0.0	D&L219780710	1	2	0.0000		C2218_1	C221862218301				SAMUEL
M FRAZIER ET AL						DRY BR		3223000000	NBHI35	6		
WSRC2217	200.	0.5228	0.8206		0							
** Water available to this right is from City of Stephenville effluent discharges.												
**WR561931	0.0	UNIFO19981130	1	2	0.0000		P5619_1	P561915619301				CITY
OF STEPHENVILLE						N BOSQUE RIVER		3222900000	NBHI35	A	6	
**WSRP5619	4.0	0.5228	0.8206		0							
**SO					102902							
WR221901	13.0	IRR219641231	1	2	0.0000		C2219_1	C221962219001				"JAMES
F JOHNSON, ET UX"						N BOSQUE RIVER		3222800000	NBHI35	6		
WR222001	12.0	IRR219630531	1	2	0.0000		C2220_1	C222062220001				HAROLD
PACK						N BOSQUE RIVER		3222700000	NBHI35	6		
** This water right is subject to the availability of effluent in the North Bosque River.												
**IF500702	1087.0	IFD06119850906									1	IFP5007_1
A												
**WR500702	38.0	IRR219850906	1	2	0.0000		P5007_1	P500715007002				GARY
FIRESTONE ET UX						N BOSQUE RIVER		3222550000	NBHI35	A	6	
**SO					102902							
** Original Lesley 12-2221												
WR222101	18.0	IRR219621231	1	2	0.0000		C2221_1	C222162221001				KENNETH
& BETTY YVON LESLEY						N BOSQUE RIVER		3222500000	NBHI35	6		
** Term water granted by 12-2221A (Lesley) expires in 2012, December 31 - JD												
**IF222101	841.78	2221IF19991104									1	IFC2221_2
A												
**WR222101	82.0	2221A19991104	1	2	0.0000		C2221_2	C222162221002				KENNETH
& BETTY YVON LESLEY						N BOSQUE RIVER		3222500000	NBHI35	6		
WR222201	110.	IRR219621031	1	2	0.0000		C2222_1	C222262222001				HARM
& ZWAANTINA TE VELDE TRST						N BOSQUE RIVER		3222200000	NBHI35	6		
** This water right is subject to the availability of effluent in the North Bosque River.												
**IF505201	1087.0	IFD06119860328									1	IFP5052_1
A												
**WR505201	80.0	IRR219860328	1	2	0.0000		P5052_1	P505215052001				ROBERT
LAWRENCE HANCOCK ET UX						N BOSQUE RIVER		3221610000	NBHI35	A	6	
**SO					102902							
WR222301	0.0	IRR219770815	1	2	0.0000		C2223_1	C222362223001				LAWRENCE
A. HANCOCK						N BOSQUE RIVER		3221600000	NBHI35	B	6	
WR222431	0.0	D&L219740311	1	2	0.0000		C2224_1	C222462224301				VALERIE
JANE HICKIE						INDIAN CRK		3221580000	NBHI35	6		
WSRC2224	280.	0.5228	0.8206		0							
WR222501	34.0	IRR219660630	1	2	0.0000		C2225_1	C222562225001				TY
MURRAY						N BOSQUE RIVER		3221550000	NBHI35	6		
** Water rights C2230 & C2231 share the common reservoir RC2230.												
WR223031	76.0	IRR219661024	1	2	0.0000		C2230_1	C223062230001				TY
MURRAY						LIVE OAK CRK		3221350000	NBHI35	6		
WSRC2230	200.	0.5228	0.8206		0							
WR223031	42.0	IRR219661024	1	2	0.0000		C2231_1	C223162230001				ESTATE
OF C C WINTERS						LIVE OAK CRK		3221250000	NBHI35	6		
WSRC2230	200.	0.5228	0.8206		0							
WR223231	16.0	IRR219680325	1	2	0.0000		C2232_1	C223262232101				CHARLES
A & ROBERT S ELLIOTT						LIVE OAK CRK		3221300000	NBHI35	6		
WSRC2232	172.	0.5228	0.8206		0							
WR222731	60.0	IRR219651118	1	2	0.0000		C2227_1	C222762227001				CHARLIE
S EVERETT & WIFE						SIMS CRK		3221000000	NBHI35	6		
WSRC2227	87.5	0.5228	0.8206		0							
WR222831	60.0	IRR219680226	1	2	0.0000		C2228_1	C222862228001				SWAN
E RICHARDSON JR						SIMS CRK		3220800000	NBHI35	6		
WSRC2228	272.	0.5228	0.8206		0							
WR222601	61.0	IRR219600731	1	2	0.0000		C2226_1	C222662226001				T
T FAIR ET UX						N BOSQUE RIVER		3220500000	NBHI35	6		
WR222901	44.0	IRR219530531	1	2	0.0000		C2229_1	C222962229001				J
B MCCONNELL						N BOSQUE RIVER		3220350000	NBHI35	6		
**IF555711	1227.0	IFD06219860328									1	IFP5557_1
A												

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**WR555711	100.	IRR219960719	1	2	0.0000				P5557_1	P555715557101								RANDY
M TRAYLOR ET UX										3220200000	NBHI35	A	6					
WR223301	18.0	IRR219570731	1	2	0.0000				C2233_1	C223362233001								J
W OGLE ET AL										3220060000	NBHI35		6					
WR223401	125.	IRR219631231	1	2	0.0000				C2234_1	C223462234001								BRUCE
E TODD										3220050000	NBHI35		6					
IFP41242	3594.	IFD06319820621						IFP4124_1										
WR412431	225.	IRR219820621	1	2	0.0000				P4124_1	P412414124001								BRUCE
E TODD										3220043000	NBHI35		6					
WSRP4124	180.	0.8109	0.6681															
WR412431	0.	IRR219820621	1	2	0.0000				P4124_2	P412414124001								BRUCE
E TODD										3220043000	NBHI35		6					
WSRP4124	180.	0.8109	0.6681															
SO																		
WR223501	8.0	IRR219630430	1	2	0.0000				C2235_1	C223562235001								7
M RANCH TRUST										3220040000	NBHI35		6					
WR223601	24.0	IRR219611231	1	2	0.0000				C2236_1	C223662236001								BRUCE
E TODD										3220030000	NBHI35		6					
WR223731	90.0	IRR219580604	1	2	0.0000				C2237_1	C223762237001								MAX
L GORDON & ELOISE GORDON										3220000000	NBHI35		6					
WSRC2237	181.	0.5228	0.8206															
** Divert maximum of 130 acft/yr from 149 acft on-channel reservoir.									Divert 66 acft/yr from									
** off-channel reservoirs and Green Creek.																		
WR223831	130.0	IRR219550731	1	2	0.0000				C2238_1	C223862238001								JON
DAVID MAYFIELD TRUST										3216000000	NBHI35		6					
WSRC2238	149.0	0.5228	0.8206															
WR223841	66.0	IRR119550731	1	2	0.0000				C2238_2	C223862238001								
NBHI35																		
WSR22381	60.0	0.2710	0.8958															
SO		196.	223801															
WR223931	32.0	IRR219550627	1	2	0.0000				C2239_1	C223962239001								A.
H. LINNE										3214000000	NBHI35		6					
WSRC2239	164.	0.5228	0.8206															
WR224031	137.	IRR219701013	1	2	0.0000				C2240_1	C224062240002								A
DWAIN MAYFIELD ET AL										3212000000	NBHI35		6					
WSRC2240	137.	0.5228	0.8206															
** Water rights C2241 & C2242 share the common reservoir RC2241.																		
WR224131	33.0	IRR219691222	1	2	0.0000				C2241_1	C224162241001								"WAYNE
PITTMAN, ET AL"										3207000000	NBHI35		6					
WSRC2241	148.	0.5228	0.8206															
WR224131	40.0	IRR219691222	1	2	0.0000				C2242_1	C224262242001								MRS
W K RICHARDSON										3206990000	NBHI35		6					
WSRC2241	148.	0.5228	0.8206															
WR224331	90.0	IRR219580908	1	2	0.0000				C2243_1	C224362243002								BEN
E. ROBBINS										3205000000	NBHI35		6					
WSRC2243	188.	0.5228	0.8206															
** Water rights C2244 & C2245 share the common reservoir RC2244.																		
WR224431	27.0	IRR219650202	1	2	0.0000				C2244_1	C224462244001								DONALD
MCLEAN										3204000000	NBHI35		6					
WSRC2244	54.0	0.5228	0.8206															
WR224431	20.0	IRR219650202	1	2	0.0000				C2245_1	C224562245001								DORIS
S HEIZER										3203000000	NBHI35		6					
WSRC2244	54.0	0.5228	0.8206															
WR224631	152.	IRR219660330	1	2	0.0000				C2246_1	C224662246001								DON
MITCHELL ET AL										3201000000	NBHI35		6					
WSRC2246	199.	0.4897	0.7633															
** Water rights C2247_1, C2248, & C2249 share the common reservoir RC2248.																		
WR224831	35.0	IRR219680408	1	2	0.0000				C2247_1	C224762247001								BAR-
TO-LO CORPORATION										3197150000	NBHI35		6					
WSRC2248	179.	0.5228	0.8206															
**WSRC2247	27.0	0.5228	0.8206															
WR224831	62.0	IRR219570930	1	2	0.0000				C2248_1	C224862248001								ALWINA
LUINE HEIZER HANCOCK										3197050000	NBHI35		6					
WSRC2248	179.	0.5228	0.8206															
WR224831	19.0	IRR219680408	1	2	0.0000				C2249_1	C224962249002								THOMAS
H. & DOLORES C. BENSON										3197000000	NBHI35		6					
WSRC2248	179.	0.5228	0.8206															
WR225001	4.0	IRR219670731	1	2	0.0000				C2250_1	C225062250001								OTHEY
SHADDEN										3192500000	NBHI35		6					
WR225101	28.0	IRR219630718	1	2	0.0000				C2251_1	C225162251001								WANDA
TRIMBLE										3191600000	NBHI35		6					
WR225331	0.0	D&L219730730	1	2	0.0000				C2253_1	C225362253301								J
P CATTLE COMPANY										3191250000	NBHI35		6					
WSRC2253	270.	0.5228	0.8206															
WR225201	30.0	IRR219631231	1	2	0.0000				C2252_1	C225262252001								J
B PUTTY TRUSTEE										3191200000	NBHI35		6					
**WR505131	606.	IRR219860328	1	2	0.0000				P5051_1	P505115051001								DENNIS
R HADEN										3191150000	NBHI35	A	6					
**WSRP5051	1227.	0.5228	0.8206															
WR225501	47.7	IRR219621231	1	2	0.0000				C2255_1	C225562255001								WAYNE
V DUNCAN ET UX										3191020000	NBHI35		6					
WR225501	26.8	IRR219621231	1	2	0.0000				C2255_2	C225562255001								ROBERT
L BOYKIN ET AL										3191020000	NBHI35		6					

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WR225501	84.5	IRR219621231	1	2	0.0000				C2255_3	C225562255001			GARY
W DUNCAN ET AL						N BOSQUE RIVER				3191020000	NBHI35	6	
WR225401	65.0	IRR219551231	1	2	0.0000				C2254_1	C225462254001			W
E PUTTY						GILMORE CRK				3191010000	NBHI35	6	
WR225801	32.0	IRR219661231	1	2	0.0000				C2258_1	C225862258001			RANDOLPH
M ROTEN						N BOSQUE RIVER				3191000000	NBHI35	6	
WR225901	112.0	IRR219651231	1	2	0.0000				C2259_1	C225962259001			F
MELVIN JOHNSON						N BOSQUE RIVER				3190510000	NBHI35	6	
WR226001	56.0	IRR219500731	1	2	0.0000				C2260_1	C226062260001			F.
MELVIN & HELENE JOHNSON						N BOSQUE RIVER				3190490000	NBHI35	6	
WR226101	8.0	IRR219671231	1	2	0.0000				C2261_1	C226162261001			CECIL
PARKS						N BOSQUE RIVER				3190200000	NBCL36	6	
WR226201	30.0	IRR219671231	1	2	0.0000				C2262_1	C226262262001			VERNON
CLARK BEAIRD						N BOSQUE RIVER				3189650000	NBCL36	6	
WR226301	65.0	IRR219591231	1	2	0.0000				C2263_1	C226362263001			WILLIAM
VAN ZANDT SLOAN & WIFE						HONEY CRK				3188500000	NBCL36	6	
WR226404	45.0	IRR219551231	1	2	0.0000				C2264_1	C226462264004			WILLIAM
VAN ZANDT SLOAN & WIFE						HONEY CRK				3188400000	NBCL36	6	
WR226501	268.0	IRR219551231	1	2	0.0000				C2265_1	C226562265001			DEREL
FILLINGIM						N BOSQUE RIVER				3188000000	NBCL36	6	
** Expired													
**WR378331	0.	IRR219801006	1	2	0.0000				P3783_1	P378313783001			DEREL
FILLINGIM						N BOSQUE RIVER				3187900000	NBCL36	A 6	
**WSRP3783	75.0	0.5228	0.8206	0	0								
**IF378301	10136.0		IFD06419801006										IFP3783_1
A													
**WR378301	200.	IRR219801006	1	2	0.0000				P3783_2	P378313783001			DEREL
FILLINGIM						N BOSQUE RIVER				3187900000	NBCL36	A 6	
**WR378331	0.	IND219801006	1	2	0.0000				P3783_3	P378313783001			DEREL
FILLINGIM						N BOSQUE RIVER				3187900000	NBCL36	A 6	
**WSRP3783	75.0	0.5228	0.8206	0	0								
**SO			200.			BACKUP							
WR226601	18.0	IRR219661231	1	2	0.0000				C2266_1	C226662266001			KARL
T BUTZ JR						N BOSQUE RIVER				3186850000	NBCL36	6	
WR226701	0.3	IRR219471231	1	2	0.0000				C2267_1	C226762267001			RONNIE
W PARTAIN						DAFFAU CRK				3185900000	NBCL36	6	
WR226701	0.7	IRR219471231	1	2	0.0000				C2267_2	C226762267001			MARGO
JOY PARTAIN BATTERSHELL						DAFFAU CRK				3185900000	NBCL36	6	
WR226801	11.0	IRR219631231	1	2	0.0000				C2268_1	C226862268001			"BARRY
L. POLK, ET UX"						DAFFAU CRK				3185880000	NBCL36	6	
WR226901	4.0	IRR219661231	1	2	0.0000				C2269_1	C226962269001			MICHAEL
J LOTT ET UX						N BOSQUE RIVER				3184520000	NBCL36	6	
WR227031	24.0	IRR219670531	1	2	0.0000				C2270_1	C227062270001			J.
N. BURNS						BOYD BR				3184250000	NBCL36	6	
WSRC2270	26.0	0.4897	0.7633	0	0								
WR227101	15.0	IRR219501231	1	2	0.0000				C2271_1	C227162271001			ALBERT
N PIKE & EUGENIA PIKE GOODMAN						N BOSQUE RIVER				3184000000	NBCL36	6	
WR227201	42.0	IRR219661231	1	2	0.0000				C2272_1	C227262272001			DAVID
H. MONNICH						N BOSQUE RIVER				3183500000	NBCL36	6	
WR227302	98.0	IRR219791106	1	2	0.0000				C2273_1	C227362273002			W.F.LONG
ROUGH CRK									6				
WSC22731	450.	0.5228	0.8206	0	0								
WR227301	0.0	IRR219791106	1	2	0.0000				C2273_2	C227362273001			W.F.LONG
ROUGH CRK									6				
WSRC2273	78.	0.5228	0.8206	0	0								
SO						BACKUP							
** Water Right C2274 shares 99 acft of storage with C2275 in reservoir C22753.													
**WR227432	81.0	IRR219691020	1	2	0.0000				C2274_1	C227462274002			LOUIS
A BEECHERL JR						FLAG				3180100000	NBCL36	6	
**WSC22741	1217.	0.5228	0.8206	0	0								
**WR227431	0.0	IRR219691020	1	2	0.0000				C2274_2	C227462274001			LOUIS
A BEECHERL JR						FLAG				3180100000	NBCL36	6	
**WSC22742	248.	0.4897	0.7633	0	0								
**SO						BACKUP							
**WR227537	0.0	IRR219691020	1	2	0.0000				C2274_3	C227462275007			LOUIS
A BEECHERL JR						FLAG				3180100000	NBCL36	6	
**WSC22753	99.	0.5228	0.8206	0	0								
**SO						BACKUP							
** Grouped 5 of 7 reservoirs associated with this right at control point 227511 for a combined storage of 1166 acft. Reservoir C22753 shared with C2274.													
**WR227514	155.	IRR219691020	1	2	0.0000				C2275_1	C227562275014			LOUIS
A BEECHERL JR						BULL CRK				3180050000	NBCL36	6	
**WR227536	0.	IRR219691020	1	2	0.0000				C2275_2	C227562275006			LOUIS
A BEECHERL JR						BULL CRK				3180050000	NBCL36	6	
**WSC22751	579.	0.4897	0.7633	0	0								
**SO						BACKUP							
**WR227511	0.	IRR219691020	1	2	0.0000				C2275_3	C227562275011			LOUIS
A BEECHERL JR						BULL CRK				3180050000	NBCL36	6	
**WSC22752	1166.	0.5228	0.8206	0	0								
**SO						BACKUP							
**WR227537	0.	IRR219691020	1	2	0.0000				C2275_4	C227562275007			LOUIS
A BEECHERL JR						BULL CRK				3180050000	NBCL36	6	
**WSC22753	99.	0.5228	0.8206	0	0								
**SO						BACKUP							

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**WR227631	90.0	IRR219541231	1	2	0.0000		C2276_1	C227662276001		LOUIS
A BEECHERL JR						E BOSQUE RIVER		3180000000	NBCL36	6
**WSRC2276	90.0	0.5228	0.8206	0	0					
** WR/WS/SO/IF Records added/changed for C2276, Louis A Beecherl Jr.										
** 3 certificates combined into 1. C2274 & C2275 into C2276.										
WR227633	81.0	IRR219691020	1	2	0.0000		C2276_1	C227662276003		LOUIS
A BEECHERL JR						FLAG		3180100000	NBCL36	6
WSC22763	1217.	0.5228	0.8206	0	0					
WR227632	0.0	IRR219691020	1	2	0.0000		C2276_2	C227662276002		LOUIS
A BEECHERL JR						FLAG		3180100000	NBCL36	6
WSC22762	248.	0.4897	0.7633	0	0					
SO						BACKUP				
WR22763B	0.0	IRR219691020	1	2	0.0000		C2276_3	C227662276011		LOUIS
A BEECHERL JR						FLAG		3180100000	NBCL36	6
WSC2276B	99.	0.5228	0.8206	0	0					
SO						BACKUP				
** Grouped 5 of 7 reservoirs associated with this right at control point 227613 for a combined										
** storage of 1166 acft.										
WR227616	155.	IRR219691020	1	2	0.0000		C2276_4	C227662276106		LOUIS
A BEECHERL JR						BULL CRK		3180050000	NBCL36	6
WR22763A	0.	IRR219691020	1	2	0.0000		C2276_5	C227662276010		LOUIS
A BEECHERL JR						BULL CRK		3180050000	NBCL36	6
WSC2276A	579.	0.4897	0.7633	0	0					
SO						BACKUP				
WR227613	0.	IRR219691020	1	2	0.0000		C2276_6	C227662276103		LOUIS
A BEECHERL JR						BULL CRK		3180050000	NBCL36	6
WSC22767	1166.	0.5228	0.8206	0	0					
SO						BACKUP				
WR22763B	0.	IRR219691020	1	2	0.0000		C2276_7	C227662276011		LOUIS
A BEECHERL JR						BULL CRK		3180050000	NBCL36	6
WSC2276B	99.	0.5228	0.8206	0	0					
SO						BACKUP				
WR227631	90.0	IRR219541231	1	2	0.0000		C2276_8	C227662276001		LOUIS
A BEECHERL JR						E BOSQUE RIVER		3180000000	NBCL36	6
WSRC2276	90.0	0.5228	0.8206	0	0					
**										
WR227702	10.0	IRR219511231	1	2	0.0000		C2277_1	C227762277002		"THOMAS
G PETERS, ET UX"						E BOSQUE RIVER		3179500000	NBCL36	6
WR227802	114.	IRR219661231	1	2	0.0000		C2278_1	C227862278002		WILLIAM
E. GIPSON						N BOSQUE RIVER		3178500000	NBCL36	6
WR227901	9.0	IRR219671231	1	2	0.0000		C2279_1	C227962279001		LOUISE
P L HAMPE ET AL						N BOSQUE RIVER		3178000000	NBCL36	6
WR228002	69.0	IRR219550731	1	2	0.0000		C2280_1	C228062280002		JOHN
DAVID BELL ET UX						N BOSQUE RIVER		3177500000	NBCL36	6
IF228101	3585.0	IFD06519600430				1	IFC2281_1			
WR228101	7.0	IRR219600430	1	2	0.0000		C2281_1	C228162281001		RAY
J MILLER						N BOSQUE RIVER		3174500000	NBCL36	6
**WR228101	100.	IRR219841001	1	2	0.0000		C2281_2	C228162281001		RAY
J MILLER						N BOSQUE RIVER		3174500000	NBCL36	A 6
WR228202	253.	IRR219581231	1	2	0.0000		C2282_1	C228262282002		LESTER
M ALBERTHAL JR						N BOSQUE RIVER		3174000000	NBCL36	6
WR228301	8.0	IRR219641231	1	2	0.0000		C2283_1	C228362283001		MARGARET
D WHITE						N BOSQUE RIVER		3171500000	NBCL36	B 6
WR228402	25.0	IRR219391231	1	2	0.0000		C2284_1	C228462284002		L
C AND ISABELLE C HOWARD						N BOSQUE RIVER		3171000000	NBCL36	6
WR228501	35.0	IRR219491231	1	2	0.0000		C2285_1	C228562285001		LEONARD
C RADDE						N BOSQUE RIVER		3170000000	NBCL36	6
**IF541101	3620.0	IFD06619920327				1				IFP5411_1
A										
**WR541101	20.0	IRR219920327	1	2	0.0000		P5411_1	P541115411001		NORMAN
J NEELLEY						N BOSQUE RIVER		3168260000	NBCL36	A 6
WR228731	7.0	IRR219651231	1	2	0.0000		C2287_1	C228762287001		BILLY
G AND IRIS S HODGES						AUSTIN BR		3164500000	NBCL36	6
WSRC2287	13.0	0.4897	0.7633	0	0					
WR228801	3.5	IRR219651231	1	2	0.0000		C2288_1	C228862288001		SHANNON
LAIRD HODGES ET AL						AUSTIN BR		3164000000	NBCL36	6
**WR380934	230.	IRR219801103	1	2	0.0000		P3809_1	P380913809004		MRS
JESSIE M REED						SPRING CRK		3163510000	NBCL36	A 6
WR228931	0.0	UNIFO19690922	1	2	0.0000		C2289_1	C228962289301		TEXAS
PARKS & WILDLIFE DEPT						BEE CRK		3162000000	NBCL36	6
WSRC2289	360.	0.5228	0.8206	0	0					
WR555101	7.0	IRR219631231	1	2	0.0000		C2291_1	C229162991001		CITY
OF CLIFTON						N BOSQUE RIVER		3161000001	NBCL36	6
WSRC2291	100.	0.5228	0.8206	0	0					
WR555101	600.	MUN219630314	1	2	0.0000		C2291_2	C229162991001		CITY
OF CLIFTON						N BOSQUE RIVER		3159000000	NBCL36	6
WSRC2291	100.	0.5228	0.8206	0	0					
WR229002	16.1	IRR219561231	1	2	0.0000		C2290_1	C229062290002		J.
L. JENSON						N BOSQUE RIVER		3161000000	NBCL36	6
WR229002	28.9	IRR219561231	1	2	0.0000		C2290_2	C229062290002		JAMES
CROSLY ET UX						N BOSQUE RIVER		3161000000	NBCL36	6
IF555101	8172.0	IFD06719960403				1	IFP5551_1			
WR555131	0	19960403								
WSRP5551	2000	0.5228	0.8206					P5551_1		

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**WSP53972	0.5	0.5228	0.8206	0	0							
**SO		10.				BACKUP						
**WR363631	109.	IRR219781106		1	2	0.0000	P3636_1	P363613636001				GEORGE
CHASE						LIVE OAK CRK		3118980000 HGCR39	A	6		
**WSRP3636	419.	0.5228	0.8206	0	0							
**WR363631	110.	IRR219781106		1	2	0.0000	P3636_2	P363613636001				EVELYN
WILLIE MOODY						LIVE OAK CRK		3118980000 HGCR39	A	6		
**WSRP3636	419.	0.5228	0.8206	0	0							
WR231131	0.0	D&L119770516		1	2	0.0000	C2311_1	C231162311301				ROBERT
HALL						HOG CRK		3118690000 HGCR39		6		
WS231131	740.0	0.5228	0.8206	0	0							
WR231231	162.	IRR219501231		1	2	0.0000	C2312_1	C231262312001				ROBERT
HALL						HOG CRK		3118690000 HGCR39		6		
WSRC2312	55.0	0.5228	0.8206	0	0							
WR231331	14.0	UNIFO19650731		1	2	0.0000	C2313_1	C231362313001				IRA
H. WESTERFIELD						HOG CRK		3117000000 HGCR39		6		
WR231331	0.0	UNIFO19650731		1	2	0.0000	C2313_2	C231362313001				IRA
H. WESTERFIELD						HOG CRK		3117000000 HGCR39		6		
WSRC2313	5.0	0.5228	0.8206	0	0							
WR231432	0.0	UNIFO19301231		1	2	0.0000	C2314_1	C231462314302				"RAINBOW
LAKE, INCORPORATED"						UNNAMED TRIB		3115300000 BOWA40		6		
WSRC2314	105.	0.5228	0.8206	0	0							
** Lake Waco												
** The priority of the impoundment for Lake Waco is not explicitly assigned in the paper right. However, the Final												
** Adjudication for the Bosque River Watershed clearly assigns the priority for impoundment at 1/10/1929.												
** Added industrial use												
** New code to handle evap												
**												
WR509431	39100.	MUN219290110		1	4	R50941 110711	C2315_1	C231562315001				CITY
OF WACO						BOSQUE RIVER		3095000000 BOWA40		6		
WSLKWACO	39100.									2		
PX	3											
WR509431	19100.	MUN219580416		1	4	R50941 110711	C2315_2	C231562315001				CITY
OF WACO						BOSQUE RIVER		3095000000 BOWA40		6		
WS WACO2	65000.									2	-1	
PX	3											
WR509431	900.	IRR219790221		1	2	0.0000	C2315_3	C231562315001				CITY
OF WACO						BOSQUE RIVER		3095000000 BOWA40		6		
WS WACO2	65000.									2	-1	
PX	3											
** Lake Waco Enlargement												
WR509431	20082.	MUN219860912		1	4	R50941 110711	P5094_1	P509415094001				CITY
OF WACO						BOSQUE RIVER		3095100000 BOWA40		6		
WS WACO4	72647.									2	-1	
PX	3											
WR509431	688.	MUN219880121		1	4	R50941 110711	P5094_2	P509415094001				CITY
OF WACO						BOSQUE RIVER		3095100000 BOWA40		6		
WS WACO4	72647.									2	-1	
PX	3											
**WR509431	000.	MUN299999999		1	4	R50941 110711	P5094_3	P509415094001				CITY
OF WACO						BOSQUE RIVER		3095100000 BOWA40		6		
**WS WACO5	14400.									2	-1	
**PX	3											
**												
WR509431		40050101					1BUCLIF_MERI					
WS WACO4	72647.									2	-1	
BU	0					P5551						
BU	0					P5899						
PX	2											
WR509431		999999999					C2315_4	C231562315001				CITY
OF WACO						BOSQUE RIVER		3095000000 BOWA40		6		
WSLKWACO	39100.					00000				2		
WR509431		999999999					C2315_5	C231562315001				CITY
OF WACO						BOSQUE RIVER		3095000000 BOWA40		6		
WS WACO2	65000.					00000				2	-1	
WR509431		999999999					P5094_4	P509415094001				CITY
OF WACO						BOSQUE RIVER		3095100000 BOWA40		6		
WS WACO4	72647.									2	-1	
**WR509431		999999999					P5094_5	P509415094001				CITY
OF WACO						BOSQUE RIVER		3095100000 BOWA40		6		
**WS WACO5	14400.					00000				2	-1	
**												
** end FNI change												
**												
WR231601	193.	IRR219251030		1	2	0.0000	C2316_1	C231662316001				C.
L. SLIGH FARMS						BOSQUE RIVER		3070000000 BOWA40		6		
WR231801	35.0	IRR219571231		1	2	0.0000	C2318_1	C231862318001				FRANK
W SIPAN ET AL						BOSQUE RIVER		3045250000 BRWA41		6		
WR231701	248.	IRR219181120		1	2	0.0000	C2317_1	C231762317001				CHARLOTTE
B JOHNSON ET AL						BOSQUE RIVER		3045101000 BRWA41		6		
WR362701	13.0	IRR219670115		1	2	0.0000	C3627_1	C362763627001				DINAH
KAY DENSMAN ET AL						LEON RIVER		2398000000 LEHS45		7		
WR362601	160.	IRR219630715		1	2	0.0000	C3626_1	C362663626001				WOLFE
PECANLANDS INC						LEON RIVER		2395000000 LEHS45		7		

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WR362931	48.0	IRR219750908	1	2	0.0000		C3629_1	C362963629001			BOBBY
& LINDA SIKES						WALNUT CRK		2391000000	LEHM46	7	
WSRC3629	50.0	0.5228	0.8206		0	0					
WR363001	30.0	IRR219291231	1	2	0.0000		C3630_1	C363063630001			J
H VAN ZANT						LEON RIVER		2390100000	LEHM46	7	
WR363101	50.0	IRR219660731	1	2	0.0000		C3631_1	C363163631001			J
Z STARK						LEON RIVER		2389900000	LEHM46	7	
WR363201	3.0	IRR219670610	1	2	0.0000		C3632_1	C363263632001			RANDLE
JOE EVANS						LEON RIVER		2389770000	LEHM46	7	
WR363301	61.0	IRR219670531	1	2	0.0000		C3633_1	C363363633001			DONALD
DEE SALTER ET AL						LEON RIVER		2389750000	LEHM46	7	
WR363401	31.0	IRR219640731	1	2	0.0000		C3634_1	C363463634001			BEATRICE
LOGGINS						LEON RIVER		2389330000	LEHM46	7	
WR363501	84.0	IRR219520630	1	2	0.0000		C3635_1	C363563635001			JOE
RILEY						LEON RIVER		2389300000	LEHM46	7	
WR363733	450.	IRR219461231	1	2	0.0000		C3637_1	C363763637003			GORES
INCORPORATED						INDIAN CRK		2389240000	LEHM46	7	
WSRC3637	29.0	0.5228	0.8206		0	0					
WR363741	0.0	IRR219760802	1	2	0.0000		C3637_2	C363763637001			GORES
INCORPORATED						INDIAN CRK		2389240000	LEHM46	7	
WSC36371	55.0	0.2710	0.8958		0	0					
SO						BACKUP					
WR363831	40.0	IRR219581231	1	2	0.0000		C3638_1	C363863638001			J
B GUNTER & P D GUNTER						INDIAN CRK		2388800000	LEHM46	7	
WSRC3638	25.0	0.5228	0.8206		0	0					
WR363941	35.0	IRR219510731	1	2	0.0000		C3639_1	C363963639001			GAIL
W & MARY L YORK						INDIAN CRK		2388750000	LEHM46	7	
WSRC3639	4.5	0.2710	0.8958		0	0					
WR364031	23.0	IRR219631231	1	2	0.0000		C3640_1	C364063640001			SCOTT
G. SALTER						INDIAN CRK		2388650000	LEHM46	7	
WSRC3640	4.0	0.5228	0.8206		0	0					
WR364131	0.0	D&L219731029	1	2	0.0000		C3641_1	C364163641301			BERRY
RAY BINGHAM						DARGAN CRK		2388580000	LEHM46	7	
WSRC3641	30.0	0.5228	0.8206		0	0					
WR364201	9.0	IRR219600731	1	2	0.0000		C3642_1	C364263642001			CARL
DWAIN HALL						INDIAN CRK		2388530000	LEHM46	7	
WR364334	69.0	IRR219530430	1	2	0.0000		C3643_1	C364363643004			JOHN
PAUL MCCULLOUGH ET UX						SALT CRK		2388400000	LEHM46	7	
WSRC3643	36.0	0.5228	0.8206		0	0					
WR364531	18.0	IRR219710712	1	2	0.0000		C3645_1	C364563645001			MARK
& SHERRI GUNTER						SALT CRK		2388380000	LEHM46	7	
WSRC3645	18.0	0.5228	0.8206		0	0					
** 24 acft diversion from 24 acft reservoir has expired.											
WR364532	0.0	IRR219801006	1	2	0.0000		C3645_2	C364563645001			MARK
& SHERRI GUNTER						SALT CRK		2388380000	LEHM46	7	
WSC36451	24.0	0.5228	0.8206		0	0					
WR364601	7.0	IRR219670630	1	2	0.0000		C3646_1	C364663646001			THOMAS
E LUKER						LEON RIVER		2388360000	LEHM46	7	
WR363601	40.0	IRR219520731	1	2	0.0000		C3636_1	C363663636001			GAYLAND
STEPHENS ET UX						LEON RIVER		2388330000	LEHM46	7	
WR364732	41.0	IRR219540930	1	2	0.0000		C3647_1	C364763647002			DONALD
W MOORE						BAGGETT CRK		2388290000	LEHM46	7	
WSRC3647	126.	0.5228	0.8206		0	0					
WR364801	49.0	IRR219520831	1	2	0.0000		C3648_1	C364863648001			EVA
F MOORE						BAGGETT CRK		2388270000	LEHM46	7	
WR364802	0.0	IRR219520831	1	2	0.0000		C3648_2	C364863648002			EVA
F MOORE						BAGGETT CRK		2388270000	LEHM46	7	
SO						BACKUP					
WR364841	0.0	UNIFO19520831	1	2	0.0000		C3648_3	C364863648001			EVA F
MOORE						BAGGETT CRK		2388270000	LEHM46	7	
WSRC3648	6.0	0.5228	0.8206		0	0					
WR364901	130.	IRR219500630	1	2	0.0000		C3649_1	C364963649001			CULLEN
STEPHENS						LEON RIVER		2388150000	LEHM46	7	
WR365041	34.0	IRR219640731	1	2	0.0000		C3650_1	C365063650001			GUY E
MOORE						LEON RIVER		2388100000	LEHM46	7	
WSRC3650	7.5	0.5228	0.8206		0	0					
WR365201	8.0	IRR219640731	1	2	0.0000		C3652_1	C365263652001			O
A DICKEY						LEON RIVER		2387850000	LEHM46	7	
WR365101	107.	IRR219610731	1	2	0.0000		C3651_1	C365163651001			JOHN
R MOORE ET UX						LEON RIVER		2386000000	LEHM46	7	
WR365101	15.0	IRR219610731	1	2	0.0000		C3651_2	C365163651001			JOE
D MOORE						LEON RIVER		2386000000	LEHM46	7	
**WR365301	12.0	IRR219630831	1	2	0.0000		C3653_1	C365363653001			LARRY
WAYNE ADAMS						LEON RIVER		2385900000	LEHM46	7	
WR365303	12.0	IRR219630831	1	2	0.0000		C3653_1	C365363653001			LARRY
WAYNE ADAMS						LEON RIVER		2385900000	LEHM46	7	
WR365303	700.	IRR219531231	1	2	0.0000		C3653_2	C365363653001			ESTATE
OF WAYNE ADAMS; GRACE OLENA ADAMS						LEON RIVER		2379460000	LEHM46	7	
WR365303	258.	IRR219650131	1	2	0.0000		C3653_3	C365363653001			GRACE
OLENA ADAMS						LEON RIVER		2379480000	LEHM46	7	
IF365301	6901	3653A20020812				1	IFC3653_1N				
IF281421	8329	3653B20020812				1	IFC3653_2N				
WR365402	65.3	IRR219630731	1	2	0.0000		C3654_1	C365463654002			CAROLYN
HAYES TRUSTEE						LEON RIVER		2385850000	LEHM46	7	

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WR283602	87.0	IRR219671231	1	2	0.0000		C2836_1	C283662836002			NELSON
SHAVE						LEON RIVER		2378000000	LEHM46	7	
WR283801	37.0	IRR219611231	1	2	0.0000		C2838_1	C283862838001			ED
A ROSS ET AL						LEON RIVER		2377900000	LEHM46	7	
WR283702	136.4	IRR219580531	1	2	0.0000		C2837_1	C283762837002			WADE
N CARAWAY						LEON RIVER		2377950000	LEHM46	7	
** The priority of this portion of C2837 is 19580531 at diversion point "B". However, the certificate											
** states that the diversion is junior to C2838. Subordination was not modeled.											
WR283702	47.0	IRR219580531	1	2	0.0000		C2837_2	C283762837002			WADE
N CARAWAY						LEON RIVER		2377950000	LEHM46	7	
WR283901	40.0	IRR219611231	1	2	0.0000		C2839_1	C283962839001			ED
A ROSS ET AL						LEON RIVER		2377800000	LEHM46	7	
WR284031	0.0	UNIFO19781106	1	2	0.0000		C2840_1	C284062840001			ED
A ROSS ET AL						LEON RIVER		2377750000	LEHM46	7	
WSRC2840	13.0	0.5228	0.8206	0	0						
** The priority of this right is 19540831, but in the amendment the diversion location was											
** changed and this right was made junior to several intervening rights. The right was moved											
** downstream in the file to portray the diversion location, but the subordination was not modeled.											
WR283002	30.0	IRR219540831	1	2	0.0000		C2830_2	C283062830002			DON
GROMATZKY						LEON RIVER		2377630000	LEHM46	7	
WR283501	294.	IRR219580531	1	2	0.0000		C2835_1	C283562835001			HARTENSE
NORTH						LEON RIVER		2377500000	LEHM46	7	
WR284131	26.7	IRR219650831	1	2	0.0000		C2841_1	C284162841001			WALTER
E & JOYCE SWINDLE						RESLEY CRK		2377250000	LEHM46	7	
WSRC2841	71.0	0.5228	0.8206	0	12						
WR284131	4.3	IRR219650831	1	2	0.0000		C2842_1	C284262841001			BILLY
JACK & PATSY TYUS						RESLEY CRK		2377100000	LEHM46	7	
WSRC2841	71.0	0.5228	0.8206	0	12						
**WR539031	48.0	IRR219911126	1	2	0.0000		P5390_1	P539015300001			JOE
M RILEY ET UX						RESLEY CRK		2376000000	LEHM46	A 7	
**WSRP5390	66.0	0.5228	0.8206	0	0						
WR284331	29.0	IRR219670130	1	2	0.0000		C2843_1	C284362843001			DEBORAH
VINES						KIRKENDELL CRK		2375100000	LEHM46	7	
WSRC2843	59.0	0.5228	0.8206	0	0						
WR284331	29.0	IRR219670130	1	2	0.0000		C2844_1	C284462843001			BOBBY
JOHN FOSTER						KIRKENDELL CRK		2375000000	LEHM46	7	
WSRC2843	59.0	0.5228	0.8206	0	0						
WR284531	27.5	IRR219680610	1	2	0.0000		C2845_1	C284562845001			BOBBY
JOHN FOSTER						RESLEY CRK		2374100000	LEHM46	7	
WSRC2845	55.0	0.5228	0.8206	0	0						
WR284531	27.5	IRR219680610	1	2	0.0000		C2846_1	C284662845001			GUY
G HALL						RESLEY CRK		2374000000	LEHM46	B 7	
WSRC2845	55.0	0.5228	0.8206	0	0						
WR284632	10.5	IRR219710614	1	2	0.0000		C2846_2	C284662846002			GUY
G HALL						RESLEY CRK		2374000000	LEHM46	7	
WSRC2846	15.0	0.5228	0.8206	0	0						
WR284731	13.0	IRR219661231	1	2	0.0000		C2847_1	C284762847001			G
G HALL						RESLEY CRK		2373900000	LEHM46	7	
WSRC2847	2.6	0.5228	0.8206	0	0						
WR284831	31.5	IRR219710405	1	2	0.0000		C2848_1	C284862848001			M
D STEPHEN						SAWYER BR		2373300000	LEHM46	7	
WSRC2848	71.0	0.5228	0.8206	0	0						
WR284831	31.5	IRR219710405	1	2	0.0000		C2849_1	C284962848001			J
& J DAIRY & BYRON JONES ET AL						SAWYER BR		2373290000	LEHM46	7	
WSRC2848	71.0	0.5228	0.8206	0	0						
WR285031	29.0	IRR219661231	1	2	0.0000		C2850_1	C285062850002			J
A HULSEY						DUTCHMAN CRK		2372000000	LEHM46	7	
WSRC2850	24.0	0.5228	0.8206	0	0						
WR285001	0.0	IRR219661231	1	2	0.0000		C2850_2	C285062850001			J
A HULSEY						DUTCHMAN CRK		2372000000	LEHM46	7	
SO						BACKUP					
WR285132	72.0	IRR219451231	1	2	0.0000		C2851_1	C285162851002			J
W BARBEE						LONG BR CRK		2371000000	LEHM46	7	
WSRC2851	164.	0.5228	0.8206	0	0						
WR285132	87.0	IRR219660801	1	2	0.0000		C2851_2	C285162851002			J
W BARBEE						LONG BR CRK		2371000000	LEHM46	7	
WSRC2851	164.	0.5228	0.8206	0	0						
WR285203	149.	IRR219641231	1	2	0.0000		C2852_1	C285262852003			DEAN
H BOTTLINGER ET UX						RESLEY CRK		2366300000	LEHM46	7	
WR285302	52.0	IRR219571231	1	2	0.0000		C2853_1	C285362853002			GAYLON
D & CLARA JONES						RESLEY CRK		2366000000	LEHM46	7	
WR285401	44.0	IRR219631231	1	2	0.0000		C2854_1	C285462854001			ERNEST
L NEWSOM						LEON RIVER		2355880000	LEHM46	7	
WR285502	91.0	IRR219461231	1	2	0.0000		C2855_1	C285562855002			LARRY
WAYNE ADAMS						LEON RIVER		2355840000	LEHM46	7	
WR285602	1.0	IRR219541231	1	2	0.0000		C2856_1	C285662856002			JACK
D GRAHAM						LEON RIVER		2355800000	LEHM46	7	
WR285703	153.	IRR219551231	1	2	0.0000		C2857_1	C285762857003			J
L ROBERSON JR ET AL						LEON RIVER		2355780000	LEHM46	7	
WR285802	18.0	IRR219671231	1	2	0.0000		C2858_1	C285862858002			J
L ROBERSON JR ET AL						LEON RIVER		2355770000	LEHM46	7	
WR285903	98.0	IRR219651231	1	2	0.0000		C2859_1	C285962859003			LARRY
A DUNN ET UX						LEON RIVER		2355750000	LEHM46	7	

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WR286131	1.0	IRR219671231	1	2	0.0000					C2861_1	C286162861001			ACY
L WATSON						S MESQUITE CRK					2355600000	LEHM46	7	
WSRC2861	5.0	0.5228	0.8206		0	0								
WR286003	15.0	IRR219361231	1	2	0.0000					C2860_1	C286062860003			EARL&
ORENA KAVANAUGH & MAURINE K WATTS						LEON RIVER					2355500000	LEHM46	7	
WR286203	15.0	IRR219551031	1	2	0.0000					C2862_1	C286262862003			TOM
J THOMPSON						LEON RIVER					2348700000	LEGT47	7	
ML	55.	49.	55.	53.	27.	0.	0.	0.	0.	26.	55.	53.	55.	
WR286311	43.0	IRR219611231	1	2	0.0000					C2863_1	C286362863101			RIVERSIDE
ACQUISITIONS LLC						LEON RIVER					2348650000	LEGT47	7	
WR286402	185.	IRR219341231	1	2	0.0000					C2864_1	C286462864002			K
A SPARKS ET AL						LEON RIVER					2348251000	LEGT47	7	
WR286505	169.	IRR219341231	1	2	0.0000					C2865_1	C286562865005			RIVERSIDE
ACQUISITIONS LLC						LEON RIVER					2348250000	LEGT47	7	
WR286601	82.0	IRR219391231	1	2	0.0000					C2866_1	C286662866001			RIVERSIDE
ACQUISITIONS LLC						LEON RIVER					2347300000	LEGT47	7	
WR286701	4.0	IRR218891231	1	2	0.0000					C2867_1	C286762867001			GERALDINE
D WARREN ET AL						LEON RIVER					2345750000	LEGT47	7	
WR286803	50.0	IRR219081231	1	2	0.0000					C2868_1	C286862868003			ARVORD
M ABERNETHY						LEON RIVER					2345500000	LEGT47	7	
** Do not model this right. Only allowed to impound water purchased from BRA (Lake Proctor).														
**WR382631	0.0	UNIFO19810511	1	2	0.0000					P3826_1	P382613826301			UPPER
LEON MWD						LEON RIVER					2342100000	LEGT47	7	
**WSRP3826	45.0	0.8109	0.6681		0	0								
WR286901	105.	IRR219621231	1	2	0.0000					C2869_1	C286962869001			BETTY
JEAN HARRIS TOOLEY						LEON RIVER					2342050000	LEGT47	7	
WR287031	614.	MUN219230122	1	2	0.0000					C2870_1	C287062870001			CITY
OF HAMILTON						TWO MILE CRK					2340000000	LEGT47	7	
WSRC2870	614.	0.5228	0.8206		0	0								
WR287133	72.0	IRR219441231	1	2	0.0000					C2871_1	C287162871003			"SETH
THOMAS MOORE, SR., ET AL"						TWO MILE CRK					2339501000	LEGT47	7	
WSRC2871	15.0	0.5228	0.8206		0	0								
WR287133	2.5	IND219441231	1	2	0.0000					C2872_1	C287262871003			SETH
MOORE						TWO MILE CRK					2339500000	LEGT47	7	
WSRC2871	15.0	0.5228	0.8206		0	0								
WR287311	20.0	IRR219641231	1	2	0.0000					C2873_1	C287362873101			R
F MANNING						LEON RIVER					2336000000	LEGT47	7	
WR287531	54.0	IRR219581231	1	2	0.0000					C2875_1	C287562875002			LEONARD
T WARLICK ET UX						ALEXANDER CRK					2335200000	LEGT47	7	
WSRC2875	75.0	0.5228	0.8206		0	0								
WR287531	85.0	IRR219541231	1	2	0.0000					C2874_1	C287462875001			HARRIET
MEAD HAVENS						LEON RIVER					2335100000	LEGT47	7	
WSRC2875	75.0	0.5228	0.8206		0	0								
WR287604	15.0	IRR219631231	1	2	0.0000					C2876_1	C287662876004			CHARLES
CRAIG JR						LEON RIVER					2334800000	LEGT47	7	
WR287801	37.0	IRR219571231	1	2	0.0000					C2878_1	C287862878001			O
C & WILLIE NADINE MARSHALL						FARNASH CRK					2334600000	LEGT47	7	
WR287802	0.0	IRR219571231	1	2	0.0000					C2878_2	C287862878002			O
C & WILLIE NADINE MARSHALL						FARNASH CRK					2334600000	LEGT47	7	
SO						BACKUP								
WR287931	46.0	IRR219601231	1	2	0.0000					C2879_1	C287962879004			PAUL
F MCCLINTON						LEON RIVER					2334300000	LEGT47	7	
WSRC2879	12.0	0.5228	0.8206		0	0								
WR287901	93.0	IRR219601231	1	2	0.0000					C2879_2	C287962879001			PAUL
F MCCLINTON						LEON RIVER					2334300000	LEGT47	7	
WR287711	150.	IRR219541231	1	2	0.0000					C2877_1	C287762877101			THOMAS
E MURDOCK ESTATE						LEON RIVER					2333000000	LEGT47	7	
WR288001	19.0	IRR219451231	1	2	0.0000					C2880_1	C288062880001			BILLY
R FISHER ET UX						LEON RIVER					2332500000	LEGT47	7	
**IF288001	12308.	UNIFO19900817							1					IFC2880_1
A														
**WR288001	116.	IRR219900817	1	2	0.0000					C2880_2	C288062880001			BILLY
R FISHER ET UX						LEON RIVER					2332500000	LEGT47	7	A
WR288101	124.	IRR219631231	1	2	0.0000					C2881_1	C288162881001			MOODY
E COURTNEY						LEON RIVER					2332200000	LEGT47	7	
WR288301	5.0	IRR219601231	1	2	0.0000					C2883_1	C288362883001			DAVID
C COURTNEY						LEON RIVER					2331000000	LEGT47	7	
WR288201	196.	IRR219501231	1	2	0.0000					C2882_1	C288262882001			JOHN
C COURTNEY ET UX						LEON RIVER					2330900000	LEGT47	7	
WR288411	200.	IRR219541231	1	2	0.0000					C2884_1	C288462884101			JOHN
C COURTNEY ET UX						LEON RIVER					2330750000	LEGT47	7	
WR288501	71.0	IRR219661231	1	2	0.0000					C2885_1	C288562885001			MOODY
E COURTNEY						LEON RIVER					2330500000	LEGT47	7	
WR288701	30.0	IRR219640731	1	2	0.0000					C2887_1	C288762887001			JOE
TRUETT LIGHTSEY ET AL						LEON RIVER					2318500000	LEGT47	7	
WR288801	2.0	IRR219291231	1	2	0.0000					C2888_1	C288862888001			GEORGE
T REYNOLDS III ET UX						LEON RIVER					2318000000	LEGT47	7	
WR288601	10.0	IRR219661231	1	2	0.0000					C2886_1	C288662886001			W
J ALEXANDER						LEON RIVER					2317000000	LEGT47	7	
WR289001	8.0	IRR219631231	1	2	0.0000					C2890_1	C289062890001			DON
THOMAS ROGERS						LEON RIVER					2315400000	LEGT47	7	
WR289101	57.0	IRR219640831	1	2	0.0000					C2891_1	C289162891001			W
F MORELAND BY PASS TRUST						LEON RIVER					2311300000	LEGT47	7	

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WR289201	32.0	IRR219571231	1	2	0.0000		C2892_1	C289262892001		W
N & MARY JANE WHISENHUNT						LEON RIVER		2310500000	LEGT47	7
WR289301	10.0	IRR219180801	1	2	0.0000		C2893_1	C289362893001		SEABORN
L ASHBY						LEON RIVER		2310000000	LEGT47	7
WR289401	2.0	IRR219651231	1	2	0.0000		C2894_1	C289462894001		SAN
PABLO CORPORATION						LEON RIVER		2309700000	LEGT47	7
WR289501	29.0	IRR219591231	1	2	0.0000		C2895_1	C289562895001		WILLIAM
TRAVIS LAXSON						PLUM CRK		2305000000	LEGT47	7
WR289503	0.0	IRR219591231	1	2	0.0000		C2895_2	C289562895003		WILLIAM
TRAVIS LAXSON						PLUM CRK		2305000000	LEGT47	7
SO	29.0					BACKUP				
WR289601	124.	IRR219651231	1	2	0.0000		C2896_1	C289662896001		MARGARET
CALLAWAY						MUSTANG CRK		2302000000	LEGT47	7
WR289701	8.0	IRR219671231	1	2	0.0000		C2897_1	C289762897001		R
H MELTON						PLUM CRK		2300800000	LEGT47	7
WR289801	23.0	IRR219251231	1	2	0.0000		C2898_1	C289862898001		DONALD
J MACKIE ET UX & GLENNIS G EGGER						LEON RIVER		2275000000	LEGT47	7
** Certificate can only divert water that is discharged from groundwater sources. No wastewater										
** plant discharges greater than .9 MGD are located in the vicinity upstream of the diversion										
** locations of this right. Model this 70 acft diversion with a zero acft diversion.										
WR289901	0.0	IRR219710125	1	2	0.0000		C2899_1	C289962899001		TEXAS
DEPT OF CRIMINAL JUSTICE						LEON RIVER		2257650000	LEGT47	7
WR290001	14.0	IRR219641231	1	2	0.0000		C2900_1	C290062900001		CHARLES
C POWELL						LEON RIVER		2257600000	LEGT47	7
WR290101	100.	IRR219651231	1	2	0.0000		C2901_1	C290162901001		JACK
& MINNIE MORSE						LEON RIVER		2256000000	LEGT47	7
WR290201	18.0	IRR219571231	1	2	0.0000		C2902_1	C290262902001		QUENTIN
G MCCORKLE ET UX						LEON RIVER		2230500000	LEBE49	7
WR290311	530.	IRR219131108	1	2	0.0000		C2903_1	C290362903101		GLENROOK
FARMS						LEON RIVER		2230000000	LEBE49	7
WR290401	40.0	IRR219391231	1	2	0.0000		C2904_1	C290462904001		STERLIN
J BARNARD						LEON RIVER		2222200000	LEBE49	7
WR290501	14.0	IRR219671231	1	2	0.0000		C2905_1	C290562905001		DAN
G DAVIDSON ESTATE						CORYELL CRK		2219000000	LEBE49	7
WR290601	36.0	IRR219250806	1	2	0.0000		C2906_1	C290662906001		THELMA
R CARTER						LEON RIVER		2200000000	LEBE49	7
WR290801	22.0	IRR219671231	1	2	0.0000		C2908_1	C290862908001		DAN
G DAVIDSON						LEON RIVER		2198500000	LEBE49	7
WR290701	237.	IRR219581231	1	2	0.0000		C2907_1	C290762907001		LEO
LUEDTKE ET UX						LEON RIVER		2195800000	LEBE49	7
WR290701	150.	IRR219581231	1	2	0.0000		C2907_2	C290762907001		DENNIS
CHARLES LUEDTKE ET AL						LEON RIVER		2195800000	LEBE49	7
WR290902	26.0	IRR219650722	1	2	0.0000		C2909_1	C290962909002		RUDOLF
DROSCHKE						LEON RIVER		2195700000	LEBE49	7
WR291001	77.0	IRR219631231	1	2	0.0000		C2910_1	C291062910001		CARL
DROSCHKE						LEON RIVER		2195500000	LEBE49	7
WR291101	74.0	IRR219630430	1	2	0.0000		C2911_1	C291162911001		GLENN
DIPPEL ET AL & JOHN SHAUD ET UX						LEON RIVER		2195000000	LEBE49	7
WR281301	153.	IRR219650722	1	2	0.0000		C2813_1	C281362813001		RUDOLPH
CARL DROSCHKE JR						LEON RIVER		2194000000	LEBE49	7
WR291401	18.0	IRR219281231	1	2	0.0000		C2914_1	C291462914001		PAT
& MABEL RUTH GRIMES						LEON RIVER		2191300000	LEBE49	7
WR291511	38.0	IRR219590331	1	2	0.0000		C2915_1	C291562915101		ROBERT
L MOORE						FLINT CRK		2186000000	LEBE49	7
WR291611	53.0	IRR219590531	1	2	0.0000		C2916_1	C291662916101		LEE
ROY SCHWARTZ						COWHOUSE CRK		2179900000	COPI48	7
WR291731	25.0	IRR219630331	1	2	0.0000		C2917_1	C291762917001		WILFORD
& RUTH WITZSCHE						W BR COWHOUSE CRK		2179880000	COPI48	7
WSRC2917	8.0	0.5228	0.8206							
WR291831	20.0	IRR219490430	1	2	0.0000		C2918_1	C291862918101		PAMELA
ANN MARWITZ POPE ET AL						COWHOUSE CRK		2179870000	COPI48	7
WSRC2918	2.0	0.5228	0.8206							
WR291931	27.0	IRR219580430	1	2	0.0000		C2919_1	C291962919002		FRITZ
HOPPER						WASHBOARD CRK		2179850000	COPI48	7
WSRC2919	7.5	0.5228	0.8206							
WR292031	12.0	IRR219650531	1	2	0.0000		C2920_1	C292062920002		DOUG
HOPPER						WASHBOARD CRK		2179800000	COPI48	7
WSRC2920	6.0	0.5228	0.8206							
WR292103	28.0	IRR219670331	1	2	0.0000		C2921_1	C292162921003		W
J & ANITA FAYE HOPPER						COWHOUSE CRK		2179750000	COPI48	7
WR292202	9.0	IRR219660630	1	2	0.0000		C2922_1	C292262922002		LEE
R HOPPER						COWHOUSE CRK		2179700000	COPI48	7
WR292301	12.5	IRR219131231	1	2	0.0000		C2923_1	C292362923001		HENRY
MARWITZ ET AL						COWHOUSE CRK		2179600000	COPI48	7
WR292301	32.5	IRR219131231	1	2	0.0000		C2923_2	C292362923001		BILLY
H ROBERTS ET UX						COWHOUSE CRK		2179600000	COPI48	7
WR292431	59.0	IRR219660531	1	2	0.0000		C2924_1	C292462924002		JERRY
W & BONNIE JEAN HOPPER						COWHOUSE CRK		2179500000	COPI48	7
WSRC2924	3.0	0.5228	0.8206							
WR292611	13.0	IRR219380531	1	2	0.0000		C2926_1	C292662926101		WILLIAM
JACKSON WISDOM						COWHOUSE CRK		2179430000	COPI48	7
WR292711	9.0	IRR219500630	1	2	0.0000		C2927_1	C292762927101		ELVIN
L GENTRY ET UX						COWHOUSE CRK		2179270000	COPI48	7

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WR516031 10469.  MUN219631216  1  4  RBLSH1  104702          C5160_13  C516065160001          BRAZOS
RIVER AUTHORITY          LEON RIVER          2120000000  LEBE49          7
WSBRABEL 408871.          0          3  -1
**PX 1
WR516031 5411.  MUN219631216  1  2  0.0000          C5160_14  C516065160001          BRAZOS
RIVER AUTHORITY          LEON RIVER          2120000000  LEBE49          7
WSBRABEL 408871.          0          3  -1
**PX 1
WR516031 200.  MUN219631216  1  2  0.0000          C5160_15  C516065160001          BRAZOS
RIVER AUTHORITY          LEON RIVER          2120000000  LEBE49          7
WSBRABEL 408871.          0          3  -1
**PX 1
WR516031 2365.  IND219631216  1  2  0.0000          C5160_16  C516065160001          BRAZOS
RIVER AUTHORITY          LEON RIVER          2120000000  LEBE49          7
WSBRABEL 408871.          0          3  -1
**PX 1
WR516031 1070.  IRR219631216  1  2  0.0000          C5160_17  C516065160001          BRAZOS
RIVER AUTHORITY          LEON RIVER          2120000000  LEBE49          7
WSBRABEL 408871.          0          3  -1
**PX 1
WR516031 0.0  MIN219631216  1  2  0.0000          C5160_18  C516065160001          BRAZOS
RIVER AUTHORITY          LEON RIVER          2120000000  LEBE49          7
WSBRABEL 408871.          0          3  -1
**PX 1
WR516031 0.0  UNIFO19631216  1  2  0.0000          C5160_19  C516065160001          BRAZOS
RIVER AUTHORITY          LEON RIVER          2120000000  LEBE49          7
WSBRABEL 408871.          0          3  -1
**PX 1
**
WR516031          99999999  1  2  0.0000          bel_evap_1  C293662936001
WSBELTON 12000.          0          3
PX 1
WR516031          99999999  1  2  0.0000          bel_evap_1  C293662936001
WSBELTON 12000.          0          3
PX 2
WR516031          99999999  1  2  0.0000          bel_evap_2  C516065160001
WSBRABEL 408871.          0          3  -1
PX 1
WR516031          99999999  1  2  0.0000          bel_evap_2  C516065160001
WSBRABEL 408871.          0          3  -1
PX 2
** SysOp Change:
** Calculate the total depletion for water right 5160.
**WRSR5160          19631216          Compute Dep 5160  SYSTEM
**TO 6 1.0 ADD          C5160_1  CONT
**TO 6 1.0 ADD          C5160_2  CONT
**TO 6 1.0 ADD          C5160_3  CONT
**TO 6 1.0 ADD          C5160_4  CONT
**TO 6 1.0 ADD          C5160_5  CONT
**TO 6 1.0 ADD          C5160_6  CONT
**TO 6 1.0 ADD          C5160_7  CONT
**TO 6 1.0 ADD          C5160_8  CONT
**TO 6 1.0 ADD          C5160_9  CONT
**TO 6 1.0 ADD          C5160_10  CONT
**TO 6 1.0 ADD          C5160_11  CONT
**TO 6 1.0 ADD          C5160_12  CONT
**TO 6 1.0 ADD          C5160_13  CONT
**TO 6 1.0 ADD          C5160_14  CONT
**TO 6 1.0 ADD          C5160_15  CONT
**TO 6 1.0 ADD          C5160_16  CONT
**TO 6 1.0 ADD          C5160_17  CONT
**TO 6 1.0 ADD          C5160_18  CONT
**TO 6 1.0 ADD          C5160_19  CONT
**PX 4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
**WRSR5160 9999999          19631216          Depletion 5160  SYSTEM
**PX 5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WR516031          19631216          1.0000  5160DP          Lumped Dep 5160  SYSTEM 1simdep
**TO 11 1.0 ADD          Depletion 5160
**PX 2
** Special code to output storage from first simulation
**WRBE_dum          99999999          1simBEstor  look
**TO 4          SET          BELTON
**PX 4
**WRBE_dum 9999999  XMONTH9999999          2simBEstor  look
**PX 5
**WRBE_dum          99999999          1simBRABEstor  look

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**TO      4          SET                      BRABEL
**PX      4
**WRBE_dum 9999999 XMONTH9999999          2simBRABEstor look
**PX      5
** - End modeling Lake Belton.
**
** end FNI change
WR293701  59.0    IRR219630731  1  2  0.0000          C2937_1  C293762937001          VERNON
& BETTY ANN BARGE          LEON RIVER          2117700000  LEBE49          7
** HALE CLAUSE
IFLEBE49  1810.  UNIFO19830207  1  1          IFP4024_1
WRP40242  300.    IRR219830207  1  2  0.0000          P4024_1  P402414024002          LVGC
INC          LEON RIVER          2114000000  LEBE49          7
WSRP4024  15.0    0.5228  0.8206          0  0
**
** City of Temple
**
** Added industrial use
** FNI change - combined into one to simplify
**
**WR293831  9957.  MUN219151030  1  4  RBLSH1  113181          C2938_1  C293862938001          CITY
OF TEMPLE          LEON RIVER          2110000000  LRLR53          7
WR293831  15804.  MUN219151030  1  2  0.0000          C2938_1  C293862938001          CITY
OF TEMPLE          LEON RIVER          2110000000  LRLR53          7
**WR293831  12500.  MUN219151030  1  2  0.0000          C2938_1  C293862938001          CITY
OF TEMPLE          LEON RIVER          2110000000  LRLR53          7
WSRC2938  500.    0.5228  0.8206          0  0
**WR293831  5847.  MUN219151030  1  4  RBLSH1  104702          C2938_2  C293862938001          CITY
OF TEMPLE          LEON RIVER          2110000000  LRLR53          7
**WSRC2938  500.    0.5228  0.8206          0  0
**WR293831  0.      IND219151030  1  2  0.0000          C2938_3  C293862938001          CITY
OF TEMPLE          LEON RIVER          2110000000  LRLR53          7
**WSRC2938  500.    0.5228  0.8206          0  0
** 20,000 acft is contractual amount with BRA. Do not model.
**WR293831  20000.  MUN219570111  3  2  0.0000          C2938_4  C293862938001          CITY
OF TEMPLE          LEON RIVER          2110000000  LRLR53          7
**WSBELTON  15000.          0
**OR          -1
** FNI change - City of Temple additional water. BRA backup is below
** enter the demand for the year and it will subtract out diversions from previous rights
** note type 3 right, so no depletions
** comment out firm yield scenario
**WR293831  30453.  MUN219151030  3  2  0.0000          C2938_belton  C293862938001
**TO      11      1.0  SUB          C2938_1
** end FNI change
**
** Must return flow upstream of Dam owned by City of Temple. Water returned is available
** for diversion, so place return flow upstream or at diversion location.
** BRA purchased this right from Brazos Electric in 2005. To estimate increased yield in Lake Belton zero this right so water
will not be passed from Belton downstream.
** FNI change - comment out right
**WR293901  38800.  IND219490207  1  1  1.0000  293951          C2939_1  C293962939001          BRAZOS
ELECTRIC COOPERATIVE          LEON RIVER          2080000000  LRLR53          7
**
WR294001  63.0    IRR219650630  1  2  0.0000          C2940_1  C294062940001          "EVELYN
FRANCES BYLER, ET AL"          LEON RIVER          2070500000  LRLR53          7
WR294101  36.0    IRR219661231  1  2  0.0000          C2941_1  C294162941001          SHALLOW
FORD CONSTRUCTION CO          LEON RIVER          2070200000  LRLR53          7
WR533032  187.    IRR219901119  1  2  0.0000          P5330_1  P533015330003          CITY
OF TEMPLE          BIRD CRK          2065060000  LRLR53          7
WSRP5330  211.    0.5228  0.8206          0  0
WR533032  0.0    UNIFO19901119  1  2  0.0000          P5330_2  P533015330003          CITY
OF TEMPLE          BIRD CRK          2065060000  LRLR53          7
WSRP5330  211.    0.5228  0.8206          0  0
** Authorized to impound and divert an unspecified quantity of treated effluent from Bell County WCID 1,
** in addition to 20 acft of state water. Do not include any supply from Bell County WCID 1 in the modeling of this right.
WR294331  20.0    IRR219780731  1  2  0.0000          C2943_1  C294362943001          CITY
OF KILLEEN & Killeen Willows, Inc. Unnamed trib of South Nolan Creek          2049100000  LRLR53          7
WSRC2943  36.0    0.5228  0.8206          0  0
WR294333  0.0    UNIFO19901127  1  2  0.0000          C2943_2  C294362943001          CITY
OF KILLEEN          Unnamed trib of South Nolan Creek          2049100000  LRLR53          7
WSC29432  3.5    0.5228  0.8206          0  0
**IF294302  3766.    IFD07219901127          1          IFC2943_1
A
**WR294333  200.    IRR219901127  1  2  0.0000          C2943_3  C294362943001          CITY
OF KILLEEN          South Nolan Creek          2049100000  LRLR53          A 7
**WSC29431  6.5    0.5228  0.8206          0  0
**WR294333  0.      IRR219901127  1  2  0.0000          C2943_4  C294362943001          CITY
OF KILLEEN          South Nolan Creek          2049100000  LRLR53          A 7
**WSC29431  6.5    0.5228  0.8206          0  0
**SO          294302  BACKUP
** Subject to the availability of sewage effluent in South Nolan Creek.
**IF508801  3664.    IFD07319860819          1          IFP5088_1
A

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WR296401	1.0	IRR319290531	1	2	0.0000			C2964_1	C296462964001			EARL
BROOKS						LAMPASAS RIVER			2038600000 LAKE50	8		
WR296501	34.3	IRR319630630	1	2	0.0000			C2965_1	C296562965001			JIMMIE
E BOULTINGHOUSE ET AL						LAMPASAS RIVER			2038050000 LAKE50	8		
WR296501	18.8	IRR319630630	1	2	0.0000			C2965_2	C296562965001			ROY
LEE BOULTINGHOUSE						LAMPASAS RIVER			2038050000 LAKE50	8		
WR296631	31.0	IRR319630630	1	2	0.0000			C2966_1	C296662966001			MARVIN
E & MARY BLANCHE WHITE						LUCY CRK			2037600000 LAKE50	8		
WSRC2966	4.0	0.5228	0.8206		0							
WR296731	5.0	IRR319631231	1	2	0.0000			C2967_1	C296762967001			H
Y JR & LOIS POLLARD PRICE						LAMPASAS RIVER			2035800000 LAKE50	8		
WSRC2967	40.0	0.5228	0.8206		0							
WR296831	0.0	UNIF019740107	1	2	0.0000			C2968_1	C296862968301			"MARK
J NASH, JR"						DONALDSON CRK			2035600000 LAKE50	8		
WSRC2968	200.0	0.5228	0.8206		0							
WR296902	8.0	IRR319461231	1	2	0.0000			C2969_1	C296962969002			BURRELL
ROITCH						SULPHUR CRK			2035500000 LAKE50	8		
WR297001	2.6	IRR319461231	1	2	0.0000			C2970_1	C297062970001			FRED
WILLIS ET UX						SULPHUR CRK			2035400000 LAKE50	8		
WR297001	51.2	IRR319461231	1	2	0.0000			C2970_2	C297062970001			CHARLES
E BLANTON						SULPHUR CRK			2035400000 LAKE50	8		
WR297001	6.2	IRR319461231	1	2	0.0000			C2970_3	C297062970001			CITY
OF LAMPASAS						SULPHUR CRK			2035400000 LAKE50	8		
WR297102	3760.0	MUN319140623	1	4	RBLSH1	102051		C2971_1	C297162971002			CITY
OF LAMPASAS						SULPHUR CRK			2026000000 LAKE50	8		
WR297231	0.0	IRR319561231	1	2	0.0000			C2972_1	C297262972001			CITY
OF LAMPASAS						SULPHUR CRK			2023000000 LAKE50	8		
WSRC2972	20.0	0.5228	0.8206		0							
WR297231	228.0	IRR319631231	1	2	0.0000			C2972_2	C297262972001			CITY
OF LAMPASAS						SULPHUR CRK			2023000000 LAKE50	8		
WSRC2972	20.0	0.5228	0.8206		0							
WR297231	0.0	UNIF019631231	1	2	0.0000			C2972_3	C297262972001			CITY
OF LAMPASAS						SULPHUR CRK			2023000000 LAKE50	8		
WSRC2972	42.0	0.5228	0.8206		0							
WR297331	6.0	IRR319640331	1	2	0.0000			C2973_1	C297362973001			MELVIN
POTTS						BURLESON CRK			1970400000 LAKE50	8		
WSRC2973	3.0	0.5228	0.8206		0							
WR297401	144.0	IRR319130511	1	2	0.0000			C2974_1	C297462974001			E
C O'NEAL JR						SULPHUR CRK			1960000000 LAKE50	8		
WR297502	46.0	IRR319140613	1	2	0.0000			C2975_1	C297562975002			RAY
A & ELIZABETH K JONES						SULPHUR CRK			1880000000 LAKE50	8		
WR297601	48.0	IND319140626	1	1	0.9792	297601		C2976_1	C297662976001			RAY
A JONES						SULPHUR CRK			1870000000 LAKE50	8		
WR297711	42.0	IRR319140507	1	2	0.0000			C2977_1	C297762977101			CURTIS
KIDD ET UX						SULPHUR CRK			1840000000 LAKE50	8		
WR297831	54.0	IRR319611231	1	2	0.0000			C2978_1	C297862978001			"GUNDERLAND
PARK RANCH, INC"						SULPHUR CRK			1819500000 LAKE50	8		
WSRC2978	15.0	0.5228	0.8206		0							
WR297941	95.0	IRR319151231	1	2	0.0000			C2979_1	C297962979101			JOHN
T HIGGINS						SULPHUR CRK			1791000000 LAKE50	8		
WSRC2979	21.0	0.2710	0.8958		0							
SO	464.0	95.297911										
WR298002	1.0	IRR319260129	1	2	0.0000			C2980_1	C298062980002			ROBERT
L GUYLER						SULPHUR CRK			1790500000 LAKE50	8		
WR298101	6.3	IRR319630531	1	2	0.0000			C2981_1	C298162981001			DOROTHY
N CAPPS						SULPHUR CRK			1759300000 LAKE50	8		
WR298101	45.4	IRR319630531	1	2	0.0000			C2981_2	C298162981001			JOE
D BOYD						SULPHUR CRK			1759300000 LAKE50	8		
WR298101	6.3	IRR319630531	1	2	0.0000			C2981_3	C298162981001			WYLIE
R CAPPS						SULPHUR CRK			1759300000 LAKE50	8		
WR298201	6.0	IRR319630531	1	2	0.0000			C2982_1	C298262982001			A
J DEWAYNE KENDRICK						SULPHUR CRK			1759200000 LAKE50	8		
WR298301	7.0	IRR319630531	1	2	0.0000			C2983_1	C298362983001			RALPH
D & ROBBIE BURROW						SULPHUR CRK			1759000000 LAKE50	8		
WR298401	18.0	IRR319630531	1	2	0.0000			C2984_1	C298462984001			DOYLE
& BARBARA J WALKER						SULPHUR CRK			1754000000 LAKE50	8		
WR298501	18.0	IRR319630531	1	2	0.0000			C2985_1	C298562985001			R
B & FRANCES M PORTER						SULPHUR CRK			1753000000 LAKE50	8		
WR298602	46.8	IRR319190206	1	2	0.0000			C2986_1	C298662986002			JAMES
BUFORD BRIGGS						SULPHUR CRK			1750000000 LAKE50	8		
WR298701	2.0	IRR319140624	1	2	0.0000			C2987_1	C298762987001			ROBERT
C HALLMARK ET AL						SULPHUR CRK			1690000000 LAKE50	8		
WR298802	3.0	IRR319140623	1	2	0.0000			C2988_1	C298862988002			JOE
T & CAROLINE PARKS						LAMPASAS RIVER			1660000000 LAYO51	8		
**IFLAKE50	13381.0	IFD08219970701										IFP5593_1
A												
**WR559311	400.0	IRR319970701	1	2	0.0000			P5593_1	P559315593101			JERRY
W GLAZE ET UX						LAMPASAS RIVER			1650000000 LAYO51	A 8		
WR298901	9.3	IRR319231231	1	2	0.0000			C2989_1	C298962989001			CAROLYN
SUE CAROTHERS						LAMPASAS RIVER			1645300000 LAYO51	8		
WR298901	18.7	IRR319231231	1	2	0.0000			C2989_2	C298962989001			J
BAR E RANCHES LP						LAMPASAS RIVER			1645300000 LAYO51	8		
WR299011	63.0	IRR319660430	1	2	0.0000			C2990_1	C299062990101			HERBERT
A & BARBARA MAAS						LAMPASAS RIVER			1645100000 LAYO51	8		

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** Calculate the total depletion for water right 5161.
**WRSR5161      19631216      Compute Dep 5161  SYSTEM
**TO      6      1.0      ADD      C5161_1      CONT
**TO      6      1.0      ADD      C5161_2      CONT
**TO      6      1.0      ADD      C5161_3      CONT
**TO      6      1.0      ADD      C5161_4      CONT
**TO      6      1.0      ADD      C5161_5      CONT
**TO      6      1.0      ADD      C5161_6      CONT
**TO      6      1.0      ADD      C5161_7      CONT
**PX      4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
**WRSR5161 9999999      19631216      Depletion 5161  SYSTEM
**PX      5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WR516131      19631216      1.0000  5161DP      Lumped Dep 5161  SYSTEM 1simdep
**TO      11      1.0      ADD      Depletion 5161
**PX      2
** Special code to output storage from first simulation
**WRSH_dum      19631216      1simSHstor      look
**TO      4      SET      STLHSE
**PX      4
**WRSH_dum 9999999 XMONTH19631216      2simSHstor      look
**PX      5
** - End modeling Lake Stillhouse Hollow
** end FNI change
** FNI change - Hale clause - 1 in cc 34
IFLABE52 4344. IFD08319840508 1 1 IFP4130_1
WR4130P1 0.0 UNIFO19840508 1 2 0.0000 P4130_1 P413014130001 UNITED
STATES ARMY CORP ENG OLD CHANNEL LAMPASAS RIVER 1629700000 CFHA14 8
WSRP4130 5.0 0.5228 0.8206 0 0
WR4130P1 0 UNIFO19840508 P4130_2 P413014130002
WSRP4130 5 0.5228 0.8206
SO 5 516131 BACKUP
WR300401 50.0 IRR319670802 1 2 0.0000 C3004_1 C300463004001 ESTATE
OF DR JAMIE W BARTON LAMPASAS RIVER 1629500000 LABE52 8
WR300501 5.0 IRR319650630 1 2 0.0000 C3005_1 C300563005001 VAIL
E & BETTY LOGSDON LAMPASAS RIVER 1629100000 LABE52 8
WR300611 48.0 IRR319670430 1 2 0.0000 C3006_1 C300663006101 KARL
B WAGNER ESTATE LAMPASAS RIVER 1629000000 LABE52 8
WR300801 61.0 IRR319500630 1 2 0.0000 C3008_1 C300863008001 ELEANOR
B TUTTLE LAMPASAS RIVER 1628200000 LRLR53 8
WR300705 48.0 IRR319471231 1 2 0.0000 C3007_1 C300763007005 RIVER
FARM LTD LAMPASAS RIVER 1628100000 LRLR53 8
** FNI change - Hale clause - 1 in cc 34
IFLABE52 4344. IFD08319820920 1 1 IFC3007_1
WR300705 192. IRR319820920 1 2 0.0000 C3007_2 C300763007005 RIVER
FARM LTD LAMPASAS RIVER 1628100000 LRLR53 8
WR300901 81.0 IRR319621231 1 2 0.0000 C3009_1 C300963009001 JOSEPH
LEWIS ET UX LAMPASAS RIVER 1628000000 LRLR53 8
** HALE CLAUSE
IFLABE52 4344. IFD08319860718 1 1 IFP5076_1
WR507601 25.0 IRR319860718 1 2 0.0000 P5076_1 P507615076001 HAYNES
CORPORATION LAMPASAS RIVER 1627790000 LRLR53 8
WR301001 10.0 IRR319550630 1 2 0.0000 C3010_1 C301063010001 CLIFFORD
D JONES LAMPASAS RIVER 1627500000 LRLR53 8
** HALE CLAUSE
IFLABE52 4344. IFD08319820920 1 1 IFP4000_1
WRP40001 40.0 IRR319820920 1 2 0.0000 P4000_1 P400014000001 THOMAS
E LOVELACE ET AL LAMPASAS RIVER 1626960000 BRDE29 8
** HALE CLAUSE
IFLABE52 4344. IFD08319820920 1 1 IFP4003_1
WRP40031 29.7 IRR319820920 1 2 0.0000 P4003_1 P400314003001 MIKE
& ITHA LYNNE BERRY LAMPASAS RIVER 1626920000 BRDE29 8
** HALE CLAUSE
IFLABE52 4344. IFD08319820920 1 1 IFP4002_1
WRP40021 32.9 IRR319820920 1 2 0.0000 P4002_1 P400214002001 JOSEPH
B MORROW ET UX LAMPASAS RIVER 1626900000 BRDE29 8
WR400201 7.1 IRR319820920 1 2 0.0000 P4002_2 P400214002001 TIPTON
MALONE MURRELL LAMPASAS RIVER 1626900000 BRDE29 8
WR301101 16.6 IRR319621231 1 2 0.0000 C3011_1 C301163011001 W
J RAY ET UX LAMPASAS RIVER 1625500000 LRLR53 8
WR301101 47.0 IRR319621231 1 2 0.0000 C3011_2 C301163011001 LAWANA
ELLIS ET VIR LAMPASAS RIVER 1625500000 LRLR53 8
WR301101 0.5 IRR319621231 1 2 0.0000 C3011_3 C301163011001 MIKEL
DUPES ET AL LAMPASAS RIVER 1625500000 LRLR53 8
WR301231 0.0 UNIFO19760802 1 2 0.0000 C3012_1 C301263012001 STAGECOACH
INN PROPERTIES INC SALADO CRK 1623948000 LRLR53 8
WSRC3012 9.0 0.5228 0.8206 0 0

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WR301331	168.	IRR319650415	1	2	0.0000			C3013_1	C301363013001			MILL
CREEK GOLF & COUNTRY CLUB						SALADO CRK			1623930000	LRLR53	8	
WSRC3013	10.0	0.5228	0.8206	0	0							
**IF301301	13033.		IFD08419990514				1					IFC3013_1
A												
**WR301301	168.	IRR319990514	1	2	0.0000			C3013_2	C301363013001			MILL
CREEK GOLF & COUNTRY CLUB						SALADO CRK			1623920000	LRLR53	A 8	
WR301431	63.0	IRR318831231	1	2	0.0000			C3014_1	C301463014001			EDWIN
A BAILEY ESTATE						SALADO CRK			1623900000	LRLR53	8	
WSRC3014	6.0	0.5228	0.8206	0	0							
WR301501	36.0	IRR319631231	1	2	0.0000			C3015_1	C301563015001			PAUL
T BOSTON						SALADO CRK			1623250000	LRLR53	8	
IFP37631	4530.	IFD08A19800527										IFP3763_1
WR376331	361.	IRR319800527	1	2	0.0000			P3763_1	P376313763001			PAUL
J MEYER ET AL						SALADO CRK			1623110000	LRLR53	8	
WSRP3763	20.0	0.5228	0.8206	0	0							
** Changed priority date of 240 acft diversion to January 17, 1984												
WR409511	240.	IRR319840117	1	2	0.0000			P4095_1	P409514095101			SIDNEY
KACIR						LITTLE RIVER			1619710000	LRCA58	8	
** HALE CLAUSE												
IFLRLR53	125887.	IFD08519990816	1	1								IFP4095_1
WR409511	308.	IRR319990816	1	2	0.0000			P4095_2	P409514095101			SIDNEY
KACIR						LITTLE RIVER			1619710000	LRCA58	8	
** HALE CLAUSE												
IFLRLR53	12377.	IFD08B19800527	1	1								IFP3762_1
WR376201	100.	IRR319800527	1	2	0.0000			P3762_1	P376213762001			ELLIS
G & JEAN M MARSHALL						LITTLE RIVER			1619600000	LRCA58	8	
WR372501	0.0	UNIFO19770124	1	2	0.0000			C3725_1	C372563725001			OLIN
E TEAGUE VETERANS CENTER						KNOB CRK			1618450000	LRCA58	8	
WSRC3725	96.0	0.5228	0.8206	0	0							
WR372631	5.0	IRR319600731	1	2	0.0000			C3726_1	C372663726001			MOLLIE
H BROOKS ET AL						N DARRS CRK			1617000000	LRCA58	8	
WSRC3726	12.0	0.5228	0.8206	0	0							
WR372631	5.0	IRR319691106	1	2	0.0000			C3726_2	C372663726001			MOLLIE
H BROOKS ET AL						N DARRS CRK			1617000000	LRCA58	8	
WSRC3726	12.0	0.5228	0.8206	0	0							
** HALE CLAUSE												
IFLRCA58	25103.	IFD08619840228	1	1								IFP4109_1
WR410911	400.	IRR319840228	1	2	0.0000			P4109_1	P410914109101			BETTY
KACIR WHEELER						LITTLE RIVER			1615560000	LRCA58	8	
** HALE CLAUSE												
**IFLRLR53	22444.	IFD08719820920										IFP4015_1
**WR401503	700.	IRR319820920	1	2	0.0000			P4015_1	P401514015003			CALVIN
KRAEMER ET AL						LITTLE RIVER			1614810000	LRCA58	8	
** HALE CLAUSE												
** OWNERSHIP CHANGES FROM ONE TO TWO												
IFLRLR53	22444.	IFD08719820920	1	1								IFP4015_1
WR401503	350.	IRR319820920	1	2	0.0000			P4015_1	P401514015003			CALVIN
KRAEMER ET AL						LITTLE RIVER			1614810000	LRCA58	8	
WR401505	350.	IRR319820920	1	2	0.0000			P4015_2	P401514015004			CHAMBERLIN
FAMILY TRUST						LITTLE RIVER			1614810000	LRCA58	8	
** HALE CLAUSE												
** Expired												
**IF550001	200037.	IFD08819940808					1					IFP5500_1
A												
**WR550001	659.	IRR319940808	1	2	0.0000			P5500_1	P550015500001			CALVIN
KRAEMER						LITTLE RIVER			1614790000	LRCA58	A 8	
WR372831	0.0	UNIFO19780605	1	2	0.0000			C3728_1	C372863728301			"PATRICK
J ATKINSON & LARRY J HOWELL						MILL CRK			1610496000	LRCA58	8	
WSRC3728	246.	0.5228	0.8206	0	0							
WR372731	72.0	IRR319771011	1	2	0.0000			C3727_1	C372763727001			"B
R LAUTERBORN, HERMAN NEUSCH"						SERVER BR			1610495000	LRCA58	8	
WSRC3727	173.	0.5228	0.8206	0	0							
WR372741	0.	IND319771011	1	2	0.0000			C3727_2	C372763727001			"DOYR
CORNELISON ET UX, ROBERT OGDEN ET UX"SERVER BR									1610495000	LRCA58	8	
WSC37271	28.	0.2710	0.8958	0	0							
SO						28. 372731						
WR372931	100.	IND319760927	1	2	0.0000			C3729_1	C372963729001			JOE
GLASER						INDIAN HOLLOW			1609530000	LRCA58	8	
WSRC3729	247.	0.4897	0.7633	0	0							
** HALE CLAUSE												
IFLRCA58	25101.	IFD08619850709	1	1								IFP4279_1
WR427902	600.	IRR319850709	1	2	0.0000			P4279_1	P427914279002			HILLIARD
RANCHES INC						LTL RIVER			1609500000	LRCA58	8	
WR427931	150.	IRR319850709	1	2	0.0000			P4279_2	P427914279003			WARRENS
TURF NURSERY INC						LTL RIVER			1609500000	LRCA58	8	
WSRP4279	38.0	0.5228	0.8206	0	0							
** HALE CLAUSE												
**IFLRCA58	39819.	UNIFO19910812					1					IFP4279_2
A												
**WR427901	300.	IRR319910812	1	2	0.0000			P4279_3	P427914279001			HILLIARD
RANCHES INC						LTL RIVER			1609500000	LRCA58	A 8	
WR373031	21.0	IRR319670301	1	2	0.0000			C3730_1	C373063730001			JOE
P (JR) & HENRIETTA CALLAN						BIG CRK			1606000000	NGGE54	8	

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WSRC3730      0.2  0.5228  0.8206      0      0
WR373101     29.0  IRR319621231  1  2  0.0000      C3731_1  C373163731001      REUBEN
FLOYD CLARK      W FRK SAN GABRIEL RIVER      1605950000  NGGE54      8
WR373231      0.0  UNIFO19760517  1  2  0.0000      C3732_1  C373263732301      SAN
GABRIEL RIVER RANCH INC      LACKEY CRK      1605900000  NGGE54      8
WSRC3732     26.0  0.5228  0.8206      0      0
** Right is authorized for municipal, industrial, mining, and irrigation, but since the uses were not
** broken out, all diversions are modeled as municipal.
** FNI change - add System Operation
**
WR516231     4764.  MUN319680212  1  4  R51621  104893      C5162_1  C516265162001      BRAZOS
RIVER AUTHORITY      N FRK SAN GABRIEL RIVER      1601000000  NGGE54      8
WSGRGTWN 37000.
**PX 1
WR516231     2041.  MUN319680212  1  4  R51621  104892      C5162_2  C516265162001      BRAZOS
RIVER AUTHORITY      N FRK SAN GABRIEL RIVER      1601000000  NGGE54      8
WSGRGTWN 37000.
**PX 1
WR516231     3198.  MUN319680212  1  4  R51621  102641      C5162_3  C516265162001      BRAZOS
RIVER AUTHORITY      N FRK SAN GABRIEL RIVER      1601000000  NGGE54      8
WSGRGTWN 37000.
**PX 1
WR516231     3607.  MUN319680212  1  4  R51621  102642      C5162_4  C516265162001      BRAZOS
RIVER AUTHORITY      N FRK SAN GABRIEL RIVER      1601000000  NGGE54      8
WSGRGTWN 37000.
**PX 1
WR516231      0.  IND319680212  1  2  0.0000      C5162_5  C516265162001      BRAZOS
RIVER AUTHORITY      N FRK SAN GABRIEL RIVER      1601000000  NGGE54      8
WSGRGTWN 37000.
**PX 1
WR516231      0.  MIN319680212  1  2  0.0000      C5162_6  C516265162001      BRAZOS
RIVER AUTHORITY      N FRK SAN GABRIEL RIVER      1601000000  NGGE54      8
WSGRGTWN 37000.
**PX 1
WR516231      0.  IRR319680212  1  2  0.0000      C5162_7  C516265162001      BRAZOS
RIVER AUTHORITY      N FRK SAN GABRIEL RIVER      1601000000  NGGE54      8
WSGRGTWN 37000.
**PX 1
** SysOp Change:
** Calculate the total depletion for water right 5162.
**WRSR5162      19680212      Compute Dep 5162  SYSTEM
**TO 6 1.0 ADD C5162_1 CONT
**TO 6 1.0 ADD C5162_2 CONT
**TO 6 1.0 ADD C5162_3 CONT
**TO 6 1.0 ADD C5162_4 CONT
**TO 6 1.0 ADD C5162_5 CONT
**TO 6 1.0 ADD C5162_6 CONT
**TO 6 1.0 ADD C5162_7 CONT
**PX 4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to the regulated flow. In the first pass, the regulated flow is the depletion from the reservoir. In the second pass,
** the depletion is limited to the first pass (base run)
**WRSR5162 9999999 19680212      Depletion 5162  SYSTEM
**PX 5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WR516231      19680212      1.0000  5162DP      Lumped Dep 5162  SYSTEM lsimdep
**TO 11 1.0 ADD Depletion 5162
**PX 2
** Special code to output storage from first simulation
**WRGT_dum      19680212      1simGTstor look
**TO 4 SET GRGTWN
**PX 4
**WRGT_dum 9999999 XMONTH19680212      2simGTstor look
**PX 5
** - End modeling Lake Georgetown.
** end FNI change
**
** Combined two reservoirs into one.
WR373331      0.0  UNIFO19700917  1  2  0.0000      C3733_1  C373363733301      GEORGETOWN
BUILDERS INC      N FRK SAN GABRIEL RIVER      1599000000  GAGE56      8
WSRC3733     40.0  0.5228  0.8206      0      0
WR373331      0.0  UNIFO19761122  1  2  0.0000      C3733_2  C373363733301      GEORGETOWN
BUILDERS INC      N FRK SAN GABRIEL RIVER      1599000000  GAGE56      8
WSRC3733     44.0  0.5228  0.8206      0      0
**IF373403      553.  IFD08C19820503      1      IFP3913_1
A
**WR391331     70.0  MIN319820503  1  2  1.0000      P3913_1  P391313913001      CAPITOL
AGGREGATES LTD      M FRK SAN GABRIEL RIVER      1598500000  GAGE56  A  8
**WSRP3913     70.0  0.5228  0.8206      0      0
    
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**WR391331	48.0	MIN319981015	1	2	1.0000		P3913_2	P391313913001			CAPITOL
AGGREGATES LTD						M FRK SAN GABRIEL RIVER		1598500000	GAGE56	A	8
**WSRP3913	70.0	0.5228	0.8206		0	0					
WR373431	45.0	IRR319411231	1	2	0.0000		C3734_1	C373463734001			GEORGETOWN
COUNTRY CLUB						M FRK SAN GABRIEL RIVER		1598000000	GAGE56		8
WSRC3734	10.0	0.5228	0.8206		0	0					
WR373501	26.0	IRR319630630	1	2	0.0000		C3735_1	C373563735001			HENRY
GRADY RYLANDER						S FRK SAN GABRIEL RIVER		1580000000	SGGE55		8
WR373601	1.0	IRR319610630	1	2	0.0000		C3736_1	C373663736001			HENRY
GRADY RYLANDER						S FRK SAN GABRIEL RIVER		1575000000	SGGE55		8
**WR373701	300.	IND319700504	1	2	1.0000		C3737_1	C373763737001			ALAMO
CONCRETE PRODUCTS LTD						S FRK SAN GABRIEL RIVER		1557000000	SGGE55	A	8
WR373831	0.0	UNIFO19761206	1	2	0.0000		C3738_1	C373863738301			CITY
OF GEORGETOWN						SAN GABRIEL RIVER		1555000000	GAGE56		8
WSRC3738	11.0	0.5228	0.8206		0	0					
WR373901	240.	MIN319640301	1	1	0.9000		C3739_1	C373963739001			GENE
H BINGHAM ET AL						SAN GABRIEL RIVER		1545100000	GALA57		8
WR374001	20.0	IRR319630501	1	2	0.0000		C3740_1	C374063740001			WENDELL
F. GIBSON						SAN GABRIEL RIVER		1544250000	GALA57		8
** WSA - Special condition requires an upstream contract with BRA to impound and divert.											
** Because priority is junior to Lake Georgetown, this right will have no effect on Lake Georgetown.											
WR553341	0.0	UNIFO19950711	1	2	0.0000		P5533_1	P553315533001			DEL WEBB
TEXAS L P						BERRY CRK		1478500000	GALA57		8
WSP55331	2.5	0.2710	0.8958		0	0					
WR553331	26.1	IRR319950711	1	2	0.0000		P5533_2	P553315533001			DEL
WEBB TEXAS L P						BERRY CRK		1478500000	GALA57		8
WSRP5533	42.9	0.5228	0.8206		0	0					
SO		2.5				BACKUP					
WR374301	32.0	IRR319540331	1	2	0.0000		C3743_1	C374363743001			JL
ENTERPRISES LLP						BERRY CRK		1478402000	GALA57		8
WR374201	16.9	IRR319640501	1	2	0.0000		C3742_1	C374263742001			MAXINE
HARRIS						BERRY CRK		1478401000	GALA57		8
WR374201	7.2	IRR319640501	1	2	0.0000		C3742_2	C374263742001			R
SCOTT POPE ET UX						BERRY CRK		1478401000	GALA57		8
WR374101	10.9	IRR319640501	1	2	0.0000		C3741_1	C374163741001			LINDA
ANN SMITH						SAN GABRIEL RIVER		1478400000	GALA57		8
WR374101	17.1	IRR319640501	1	2	0.0000		C3741_2	C374163741001			TED
KALLUS ET UX						SAN GABRIEL RIVER		1478400000	GALA57		8
WR374401	110.	IRR319520930	1	2	0.0000		C3744_1	C374463744001			T.
D. VAUGHAN						SAN GABRIEL RIVER		1478200000	GALA57		8
WR374501	33.0	IRR319631231	1	2	0.0000		C3745_1	C374563745001			BEN
W KURIO (BWK PARTNERSHIP)						SAN GABRIEL RIVER		1478000000	GALA57		8
WR374601	12.0	IRR319571231	1	2	0.0000		C3746_1	C374663746001			CHARLENE
M SEFCIK						SAN GABRIEL RIVER		1477000000	GALA57		8
WR374701	284.	IRR319660731	1	2	0.0000		C3747_1	C374763747001			JIMMY
F. BYERS						SAN GABRIEL RIVER		1473500000	GALA57		8
** Expired											
**IF409131	25339.	IFD08919840103		1			IFP4091_1				
**WR409131	448.	IRR319840103	1	2	0.0000		P4091_1	P409114091001			DAVID
L KELLEY ET UX						SAN GABRIEL RIVER		1473000000	PAGR31		8
**WSRP4091	11.0	0.5228	0.8206		0	0					
** Note: Only 20 acft of water may be consumptively used for industrial purposes.											
WR374801	203.	IND319451231	1	1	0.9015	374801	C3748_1	C374863748001			A
C STEARNS ESTATE						SAN GABRIEL RIVER		1460100000	GALA57		8
** Right is authorized for municipal, industrial, mining, and irrigation, but since the uses were not											
** broken out, all diversions are modeled as municipal.											
**											
** FNI change - System Operation											
WR516331	6566.	MUN319680212	1	4	R51631		C5163_1	C516365163001			BRAZOS
RIVER AUTHORITY						SAN GABRIEL RIVER		1440000000	GALA57		8
WSGRNGER	46198.					0					
**PX	1										
WR516331	6721.	MUN319680212	1	4	R51631	102991	C5163_2	C516365163001			BRAZOS
RIVER AUTHORITY						SAN GABRIEL RIVER		1440000000	GALA57		8
WSGRNGER	46198.					0					
**PX	1										
WR516331	5659.	IND319680212	1	2	0.0000		C5163_3	C516365163001			BRAZOS
RIVER AUTHORITY						SAN GABRIEL RIVER		1440000000	GALA57		8
WSGRNGER	46198.					0					
**PX	1										
WR516331	0.	IND319680212	1	2	0.0000		C5163_4	C516365163001			BRAZOS
RIVER AUTHORITY						SAN GABRIEL RIVER		1440000000	GALA57		8
WSGRNGER	46198.					0					
**PX	1										
WR516331	20.	MIN319680212	1	2	0.0000		C5163_5	C516365163001			BRAZOS
RIVER AUTHORITY						SAN GABRIEL RIVER		1440000000	GALA57		8
WSGRNGER	46198.					0					
**PX	1										
WR516331	874.	IRR319680212	1	2	0.0000		C5163_6	C516365163001			BRAZOS
RIVER AUTHORITY						SAN GABRIEL RIVER		1440000000	GALA57		8
WSGRNGER	46198.					0					
**PX	1										
** SysOp Change:											
** Calculate the total depletion for water right 5163.											

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**WRSR5163          19680212          Compute Dep 5163  SYSTEM
**TO 6 1.0 ADD          C5163_1  CONT
**TO 6 1.0 ADD          C5163_2  CONT
**TO 6 1.0 ADD          C5163_3  CONT
**TO 6 1.0 ADD          C5163_4  CONT
**TO 6 1.0 ADD          C5163_5  CONT
**TO 6 1.0 ADD          C5163_6
**PX 4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
**WRSR5163 9999999 19680212          Depletion 5163  SYSTEM
**PX 5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WR516331 19680212 1.0000 5163DP          Lumped Dep 5163  SYSTEM lsimdep
**TO 11 1.0 ADD          Depletion 5163
**PX 2
** Special code to output storage from first simulation
**WRGR_dum 19680212          lsimGRstor  look
**TO 4 SET          GRNGER
**PX 4
**WRGR_dum 9999999 XMONTH19680212          2simGRstor  look
**PX 5
** - End modeling Lake Granger.
** end FNI change
**
WR375001 125. IRR319430630 1 2 0.0000          C3750_1  C375063750001          T.R.
COFFIELD          SAN GABRIEL RIVER          1357000000  LRCA58  8
WR397131 0.0 UNIFO19830131 1 2 0.0000          P3971_1  P397113971301          TONKAWA
SPRINGS HOME OWNERS          DRY FRK BRUSHY CRK          1339000000  LRCA58  8
WSRP3971 7.5 0.5228 0.8206          0 0
WR511831 0.0 UNIFO19870112 1 2 0.0000          P5118_1  P511815118301          KILLEEN
SAVINGS & LOAN ASSN          DRY FRK BRUSHY CRK          1338900000  LRCA58  8
WSRP5118 2.8 0.5228 0.8206          0 0
WR417131 0.0 UNIFO19840814 1 2 0.0000          P4171_1  P417114171301          35/45
INVESTORS LP          LAKE CRK          1338500000  LRCA58  8
WSRP4171 19.0 0.5228 0.8206          0 0
WR375101 30.0 IRR319220818 1 2 0.0000          C3751_1  C375163751001          BERTHA
S. JOHNSON          BRUSHY CRK          1338000000  LRCA58  8
**NNP Teravista, app. 5667B, 11/13/03, io
WR566732 0.0 UNIFO19991213 1 2 0.0000          P5667_1  P566715667302
WSR56672 24.23 0.4897 0.7633          0 0
WR566731 0.0 UNIFO19991213 1 2 0.0000          P5667_2  P566715667301
WSR56671 5.0 0.4897 0.7633          0 0
WR566734 0.0 UNIFO19991213 1 2 0.0000          P5667_3  P566715667304
WSR56674 61.41 0.4897 0.7633          0 0
WR518831 0.0 UNIFO19880720 1 2 0.0000          P5188_1  P518815188301          CITY
OF TAYLOR          BULL CRK          1278350000  LRCA58  8
WSRP5188 11.6 0.5228 0.8206          0 0
WR375231 0.0 UNIFO19760517 1 2 0.0000          C3752_1  C375263752301          CITY
OF TAYLOR          BULL BRANCH          1278300000  LRCA58  8
WSRC3752 26.0 0.5228 0.8206          0 0
** WR/WS/SO/IF Records added/changed for P4166, SAMUEL W & MARGARET JONES.
IF416611 3403. UNIFO19840731 1          IFP4166_1
WR416611 120. IRR319840731 1 2 0.0000          P4166_1  P416614166101          SAMUEL
W & MARGARET JONES          BRUSHY CRK          1279800000  LRCA58  8
**
WR375331 1.0 IRR319630701 1 2 0.0000          C3753_1  C375363753001          THE
ESTATE OF JOHN V STILES          BRUSHY CRK          1260100000  LRCA58  8
WSRC3753 121. 0.5228 0.8206          0 0
WR375431 60.0 MUN319610620 1 2 0.0000          C3754_1  C375463754001          CITY
OF THORNDALE          ROCKY CRK          1259000000  LRCA58  8
WSRC3754 134. 0.5228 0.8206          0 0
WR375601 3.0 IRR319530701 1 2 0.0000          C3756_1  C375663756001          LESTER
W. STILES          SPRING BR          1239600000  LRCA58  8
WR375531 29.0 IRR319630430 1 2 0.0000          C3755_1  C375563755004          W.A.
& JACK WINTERROWD          SPRING BR          1239250000  LRCA58  8
WSRC3755 153. 0.5228 0.8206          0 0
WR375533 21.0 IRR319630430 1 2 0.0000          C3755_2  C375563755006          W.A.
& JACK WINTERROWD          SPRING BR          1239250000  LRCA58  8
WSC37551 110. 0.5228 0.8206          0 0
WR375731 100. MUN319660915 1 2 0.0000          C3757_1  C375763757001          CITY
OF THORNDALE          SPRING BR          1239000000  LRCA58  8
WSRC3757 469. 0.5228 0.8206          0 0
** This portion of the right will expire when water becomes available from Lake Granger. Granger
** has been constructed and filled. Assume water is available from Lake Granger and do not model
** this portion of the right.
**WR375701 150. MUN319820920 1 2 0.0000          C3757_2  C375763757001          CITY
OF THORNDALE          SPRING BR          1239000000  LRCA58  B 8
**WSRC3757 469. 0.5228 0.8206          0 0
    
```

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WR374901	110.	IRR319670430	1	2	0.0000		C3749_1	C374963749001		W
T PEARSON JR						SAN GABRIEL RIVER		1236000000 LRCA58	8	
** HALE CLAUSE										
IFLRCA58	25103.	IFD08619770829	1	1			IFC3759_1			
WR375931	300.	IRR319770829	1	2	0.0000		C3759_1	C375963759002		DONNY
LINDNER ET UX						SANDY CRK		1233750000 LRCA58	8	
WSRC3759	45.0	0.5228 0.8206			0	0				
WR375931	0.0	IRR319770829	1	2	0.0000		C3759_2	C375963759002		DONNY
LINDNER ET UX						SANDY CRK		1233750000 LRCA58	8	
WSRC3759	45.0	0.5228 0.8206			0	0				
SO	264.	375901				BACKUP				
WR375941	0.0	IRR319770829	1	2	0.0000		C3759_3	C375963759002		DONNY
LINDNER ET UX						SANDY CRK		1233750000 LRCA58	8	
WSC37591	5.0	0.2710 0.8958			0	0				
** HALE CLAUSE										
IFLRCA58	25103.	IFD08619850103	1	1			IFP4212_1			
WRP42121	300.	IRR319850103	1	2	0.0000		P4212_1	P421214212001		CARL
MOODY ET AL						LITTLE RIVER		1233640000 BSBR20	8	
** HALE CLAUSE										
IFLRCA58	14480.	UNIFO19800527	1	1			IFP3761_1			
WR376102	400.	IRR319800527	1	2	0.0000		P3761_1	P376113761002		ROBERT
W NORRIS						LITTLE RIVER		1233150000 LRCA58	8	
WR376231	0.0	IND319730212	1	2	0.0000		C3762_1	C376263762301		B
& B MINNOW FARM						MUSTANG CRK		1232100000 LRCA58	8	
WSRC3762	195.	0.5228 0.8206			0	0				
WR376001	41.5	IRR319250717	1	2	0.0000		C3760_1	C376063760001		CLIFFORD
L GUSTAFSON ET UX						LITTLE RIVER		1232000000 LRCA58	8	
WR376131	2792.	MUN319140320	1	4	R37611	100041	C3761_1	C376163761001		CITY
OF CAMERON						LITTLE RIVER		1230000000 LRCA58	8	
WSRC3761	10.0	0.5228 0.8206			0	0				
WR376301	40.0	IRR319520731	1	2	0.0000		C3763_1	C376363763001		ESTATE
OF HUBERT L MCCLAREN						LITTLE RIVER		1226550000 BRBR59	8	
WR376401	45.0	IRR319520701	1	2	0.0000		C3764_1	C376463764001		HAROLD
B & OPAL B FISHER						LITTLE RIVER		1226520000 BRBR59	8	
WR376501	148.	IRR319560728	1	2	0.0000		C3765_1	C376563765001		LARRY
WAYNE MCCLAREN ET AL						LITTLE RIVER		1226500000 BRBR59	8	
WR522631	0.0	UNIFO19890328	1	2	0.0000		P5226_1	P522615226301		CITY
OF TEMPLE						UNNAMED TRIB		1224410000 BRBR59	8	
WSRP5226	3.0	0.5228 0.8206			0	0				
WR522731	0.0	D&L319890330	1	2	0.0000		P5227_1	P522715227301		FIVE
WELLS RANCH COMPANY						S ELM CRK		1223420000 BRBR59	8	
WSRP5227	295.	0.5228 0.8206			0	0				
WR376733	120.	IRR319710719	1	2	0.0000		C3767_1	C376763767003		FIVE
WELLS RANCH COMPANY						S ELM CRK		1223400000 BRBR59	8	
WSRC3767	307.	0.5228 0.8206			0	0				
WR376741	0.	IRR319710719	1	2	0.0000		C3767_2	C376763767003		FIVE
WELLS RANCH COMPANY						S ELM CRK		1223400000 BRBR59	8	
WSOC3767	51.	0.2710 0.8958			0	0				
WR376801	12.7	IRR319650531	1	2	0.0000		C3768_1	C376863768001		MICHAEL
LLOYD ET UX						BIG ELM CRK		1221350000 BRBR59	8	
** Secondary use (Irrigation) of wastewater from dairy barn flushing for irrigation purposes is not modeled because										
** quantity of returns from operation is not specified.										
WR376831	112.	IND319770228	1	2	0.0000		C3768_2	C376863768001		MICHAEL
LLOYD ET UX						BIG ELM CRK		1221350000 BRBR59	8	
WSRC3768	240.	0.5228 0.8206			0	0				
**WR376841	112.	IRR319770228	1	2	0.0000		C3768_3	C376863768001		MICHAEL
LLOYD ET UX						BIG ELM CRK		1221350000 BRBR59	8	
**WSOC3768	69.	0.2710 0.8958			0	0				
WR376641	90.0	IRR319521231	1	2	0.0000		C3766_1	C376663766001		LINDA
ETHRIDGE GROTHE						LITTLE RIVER		1220630000 BRBR59	8	
WSRC3766	2.0	0.2710 0.8958			0	0				
SO	198.	90. 376605								
WR376901	150.	IRR319560831	1	2	0.0000		C3769_1	C376963769001		LARRY
WAYNE MCCLAREN						LITTLE RIVER		1220600000 BRBR59	8	
** HALE CLAUSE										
IFLRCA58	25103.	IFD08619860721	1	1			IFP5077_1			
WR507711	600.	IRR319860721	1	2	0.0000		P5077_1	P507715077101		DAVID
B & AUDREY HATCHER						LITTLE RIVER		1220500000 BRBR59	8	
WR377001	149.	IRR319590630	1	2	0.0000		C3770_1	C377063770001		JANE
SMOOT						LITTLE RIVER		1220070000 BRBR59	8	
WR377101	15.0	IRR319620731	1	2	0.0000		C3771_1	C377163771001		"ELLIOTT
W. ATKINSON, ET AL"						LITTLE RIVER		1220030000 BRBR59	8	
WR377401	30.0	IRR319590630	1	2	0.0000		C3774_1	C377463774001		JANE
SMOOT						LITTLE RIVER		1220020000 BRBR59	8	
WR377302	1300.	IRR319560831	1	2	0.0000		C3773_1	C377363773002		ARLEDGE
& SHANAHAN LP						LITTLE RIVER		1219500000 BRBR59	8	
WR377332	0.	IRR319560831	1	2	0.0000		C3773_2	C377363773004		ARLEDGE
& SHANAHAN LP						LITTLE RIVER		1219500000 BRBR59	8	
WSRC3773	11.6	0.5228 0.8206			0	0				
SO						BACKUP				

WR377203	8.0	IRR319660731	1	2	0.0000		C3772_1	C377263772003		V.T.
WHITE						LITTLE RIVER		1219250000 BRBR59	8	
** WR/WS/SO/IF Records added/changed for C3775, LLOYD E LEIFESTE ET UX.										

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** Additional 500 acft irrigation diversion added to first owners portion, as well as an
 ** IF requirement that is a HALE CLAUSE.

IFLCA58	232926.	IFD08D20000929	1	1		IFC3775_1													
WR377511	500.00	IRR320000929	1	2	0.0000			C3775_4	C377563775101										LLOYD
E LEIFESTE ET UX						LITTLE RIVER			1219000000	BRBR59		8							
WR377501	577.66	IRR319600410	1	2	0.0000			C3775_1	C377563775001										LLOYD
E LEIFESTE ET UX						LITTLE RIVER			1219000000	BRBR59		8							
WR377501	622.59	IRR319600410	1	2	0.0000			C3775_2	C377563775001										VERONICA
ROESSLER ET AL						LITTLE RIVER			1219000000	BRBR59		8							
WR377501	66.75	IRR319600410	1	2	0.0000			C3775_3	C377563775001										Robertson
(Fee)						LITTLE RIVER			1219000000	BRBR59		8							
WR436931	4.0	IRR319651231	1	2	0.0000			C4369_1	C436964369001										GENE
W BONORDEN						THREE MILE			1210700000	BRBR59		8							
WSRC4369	4.0	0.5228	0.8206		0														
** Diversions contingent upon effluent discharges from the City of Temple.																			
**IF554801		1448.				UNIFO19960315													IFP5548_1
A																			
**WR554801	50.0	IRR319960315	1	2	0.0000			P5548_1	P554815548001										EDWARD
COUFAL						DAILY BRANCH			1153800000	BRBR59	A	8							
**SO						104702													
**ML	0.	0.	0.	0.	68.	66.	68.	68.	0.	0.	0.	0.							
** 6400 acft/yr (municipal) IBT from Colorado River Basin to the Brazos. No control point provided by TNRC.																			
** Dummy control point (D56771) utilized to which required diversions are added using CI records.																			
WRD56771	6400.	MUN320000202	1	2	0.0000	126441		P5677_1	P56779999										LOWER
COLORADO RIVER AUTHORITY						COLORADO RIVER			0760000000	BRHE68		8							
WR433901	100.	IRR319630523	1	2	0.0000			C4339_1	C433964339001										B.T.
GEORGE, C. WALKER, & J&B ENGLISH						BRAZOS RIVER			2990000000	BRWA41		9							
** Added industrial use																			
WR434031	5600.	MUN319140629	2	4	R50941	110711		C4340_1	C434064340001										CITY
OF WACO						BRAZOS RIVER			2935000000	BRWA41	B	9							
WSRC4340	3537.	0.8109	0.6681		0	0													
WR434031	0.0	UNIFO19680108	1	2	0.0000			C4340_3	C434064340001										CITY
OF WACO						BRAZOS RIVER			2935000000	BRWA41	B	9							
WSRC4340	3537.	0.8109	0.6681		0	0													
** Hydroelectric portion cancelled																			
**WR4340311257530.		HYD399999999	1	1	1.0000	434031		C4340_4	C434064340001										YOUNG
BROTHER INC CONTRACTORS						BRAZOS RIVER			2935000000	BRWA41		9							
**WSRC4340	3537.	0.8109	0.6681		0	0													
** HALE CLAUSE																			
IFBRWA41	190763.	IFD09119860814	1	1				IFP5085_1											
WR508541	6021.	MUN319860814	1	4	R50941	110711		P5085_1	P508515085001										CITY
OF ROBINSON						BRAZOS RIVER			2922300000	BRHB42		9							
WSRP5085	8037.	0.2710	0.8958		0	0													
SO	6112.	13100.	508501																
WR434331	0.0	UNIFO19730212	1	2	0.0000			C4343_1	C434364343301										OAK
LAKE CLUB						Tiger Branch			2860500000	BRHB42		9							
WSRC4343	27.0	0.5228	0.8206		0	0													
WR500031	500.	MUN319850903	1	2	0.0000			P5000_1	P500015000001										CITY
OF MART						TRADINGHOUSE CRK			2832200000	BRHB42		9							
WSRP5000	1640.	0.5228	0.8206		0	0													
WR434201	12000.	IND319260821	1	1	0.0000			C4342_1	C434264342001										TEXAS
UTILITIES ELECTRIC CO						BRAZOS RIVER			2832000000	BRHB42		9							
WR434231	15000.	IND319660916	1	2	0.0000			C4342_2	C434264342002										TEXAS
UTILITIES ELECTRIC CO						Trandinghouse Creek			2832000000	BRHB42	B	9							
WSTRCRK	35895.					0													
WR434401	400.	IRR319180316	1	2	0.0000			C4344_1	C434464344001										LOLA
ROBINSON						TEHUACANA CRK			2830000000	BRHB42		9							
WR434402	660.	IRR319290126	1	2	0.0000			C4344_2	C434464344002										LOLA
ROBINSON						Brazos River and TEHUACANA CRK			2830000000	BRHB42		9							
** HALE CLAUSE																			
IFBRWA41	130751.	IFD09219820830	1	1				IFP3936_1											
WR393601	2600.	IRR319820830	1	2	0.0000			P3936_1	P393613936001										HOLY
LAND & CATTLE						BRAZOS RIVER			2812000000	BRHB42		9							
** Certificate states that water can be diverted from Brazos into the reservoir at the earlier																			
** priority date. Assume that additional 500 acft is allowed to be impounded from the Brazos River diversion.																			
** Impoundment of watershed flows for the additional 500 acft is limited to the 1952 priority date.																			
WR434531	10000.	IND319510306	1	2	0.0000			C4345_1	C434564345002										TEXAS
UTILITIES ELECTRIC CO						BRAZOS RIVER			2800000000	BRHB42		9							
WSLAKECR	7400.					0													
WR434531	0.	IND319510306	1	2	0.0000			C4345_2	C434564345002										TEXAS
UTILITIES ELECTRIC CO						BRAZOS RIVER			2800000000	BRHB42		9							
WSLAKECR	7400.					0													
SO	27075.	8996.	434501			BACKUP													
WR434531	0.	IND319520305	1	2	0.0000			C4345_3	C434564345002										TEXAS
UTILITIES ELECTRIC CO						BRAZOS RIVER			2800000000	BRHB42		9							
WSLAKECR	7400.					0													
**IFBRHB42	235583.	IFD09319831219																	IFP4089_1
A																			
**WR408902	200.	IRR319831219	1	2	0.0000			P4089_1	P408914089002										T
W WHALEY JR						BRAZOS RIVER			2725710000	PAGR31	A	9							
** HALE CLAUSE																			
IFBRHB42	196129.	IFD09819830207	1	1				IFP4042_1											

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WR404202	700.	IRR319830207	1	2	0.0000		P4042_1	P404214042002				T
W WHALEY JR						BRAZOS RIVER		2723010000	BRHB42	9		
WR434601	200.	IRR319250828	1	2	0.0000		C4346_1	C434664346001				W
J DUBE						BRAZOS RIVER		2716000000	BRHB42	9		
** HALE CLAUSE												
**IFBRHB42	255345.					IFD09419961230					1	IFP5563_1
A												
**WR556311	525.	IRR319961230	1	2	0.0000		P5563_1	P556315563101				W
T & BERMA HELBERT ESTATE						BRAZOS RIVER		2715010000	BRHB42	A	9	
** HALE CLAUSE												
**IFBRHB42	266457.					IFD09519970617					1	IFP5592_1
A												
**WR559201	550.	IRR319970617	1	2	0.0000		P5592_1	P559215592001				RITCHIE
D BEOUGHER						BRAZOS RIVER		2714610000	BRHB42	A	9	
** HALE CLAUSE												
IFBRHB42	185856.	IFD09619820922	1									IFP4014_1
WR401411	1851.	IRR319820922	1	2	0.0000		P4014_1	P401414014101				MARY
D WALSH						BRAZOS RIVER		2714210000	BRHB42		9	
** HALE CLAUSE												
IFBRHB42	185856.	IFD09619821129	1									IFP4013_1
WR401312	1200.	IRR319821129	1	2	0.0000		P4013_1	P401314013102				ROBERT
L MACHA ET AL						BRAZOS RIVER		2713310000	BRHB42		9	
WR435031	20.0	IRR319660524	1	2	0.0000		C4350_1	C435064350001				JOHN
P ESTES ESTATE TRUST ETAL						N COW CRK		2711001000	BRHB42		9	
WSRC4350	44.0	0.5228	0.8206			0						
WR435131	160.	IRR319550502	1	2	0.0000		C4351_1	C435164351001				MONT
HAMM						N COW CRK		2710000000	BRHB42		9	
WSRC4351	80.0	0.5228	0.8206			0						
WR434731	12.0	IRR319701102	1	2	0.0000		C4347_1	C434764347001				VANCE
DUNNAM JR						TRIB OF S COW BAYOU		2698000000	BRHB42	D	9	
WSRC4347	200.	0.5228	0.8206			0						
WR434831	70.0	IRR319650106	1	2	0.0000		C4348_1	C434864348001				"JOE
RAY HATTEER, SR"						TRIB OF S COW BAYOU		2694000000	BRHB42		9	
WSRC4348	110.	0.5228	0.8206			0						
WR434931	199.	IRR319780123	1	2	0.0000		C4349_1	C434964349001				RDS
LAND CO LLC						UNNAMED TRIB		2693000000	BRHB42		9	
WSRC4349	72.	0.5228	0.8206			0						
WR434932	0.	IRR319780123	1	2	0.0000		C4349_2	C434964349002				RDS
LAND CO LLC						UNNAMED TRIB		2693000000	BRHB42		9	
WSC43491	93.	0.5228	0.8206			0						
SO						BACKUP						
WR434933	0.	IRR319780123	1	2	0.0000		C4349_3	C434964349003				RDS
LAND CO LLC						UNNAMED TRIB		2693000000	BRHB42		9	
WSC43492	39.	0.5228	0.8206			0						
SO						BACKUP						
WR435231	0.0	UNIFO19650125	1	2	0.0000		C4352_1	C435264352001				GOELZER
CATTLE COMPANY						LONG BR CRK		2654000000	BRHB42		9	
WSRC4352	569.	0.5228	0.8206			0						
WR435331	40.0	IRR319650621	1	2	0.0000		C4353_1	C435364353001				DENNIS
L BIRKES ETAL						LAVALLA		2653900000	BRHB42		9	
WSRC4353	200.	0.4897	0.7633			0						
WR435331	50.0	IRR319650621	1	2	0.0000		C4354_1	C435464354001				JEAN
W EPPERSON						LAVALLA		2653000000	BRHB42		9	
WSRC4353	200.	0.4897	0.7633			0						
** HALE CLAUSE												
**IFBRHB42	279622.					IFD09719850618					1	IFP4246_1
A												
**WR424601	820.	IRR319850618	1	2	0.0000		P4246_1	P424614246001				MARTHA
S JAMESON ET AL						BRAZOS RIVER		2642970000	BRHB42	A	9	
** HALE CLAUSE												
**IFBRHB42	235583.					IFD09319840131					1	IFP4108_1
A												
**WRP41082	900.	IRR319840131	1	2	0.0000		P4108_1	P410814108002				ANDERSON
DEVELOPMENT CORP						BRAZOS RIVER		2633510000	BRAQ33	A	9	
WR435631	84.0	IRR319670207	1	2	0.0000		C4356_1	C435664356001				DAVID
L. ROBERTS & WIFE						POOLE		2632000000	BRHB42		9	
WSRC4356	512.	0.4897	0.7633			0						
WR435731	0.0	UNIFO19650211	1	2	0.0000		C4357_1	C435764357301				CAMP
FIRE INC BLUEBONNET COUNC						GUM BR		2627000000	BRHB42		9	
WSRC4357	195.	0.4897	0.7633			0						
** City of Marlin Right. Right has 3 reservoirs, 3 diversions locations, 5 different priorities,												
** and 3 uses. The diversion from the Brazozos can only be divereted Oct - Apr. The rest of the diversions												
** can come from either New Marlin Reservoir or Brushy Creek Reservoir.												
** IF requirement requires releases of stored water when necessary to maintain instream flows.												
IF435533	72.	UNIFO19480401				3						IFC4355_1
WSBRUSHY	6560.					0						
OR435533						-1						
WR435531	1500.	MUNRE19480409	1	4	R43551	101102	C4355_1	C435564355002				CITY
OF MARLIN						Big Sandy Creek		2625100000	BRBR59		9	
WSC43551	3135.	0.5228	0.8206			0						
WSBRUSHY	6560.					0						
OR435533						-1						
WR435501	2000.	MUNRI19561127	1	4	R43551	101102	C4355_2	C435564355001				CITY
OF MARLIN						BRAZOS RIVER		2625100000	BRHB42		9	

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**IFBRHB42	258380.	IFD09A19840626	1						IFC5470_1			
A												
**WR547001	2400.	IRR319840626	1	2	0.0000			C5470_2	C547065470001	CLIFFORD		
A SKILES JR ET UX		BRAZOS RIVER							2560000000	BRBR59	A	9
** HALE CLAUSE												
IFBRHB42	235583.	IFD09319840515	1	1				IFP4145_1				
WRP41451	448.	IRR319840515	1	2	0.0000			P4145_1	P414514145001	JOHN		
W & JANIE NIGLIAZZO		BRAZOS RIVER							1215010000	CFNU16		9
WR436801	76.0	IRR319560831	1	2	0.0000			C4368_1	C436864368001	GLORIA		
ELY HOLDEN		BRAZOS RIVER							1214500000	BRBR59		9
** HALE CLAUSE												
IFBRHB42	235583.	IFD09319830919	1	1				IFP4080_1				
WR408004	1500.	IRR319830919	1	2	0.0000			P4080_1	P408014080004	GATHAN		
REISTINO		BRAZOS RIVER							1208510000	BRBR59		9
WR437002	297.	IRR319541231	1	2	0.0000			C4370_1	C437064370002	ONAH		
B PENN ETAL		BRAZOS RIVER							1207000000	BRBR59		9
WR437031	0.0	UNIFO19551231	1	2	0.0000			C4370_2	C437064370003	ONAH		
B PENN ETAL		BRAZOS RIVER							1207000000	BRBR59		9
WSRC4370	15.0	0.5228	0.8206		0	0						
WR437101	410.	IRR319560731	1	2	0.0000			C4371_1	C437164371001	SAM		
F DESTEFANO		BRAZOS RIVER							1206300000	BRBR59		9
** HALE CLAUSE												
IFBRHB42	196129.	IFD09819830207	1	1				IFC4371_1				
WR437101	290.	IRR319830207	1	2	0.0000			C4371_2	C437164371001	SAM		
F DESTEFANO		BRAZOS RIVER							1206300000	BRBR59		9
WR437331	0.0	UNIFO19750224	1	2	0.0000			C4373_1	C437364373301	"DRAYTON		
MCLANE, JR"		FERGUSON							1205487500	BRBR59		9
WSRC4373	156.	0.5228	0.8206		0	0						
WR437332	0.0	UNIFO19750224	1	2	0.0000			C4373_2	C437364373302	"DRAYTON		
MCLANE, JR"		FERGUSON							1205487500	BRBR59		9
WSC43732	177.	0.5228	0.8206		0	0						
WR437431	0.0	UNIFO19720626	1	2	0.0000			C4374_1	C437464374301	LAKE		
WOODROW INC		SWEETGUM							1205486000	BRBR59		9
WSRC4374	166.	0.4897	0.7633		0	0						
** HALE CLAUSE												
IFBRBR59	435061.	IFD09B19810309	1	1				IFC4372_1				
** Right authorized to use 700 acft, of which 235 acft can be from the watershed above the												
** reservoir. The remaining use must be from the Brazos River, with the annual total diverted												
** from the Brazos River for irrigation and maintenance of storage not to exceed 730 acft/yr.												
WR437231	235.	IRR319810309	1	2	0.0000			C4372_1	C437264372002	FORBIN		
INVESTMENTS N V		MOORING							1205455000	BRBR59		9
WR437231	465.	IRR319810309	1	2	0.0000			C4372_2	C437264372002	FORBIN		
INVESTMENTS N V		BRAZOS RIVER							1205455000	BRBR59		9
WSRC4372	120.	0.5228	0.8206		0	0						
SO	268.	730.	437201		BACKUP							
** Expired												
** HALE CLAUSE												
**IFBRBR59	450393.	IFD09C19910228	1									IFP5349_1
A												
**WR534901	780.	IRR319910228	1	2	0.0000			P5349_1	P534915349001	BRAZOS		
FARM LTD		BRAZOS RIVER							1205453000	SJGMC4	A	9
WR548231	0.0	MIN319940629	1	2	0.0000			P5482_1	P548215482301	WALNUT		
CREEK MINING COMPANY		WALNUT CRK							1205339915	BRBR59		9
WSRP5482	7.6	0.5228	0.8206		0	0						
WR5326P1	0.0	IND319901024	1	2	0.0000			P5326_1	P532615326001	WALNUT		
CREEK MINING CO		WALNUT CRK							1205339910	BRRO72		9
WSRP5326	49.8	0.5228	0.8206		0	0						
WR511731	0.0	MIN319861231	1	2	0.0000			P5117_1	P511715117301	WALNUT		
CREEK MINING COMPANY		BIG WILLOW CRK							1205339900	BRBR59	B	9
WSRP5117	126.	0.5228	0.8206		0	0						
WR437531	4.0	IRR319631231	1	2	0.0000			C4375_1	C437564375002	FLOYD		
KEMPENSKI		BEE CRK							1205339800	BRBR59		9
WSRC4375	20.0	0.5228	0.8206		0	0						
WR510631	0.0	MIN319861022	1	2	0.0000			P5106_1	P510615106301	WALNUT		
CREEK MINING COMPANY		BEE CRK							1205337000	BRBR59	B	9
WSRP5106	95.0	0.5228	0.8206		0	0						
WR514831	458.	IND319870723	1	2	0.0000			P5148_1	P514815148301	TEXAS-		
NEW MEXICO POWER CO		DRY CRK							1205336000	BRBR59		9
WSRP5148	178.	0.5228	0.8206		0	0						
WR436301	384.	IRR319511231	1	2	0.0000			C4363_1	C436364363001	JOE		
REISTINO ESTATE		BRAZOS RIVER							1205310000	BRBR59		9
** HALE CLAUSE												
IFBRHB42	235583.	IFD09319831019	1	1				IFC4363_1				
WR436301	1068.	IRR319831019	1	2	0.0000			C4363_2	C436364363001	JOE		
REISTINO ESTATE		BRAZOS RIVER							1205310000	BRBR59		9
WR436302	48.	IRR319511231	1	2	0.0000			C4363_3	C436364363002	JOE		
REISTINO ESTATE		BRAZOS RIVER							1205310000	BRBR59		9
** HALE CLAUSE												
IFBRHB42	261415.	IFD09F19840710	1	1				IFC4364_1				
WR436401	724.	IRR319581231	1	2	0.0000			C4364_1	C436464364001	CLIFF		
A SKILES JR		Brazos River and Little Brazos River							1205302000	BRBR59		9
WR436441	0.	IRR319581231	1	2	0.0000			C4364_2	C436464364001	CLIFF		
A SKILES JR		Brazos River and Little Brazos River							1205302000	BRBR59		9
WSRC4364	6.0	0.2710	0.8958		0	0						

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SO	527531											
WR527531	0.0	IRR319690728	1	2	0.0000	C5275_2	C527565275001					LUDWIG
M KIPP & WIFE							1126000000	YCSO62	9			
WSRC5275	67.0	0.5228	0.8206		0							
SO												
WR527631	2.3	IRR319720626	1	2	0.0000	C5276_1	C527665276001					GEORGE
W SPRANKLE							1125590000	YCSO62	9			
WSRC5276	16.0	0.5228	0.8206		0							
WR527731	20.0	IRR319590630	1	2	0.0000	C5277_1	C527765277001					TOMMY
BREDTHAUER ET AL							1125510000	YCSO62	9			
WSRC5277	75.	0.5228	0.8206		0							
WR527732	0.	IRR319590630	1	2	0.0000	C5277_2	C527765277001					TOMMY
BREDTHAUER ET AL							1125510000	YCSO62	9			
WSC52771	10.	0.5228	0.8206		0							
WR527733	0.	IRR319590630	1	2	0.0000	C5277_3	C527765277001					TOMMY
BREDTHAUER ET AL							1125510000	YCSO62	9			
WSC52772	16.	0.5228	0.8206		0							
WR527831	0.0	UNIFO19501116	1	2	0.0000	C5278_1	C527865278301					K
L NIXON							1125000000	YCSO62	9			
WSRC5278	135.	0.5228	0.8206		0							
WR527931	0.0	UNIFO19741202	1	2	0.0000	C5279_1	C527965279301					BIRCH
CREEK FOREST PROPERTIES							1124000000	YCSO62	9			
WSR52791	5.0	0.5228	0.8206		0							
WR527932	0.0	UNIFO19741202	1	2	0.0000	C5279_2	C527965279302					BIRCH
CREEK FOREST PROPERTIES							1124000000	YCSO62	9			
WSR52792	5.0	0.5228	0.8206		0							
WR527933	0.0	UNIFO19741202	1	2	0.0000	C5279_3	C527965279303					BIRCH
CREEK FOREST PROPERTIES							1124000000	YCSO62	9			
WSR52793	5.0	0.5228	0.8206		0							
** Note: Owner is authorized to divert spring water during periods when the flow												
** of Jerdelle Creek is absorbed into the alluvial soils.												
WR528041	0.0	IND319810601	1	2	0.0000	C5280_1	C528065280001					WALDO
NIENSTEDT							1123600000	YCSO62	9			
WSRC5280	4.5	0.2710	0.8958		0							
SO	6.5	20.	528001									
** Lake Somerville												
** FNI change - System Operation												
WR516431	4619.	MUN319631216	1	4	R51641 103881	C5164_1	C516465164001					BRAZOS
RIVER AUTHORITY							1122000000	YCSO62	9			
WSSMRVLE	135891.				0							
**PX	1											
WR516431	6658.	IND319631216	1	2	0.0000	C5164_2	C516465164001					BRAZOS
RIVER AUTHORITY							1122000000	YCSO62	9			
WSSMRVLE	135891.				0							
**PX	1											
WR516431	23763.	IND319631216	1	2	0.0000	C5164_3	C516465164001					BRAZOS
RIVER AUTHORITY							1122000000	YCSO62	9			
WSSMRVLE	135891.				0							
**PX	1											
WR516431	0.0	IRR319631216	1	2	0.0000	C5164_4	C516465164001					BRAZOS
RIVER AUTHORITY							1122000000	YCSO62	9			
WSSMRVLE	135891.				0							
**PX	1											
WR516431	12928.	IRR319631216	1	2	0.0000	C5164_5	C516465164001					BRAZOS
RIVER AUTHORITY							1122000000	YCSO62	9			
WSSMRVLE	135891.				0							
**PX	1											
WR516431	32.	MIN319631216	1	2	0.0000	C5164_6	C516465164001					BRAZOS
RIVER AUTHORITY							1122000000	YCSO62	9			
WSSMRVLE	135891.				0							
**PX	1											
WR516431	0.0	UNIFO19631216	1	2	0.0000	C5164_7	C516465164001					BRAZOS
RIVER AUTHORITY							1122000000	YCSO62	9			
WSSMRVLE	135891.				0							
**PX	1											
** SysOp Change:												
** Calculate the total depletion for water right 5164.												
**WRSR5164						Compute Dep	5164	SYSTEM				
**TO	6	1.0	ADD			C5164_1	CONT					
**TO	6	1.0	ADD			C5164_2	CONT					
**TO	6	1.0	ADD			C5164_3	CONT					
**TO	6	1.0	ADD			C5164_4	CONT					
**TO	6	1.0	ADD			C5164_5	CONT					
**TO	6	1.0	ADD			C5164_6	CONT					
**TO	6	1.0	ADD			C5164_7	CONT					
**PX	4											
** SysOp Change:												
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited												
** to depletions in the first run.												
**WRSR5164	9999999					Depletion	5164	SYSTEM				
**PX	5											

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**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WRS16431      19631216      1.0000  5164DP      Lumped Dep 5164  SYSTEM lsimdep
**TO      11      1.0      ADD      Depletion 5164
**PX      2
** Special code to output storage from first simulation
**WRSO_dum      19631216      lsimSOstor      look
**TO      4      SET      SMRVLE
**PX      4
**WRSO_dum      9999999  XMONTH19631216      2simSOstor      look
**PX      5
** - End modeling Lake Somerville.
** end FNI change
WR528131      0.0  UNIFO19800303      1  2  0.0000      C5281_1  C528165281301      HARRY
H BOWERS      DAVIDSON      1119900000  DCLY63      9
WSRC5281      60.0  0.4897  0.7633      0      0
WR528231      0.0  UNIFO19811109      1  2  0.0000      C5282_1  C528265282301      RUSSELL
F WIGGINS      SECOND DAVIDSON CRK      1119220000  DCLY63      9
WSRC5282      675.  0.8109  0.6681      0      0
** The diversion authorized from Brushy Creek and West Davidson Creek is for flood control
** purposes and is not modeled.
**WR414001      0.0  UNIFO19840410      1  2  0.0000      P4140_1  P414014140001      JOE
D DUNCAN      BRUSHY CRK      1119050000  CFNU16      9
WR528331      0.0  UNIFO19750203      1  2  0.0000      C5283_1  C528365283301      BEAVER
CREEK DEVELOPERS      DAVIDSON      1118450000  DCLY63      9
WSRC5283      27.8  0.4897  0.7633      0      0
WR528332      0.0  UNIFO19750203      1  2  0.0000      C5283_2  C528365283302      BEAVER
CREEK DEVELOPERS      DAVIDSON      1118450000  DCLY63      9
WSC52831      30.4  0.4897  0.7633      0      0
WR528333      0.0  UNIFO19750203      1  2  0.0000      C5283_3  C528365283303      BEAVER
CREEK DEVELOPERS      DAVIDSON      1118450000  DCLY63      9
WSC52832      8.4  0.4897  0.7633      0      0
WR528334      0.0  UNIFO19750203      1  2  0.0000      C5283_4  C528365283304      BEAVER
CREEK DEVELOPERS      DAVIDSON      1118450000  DCLY63      9
WSC52833      18.5  0.4897  0.7633      0      0
WR528335      0.0  UNIFO19750203      1  2  0.0000      C5283_5  C528365283305      BEAVER
CREEK DEVELOPERS      DAVIDSON      1118450000  DCLY63      9
WSC52834      14.  0.4897  0.7633      0      0
WR528336      0.0  UNIFO19750203      1  2  0.0000      C5283_6  C528365283306      BEAVER
CREEK DEVELOPERS      DAVIDSON      1118450000  DCLY63      9
WSC52835      14.  0.4897  0.7633      0      0
WR528431      30.0  IRR319670109      1  2  0.0000      C5284_1  C528465284001      SEALY
& ROBERT HUTCHINGS      YEGUA CRK      1118000000  BRHE68      9
WSRC5284      72.0  0.5228  0.8206      0      0
WR528731      2165.  MUN319570415      1  2  0.0000      C5287_1  C528765287001      BISTONE
MUNICIPAL WSD      NAVASOTA RIVER      1035000000  NAGR64      10
WS MEXIA      3763.  0
WR528731      722.  MUN319570415      1  2  0.0000      C5287_2  C528765287001      BISTONE
MUNICIPAL WSD      NAVASOTA RIVER      1035000000  NAGR64      10
WS MEXIA      3763.  0
WR528731      65.0  IND319570415      1  2  1.0000      IB5287  C5287_3  C528765287001      BISTONE
MUNICIPAL WSD      NAVASOTA RIVER      1035000000  NAGR64      10
WS MEXIA      3763.  0
WR528831      6.0  IRR319390118      1  2  0.0000      C5288_1  C528865288001      TEXAS
PARKS & WILDLIFE DEPT      NAVASOTA RIVER      0870000000  NAGR64      10
WSRC5288      3100.  0.5228  0.8206      0      0
WR528831      0.0  UNIFO19390118      1  2  0.0000      C5288_2  C528865288001      TEXAS
PARKS & WILDLIFE DEPT      NAVASOTA RIVER      0870000000  NAGR64      10
WSRC5288      3100.  0.5228  0.8206      0      0
WR528931      2500.  MUN319210613      1  2  0.0000      C5289_1  C528965289001      CITY
OF GROESBECK      NAVASOTA RIVER      0840000000  NAEA66      10
WSRC5289      150.  0.5228  0.8206      0      0
WR529031      8.0  IRR319721204      1  2  0.0000      C5290_1  C529065290001      ERNI
LUNA ET AL      PLUMMERS      0812500000  NAEA66      10
WSRC5290      108.  0.5228  0.8206      0      0
WR529131      605.  MUN319520814      1  2  0.0000      C5291_1  C529165291001      CITY
OF TEAGUE      HOLMAN      0810000000  BGFR65      10
WSRC5291      860.  0.4897  0.7633      0      0
WR529131      0.0  MUN319570311      1  2  0.0000      C5291_2  C529165291001      CITY
OF TEAGUE      HOLMAN      0810000000  BGFR65      10
WSRC5291      1160.  0.4897  0.7633      0      0
** Shares reservoir with C5293 (Lower Club Lake).
WR529331      5.0  MUN319750106      1  2  0.0000      C5292_1  C529265292001      CITY
OF TEAGUE      JETER CRK      0809900000  BGFR65      10
WSRC5293      483.  0.5228  0.8206      0      0
WR529331      24.0  MUN319850910      1  2  0.0000      C5292_2  C529265292001      CITY
OF TEAGUE      JETER CRK      0809900000  BGFR65      10
WSRC5293      483.  0.5228  0.8206      0      0
WR529332      0.0  UNIFO19750106      1  2  0.0000      C5293_1  C529365293302      TEAGUE
HUNTING & FISHING CLUB      JETER CRK      0809000000  BGFR65      10
WSC52931      267.  0.5228  0.8206      0      0

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WR529331 0.0 UNIFO19750106 1 2 0.0000 C5293_2 C529365293301 TEAGUE
HUNTING & FISHING CLUB JETER CRK 0809000000 BGFR65 10
WSRC5293 483. 0.5228 0.8206 0 0
WR529431 0.0 UNIFO19541231 1 2 0.0000 C5294_1 C529465294301 D
G BROWN CHAMBERS CRK 0808000000 BGFR65 10
WSRC5294 150. 0.5228 0.8206 0 0
WR529431 0.0 UNIFO19840710 1 2 0.0000 C5294_2 C529465294301 D
G BROWN CHAMBERS CRK 0808000000 BGFR65 10
WSRC5294 187. 0.5228 0.8206 0 0
WR529531 0.0 UNIFO19760329 1 2 0.0000 C5295_1 C529565295301 J
G KENNEDY BIG CRK 0807800000 NAEA66 10
WSRC5295 285. 0.5228 0.8206 0 0
WR531937 90.0 IND319901012 1 2 0.0000 P5319_1 P531915319003 NORTHWESTERN
RESOURCES CO UNNAMED TRIB 0806000000 NAEA66 10
WSP53191 193.4 0.5228 0.8206 0 0
WR531936 0. IND319901012 1 2 0.0000 P5319_2 P531915319003 NORTHWESTERN
RESOURCES CO UNNAMED TRIB 0806000000 NAEA66 10
WSRP5319 322.7 0.5228 0.8206 0 0
**
** Lake Limestone
**
** The following IFs to protect downstream water rights were removed
**IF516531 4344. UNIFO19740506 1 IFC5165_1
**IF516531 1448. UNIFO19740506 3 IFC5165_2
**WSLMSTNE 185502. 0 -1
**OR516531 -1
** FNI change - add in instream flow
** this is the 6 cfs requirement, limited to inflow
** in order to include downstream releases when short, make most junior and limit to inflows
IF516531 4348 DAYS99999999 3 IFLMSTNE6CFS
TO 2 MIN 516501
WSLMSTNE 185502. 0
OR516531
** minimum of 2 cfs as long as there is inflow
** note 1 most junior and downstream
IF5165IF 1449 DAYS99999999 3 IFLMSTNE2CFS
TO 2 LIM 0.1 9999999 516501
WSLMSTNE 185502. 0
OR516531
**
WR516531 28415. MUN319740506 1 2 0.0000 C5165_1 C516565165001 BRAZOS
RIVER AUTHORITY NAVASOTA RIVER 0803000000 NAEA66 10
WSLMSTNE 185502. 0
**PX 1
WR516531 200. MUN319740506 1 2 0.0000 C5165_2 C516565165001 BRAZOS
RIVER AUTHORITY NAVASOTA RIVER 0803000000 NAEA66 10
WSLMSTNE 185502. 0
**PX 1
WR516531 21602. IND319740506 1 2 0.0000 C5165_3 C516565165001 BRAZOS
RIVER AUTHORITY NAVASOTA RIVER 0803000000 NAEA66 10
WSLMSTNE 185502. 0
**PX 1
WR516531 11255. IND319740506 1 2 0.0000 C5165_4 C516565165001 BRAZOS
RIVER AUTHORITY NAVASOTA RIVER 0803000000 NAEA66 10
WSLMSTNE 185502. 0
**PX 1
WR516531 3600. IND319740506 1 2 0.0000 C5165_5 C516565165001 BRAZOS
RIVER AUTHORITY NAVASOTA RIVER 0803000000 NAEA66 10
WSLMSTNE 185502. 0
**PX 1
WR516531 0.0 IRR319740506 1 2 0.0000 C5165_6 C516565165001 BRAZOS
RIVER AUTHORITY NAVASOTA RIVER 0803000000 NAEA66 10
WSLMSTNE 185502. 0
**PX 1
WR516531 2. MIN319740506 1 2 0.0000 C5165_7 C516565165001 BRAZOS
RIVER AUTHORITY NAVASOTA RIVER 0803000000 NAEA66 10
WSLMSTNE 185502. 0
**PX 1
WR516531 0.0 UNIFO19790904 1 2 0.0000 C5165_8 C516565165001 BRAZOS
RIVER AUTHORITY NAVASOTA RIVER 0803000000 NAEA66 10
WSLMSTNE 185502. 0
**PX 1
** SysOp Change:
** Calculate the total depletion for water right 5165.
**WRSR5165 19740506 Compute Dep 5165 SYSTEM
**TO 6 1.0 ADD C5165_1 CONT
**TO 6 1.0 ADD C5165_2 CONT
**TO 6 1.0 ADD C5165_3 CONT
**TO 6 1.0 ADD C5165_4 CONT
**TO 6 1.0 ADD C5165_5 CONT
**TO 6 1.0 ADD C5165_6 CONT
**TO 6 1.0 ADD C5165_7 CONT
**PX 4
**

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** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to the regulated flow. In the first pass, the regulated flow is the depletion from the reservoir. In the second pass,
** the depletion is limited to the first pass (base run)
**WRSR5165 9999999      19740506                Depletion 5165  SYSTEM
**PX      5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WRS16531      19740506      1.0000  5165DP      Lumped Dep 5165  SYSTEM lsimdep
**TO      11      1.0      ADD      Depletion 5165
**PX      2
**
** Junior Priority
**
** SysOp Change:
** Calculate the total depletion for water right 5165. At junior priority
**WRSR5165      19790904                Compute Dep5165b  SYSTEM
**TO      6      1.0      ADD      C5165_8
**PX      4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
**WRSR5165 9999999      19790904                Depletion 5165b  SYSTEM
**PX      5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass) for the junior priority.
**WRS16531      19790904      1.0000  5165DP      Lumped Dep 5165b  SYSTEM lsimdep
**TO      11      1.0      ADD      Depletion 5165b
**PX      2
** Special code to output storage from first simulation
**WRLS_dum      19790904                lsimLSstor      look
**TO      4      SET      LMSTNE
**PX      4
**WRLS_dum 9999999 XMONTH19790904      2simLSstor      look
**PX      5
** - End modeling Lake Limestone.
** end FNI change
**
WR536731 0.0 UNIFO19740225 1 2 0.0000 C5367_1 C536765367301 BERT
WHEELER BEAR CRK 0783160000 NAEA66 10
WSRC5367 1298. 0.5228 0.8206 0 0
**WR/WS/SO/IF Records added/changed for P5160, CAMP COOLEY LTD.
WR5160P1 0.0 D&L319871002 1 2 0.0000 P5160_1 P516015160301 CAMP
COOLEY LTD. STEELE CRK 0782000000 NAEA66 10
WSRP5160 609. 0.5228 0.8206 0 0
WR516032 0.0 D&L319871002 1 2 0.0000 P5160_2 P516015160302 CAMP
COOLEY LTD. STEELE CRK 0782000000 NAEA66 10
WSP51602 314. 0.5228 0.8206 0 0
WR529731 0.0 UNIFO19720403 1 2 0.0000 C5297_1 C529765297301 CAMP
COOLEY LTD BEAR CRK 0783150000 NAEA66 10
WSRC5297 420. 0.5228 0.8206 0 0
IF529831 180. IFD10319740701 1 IFC5298_1
WR529831 13200. IND319740701 1 2 0.0000 C5298_1 C529865298001 TEXAS
UTILITIES ELECTRIC CO DUCK CRK 0780900000 NABR67 10
WSTWNOAK 28186. 0
WR529931 0.0 UNIFO19760830 1 2 0.0000 C5299_1 C529965299301 JAMES
DENNISON ETAL CLEAR CRK 0780300000 NABR67 10
WSRC5299 159. 0.5228 0.8206 0 0
WR429601 120. IRR319850806 1 2 0.0000 P4296_1 P429614296001 HORIZON
LAND & CATTLE CO PIGEON ROOST CRK 0780200000 NABR67 10
WR429602 0. IRR319850806 1 2 0.0000 P4296_2 P429614296002 HORIZON
LAND & CATTLE CO PIGEON ROOST CRK 0780200000 NABR67 10
SO BACKUP
WR429603 0. IRR319850806 1 2 0.0000 P4296_3 P429614296003 HORIZON
LAND & CATTLE CO PIGEON ROOST CRK 0780200000 NABR67 10
SO BACKUP
WR530031 0.0 UNIFO19550411 1 2 0.0000 C5300_1 C530065300301 DAVID
PATE ET UX MILL CRK 0780000000 NABR67 10
WSRC5300 290. 0.5228 0.8206 0 0
WR530131 0.0 UNIFO19480614 1 2 0.0000 C5301_1 C530165301301 CAMP
CREEK WATER CO. CAMP CRK 0775000000 NABR67 10
WSCAMCRK 5612. 0
WR530231 0.0 UNIFO19690825 1 2 0.0000 C5302_1 C530265302301 HILLTOP
LAKES RESORT CITY RUNNING CRK 0767000000 NABR67 10
WSRC5302 976. 0.5228 0.8206 0 0
WR530232 0.0 UNIFO19740528 1 2 0.0000 C5302_2 C530265302302 HILLTOP
LAKES RESORT CITY RUNNING CRK 0767000000 NABR67 10
WSC53021 465. 0.5228 0.8206 0 0

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WR530331	0.0	UNIFO19750203	1	2	0.0000		C5303_1	C530365303301			CITY
OF NORMANGEE						RUNNING CRK		0766900000	NABR67	10	
WSRC5303	360.	0.5228	0.8206		0						
WR530431	0.0	UNIFO19761012	1	2	0.0000		C5304_1	C530465304301			JOINT
TEXAS DIVISION OF ETC						RAYLEIGH		0756750000	BRHE68	10	
WSRC5304	210.	0.5228	0.8206		0						
WR530531	0.0	UNIFO19770117	1	2	0.0000		C5305_1	C530565305301			GERALD
S PITTS LTD NO 1						ALLCORN		0749000000	BRHE68	10	
WSRC5305	272.	0.5228	0.8206		0						
WR530631	0.0	UNIFO19750428	1	2	0.0000		C5306_1	C530665306301			SELECTED
LANDS LTD NO 18						NAVASOTA RIVER		0747750000	BRHE68	10	
WSRC5306	216.	0.5228	0.8206		0						
WR530831	12.0	IRR319760927	1	2	0.0000		C5308_1	C530865308001			BRIARCREST
COUNTRY CLUB INC						BRIAR		0747140000	BRHE68	10	
WSRC5308	12.0	0.5228	0.8206		0						
WR530831	0.0	UNIFO19760927	1	2	0.0000		C5308_2	C530865308301			BRIARCREST
COUNTRY CLUB INC						BRIAR		0747140000	BRHE68	10	
WSRC5308	12.0	0.5228	0.8206		0						
** Do not model. This right is is for clean up of arsenic from Finfeather Lake only.											
** The water is diverted, ran through a WTP and immediately returned to the diversion point.											
**WR542201	119.	UNIFO19920610	1	2	0.0000		P5422_1	P542215422001			ELF
ATOCHEM NORTH AMERICA INC						UNNAMED TRIB		0747135000	BRHE68	B 10	
WR530931	0.0	UNIFO19750106	1	2	0.0000		C5309_1	C530965309301			CITY
OF BRYAN						BURTON CRK		0747130000	BRHE68	10	
WSRC5309	73.0	0.5228	0.8206		0						
WR535731	0.0	UNIFO19910411	1	2	0.0000		P5357_1	P535715357301			"COLLEGE
STATION, CITY OF"						WOLF PEN CRK		0747070000	BRHE68	10	
WSRP5357	13.4	0.5228	0.8206		0						
WR534531	0.0	UNIFO19910208	1	2	0.0000		P5345_1	P534515345301			TAC
REALTY INC						CARTERS CRK		0747010000	BRHE68	10	
WSRP5345	14.0	0.5228	0.8206		0						
WR531031	0.0	UNIFO19690106	1	2	0.0000		C5310_1	C531065310301			CARTER
LAKE HOME OWNERS CORP						CARTER CRK		0747000000	BRHE68	10	
WSRC5310	481.	0.5228	0.8206		0						
WR513232	0.0	IND319870513	1	2	0.0000		P5132_1	P513215132001			TEXAS
MUNICIPAL POWER AGENCY						(HEIFER) NAVASOTA		0746500000	BRHE68	B 10	
WSP51320	879.	0.5228	0.8206		0						
WR513231	0.0	IND319870513	1	2	0.0000		P5132_2	P513215132001			TEXAS
MUNICIPAL POWER AGENCY						(HEIFER) NAVASOTA		0746500000	BRHE68	B 10	
WSP51321	382.	0.5228	0.8206		0						
WR513233	0.0	IND319870513	1	2	0.0000		P5132_3	P513215132001			TEXAS
MUNICIPAL POWER AGENCY						(HEIFER) NAVASOTA		0746500000	BRHE68	B 10	
WSP51322	747.	0.5228	0.8206		0						
**WR513241	0.0	IND319870513	1	2	0.0000		P5132_4	P513215132001			TEXAS
MUNICIPAL POWER AGENCY						(HEIFER) NAVASOTA		0746500000	BRHE68	B 10	
**WSP51323	150.	0.2710	0.8958		0						
IF557021	40905.	IFD10119970117			1		IFP5570_1				
WR557021	365.	IRR319970117	1	2	0.0000		P5570_1	P557015570201			DAVID
MOODY TRUSTEE ET AL						NAVASOTA RIVER		0746450000	BRHE68	10	
WR532931	325.	IRR319901116	1	2	0.0000		P5329_1	P532915329002			PEBBLE
CREEK COUNTRY CLUB INC						CARTERS CRK		0746400000	BRHE68	10	
WSRP5329	16.0	0.5228	0.8206		0						
WR532931	0.	IRR319901116	1	2	0.0000		P5329_2	P532915329002			PEBBLE
CREEK COUNTRY CLUB INC						CARTERS CRK		0746400000	BRHE68	10	
WSRP5329	16.0	0.5228	0.8206		0						
SO						BACKUP					
WR532931	0.0	UNIFO19901116	1	2	0.0000		P5329_3	P532915329002			PEBBLE
CREEK COUNTRY CLUB INC						CARTERS CRK		0746400000	BRHE68	10	
WSRP5329	16.0	0.5228	0.8206		0						
WR538531	140.	D&L319910919	1	2	0.0000		P5385_1	P538515385301			NANTUCKET
LTD						ALUM CRK		0746300000	BRHE68	10	
WSRP5385	140.	0.5228	0.8206		0						
WR508131	0.0	UNIFO19860806	1	2	0.0000		P5081_1	P508115081301			BRAZOS
COAL LIMITED						LICK CRK		0746200000	BRHE68	10	
WSRP5081	26.	0.5228	0.8206		0						
WR508132	0.0	UNIFO19860806	1	2	0.0000		P5081_2	P508115081302			BRAZOS
COAL LIMITED						LICK CRK		0746200000	BRHE68	10	
WSP50811	22.	0.5228	0.8206		0						
WR508133	0.0	UNIFO19860806	1	2	0.0000		P5081_3	P508115081303			BRAZOS
COAL LIMITED						LICK CRK		0746200000	BRHE68	10	
WSP50812	58.	0.5228	0.8206		0						
WR531431	0.0	UNIFO19741021	1	2	0.0000		C5314_1	C531465314301			WELLBORN
OAKS DEVELOPMENT CO						PIN OAK CRK		0746100000	BRHE68	10	
WSRC5314	230.	0.5228	0.8206		0						
WR547331	10.0	IND319931119	1	2	0.0000		P5473_1	P547315473001			TEXAS
MUNICIPAL POWER AGENCY						SULPHUR CRK		0745900000	BRHE68	10	
WSRP5473	6.0	0.5228	0.8206		0						
** Certificate 5307 is authorized only to supplement diversions and storage at Gibbons Creek plant,											
** authorized under Certificate 5311.											
IF531131	362.	UNIFO19770222			1		IFC5311_1				
** Instream flow requirement for C5307 are similar to Hale Clause requirements, but only											
** reference Lake Limestone and do not reference USGS gages.											
IF530701	17022.	IFD10419801215			1		IFC5307_1				

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WR531131	9740.	IND319770222	1	2	0.0000				C5311_1	TMPAGIB65311001								TEXAS
MUNICIPAL POWER AGENCY										0745850000	BRHE68	10						
WSGIBCRK	24764.				0													
**Revision 12/29/05																		
WR531131	0.	IND319801215	1	2	0.0000				C5307_1	TMPAGIB65311001								
WSGIBCRK	24764.				0													
SO	1500.	2400.	530701			BACKUP												
WR531131	0.0	IND319890309	1	2	0.0000				C5311_2	TMPAGIB65311001								TEXAS
MUNICIPAL POWER AGENCY										0745850000	BRHE68	10						
WSGIBCRK	24764.																	
SO						BACKUP												
WR531131	0.	IND319890309	1	2	0.0000				C5307_2	TMPAGIB65311001								TEXAS
MUNICIPAL POWER AGENCY										0747180000	BRHE68	10						
WSGIBCRK	24764.				0													
SO		3600.	DUMMY1			BACKUP												
WR530701	18000.	19890308			1.0000	DUMMY1			C5307_2A	TMPAGIB								
TO	6	-1	ADD	0.01					C5307_1									
WRDUMMY1		19890309			1.0000	530701			C5307_4	TMPAGIB								
TO	2	1.0																
WR530701	0.	IND319801215	1	2	0.0000				C5307_3	TMPAGIB65307001								TEXAS
MUNICIPAL POWER AGENCY										0747180000	BRHE68	10						
WSRC5307	17.0	0.5228	0.8206		0													
WR531231	200.	MIN319820524	1	2	0.0000				C5312_1	C531265312001								TEXAS
MUNICIPAL POWER AGENCY										0745800000	BRHE68	B 10						
WSRC5312	92.0	0.4897	0.7633		0	0												
WR545831	100.	IND319930405	1	2	0.0000				P5458_1	P545815458001								TEXAS
MUNICIPAL POWER AGENCY										0745780000	BRHE68	B 10						
WSRP5458	253.	0.5228	0.8206		0	0												
WR545831	0.0	UNIFO19930405	1	2	0.0000				P5458_2	P545815458001								TEXAS
MUNICIPAL POWER AGENCY										0745780000	BRHE68	B 10						
WSRP5458	253.	0.5228	0.8206		0	0												
WR505331	0.0	MIN319860403	1	2	0.0000				P5053_1	P505315053301								TEXAS
MUNICIPAL POWER AGENCY										0745750000	BRHE68	B 10						
WSRP5053	5.	0.5228	0.8206		0	0												
WR505332	0.0	MIN319860403	1	2	0.0000				P5053_2	P505315053302								TEXAS
MUNICIPAL POWER AGENCY										0745750000	BRHE68	B 10						
WSP50531	955.	0.5228	0.8206		0	0												
WR505333	0.0	MIN319860403	1	2	0.0000				P5053_3	P505315053303								TEXAS
MUNICIPAL POWER AGENCY										0745750000	BRHE68	B 10						
WSP50532	1.	0.5228	0.8206		0	0												
WR505334	0.0	MIN319860403	1	2	0.0000				P5053_4	P505315053304								TEXAS
MUNICIPAL POWER AGENCY										0745750000	BRHE68	B 10						
WSP50533	13.	0.5228	0.8206		0	0												
WR505335	0.0	MIN319860403	1	2	0.0000				P5053_5	P505315053305								TEXAS
MUNICIPAL POWER AGENCY										0745750000	BRHE68	B 10						
WSP50534	440.	0.5228	0.8206		0	0												
WR505336	0.0	MIN319860403	1	2	0.0000				P5053_6	P505315053306								TEXAS
MUNICIPAL POWER AGENCY										0745750000	BRHE68	B 10						
WSP50535	5.	0.5228	0.8206		0	0												
WR531331	0.0	UNIFO19710809	1	2	0.0000				C5313_1	C531365313301								TEXAS
MUNICIPAL POWER AGENCY										0745700000	BRHE68	10						
WSRC5313	519.	0.5228	0.8206		0	0												
WR535431	200.	IND319910401	1	2	0.0000				P5354_1	P535415354001								TEXAS
MUNICIPAL POWER AGENCY										0745651000	BRHE68	10						
WSRP5354	191.	0.5228	0.8206		0	0												
IF556601	35780.	IFD10219970115			1			IFP5566_1										
WR556641	250.	IRR319970115	1	2	0.0000				P5566_1	P556615566001								STEWART
& MARY THOMPSON & TRUST						NAVASOTA RIVER				0743800000	BRHE68	10						
WSRP5566	7.0	0.2710	0.8958		0	0												
SO	66.	250.	556601															
WR556601	0.	IRR319970115	1	2	0.0000				P5566_2	P556615566001								STEWART
& MARY THOMPSON & TRUST						NAVASOTA RIVER				0743800000	BRHE68	10						
WR528613	218.	IRR319561231	1	2	0.0000				C5286_1	C528665286103								JOYCE
ANN FREDE						NAVASOTA RIVER				0743500000	BRHE68	10						
WR528613	232.	IRR319821220	1	2	0.0000				C5286_2	C528665286103								JOYCE
ANN FREDE						NAVASOTA RIVER				0743500000	BRHE68	10						
WR528611	259.	IRR319821220	1	2	0.0000				C5286_3	C528665286101								JOYCE
ANN FREDE						BRAZOS RIVER				0743500000	BRHE68	10						
WR528612	258.5	IRR319821220	1	2	0.0000				C5286_4	C528665286102								WILLIE
BALDOBINO ET UX						BRAZOS RIVER				0743500000	BRHE68	10						
** HALE CLAUSE																		
IFBRHE68	557820.	IFD11119821220	1	1				IFC5285_1										
WR528512	752.	IRR419821220	1	2	0.0000				C5285_1	C528565285102								WILLIAM
J TERRELL ET AL						BRAZOS RIVER				1117810000	BRHE68	11						
** HALE CLAUSE																		
IFBRHE68	557820.	IFD11119821220	1	1				IFP4011_1										
WR401111	905.	IRR419821220	1	2	0.0000				P4011_1	P401114011101								ROBERT
HARRY MOORE						BRAZOS RIVER				1117750000	BRHE68	11						
WR401111	498.	IRR419821220	1	2	0.0000				P4011_2	P401114011101								MELANIE
MOORE KOLBY ET AL						BRAZOS RIVER				1117750000	BRHE68	11						
** HALE CLAUSE																		
IFBRHE68	557820.	IFD11119821220			1			IFP4016_1										
**WR401631	43.	IRR419821220	1	2	0.0000				P4016_1	P401614016001								TOM
J. MOORE FARMS						BRAZOS RIVER				1117700000	PPSA28	11						

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IFBRHE68 557820. IFD11119821220 1 1 IFP4016_1
WR401611 4450. IRR419821220 1 1 P4016_2 P401614016101 TOM
J. MOORE FARMS BRAZOS RIVER 1117700000 BRHE68 11
** FNI change - 1 in cc 34
IFBRHE68 0 IFD11119821220 1 1 IFP4016_2
WRP40161 4450 IRR419821220 1 1 P4016_1 P401614016101
TO 11 SUB P4016_2
WSRP4016 43.0 0.5228 0.8206 0 0 43
SO
** FNI change - 1 in cc 34
IFBRHE68 557820. IFD11119821220 1 1 IFP4016_3
** HALE CLAUSE
IFBRHE68 613616. IFD11219840313 1 1 IFP4016_4
**WR401631 990. IRR419840313 1 2 0.0000 P4016_3 P401614016001 TOM
J. MOORE FARMS BRAZOS RIVER 1117700000 PPSA28 11
WR401611 990. IRR419840313 1 2 0.0000 P4016_3 P401614016001 TOM
J. MOORE FARMS BRAZOS RIVER 1117700000 PPSA28 11
WR531531 0.0 UNIFO19720214 1 2 0.0000 C5315_1 C531565315301 NAVASOTA
FISHING CLUB INC BARTLETT 0741610000 BRHE68 11
WSRC5315 170. 0.5228 0.8206 0 0
IFBRHE68 613616. IFD11219900403 1 1 IFP5290_1
WRP52901 250. IRR419900403 1 2 0.0000 P5290_1 P529015290001 TEXAS
DEPT OF CRIMINAL JUSTICE BRAZOS RIVER 0741400000 BRHE68 11
WSRP5290 30.0 0.5228 0.8206 0 0
WR529041 598. IRR419900403 1 2 0.0000 P5290_2 P529015290001 TEXAS
DEPT OF CRIMINAL JUSTICE BRAZOS RIVER 0741400000 BRHE68 11
WSR52901 277. 0.5228 0.8206 0 0
SO 598. 529003
WR561631 0.0 UNIFO19980930 1 2 0.0000 P5616_1 P561615616301 PROTESTANT
EPISCOPAL CHRCH COU BEASON CRK 0740700000 BRHE68 A 11
WSRP5616 730.3 0.5228 0.8206 0 0
WR531634 0.0 UNIFO19800407 1 2 0.0000 C5316_1 C531665316304 CHAPPELL
HILLS INC LTL CEDAR 0738540000 BRHE68 11
WSRC5316 56.0 0.8475 0.6756 0 0
WR531731 0.0 UNIFO19750728 1 2 0.0000 C5317_1 C531765317301 ROLLING
HILLS PROPERTY OWNERS GLADISH 0737980000 BRRI70 11
WSRC5317 39.0 0.8475 0.6756 0 0
WR531831 0.0 UNIFO19760517 1 2 0.0000 C5318_1 C531865318301 G
M BECKER CLEAR CRK 0737970000 BRRI70 11
WSRC5318 324. 0.5228 0.8206 0 0
** HALE CLAUSE
IFBRHE68 557820. IFD11119830418 1 1 IFP4009_1
WRP40091 135.66 IRR419830418 1 2 0.0000 P4009_1 P400914009001 C
H & BETTY JEAN WILLIAMSON BRAZOS RIVER 0737740000 BRRI70 11
** HALE CLAUSE
IFBRI70 554696. IFD11619850806 1 1 IFP4280_1
WR428001 10.0 IND419850806 1 2 0.0000 P4280_1 P428014280001 ACME
BRICK COMPANY BRAZOS RIVER 0734800000 BRRI70 11
**
** ALLENS CREEK - HDR - Removed for current supplies analysis
**
** Use dummy water rights to check if diversions can be made under the 2 highest levels of instream
** flow requirements. Return flows diverted by dummy rights to same control point from which diverted
** to preserve mass balance.
** WR/WS/IF/SO/TO Records Changed
**IF 2925A 2604379 MEDIAN19990901 1 1
**WR 2925A 12.0 19990901 1 1 1.0 2925A METEST ALLENS12925001
**IF 2925A 0 MEDIAN19990901 1 1
**
**IF 2925A 1076933 25THPT19990901 1 1
**WR 2925A 12.0 19990901 1 1 1.0 2925A 25TEST ALLENS12925001
**IF 2925A 0 25THPT19990901 1 1
**
** Utilize diversions made by dummy water rights to set the appropriate instream flow
** requirement for median and 25th percentile flows. Since WRAP model protects downstream
** water rights, IF requirement to protect downstream senior rights is unnecessary and is
** commented out.
**MEDIAN IF
**IF 2925D 2604379 MEDIAN19990901 1 1 MEDIAN-REG
**TO 6 LIM 0.1 10.0 METEST
**25TH PERCENTILE IF
**IF 2925C 1076933 25THPT19990901 1 1 25THPT-REG
**TO 6 LIM 0.1 10.0 25TEST
**WATER QUALITY PROTECTION (7Q2) IF
**IF 2925A 531399 7Q219990901 1 1 7Q2-REG
**
**-----
**WR292531 99650 MUN419990901 1 1 ALLENS_1 ALLENS12925001 TEXAS
WATER DEVELOPMENT BOARD ALLENS CRK 0724750000 BRRI70
**WSALLENS 145533
**PX 1
** ALLENS CREEK PUMP FROM BRAZOS RIVER
**WR292531 0 MUN419990901 1 1 TESTWR1 ALLENS
**WSALLENS 145533
    
```

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**SO      130680 202000 292504 BACKUP
**PX      3
** SysOp Change:
** Calculate the total depletion for water right 2925.
**WRSR2925      19990901      Compute Dep 2925  SYSTEM
**TO      6      1.0      ADD      ALLENS_1
**PX      4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to the regulated flow. In the first pass, the regulated flow is the depletion from the reservoir. In the second pass,
** the depletion is limited to the first pass (base run)
**WRSR2925 9999999      19990901      Depletion 2925  SYSTEM
**PX      5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WR292531      19990901      1.0000 2925DP      Lumped Dep 2925  SYSTEM lsimdep
**TO      11      1.0      ADD      Depletion 2925
**PX      2
**
** Special code to output storage from first simulation
**WRAC_dum      19990901      lsimACstor      look
**TO      4      SET      ALLENS
**PX      4
**WRAC_dum 9999999 XMONTH19990901      2simACstor      look
**PX      5
** end FNI change
**
*****
IF423204      362.      UNIFO19850409      1      IFP4232_1
WR423231      884.      IRR419850409      1 2 0.0000      P4232_1      P423214232001      TWINWOOD
CORP NV ET AL      BRAZOS RIVER      0724000000      BRR170      11
WSRP4232      1481.7      0.5228 0.8206      0      0
WR423231      0.0      UNIFO19860411      1 2 0.0000      P4232_2      P423214232001      TWINWOOD
CORP NV ET AL      BRAZOS RIVER      0724000001      BRR170      11
WSRP4231      1488.8      0.5228 0.8206      0      0
WR531931      117.      IRR419630531      1 2 0.0000      C5319_1      C531965319002      WELDON
S LAAS ETAL      BESSIES      0538000000      BRR170      11
WSRC5319      41.0      0.4897 0.7633      0      0
** C5320 is used to provide makeup water to Smithers Lake under CA 5325.
** FNI change - added backup from BRA system.
** Max recent historical use 15,671 ac-ft in 2005. Assume 12,000 ac-ft goes to irrigation and not returned
** According to NRG accounting plan, about 3,900 ac-ft goes to Brazos Valley Electric plant from this water right
** rest available for Parish plant. Backup from BRA
** Also according to NRG accounting plan, they assign diversions under this right to the Excess Flows permit if flows at
Richmond > 2,000 cfs
** Since Excess Flows is non-priority, diversions under Excess Flows will be determined externally
**WR532001 12000.      IND419261023      1 1 1.0000 D53251      C5320_1      C532065320001      RICHMOND
IRR HOUSTON LIGHTING & POWER COBRAZOS RIVER      0480000000      BRR170      11
**WR532001 28000.      IND419261023      1 1 1.0000 D53251      C5320_2      C532065320001      RICHMOND
IRR HOUSTON LIGHTING & POWER COBRAZOS RIVER      0480000000      BRR170      11
WR532001 12000.      IRR419261023      1 1      C5320_1      C532065320001
WR532001 3900.      IND419261023      1 1      C5320_1bve      C532065320001
WR532001 24100.      IND419261023      1 1 1.0000 D53251      C5320_2      C532065320001
** end FNI change
** HALE CLAUSE
** WR/WS/SO/IF Records added/changed for P5567, SAND SUPPLY INC.
IFBRR170 721379.      IFD11319970109      1 1      IFP5567_1
WR556712 2100.      IND419970109      1 1 0.8800      P5567_1      P556715567102      SAND
SUPPLY INC      BRAZOS RIVER      0478000000      BRRO72      11
WR511031 0.0      UNIFO19861118      1 2 0.0000      P5110_1      P511015110001      FORT
BEND COUNTY LEVEE ID #11      M BAYOU      0477000000      BRRO72      11
WSRP5110 354.      0.8475 0.6756      0      0
** Right is for redirection of flows for flood control. Do not model.
**WR517301 0.0      UNIFO19880316      1 2 0.0000      P5173_1      P517315173001      FORT
BEND COUNTY LEVEE I D #11      MIDDLE BAYOU      0476500000      BRRO72      11
** Storage for off-channel settling ponds not modeled.
** HALE CLAUSE
IFBRR170 553178.      IFD11419960507      1 1      IFP5552_1
WR555211 2300.      MIN419960507      1 1 0.9000      P5552_1      P555215552101      CSB
MATERIALS INC      BRAZOS RIVER      0450000000      BRRO72      B 11
**WSP5552 11.3      0.5228 0.8206      0      0
** Right is for redirection of flows for flood control. Do not model.
** Changed diversion location to CON155
**WRCON155 3000.      MUN419390201      1 4 R51711 106271      C5171_1      C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000      BRRO72      11
**WRCON155 4500.      MUN419390201      1 4 R51711 104101      C5171_2      C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000      BRRO72      11
**WRCON155 19500.      MUN419390201      1 4 R51711 105685      C5171_3      C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000      BRRO72      11
**WRCON155 33750.      MUN419390201      1 4 R51711 103751      C5171_4      C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000      BRRO72      11

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**WRCON155 14250. MUN419390201 1 4 R51711 101731 C5171_5 C517165171002 GULF
COAST WATER AUTHORITY BRAZOS RIVER 0420000000 BRRO72 11
**WRCON155 50000. IRR419501212 1 2 0.0000 C5171_8 C517165171002 GULF
COAST WATER AUTHORITY BRAZOS RIVER 0420000000 BRRO72 11
** FNI change - common group identifier for GCWA rights
WRCON155 3000. MUN419390201 1 4 R51711 106271 C5171_1 C5171 gcwa
WRCON155 4500. MUN419390201 1 4 R51711 104101 C5171_2 C5171 gcwa
WRCON155 19500. MUN419390201 1 4 R51711 105685 C5171_3 C5171 gcwa
WRCON155 33750. MUN419390201 1 4 R51711 103751 C5171_4 C5171 gcwa
WRCON155 14250. MUN419390201 1 4 R51711 101731 C5171_5 C5171 gcwa
WRCON155 0.0 IND419390201 1 2 0.0000 C5171_6 C517165171002 GULF
COAST WATER AUTHORITY BRAZOS RIVER 0420000000 BRRO72 11
WRCON155 0.0 MIN419390201 1 2 0.0000 C5171_7 C517165171002 GULF
COAST WATER AUTHORITY BRAZOS RIVER 0420000000 BRRO72 11
WRCON155 50000. IRR419501212 1 2 0.0000 C5171_8 C5171 gcwa
** This right authorizes two off-channel reservoirs (7308 acft from which diversions can be
** made for multi-uses; 65 acft for emergency fire fighting). The maximum that can be
** diverted from the Brazos River into these two reservoirs and subsequently used is
** 99932 acft/yr. Model both reservoirs together as a single combined reservoir because
** WRAP model does not have the capability to limit cumulative streamflow depletions made
** by more than one WR record. The reservoir storage has priority dates junior to the Brazos
** River diversion, but because the reservoirs are refilled by the Brazos River diversion,
** the priority of the storage is treated as identical to that of the diversion.
** Changed diversion location to CON155
**WR516841 1999. MUN419260115 1 4 R51711 106271 C5168_1 C516865168001 GULF
COAST WATER AUTHORITY BRAZOS RIVER 0400000000 SJGBC3 11
WR516841 1999. MUN419260115 1 4 R51711 106271 C5168_1 C5168 gcwa
WSRC5168 7373. 0.2710 0.8958 0 0
SO 1999. CON155
WR516841 2998. MUN419260115 1 4 R51711 104101 C5168_2 C5168 gcwa GULF
COAST WATER AUTHORITY BRAZOS RIVER 0400000000 SJGBC3 11
WSRC5168 7373. 0.2710 0.8958 0 0
SO 2998. CON155
WR516841 12991. MUN419260115 1 4 R51711 105685 C5168_3 C5168 gcwa GULF
COAST WATER AUTHORITY BRAZOS RIVER 0400000000 SJGBC3 11
WSRC5168 7373. 0.2710 0.8958 0 0
SO 12991. CON155
WR516841 22485. MUN419260115 1 4 R51711 103751 C5168_4 C5168 gcwa GULF
COAST WATER AUTHORITY BRAZOS RIVER 0400000000 SJGBC3 11
WSRC5168 7373. 0.2710 0.8958 0 0
SO 22485. CON155
WR516841 9493. MUN419260115 1 4 R51711 101731 C5168_5 C5168 gcwa GULF
COAST WATER AUTHORITY BRAZOS RIVER 0400000000 SJGBC3 11
WSRC5168 7373. 0.2710 0.8958 0 0
SO 9493. CON155
WR516841 49966. IND419260115 1 2 0.0000 C5168_6 C5168 gcwa GULF
COAST WATER AUTHORITY BRAZOS RIVER 0400000000 BRRO72 11
WSRC5168 7373. 0.2710 0.8958 0 0
SO 49966. CON155
WR516841 0.0 IRR419260115 1 2 0.0000 C5168_7 C5168 gcwa GULF
COAST WATER AUTHORITY BRAZOS RIVER 0400000000 BRRO72 11
WSRC5168 7373. 0.2710 0.8958 0 0
SO CON155
** end FNI change
**
** This right authorizes a 200,000 acft/yr IBT to the San Jacinto-Brazos Coastal Basin from
** BRA reservoir releases. This is not in addition to those diversions already authorized
** for the BRA reservoirs. Do not model.
**WR516701 30000. MUN4 1 2 0.0000 C5167_1 C516765167001 BRAZOS
RIVER AUTHORITY BRAZOS RIVER 0395000000 BRRO72 11
**WR516701 170000. IND4 1 2 0.0000 C5167_2 C516765167001 BRAZOS
RIVER AUTHORITY BRAZOS RIVER 0395000000 BRRO72 11
** Do not model this right. This ""excess flows"" right essentially eliminates the need for the
** BRA to release stored water from system reservoirs to lower basin customers, if the flow is available
** in the river. Leave this right in the model, but with zero annual authorized diversion
** in order to determine availability of excess flows.
WR516601 0.0 MUN4 1 2 0.0000 C5166_1 C516665166001 BRAZOS
RIVER AUTHORITY BRAZOS RIVER 0390000000 BRRO72 11
** Do not model three off-channel reservoirs. Reservoirs are only to be used for buffering purposes to improve
** pumping efficiency of water diverted from the Brazos River -- there is no right for perpetual impoundment of
** Brazos River water. Amendments A & B to C5322 state that the reservoirs are authorized to impound
** water for industrial fish farming purposes; however, the water available for perpetual impoundment
** is available from sources other than authorized under the certificate.
** Based upon paragraph (4) of the SPECIAL CONDITIONS, a constant 406 cfs instream flow restriction
** is to be used for hydrologic analyses in order to protect existing rights. Special condition A.(1)
** states a 15 cfs or 5 cfs instream flow restriction when diversions will not be injurious to senior downstream
** rights. The WRAP model protects senior downstream rights, so use the lower instream flow requirement (5/15 cfs).
** Added municipal use to reflect multiple uses authorized by amendment.
IFBRRO72 6655. IFD11519290208 1 IFC5322_1
** FNI change - common GCWA group identifier
**WR532201 40000. MUN419290208 1 2 0.0000 C5322_1 C532265322001 CHOCOLATE
BAYOU WATER CO BRAZOS RIVER 0235000000 BRRO72 11
**WR532201 40000. MUN419550314 1 2 0.0000 C5322_4 C532265322001 CHOCOLATE
BAYOU WATER CO BRAZOS RIVER 0235000000 BRRO72 11

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SO	114.	533001											
ML	114.	114.	114.	114.	57.	0.	0.	0.	57.	114.	114.	114.	
** This right can transfer all or part of 45000 acft/yr (municipal) into San Jacinto-Brazos													
** Coastal Basin or Brazos-Colorado Coastal Basin from the Brazos River Basin. Because the actual													
** IBT amount is not specified, this IBT is not modeled, except for flows returned to points													
** 105481 and 100441 in the San Jacinto-Brazos Coastal Basin.													
WR536602	11700.	MUN419600404	1	4	R53661	105481			C5366_1	C536665366002			BRAZOSPORT
WATER AUTHORITY		BRAZOS RIVER								0041000000	BRGM73	11	
WR536602	13500.	MUN419600404	1	4	R53661	100471			C5366_2	C536665366002			BRAZOSPORT
WATER AUTHORITY		BRAZOS RIVER								0041000000	BRGM73	11	
WR536602	7650.	MUN419600404	1	4	R53661	108821			C5366_3	C536665366002			BRAZOSPORT
WATER AUTHORITY		BRAZOS RIVER								0041000000	BRGM73	11	
WR536602	12150.	MUN419600404	1	4	R53661	100441			C5366_4	C536665366002			BRAZOSPORT
WATER AUTHORITY		BRAZOS RIVER								0041000000	BRGM73	11	
** The right can divert up to 238,156 acft/yr from the Brazos River to be used directly for													
** municipal, industrial and domestic and livestock purposes. The water diverted from the													
** Brazos River can also be impounded in the off-channel Harris and Brazoria Reservoirs.													
** Water diverted from the Brazos River can be passed through the reservoirs for subsequent use.													
** The certificate language is unclear whether water in excess of the 238,156 acft/yr can be													
** diverted from the Brazos River to maintain storage in Harris and Brazoria Reservoirs.													
** A priority date separate from the Brazos River diversion is provided for impoundment in Brazoria													
** Reservoir with no specification on where the diversion into the off-channel reservoir originates.													
** As the reservoirs are operated essentially as pass-through or temporary holding facilities, model													
** all diversions from the Brazos River as being used directly for the authorized purposes and do													
** not include the storage in Brazoria or Harris Reservoirs in the model.													
** The interbasin transfer of 3,136 acft/yr for municipal use by the City of Freeport from the													
** Brazos to San Jacinto-Brazos Coastal Basin, is returned to the City of Freeport's WWTP dischargin													
** to the Brazos River.													
WR532802	20000.	IND419290228	1	2	0.0000				C5328_1	C532865328002			DOW
CHEMICAL CO		BRAZOS RIVER								0040000000	BRGM73	11	
WR532802	150000.	IND419420214	1	2	0.0000				C5328_2	C532865328002			DOW
CHEMICAL CO		BRAZOS RIVER								0040000000	BRGM73	11	
**WR532841	0.0	MUN419420214	1	2	0.0000				C5328_3	C532865328001			DOW
CHEMICAL CO		BRAZOS RIVER								0040000000	BRGM73	11	
**WSHARRIS	10200.					0							
WR532832	58175.	IND419420214	1	2	0.0000				C5328_4	C532865328003			DOW
CHEMICAL CO.-SEE	BRAZOS	Oyster Creek								0040000000	SJGMC4	11	
WSC53281	30.0	0.5228	0.8206			0	0						
WR532832	1800.	IRR419420214	1	2	0.0000				C5328_5	C532865328003			DOW
CHEMICAL CO		Oyster Creek								0040000000	SJGMC4	B 11	
WSC53281	30.0	0.5228	0.8206			0	0						
WR532832	25.0	UNIF019420214	1	2	0.0000				C5328_6	C532865328003			DOW
CHEMICAL CO		Oyster Creek								0040000000	SJGMC4	B 11	
WSC53281	30.0	0.5228	0.8206			0	0						
WR532831	7500.	MUN419510403	1	2	0.0000				C5328_7	C532865328004			DOW
CHEMICAL CO		Buffalo Camp Bayou								0040000000	BRGM73	11	
WSC53282	600.	0.8475	0.6756			0	0						
**WR532842	0.0	MUN419510407	1	2	0.0000				C5328_8	C532865328002			DOW
CHEMICAL CO		BRAZOS RIVER								0040000000	BRGM73	11	
**WSBRZRIA	21700.					0							
WR532802	65000.	IND419600404	1	2	0.0000				C5328_9	C532865328002			DOW
CHEMICAL CO		BRAZOS RIVER								0040000000	BRGM73	11	
WR532802	3136.	MUN419760308	1	4	R53661	108821			C5328_10	C532865328002			DOW
CHEMICAL CO		BRAZOS RIVER								0040000000	BRGM73	B 11	
WR532802	20.	D&L419600404	1	2	0.0000				C5328_11	C532865328002			DOW
CHEMICAL CO		BRAZOS RIVER								0040000000	BRGM73	11	
** Changed priority date on mining use. Left IND and MUN commented out.													
WR533201	52000.	MIN420000714	1	2	0.0000				C5332_1	C533265332001			UNITED
STATES DEPT OF ENERGY		BRAZOS RIVER								0020000000	BRGM73	B 11	
**WR533201	135.	IND419790625	1	2	0.0000				C5332_2	C533265332001			UNITED
STATES DEPT OF ENERGY		BRAZOS RIVER								0020000000	BRGM73	11	
**WR533201	3.5	MUN419810427	1	2	0.0000				C5332_3	C533265332001			UNITED
STATES DEPT OF ENERGY		BRAZOS RIVER								0020000000	BRGM73	11	
**													
**													
** Start of San Jacinto-Brazos Coastal Basin													
**													
** Unspecified impoundment for hurricane protection, do not model. Also saline right.													
**WR533301	0.0	UNIF019710831	1	2	0.0000				C5333_1	C533365333301			VELASCO
DRAINAGE DISTRICT		OLD BRAZOS RIVER								4440000000	SJGMC4	12	
** Saline right, do not model.													
**WR548501	280.	IND419940420	1	2	0.0000				P5485_1	P548515485001			PHILLIPS
PETROLEUM CO		BRAZOS HARBOR								4419000000	SJGMC4	12	
** Saline right, do not model.													
**WR533403	300000.	IND419400506	1	2	1.0000				C5334_1	C533465334003			DOW
CHEMICAL COMPANY		FREEPORT CHANNEL								4410000000	SJGMC4	12	
**WR533403	874000.	IND419420324	1	2	1.0000				C5334_2	C533465334003			DOW
CHEMICAL COMPANY		FREEPORT CHANNEL								4410000000	SJGMC4	12	
**WR533403	400000.	IND419440710	1	2	1.0000				C5334_3	C533465334003			DOW
CHEMICAL COMPANY		FREEPORT CHANNEL								4410000000	SJGMC4	12	
**WR533403	800000.	IND419540223	1	2	1.0000				C5334_4	C533465334003			DOW
CHEMICAL COMPANY		FREEPORT CHANNEL								4410000000	SJGMC4	12	

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**WR533403 100000.	IND419570329	1	2	1.0000		C5334_5	C533465334003			DOW
CHEMICAL COMPANY					FREEPOR CHANNEL		4410000000	SJGMC4	12	
**WR533403 155000.	IND419600202	1	2	1.0000		C5334_6	C533465334003			DOW
CHEMICAL COMPANY					FREEPOR CHANNEL		4410000000	SJGMC4	12	
**WR5334031500000.	IND419631205	1	2	1.0000		C5334_7	C533465334003			DOW
CHEMICAL COMPANY					FREEPOR CHANNEL		4410000000	SJGMC4	12	
**WR533403 80000.	IND419640708	1	2	1.0000		C5334_8	C533465334003			DOW
CHEMICAL COMPANY					FREEPOR CHANNEL		4410000000	SJGMC4	12	
** Multiple reservoirs combined into single reservoir.										
WR517007 159.27	IND419140627	1	2	0.0000		C5170_1	C517065170007			FORT
BEND COUNTY WCID 1					OYSTER CRK		4365000000	SJGMC4	12	
WR517037 18000.	MUN419480514	1	2	0.0000		C5170_2	C517065170007			FORT
BEND COUNTY WCID 1					OYSTER CRK		4365000000	SJGMC4	12	
WSRC5170 8925.	0.5228	0.8206			0	0				
** Shares reservoir(s) with C5170										
WR517037 12000.	MUN419480514	1	2	0.0000		C5169_1	C516965170001			GULF
COAST WATER AUTHORITY					OYSTER CRK		4359000000	SJGMC4	12	
WSRC5170 8925.	0.5228	0.8206			0	0				
WR517037 0.0	IND419480514	1	2	0.0000		C5169_2	C516965170001			GULF
COAST WATER AUTHORITY					OYSTER CRK		4359000000	SJGMC4	12	
WSRC5170 8925.	0.5228	0.8206			0	0				
WR517037 0.0	IRR419480514	1	2	0.0000		C5169_3	C516965170001			GULF
COAST WATER AUTHORITY					OYSTER CRK		4359000000	SJGMC4	12	
WSRC5170 8925.	0.5228	0.8206			0	0				
WR533601 100.	IRR419561105	1	2	0.0000		C5336_1	C533665336001			"THE
LAKES, LIMITED"					OYSTER CRK		4357100000	SJGMC4	12	
WR533642 0.	UNIFO19561105	1	2	0.0000		C5336_2	C533665336001			"THE
LAKES, LIMITED"					OYSTER CRK		4357100000	SJGMC4	12	
WSRC5336 442.	0.2710	0.8958			0	0				
SO	442	533601								
WR533531 1316.	IRR419561105	1	2	0.0000		C5335_1	C533565335001			"LARRY
J SCHULGEN, TRUSTEE"					OYSTER CRK		4357000000	SJGMC4	D 12	
WSRC5335 379.	0.5228	0.8206			0	0				
WR5365P1 0.0	UNIFO19910621	1	2	0.0000		P5365_1	P536515365001			"MISSOURI
CITY, CITY OF"					OYSTER CRK		4355000000	SJGMC4	12	
WSRP5365 120.	0.5228	0.8206			0	0				
WR533741 0.0	UNIFO19530610	1	2	0.0000		C5337_1	C533765337401			"FORT
BEND COUNTY, TEXAS"					NONE		4350000000	SJGMC4	12	
WSRC5337 1600.	0.2710	0.8958			0	0				
WR533811 200.	IRR419400424	1	2	0.0000		C5338_1	C533865338101			TEXAS
DEPT OF CRIMINAL JUSTICE					OYSTER CRK		4315000000	SJGMC4	12	
IF533811 46624.	UNIFO19850919				1					IFC5338_1
WR533841 100.	IRR419850919	1	2	0.0000		C5338_2	C533865338101			TEXAS
DEPT OF CRIMINAL JUSTICE					OYSTER CRK		4315000000	SJGMC4	12	
WSRC5338 89.6	0.2710	0.8958			0	0				
SO	100.	533811								
WR537931 0.0	UNIFO19910830	1	2	0.0000		P5379_1	P537915379301			LAKE
JACKSON ASSOCIATION					OYSTER CRK		4311000000	SJGMC4	12	
WSRP5379 380.	0.5228	0.8206			0	0				
** Saline impoundment, not modeled.										
**WR533931 0.0	UNIFO19800616	1	2	0.0000		C5339_1	C533965339301			U
S FISH & WILDLIFE SERVICE					SALT CRK		4290000000	SJGMC4	12	
**WSRC5339 750.	0.5228	0.8206			0	0				
WR502041 0.0	UNIFO19851001	1	2	0.0000		P5020_1	P502014020001			RALPH
SHUMAN					BASTROP BAYOU		4273000000	SJGMC4	12	
WSRP5020 42.53	0.5228	0.8206			0	0				
SO	30.	502001								
WR534241 400.	IRR419140629	1	2	0.0000		C5342_1	C534265342001			E C
STOKLEY TRUSTEE					BASTROP BAYOU		4268000000	SJGMC4	12	
WR534241 0.0	IRR419551010	1	2	0.0000		C5342_2	C534265342001			E C
STOKLEY TRUSTEE					BASTROP BAYOU		4268000000	SJGMC4	12	
WSRC5342 440.	0.2710	0.8958			0	0				
WR534111 600.	IRR419140630	1	2	0.0000		C5341_1	C534165341101			TOM
TIGNER TRUST					BASTROP BAYOU		4267500000	SJGMC4	12	
IF534401 4713.	IFD12119840508				1					IFP4201_1
WR420102 2000.	IRR419840508	1	2	0.0000		P4201_1	P420114201002			GARRETT
RANCH INC					AUSTIN BAYOU		4260100000	SJGMC4	12	
WR534442 1482.	IRR419361231	1	2	0.0000		C5344_1	C534465344001			MRS W
M GARRETT					AUSTIN BAYOU		4258000000	SJGMC4	12	
WSRC5344 414.	0.8475	0.6756			0	0				
SO	1482.	534401								
** Diversion into off-channel reservoir is limited to 175 acft total during the months April through										
** Augst. Monthly diversion limited to 8.9 cfs (529 acft/mo) during rest of the year. Maximum annual diversion into										
** off-channel reservoir limited to 425 acft/yr.										
IFP40101 9795.	IFD12219850103				1					IFP4221_1
WR422141 225.	IRR419850103	1	2	0.0000		P4221_1	P422114221001			ANNA
KOLANCY					AUSTIN BAYOU		4256010000	SJGMC4	12	
WSRP4221 251.	0.2710	0.8958			0	0				
SO	425.	P42211								
ML 529.	529.	529.	35.	35.	35.	35.	529.	529.	529.	529.
WR422141 0.	IND419850103	1	2	0.0000		P4221_2	P422114221001			ANNA
KOLANCY					AUSTIN BAYOU		4256010000	SJGMC4	12	
WSRP4221 251.	0.2710	0.8958			0	0				

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WR534602	0.	IRR419230509	1	2	0.0000					C5346_4	C534665346002					DONALD
JOE BULANEK ET AL						FLORES BAYOU					4220000000	SJGMC4	12			
SO						BACKUP										
WR534642	1139.5	IRR419840424	1	2	0.0000					C5346_5	C534665346001					DONALD
JOE BULANEK ET AL						FLORES BAYOU					4220000000	SJGMC4	12			
WSRC5346	783.	0.2710	0.8958		0	0										
SO						534601										
WR534602	0.	IRR419840424	1	2	0.0000					C5346_6	C534665346002					DONALD
JOE BULANEK ET AL						FLORES BAYOU					4220000000	SJGMC4	12			
SO						BACKUP										
WR534341	3000.	IRR419710301	1	2	0.0000					C5343_1	C534365343001					TIGNER
IRRIGATION CO.						NEW BRUSHY BAYOU					4213010000	SJGMC4	B 12			
WSOC5341	486.	0.2710	0.8958		0	0										
SO						3000. 534331										
WR534301	0.	IRR419710301	1	2	0.0000					C5343_2	C534365343001					TIGNER
IRRIGATION CO.						NEW BRUSHY BAYOU					4213010000	SJGMC4	B 12			
SO						BACKUP										
IFCON241	5258.	IFD12619860509				1										
IF534304	1597.	IFD12719860509				1										
WR534341	262.	IRR419860509	1	2	0.0000					C5343_3	C534365343001					TIGNER
IRRIGATION CO.						NEW BRUSHY BAYOU					4213010000	SJGMC4	B 12			
WSOC5343	748.	0.2710	0.8958		0	0										
SO						262. 534331										
WR534301	0.	IRR419860509	1	2	0.0000					C5343_4	C534365343001					TIGNER
IRRIGATION CO.						NEW BRUSHY BAYOU					4213010000	SJGMC4	B 12			
SO						BACKUP										
WR534331	0.	IRR419860509	1	2	0.0000					C5343_5	C534365343001					TIGNER
IRRIGATION CO.						NEW BRUSHY BAYOU					4213010000	SJGMC4	12			
WSRC5343	2.	0.5228	0.8206		0	0										
WR535141	600.	IRR419400116	1	2	0.0000					C5351_1	C535165351001					A
FARRER ETAL						AUSTIN BAYOU					4213000000	SJGMC4	12			
WSRC5351	550.	0.2710	0.8958		0	0										
SO						600. 535101										
WR535141	900.	IRR419690409	1	2	0.0000					C5351_2	C535165351001					A
FARRER ETAL						AUSTIN BAYOU					4213000000	SJGMC4	12			
WSRC5351	550.	0.2710	0.8958		0	0										
SO						600. 535101										
WR502341	1000.	IRR419851016	1	2	0.0000					P5023_1	P502315023001					REX
C BAILEY JR ET AL						OLD BRUSHY BR					4209000000	SJGMC4	12			
WSRP5023	270.	0.2710	0.8958		0	0										
SO						1000. 502301										
WR502302	1600.	IRR419851016	1	2	0.0000					P5023_2	P502315023002					REX
C BAILEY JR ET AL						OLD BRUSHY BR					4209000000	SJGMC4	12			
WR535244	3620.	IRR419140616	1	2	0.0000					C5352_1	C535265352001					THE
RANDOLPH CO. ETAL						AUSTIN BAYOU					4208000000	SJGMC4	12			
WSRC5352	3620.	0.2710	0.8958		0	0										
SO						3620. 535201										
WR535243	0.	IND419850923	1	2	0.0000					C5352_2	C535265352001					THE
RANDOLPH CO ET AL						AUSTIN BAYOU					4208000000	SJGMC4	12			
WSC53521	921.	0.2710	0.8958		0	0										
SO						1198. 535201										
ML 7438.	0.	0.	0.		0.	0.										
** Saline Right, do not model.																
**WR535341	0.0	UNIFO19800616	1	2	0.0000					C5353_1	C535365353001					U
S FISH & WILDLIFE SERVICE						BASTROP BAYOU					4202000000	SJGMC4	12			
**WSRC5353	30.0	0.2710	0.8958		0	0										
**SO						90. 535301										
** Saline Right, do not model.																
**WR534001	1080.	UNIFO19681231	1	2	0.0000					C5340_1	C534065340001					U
S FISH & WILDLIFE SERVICE						BIG SLOUGH					4201900000	SJGMC4	12			
WR535401	187.	IRR419600331	1	2	0.0000					C5354_1	C535465354001					R
T MARSHALL TRUSTEE						W FRK CHOCOLATE					4170500000	CBALC2	12			
IFCBALC2	72.	UNIFO19681115				1										
WR535501	1200.	IRR419681115	1	2	0.0000					C5355_1	C535565355001					JOHN
R & J W ISAACS						CHOCOLATE					4150000000	CBALC2	12			
WR535541	0.	IRR419681115	1	2	0.0000					C5355_2	C53559999					JOHN
R & J W ISAACS						CHOCOLATE					4150000000	SJGMC4	12			
WSRC5355	40.0	0.2710	0.8958		0	0										
WR535501	800.	IRR419840925	1	2	0.0000					C5355_3	C535565355001					JOHN
R & J W ISAACS						CHOCOLATE					4150000000	CBALC2	12			
** Moved the diversion location of this right from drainage ditch to Chocolate Bayou.																
WR535601	560.	IRR419480331	1	2	0.0000					C5356_1	C535665356001					J
W ISAACS						COUNTY DITCH					4142000000	SJGMC4	12			
SO						535701										
** Saline right for wildlife conservation. Do not model.																
**WR542941	0.0	UNIFO19920826	1	2	0.0000					P5429_1	P542915249001					TEXAS
AGRICULTURAL EXT SERVICE						COTTONWOOD BAY					4110000000	SJGMC4	12			
**WSRP5429	56.4	0.2710	0.8958		0	0										
**SO						70. 542901										
** Do not model -- contract with Chocolate Bayou Water Company.																
**WR535841	0.0	IND419690526	1	2	0.0000					C5358_1	C535865358401					AMOCO
CHEMICAL CO						CHOCOLATE					4100000000	SJGMC4	12			
**WSRC5358	1860.	0.2710	0.8958		0	0										
** Do not model -- contract with Brazos River Authority.																

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**WR532141	0.0	OTH419610829	1	2	0.0000	C5321_1	C532165321401		SOLUTIA
INC		NONE					4050000000	SJGMC4	12
**WSRC5321	2500.	0.8475	0.6756	0	0				
WR535901	54.0	IRR419451231	1	2	0.0000	C5359_1	C535965359001		ALVIN
GOLF & COUNTRY CLUB		MUSTANG CRK					4020000000	SJGMC4	12
WR536001	160.	IRR419620415	1	2	0.0000	C5360_1	C536065360001		JAMES
SCOPEL		DITCH MUSTANG					4010400000	SJGMC4	12
** Combined three off-channel reservoirs into a single reservoir which impounds at 1966 priority									
** date in conjunction with 17,000 acft/yr diversion at 1966 priority date. All other portions of right									
** modeled as run-of-river diversions to avoid cumulative diversions greater than allowed, which would									
** occur if reservoir storage was also refilled by these rights.									
**WR535701	1500.	IRR419270803	1	2	0.0000	C5357_1	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WR535701	5000.	IRR419370921	1	2	0.0000	C5357_2	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WR535703	4000.	IRR419401015	1	2	0.0000	C5357_3	C535765357003		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WR535701	2000.	IRR419410409	1	2	0.0000	C5357_4	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WR535702	2000.	IRR419420331	1	2	0.0000	C5357_5	C535765357002		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WR535741	17000.	IRR419660314	1	2	0.0000	C5357_6	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WSRC5357	8951.	0.2710	0.8958	0	0				
**SO		17000.	535701						
**WR535701	15000.	IND419761115	1	2	0.0000	C5357_7	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WR535702	11000.	IND419761115	1	2	0.0000	C5357_8	C535765357002		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**Moved diversion location to new confluence point (CON251) for greater flow availability.									
**Under amendment, water can be used for multiple uses (MUN, IRR, IND, REC).									
WRCON251	1500.	MUN419270803	1	2	0.0000	C5357_1	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WRCON251	5000.	MUN419370921	1	2	0.0000	C5357_2	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WR535703	4000.	MUN419401015	1	2	0.0000	C5357_3	C535765357003		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WRCON251	2000.	MUN419410409	1	2	0.0000	C5357_4	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WR535702	2000.	MUN419420331	1	2	0.0000	C5357_5	C535765357002		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WR535741	17000.	MUN419660314	1	2	0.0000	C5357_6	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WSRC5357	8951.	0.2710	0.8958	0	0				
SO		17000.	CON251						
WRCON251	15000.	MUN419761115	1	2	0.0000	C5357_7	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WR535702	11000.	MUN419761115	1	2	0.0000	C5357_8	C535765357002		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WRCON251	0.	IND419270803	1	2	0.0000	C5357_9	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WRCON251	0.	IRR419270803	1	2	0.0000	C5357_10	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WRCON251	0.	UNIFO19270803	1	2	0.0000	C5357_11	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
** Saline, cooling right that diverts from Galveston Bay, do not model.									
**WR536101	107970.	IND419701130	1	2	0.9990	C5361_1	C536165361001		STERLING
CHEMICALS INC		GALVESTON BAY					3500000000	SJGMC4	12
WR557441	0.	UNIFO19970128	1	2	0.0000	P5574_1	P557415574001		LSF
DEVELOPMENT CORP		DICKINSON BAYOU					3450000000	SJGBC3	12
WSRP5574	198.	0.2710	0.8958	0	0				
SO		116.5	557401						
WR536201	46.0	IRR419810928	1	2	0.0000	C5362_1	C536265362001		CHAPARRAL
RECREATION ASSOC		DICKINSON					3401000000	SJGBC3	12
WR536231	0.0	UNIFO19810928	1	2	0.0000	C5362_2	C536265362001		CHAPARRAL
RECREATION ASSOC		DICKINSON					3401000000	SJGBC3	12
WSRC5362	15.0	0.8475	0.6756	0	0				
** Do not model. It is only a flood diversion right.									
**WR517801	0.0	UNIFO19880429	1	2	0.0000	P5178_1	P517815178001		CITY
OF LEAGUE CITY		BENSON BAYOU					3400500000	SJGBC3	12
** Saline, Cooling right with unlimited diversion, 30000 consumptive. Do not Model									
**WR536301	30000.	IND419640811	1	2	0.0000	C5363_1	C536365363001		HOUSTON
L&P-ROBINSON PLANT		DICKINSON					3400000000	SJGBC3	12
IF536402	724.0	UNIFO19910628	1			IFP5369_1			
WR536941	0.	UNIFO19910628	1	2	0.0000	P5369_1	P53699999		HARRIS
COUNTY		CLEAR CRK					3360000000	SJGBC3	12
WSRP5369	89.0	0.2710	0.8958	0	0				
SO		130.	536901						
WR536401	968.	IRR419431231	1	2	0.0000	C5364_1	C536465364001		ROBERT
L ALEXANDER & MARTHA A CROUCH		CLEAR CRK					3309800000	SJGBC3	12
WR518331	0.0	UNIFO19880610	1	2	0.0000	P5183_1	P518315183001		HARRIS
COUNTY (PRECINCT ONE)		CLEAR CRK					3301000000	SJGBC3	12
WSRP5183	30.0	0.5228	0.8206	0	0				
SO		12.0	518301						

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** Saline Right. Do not Model
**WR535001 4440. IND419650407 1 2 0.0000 C5350_1 C535065350001 HOUSTON
L&P-WEBSTER CLEAR CRK 3300000000 SJGBC3 12
** Right is authorized to divert only wastewater from League City WWTP (PNUM 10568-005).
**WR540001 491. IRR419920219 1 2 0.0000 P5400_1 P540015400001 SOUTH
SHORE HARBOUR DEV LTD CLEAR CRK 3290000000 SJGBC3 A 12
**SO 105685
**WR540046 0. UNIFO19920219 1 2 0.0000 P5400_2 P540015400001 SOUTH
SHORE HARBOUR DEV LTD CLEAR CRK 3290000000 SJGBC3 A 12
**WSRP5400 91.69 0.2710 0.8958 0 0
**SO 48. 105685
IF523001 1448.0 UNIFO19890502 1 IFP5230_1
WR523041 150. IRR419890502 1 2 0.0000 P5230_1 P523015230001 BAYWOOD
COUNTRY CLUB ARMAND BAYOU 2100000000 SJGBC3 12
WSRP5230 6.0 0.2710 0.8958 0 0
SO 150. 523001
** Saline impoundment for recreation. Do not model.
**WR559141 0.0 UNIFO19970616 1 2 0.0000 P5591_1 P559115591001 KIRBY
LAKE DEVELOPMENT LTD TAYLOR LAKE ON TAYLOR BAYOU 1900000000 SJGBC3 A 12
**WSRP5591 50.4 0.2710 0.8958 0 0
**SO 32.2 559101
**WR559101 10.7 UNIFO19970616 1 2 0.0000 P5591_2 P559115591001 KIRBY
LAKE DEVELOPMENT LTD TAYLOR LAKE ON TAYLOR BAYOU 1900000000 SJGBC3 A 12
**
** FNI change - System Operation
**
** ----- BEGIN SYSTEM OPERATION -----
** This set of water right are execute only during the second dual simulation (system operation run)
** Modeling at a priority of 03/01/2012 to preserve prior appropriation relative to 30 TAC 298 environmental flow standards
** Refill reservoirs with BRA water.
**WR515531 0. 20120301 C5155_RF1_2 SYSTEM
**WSPOSDOM 528007. 0
**SO 5155DP
**PX 2
**WR515631 0. 20120301 C5156_RF1_2 SYSTEM
**WSGRNBRY 124128. 0
**SO 5156DP
**WR515731 0. 20120301 C5157_RF1_2 SYSTEM
**WSBRAWHT 50000. 1
**SO 5157DP
**PX 2
**WR515831 0.0 20120301 C5158_RF1_2 SYSTEM
**WSAQUILA 35755. 0
**SO 5158DP
**PX 2
**WR515931 0. 20120301 C5159_RF1_2 SYSTEM
**WSPRCTOR 48644. 0
**SO 5159DP
**PX 2
**WR516031 0.0 20120301 C5160_RF1_2 SYSTEM
**WSBRABEL 418951. 3 -1
**SO 5160DP
**PX 2
**WR516131 0. 20120301 C5161_RF1_2 SYSTEM
**WSSTLHSE 225716. 0
**SO 5161DP
**PX 2
**WR516231 0. 20120301 C5162_RF1_2 SYSTEM
**WSGRGTWN 37354. 0
**SO 5162DP
**PX 2
**WR516331 0. 20120301 C5163_RF1_2 SYSTEM
**WSGRNGER 46198. 0
**SO 5163DP
**PX 2
**WR516431 0.0 20120301 C5164_RF1_2 SYSTEM
**WSSMRVLE 135891. 0
**SO 5164DP
**PX 2
**WR516531 0.0 20120301 C5165_RF1_2 SYSTEM
**WSLMSTNE 185502. 0
**SO 5165DP
**PX 2
**WR292531 0.0 20120301 ALLENS_RF1_2 SYSTEM
**WSALLENS 145533. 0
**SO 2925DP
**PX 2
**
** FNI change - Lakeside diversions
** Lakeside
**WR515531 6809. MUN220120301 1 2 0.0000 PSMT2_LS_MUN C5155 PK_LS
**WSPOSDOM 528007. 0
**SO 5155DP
**PX 2

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**
**WR515531 65447. IND220120301 1 2 0.0000 PSMT2_LS_IND C5155 PK_LS
**WR515531 38000. IND220120301 1 2 0.0000 PSMT2_LS_IND C5155 PK_LS
**WSPOSDOM 528007. 0
**SO 5155DP
**PX 2
**
**WR515531 500. IRR220120301 1 2 0.0000 PSMT2_LS_IRR C5155 PK_LS
**WSPOSDOM 528007. 0
**SO 5155DP
**PX 2
**
**WR515531 1410. MIN220120301 1 2 0.0000 PSMT2_LS_MIN C5155 PK_LS
**WSPOSDOM 528007. 0
**SO 5155DP
**PX 2
**
** placeholder for upstream contracts
** HDR - Removed and included subordinations upstream of PK
**WR515531 0. 20120301 1 2 0.0000 PSMT2_US C5155 PK_LS
**WR515531 14400. 20120301 1 2 0.0000 PSMT2_US C5155 PK_LS
**WSPOSDOM 528007. 0
**SO 5155DP
**PX 2
**
** Lake Proctor
** FNI change - contracts modeling
**
**WR515931 6437. MUN220120301 1 2 0.0000 PCTT2_LS_MUN C5159 PR_LS
**WSPRCTOR 48644. 0
**SO 5159DP
**PX 2
**WR515931 6652. IRR220120301 1 2 0.0000 PCTT2_LS_IRR C5159 PR_LS
**WSPRCTOR 48644. 0
**SO 5159DP
**PX 2
**
** Lake Granbury
** Type 3 rights so no depletions
**
**WR515631 34597. MUN220120301 3 2 0.0000 GBYT2_LS_MUN C5156 GB_LS
**WSGRNBRY 124128. 0
**OR515631 46500 1.0 1.0 0 0 0
**WSPOSDOM 528007. 0
**OR515531 218922 1.0 1.0 0 0 0
**PX 2
**
**WR515631 50000. IND220120301 3 2 0.0000 GBYT2_LS_IND C5156 GB_LS
**WR515631 7000. IND220120301 3 2 0.0000 GBYT2_LS_IND C5156 GB_LS
**WSGRNBRY 124128. 0
**OR515631 46500 1.0 1.0 0 0 0
**WSPOSDOM 528007. 0
**OR515531 218922 1.0 1.0 0 0 0
**PX 2
**
** Existing comanche Peak contract - assume no spills from Squaw Creek for contracts modeling
**WR515631 43000. IND220120301 3 2 0.0000 GBYT2_LS_LUM C5156 GB_LS
**WSGRNBRY 124128. 0
**OR515631 46500 1.0 1.0 0 0 0
**WSPOSDOM 528007. 0
**OR515531 218922 1.0 1.0 0 0 0
**PX 2
**
**
** Comanche Peak expansion
**WR515631 90152. IND220120301 3 2 0.0000 GBYT2_LS_CPNPP C5156 GB_LS
**WR515631 90152. IND220120301 3 20.402931 515631 GBYT2_LS_CPNPP C5156 GB_LS
**WR515631 0. IND220120301 3 20.402931 515631 GBYT2_LS_CPNPP C5156 GB_LS
**WSGRNBRY 124128. 0
**OR515631 46500 1.0 1.0 0 0 0
**WSPOSDOM 528007. 0
**OR515531 218922 1.0 1.0 0 0 0
**PX 2
**
**WR515631 4760. IRR220120301 3 2 0.0000 GBYT2_LS_IRR C5156 GB_LS
**WSGRNBRY 124128. 0
**OR515631 46500 1.0 1.0 0 0 0
**WSPOSDOM 528007. 0
**OR515531 218922 1.0 1.0 0 0 0
**PX 2
**
**WR515631 44. MIN220120301 3 2 0.0000 GBYT2_LS_MIN C5156 GB_LS
**WSGRNBRY 124128. 0
**OR515631 46500 1.0 1.0 0 0 0
**WSPOSDOM 528007. 0

```

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```

**OR515531 218922 1.0 1.0 0 0 0
**PX 2
**
**WR515631 20120301 1 2 0.0000 GBYT2_LS_FILL2 C5156 GB_LS
**WSGRNBRY 124128. 0
**SO 5156DP
**PX 2
**
** Lake Whitney
**
**WR515731 11260. MUN220120301 3 2 0.0000 WTYT2_LS_MUN C5157 WH_LS
**WSBRAWHT 50000. 0 1
**OR515731 0 2.0 1.0 0 0 0
**WSGRNBRY 124128. 0
**OR515631 46500 1.0 -1 0 0 0
**WSPOSDOM 528007. 0
**OR515531 218922 0.5 1.0 0 0 0
**PX 2
**
**WR515731 1000. IRR220120301 3 2 0.0000 WTYT2_LS_IRR C5157 WH_LS
**WSBRAWHT 50000. 0 1
**OR515731 0 2.0 1.0 0 0 0
**WSGRNBRY 124128. 0
**OR515631 46500 1.0 -1 0 0 0
**WSPOSDOM 528007. 0
**OR515531 218922 0.5 1.0 0 0 0
**BU WTYT2_LS_MUN
**PX 2
** refill
**WR515731 0 20120301 1 2 0.0000 WTYT2_LS_FILL C5157 WH_LS
**WSBRAWHT 50000. 0 1
**SO 5157DP
**PX 2
**
** Lake Aquilla
**
**WR515831 11403. MUN220120301 1 2 0.0000 ALAT2_LS_MUN C5158 AQ_LS
**WSAQUILA 35755. 0
**SO 5158DP
**PX 2
**
**WR515831 0. IRR220120301 1 2 0.0000 ALAT2_LS_IRR C5158 AQ_LS
**WSAQUILA 35755. 0
**SO 5158DP
**PX 2
** System, just lakeside for now
**WR515831 0. MUN220120301 1 2 0.0000 ALAT2_SYS_MUN C5158 AQ_LS
**WSAQUILA 35755. 0
**SO 5158DP
**PX 2
**
** BRA's portion of Lake Belton
** Lakeside municipal
**
**WR516031 60062. MUN220120301 1 2 0.0000 BLNT2_LS_MUN C5160 BE_LS
**WSBRABEL 418951. 5 3 -1
**SO 5160DP
**PX 2
** Put in a small Type 3 right for using Proctor
** different depending on drought ops
**WR516031 16000. MUN220120301 3 2 0.0000 BLNT2_LS_MUN2 C5160 BE_LS
**WSBRABEL 418951. 0 3 -1
**OR516031
**WSPRCTOR 48644. 1000
**OR515931
**TO 13 MUL use_drop1
**SO 5160DP
**BU BLNT2_ls_mun
**PX 2
**
**WR516031 16000. MUN220120301 3 2 0.0000 BLNT2_LS_MUN3 C5160 BE_LS
**WSBRABEL 418951. 0 3 -1
**OR516031
**WSPRCTOR 48644. 10000
**OR515931
**TO 13 MUL use_drop2
**PX 2
**
**WR516031 0. IRR220120301 1 2 0.0000 BLNT2_LS_IRR C5160 BE_LS
**WSBRABEL 418951. 0 3 -1
**SO 5160DP
**PX 2
** Remainder of Temple contract - assume lakeside
** set to zero in firm yield scenario

```

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```

**WR516031      0.    MUN220120301  1  2  0.0000          BLNT2_LS_TEMPLE2  C5160  BE_LS
**WSBRABEL 418951.          3          -1
**SO          5160DP
**PX      2
****
****
** Lake Stillhouse Hollow
**
** lakeside
**
** System demand shared with Belton
** Use Stillhouse until minimum level hit, then bring over water with pipeline
**
**WR516131  8000.    20120301  1  2  0.0000          BLNTSTIT_SYS_MUN  C5161  BESH_LS
**WSSTLHSE 225716.          200000
**SO          5161DP
**PX      2
****
**WR516031      0.    20120301  1  2  0.0000          BLNTSTIT_SYS_BU  C5160  BESH_LS
**WSBRABEL 418951.          30000          3          -1
**BU          BLNTSTIT_SYS_MUN
**SO          5160DP
**PX      2
****
**** Subtract out portion of demand that has already been met by pipeline modeling
****
**WR516131  39155.  MUN320120301  1  2  0.0000          STIT2_LS_MUN  C5161  SH_LS
**WSSTLHSE 225716.          0
**SO          5161DP
**TO      11      1.0    SUB          BLNTSTIT_SYS_MUN  CONT
**TO      11      1.0    SUB          BLNTSTIT_SYS_BU
**PX      2
****
**WR516131      0.    IND320120301  1  2  0.0000          STIT2_LS_IND  C5161  SH_LS
**WSSTLHSE 225716.          0
**SO          5161DP
**PX      2
****
**WR516131      100.  IRR320120301  1  2  0.0000          STIT2_LS_IRR  C5161  SH_LS
**WSSTLHSE 225716.          0
**SO          5161DP
**PX      2
****
**** Lake Georgetown
**** minimum elevation 699 is below estimated minimum elevation in 2025
****
**** Stillhouse to Georgetown pipeline - drought index based on Georgetown, max 5000 ac-ft/month (60,000 ac-ft/yr) in 2025
**** Minimum operating level 559.5 = 22404
**** assuming improvements that allow operation below current minimum
****
**** Using alternative method of modeling pipeline to facilitate tracking by source
**** instead of storing water in Lake Georgetown before diverting, model as a demand
**** that swings between sources. This is equivalent to fully diverting all of the water
**** brought over by the pipeline
****
**** Granger first
****
**WR516331  17000.    20120301  1  1  0.0000          GGLTGLKT_SYS_MUN  C5163  GTGN_LS
**WSGRNGER  46198.          20000
**SO          5163DP
**PX      2
**** Then take from Georgetown
**WR516231      26000.  PIPE20120301  1  2  0.0000          GGLTGLKT_SYS_BU  C5163  GTGN_LS
**WSGRGTWN  37354.          30000
**BU          GGLTGLKT_SYS_MUN
**SO          5162DP
**PX      2
**** Shared demand with Stillhouse (Stillhouse-Georgetown pipeline)
**WR516231      26000.  PIPE20120301  1  2  0.0000          GGLTSTIT_SYS_MUN  C5162  GTSH_LS
**WSGRGTWN  37354.          31841
**BU          GGLTGLKT_SYS_BU
**SO          5162DP
**PX      2
****
**WR516131      0.    20120301  1  2  0.0000          GGLTSTIT_SYS_BU  C5161  GTSH_LS
**WSSTLHSE 225716.          3500
**BU          GGLTSTIT_SYS_MUN
**SO          5161DP
**PX      2
****
****WR516331      0.    20120301  1  1  0.0000          GGLTGLKT_SYS_BU  C5163  GTGN_LS
*****WSGRNGER  46198.          8000

```

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```

****WSGRNGER 46198. 12000
****BU GGLTGLKT_SYS MUN
****SO 5163DP
****PX 2
****
**** REDUCE DEMAND BY 22,000 AC-FT OF GROUNDWATER
**** Subtract out portion of demand that has already been met by pipeline modeling
****
**WR516231 52561. MUN320120301 1 2 0.0000 GGLT2_LS_MUN C5162 GT_LS
**WSGRGTWN 37354. 0
**SO 5162DP
**TO 11 1.0 SUB GGLTSTIT_SYS MUN CONT
**TO 11 1.0 SUB GGLTSTIT_SYS BU CONT
**TO 11 1.0 SUB GGLTGLKT_SYS MUN CONT
**TO 11 1.0 SUB GGLTGLKT_SYS BU
**PX 2
****
**WR516231 0. IRR320120301 1 2 0.0000 GGLT2_LS_IRR C5161 GT_LS
**WSGRGTWN 37354. 0
**SO 5162DP
**PX 2
****
**** Lake Granger
****
**WR516331 13000. MUN320120301 1 1 0.0000 GLKT2_LS_MUN C5163 GN_LS
**WSGRNGER 46198. 0
**SO 5163DP
**PX 2
****
**** 0
**WR516331 15. IRR320120301 1 2 0.0000 GLKT2_LS_IRR C5163 GN_LS
**WSGRNGER 46198. 0
**SO 5163DP
**PX 2
****
****
**** Lake Somerville
**** minimum elevation 210 feet is 0 ac-ft storage in 2025
**WR516431 4200. MUN320120301 1 2 0.0000 SOMT2_LS_MUN C5164 SO_LS
**WSSMRVLE 135891. 0
**SO 5164DP
**PX 2
****
**** Limestone
****
**WR516531 200. MUN320120301 1 2 0.0000 LLST2_LS_MUN C5165 LS_LS
**WSLMSTNE 185502. 0
**SO 5165DP
**PX 2
****
**WR516531 50675. IND320120301 1 2 0.0000 LLST2_LS_IND C5165 LS_LS
**WSLMSTNE 185502. 0
**SO 5165DP
**PX 2
**
**WR516531 0. MIN320120301 1 2 0.0000 LLST2_LS_MIN C5165 LS_LS
**WSLMSTNE 185502. 0
**SO 5165DP
**PX 2
****
**** Add another fill
**WR515531 0. 20120301 C5155_RF2_2 SYSTEM
**WSPOSDOM 528007. 0
**SO 5155DP
**PX 2
**WR515631 0. 20120301 C5156_RF2_2 SYSTEM
**WSGRNBRY 124128. 0
**SO 5156DP
**WR515731 0. 20120301 C5157_RF2_2 SYSTEM
**WSBRAWHT 50000. 1
**SO 5157DP
**PX 2
**WR515831 0.0 20120301 C5158_RF2_2 SYSTEM
**WSAQUILA 35755. 0
**SO 5158DP
**PX 2
**WR515931 0. 20120301 C5159_RF2_2 SYSTEM
**WSPRCTOR 48644. 0
**SO 5159DP
**PX 2
**WR516031 0.0 20120301 C5160_RF2_2 SYSTEM
**WSBRABEL 418951. 0 3 -1
**SO 5160DP
    
```

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```

**PX      2
**WR516131      0.      20120301      0      C5161_RF2_2  SYSTEM
**WSSLHSE 225716.      5161DP
**SO
**PX      2
**WR516231      0.      20120301      0      C5162_RF2_2  SYSTEM
**WSGRGTWN 37354.      5162DP
**SO
**PX      2
**WR516331      0.      20120301      0      C5163_RF2_2  SYSTEM
**WSGRNGER 46198.      5163DP
**SO
**PX      2
**WR516431      0.0     20120301      0      C5164_RF2_2  SYSTEM
**WSSMRVLE 135891.      5164DP
**SO
**PX      2
**WR516531      0.0     20120301      0      C5165_RF2_2  SYSTEM
**WSLMSTNE 185502.      5165DP
**SO
**PX      2
****WR292531      0.0     20120301      0      ALLENS_RF2_2  SYSTEM
****WSALLENS 145533.      2925DP
****SO
****PX      2
**** Return flow from dummy control points.
**WR5155DP      20120301      1.0000  515531      C5155_DPRETQ  SYSTEM
**TO      2
**PX      2
**WR5156DP      20120301      1.0000  515631      C5156_DPRETQ  SYSTEM
**TO      2
**PX      2
**WR5157DP      20120301      1.0000  515731      C5157_DPRETQ  SYSTEM
**TO      2
**PX      2
**WR5158DP      20120301      1.0000  515831      C5158_DPRETQ  SYSTEM
**TO      2
**PX      2
**WR5159DP      20120301      1.0000  515931      C5159_DPRETQ  SYSTEM
**TO      2
**PX      2
**WR5160DP      20120301      1.0000  516031      C5160_DPRETQ  SYSTEM
**TO      2
**PX      2
**WR5161DP      20120301      1.0000  516131      C5161_DPRETQ  SYSTEM
**TO      2
**PX      2
**WR5162DP      20120301      1.0000  516231      C5162_DPRETQ  SYSTEM
**TO      2
**PX      2
**WR5163DP      20120301      1.0000  516331      C5163_DPRETQ  SYSTEM
**TO      2
**PX      2
**WR5164DP      20120301      1.0000  516431      C5164_DPRETQ  SYSTEM
**TO      2
**PX      2
**WR5165DP      20120301      1.0000  516531      C5165_DPRETQ  SYSTEM
**TO      2
**PX      2
****WR2925DP      20120301      1.0000  292531      ALLENS_DPRETQ  SYSTEM
****TO      2
**PX      2
**
** Eflows
**
**Double Mountain Fork Near Aspermont
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMDMAS      20120301      DMRLDMAS  SB3DUM
TO      2      ADD      DMAS09
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE01      XMONTH20120301      BF--DM-DP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      DMDPND
PX      2
WRFAKE01      XMONTH20120301      BF--DM-DP2
TO      6      ADD      BF--DM-DP1      CONT
TO      2      DIV      DAYSPY
PX      2

```


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```

WRFK01      723  DM-DRY20120301      BF--DM-DP3
TO      6      MUL      BF--DM-DP2
PX      2
*****Avg Days*****
WRFK01      XMONTH20120301      BF--DM-AP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      DMAPND
PX      2
WRFK01      XMONTH20120301      BF--DM-AP2
TO      6      ADD      BF--DM-AP1      CONT
TO      2      DIV      DAYSPY
PX      2
WRFK01      2164  DM-AVG20120301      BF--DM-AP3
TO      6      MUL      BF--DM-AP2
PX      2
*****WET Days*****
WRFK01      XMONTH20120301      BF--DM-WP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      DMWPN
PX      2
WRFK01      XMONTH20120301      BF--DM-WP2
TO      6      ADD      BF--DM-WP1      CONT
TO      2      DIV      DAYSPY
PX      2
WRFK01      7209  DM-WET20120301      BF--DM-WP3
TO      6      MUL      BF--DM-WP2
PX      2
*****set subsistence flow*****
IFDMSUBS    723  DM-SUB20120301      DM-SUB1
TO      16      MUL      UP-DRY
PX      2
*****SET DRY BASE FLOW, *****
IFDM-DRY    723  DM-DRY20120301      DM-DRY1
TO      16      MUL      UP-DRY
PX      2
WRDMNOSB    1  XMONTH20120301      DMNOSUB2
FS      12  UP-DRY      0      1      1  9999999  1
PX      2
WRFKDM11    20120301      HOLDDMBASE
TO      13      ADD      DM-DRY1
PX      2
WRFKDM12    20120301      DMONOFF
TO      2      ADD      DMAS09      CONT
TO      6      DIV      HOLDDMBASE      CONT
TO      6      ADD      DMNOSUB2
PX      2
IFDM-DRY    20120301      DM-DRY2
TO      13      ADD      DM-DRY1
FS      5  FKDM12      1      0      1  9999999  1
PX      2
IFDMSUBS    DM-SUB20120301      2      DM-SUB2
TO      2      ADD      DMAS09      CONT
TO      13      SUB      DM-SUB1      CONT
TO      2      DIV      HALF      CONT
TO      13      ADD      DM-SUB1
FS      5  FKDM12      0      1      1  9999999  1
PX      2
IFDM-DRY    20120301      DM-DRY3
TO      13      ADD      DM-SUB2      CONT
TO      13      MAX      DM-DRY2
PX      2
*****SET      AVG      BASE      FLOW,      APPLY      WET/AVG/DRY      CONTDITION      VIA      DI
RECORD*****
IFDM-AVG    2164  DM-AVG20120301      DM-AVG
TO      16      MUL      UP-AVG
PX      2
*****SET      WET      BASE      FLOW,      APPLY      WET/AVG/DRY      CONTDITION      VIA      DI
RECORD*****
IFDM-WET    7209  DM-WET20120301      DM-WET
TO      16      MUL      UP-WET
PX      2
*****
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKDM01    1270  XMONTH20120301      FKDMDPLSP1
TO      6      ADD      BF--DM-DP3
PX      2
WRFKDM02    XMONTH20120301      DMDPSPRTRG
TO      2      ADD      DMAS09      CONT
TO      6      DIV      FKDMDPLSP1
PX      2
**
WRFKDM01    990  XMONTH20120301      FKDMDPULS1
TO      6      ADD      BF--DM-DP3

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```

PX      2
**
WRFKDM03      XMONTH20120301      DMAPSUMTRG
TO      2      ADD      DMAS09      CONT
TO      6      DIV      FKDMDPULS1
PX      2
***** AVG *****
WRFKDM04      1270 XMONTH20120301      FKDMAPLSP1
TO      6      ADD      BF--DM-AP3
PX      2
WRFKDM05      XMONTH20120301      DMAPSPRTRG
TO      2      ADD      DMAS09      CONT
TO      6      DIV      FKDMAPLSP1
PX      2
**
WRFKDM04      990 XMONTH20120301      FKDMAPLSP1
TO      6      ADD      BF--DM-AP3
PX      2
**
WRFKDM06      XMONTH20120301      DMAPSUMTRG
TO      2      ADD      DMAS09      CONT
TO      6      DIV      FKDMAPLSP1
PX      2
**
***** WET *****
WRFKDM07      2600 XMONTH20120301      FKDMWPLSP1
TO      6      ADD      BF--DM-WP3
PX      2
WRFKDM08      XMONTH20120301      DMWPSRTRG
TO      2      ADD      DMAS09      CONT
TO      6      DIV      FKDMWPLSP1
PX      2
**
WRFKDM07      2160 XMONTH20120301      FKDMWPLSP1
TO      6      ADD      BF--DM-WP3
PX      2
**
WRFKDM09      XMONTH20120301      DMWPSUMTRG
TO      2      ADD      DMAS09      CONT
TO      6      DIV      FKDMWPLSP1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFDMDPUL      1270 XMONTH20120301      DMDPLSP1
TO      6      ADD      BF--DM-DP3
FS      5      FKDM02      1      0      1 9999999 2 1 1 4 3 6
PX      2
IFDMDPUL      1270 XMONTH20120301      3      DMDPLSP2
TO      6      ADD      BF--DM-DP3
FS      5      FKDM02      1      0      1 9999999 2 1 1 0 3 6
PX      2
IFDMDPUL      990 XMONTH20120301      DMDPULS1
TO      6      ADD      BF--DM-DP3
FS      5      FKDM03      1      0      1 9999999 2 1 1 4 7 10
PX      2
IFDMDPUL      990 XMONTH20120301      3      DMDPULS2
TO      6      ADD      BF--DM-DP3
FS      5      FKDM03      1      0      1 9999999 2 1 1 0 7 10
PX      2
***** AVG *****
IFDMAFUL      1270 XMONTH20120301      DMAPLSP1
TO      6      ADD      BF--DM-AP3
FS      5      FKDM05      1      0      1 9999999 2 1 2 4 3 6
PX      2
IFDMAFUL      1270 XMONTH20120301      3      DMAPLSP2
TO      6      ADD      BF--DM-AP3
FS      5      FKDM05      1      0      1 9999999 2 1 2 0 3 6
PX      2
IFDMAFUL      990 XMONTH20120301      DMAPULS1
TO      6      ADD      BF--DM-AP3
FS      5      FKDM06      1      0      1 9999999 2 1 2 4 7 10
PX      2
IFDMAFUL      990 XMONTH20120301      3      DMAPULS2
TO      6      ADD      BF--DM-AP3
FS      5      FKDM06      1      0      1 9999999 2 1 2 0 7 10
PX      2
***** WET *****
IFDMWPUL      2600 XMONTH20120301      DMWPLSP1
TO      6      ADD      BF--DM-WP3
FS      5      FKDM08      1      0      1 9999999 2 1 1 4 3 6
PX      2
IFDMWPUL      2600 XMONTH20120301      3      DMWPLSP2
TO      6      ADD      BF--DM-WP3

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```

FS      5  FKDM08      1      0      1 9999999  2  1  1  0  3  6
PX      2
IFDMWPUL 2160  XMONTH20120301      DMWPULS1
TO      6      ADD      BF--DM-WP3
FS      5  FKDM09      1      0      1 9999999  2  1  1  4  7 10
PX      2
IFDMWPUL 2160  XMONTH20120301  3      DMWPULS2
TO      6      ADD      BF--DM-WP3
FS      5  FKDM09      1      0      1 9999999  2  1  1  0  7 10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFDMDPUL 20120301      DMDPFIN
TO      13      ADD      DMDPLSP2  CONT
TO      13      ADD      DMDPULS2  CONT
TO      16      MUL      UP-DRY
PX      2
***** AVG *****
IFDMAPUL 20120301      DMAPFIN
TO      13      ADD      DMAPLSP2  CONT
TO      13      ADD      DMAPULS2  CONT
TO      16      MUL      UP-AVG
PX      2
***** WET *****
IFDMWPUL 20120301      DMWPFIN
TO      13      ADD      DMWPLSP2  CONT
TO      13      ADD      DMWPULS2  CONT
TO      16      MUL      UP-WET
PX      2
**
** SALT FORK NEAR ASPERMONT
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMSFAS 20120301      DMRLSFAS  SB3DUM
TO      2      ADD      SFAS06
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake02  XMONTH20120301      BF--SF-DP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      SFDPND
PX      2
WRFake02  XMONTH20120301      BF--SF-DP2
TO      6      ADD      BF--SF-DP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFake02  723  SF-DRY20120301      BF--SF-DP3
TO      6      MUL      BF--SF-DP2
PX      2
*****Avg Days*****
WRFake02  XMONTH20120301      BF--SF-AP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      SFAPND
PX      2
WRFake02  XMONTH20120301      BF--SF-AP2
TO      6      ADD      BF--SF-AP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFake02  1679 SF-AVG20120301      BF--SF-AP3
TO      6      MUL      BF--SF-AP2
PX      2
*****WET Days*****
WRFake02  XMONTH20120301      BF--SF-WP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      SFWPND
PX      2
WRFake02  XMONTH20120301      BF--SF-WP2
TO      6      ADD      BF--SF-WP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFake02  4081 SF-WET20120301      BF--SF-WP3
TO      6      MUL      BF--SF-WP2
PX      2
*****set subsistence flow*****
IFSFSUBS  723  SF-SUB20120301      SF-SUB1
TO      16      MUL      UP-DRY
PX      2
*****SET DRY BASE FLOW, *****
IFSFD-DRY  723  SF-DRY20120301      SF-DRY1
TO      16      MUL      UP-DRY
PX      2

```

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```

WRSFNOSB      1  XMONTH20120301                      SFNOSUB2
FS   12  UP-DRY      0      1      1  9999999  1
PX   2
WRFKSF11      20120301                      HOLDSFBASE
TO   13      ADD                      SF-DRY1
PX   2
WRFKSF12      20120301                      SFONOFF
TO   2      ADD      SFAS06                      CONT
TO   6      DIV                      HOLDSFBASE  CONT
TO   6      ADD                      SFNOSUB2
PX   2
IFSF-DRY      20120301                      SF-DRY2
TO   13      ADD                      SF-DRY1
FS   5  FKSFL2      1      0      1  9999999  1
PX   2
IFSFSUBS      SF-SUB20120301  2                      SF-SUB2
TO   2      ADD      SFAS06                      CONT
TO   13     SUB                      SF-SUB1  CONT
TO   2      DIV      HALF                      CONT
TO   13     ADD                      SF-SUB1
FS   5  FKSFL2      0      1      1  9999999  1
PX   2
IFSF-DRY      20120301                      SF-DRY3
TO   13      ADD      SF-SUB2  CONT
TO   13      MAX      SF-DRY2
PX   2
*****SET AVG BASE FLOW, *****
IFSF-AVG      1679  SF-AVG20120301                      SF-AVG
TO   16      MUL                      UP-AVG
PX   2
*****SET WET BASE FLOW, *****
IFSF-WET      4081  SF-WET20120301                      SF-WET
TO   16      MUL                      UP-WET
PX   2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKSF01      720  XMONTH20120301                      FKSFDPPLSP1
TO   6      ADD                      BF--SF-DP3
PX   2
WRFKSF02      XMONTH20120301                      SFDPSRTRG
TO   2      ADD      SFAS06                      CONT
TO   6      DIV                      FKSFDPPLSP1
PX   2
**
WRFKSF01      560  XMONTH20120301                      FKSFDPULS1
TO   6      ADD                      BF--SF-DP3
PX   2
**
WRFKSF03      XMONTH20120301                      SFDPSUMTRG
TO   2      ADD      SFAS06                      CONT
TO   6      DIV                      FKSFDPULS1
PX   2
***** AVG *****
WRFKSF04      720  XMONTH20120301                      FKSFAPLSP1
TO   6      ADD                      BF--SF-AP3
PX   2
WRFKSF05      XMONTH20120301                      SFAPSRTRG
TO   2      ADD      SFAS06                      CONT
TO   6      DIV                      FKSFAPLSP1
PX   2
**
WRFKSF04      560  XMONTH20120301                      FKSFAPULS1
TO   6      ADD                      BF--SF-AP3
PX   2
**
WRFKSF06      XMONTH20120301                      SFAPSUMTRG
TO   2      ADD      SFAS06                      CONT
TO   6      DIV                      FKSFAPULS1
PX   2
**
***** WET *****
WRFKSF07      1350 XMONTH20120301                      FKSFWPLSP1
TO   6      ADD                      BF--SF-WP3
PX   2
WRFKSF08      XMONTH20120301                      SFWPSRTRG
TO   2      ADD      SFAS06                      CONT
TO   6      DIV                      FKSFWPLSP1
PX   2
**
WRFKSF07      1090 XMONTH20120301                      FKSFWPULS1
TO   6      ADD                      BF--SF-WP3
PX   2
**

```

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WRFKSF09 XMONTH20120301 SFWPSUMTRG
 TO 2 ADD SFAS06 CONT
 TO 6 DIV FKSFWPULS1
 PX 2
 **

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

***** DRY *****

IFSFPUL 720 XMONTH20120301 SFDPLSP1
 TO 6 ADD BF--SF-DP3
 FS 5 FKSF02 1 0 1 9999999 2 1 1 4 3 6
 PX 2
 IFSFPUL 720 XMONTH20120301 3 SFDPLSP2
 TO 6 ADD BF--SF-DP3
 FS 5 FKSF02 1 0 1 9999999 2 1 1 0 3 6
 PX 2
 IFSFPUL 560 XMONTH20120301 SFDPLS1
 TO 6 ADD BF--SF-DP3
 FS 5 FKSF03 1 0 1 9999999 2 1 1 4 7 10
 PX 2
 IFSFPUL 560 XMONTH20120301 3 SFDPLS2
 TO 6 ADD BF--SF-DP3
 FS 5 FKSF03 1 0 1 9999999 2 1 1 0 7 10
 PX 2

***** AVG *****

IFSFPUL 720 XMONTH20120301 SFAPLSP1
 TO 6 ADD BF--SF-AP3
 FS 5 FKSF05 1 0 1 9999999 2 1 2 4 3 6
 PX 2
 IFSFPUL 720 XMONTH20120301 3 SFAPLSP2
 TO 6 ADD BF--SF-AP3
 FS 5 FKSF05 1 0 1 9999999 2 1 2 0 3 6
 PX 2
 IFSFPUL 560 XMONTH20120301 SFAPULS1
 TO 6 ADD BF--SF-AP3
 FS 5 FKSF06 1 0 1 9999999 2 1 2 4 7 10
 PX 2
 IFSFPUL 560 XMONTH20120301 3 SFAPULS2
 TO 6 ADD BF--SF-AP3
 FS 5 FKSF06 1 0 1 9999999 2 1 2 0 7 10
 PX 2

***** WET *****

IFSFPUL 1350 XMONTH20120301 SFWPLSP1
 TO 6 ADD BF--SF-WP3
 FS 5 FKSF08 1 0 1 9999999 2 1 1 4 3 6
 PX 2
 IFSFPUL 1350 XMONTH20120301 3 SFWPLSP2
 TO 6 ADD BF--SF-WP3
 FS 5 FKSF08 1 0 1 9999999 2 1 1 0 3 6
 PX 2
 IFSFPUL 1090 XMONTH20120301 SFWPULS1
 TO 6 ADD BF--SF-WP3
 FS 5 FKSF09 1 0 1 9999999 2 1 1 4 7 10
 PX 2
 IFSFPUL 1090 XMONTH20120301 3 SFWPULS2
 TO 6 ADD BF--SF-WP3
 FS 5 FKSF09 1 0 1 9999999 2 1 1 0 7 10
 PX 2

***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****

***** DRY *****

IFSFPUL 20120301 SFDPFIN
 TO 13 ADD SFDPLSP2 CONT
 TO 13 ADD SFDPLS2 CONT
 TO 16 MUL UP-DRY
 PX 2

***** AVG *****

IFSFPUL 20120301 SFAPFIN
 TO 13 ADD SFAPLSP2 CONT
 TO 13 ADD SFAPULS2 CONT
 TO 16 MUL UP-AVG
 PX 2

***** WET *****

IFSFPUL 20120301 SFWPFIN
 TO 13 ADD SFWPLSP2 CONT
 TO 13 ADD SFWPULS2 CONT
 TO 16 MUL UP-WET
 PX 2
 **

**BRAZOS RIVER AT SEYMOUR

** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
 WRDMBRSE 20120301 DMRLBRSE SB3DUM
 TO 2 ADD BRSE11
 PX 2
 ** FNI Change end

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```

**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRF03      XMONTH20120301      BF--SM-DP1
TO 2      ADD      DAYSPY      CONT
TO 2      SUB      SMDPND
PX 2
WRF03      XMONTH20120301      BF--SM-DP2
TO 6      ADD      BF--SM-DP1      CONT
TO 2      DIV      DAYSPY
PX 2
WRF03      5046 SM-DRY20120301      BF--SM-DP3
TO 6      MUL      BF--SM-DP2
PX 2
*****Avg Days*****
WRF03      XMONTH20120301      BF--SM-AP1
TO 2      ADD      DAYSPY      CONT
TO 2      SUB      SMAPND
PX 2
WRF03      XMONTH20120301      BF--SM-AP2
TO 6      ADD      BF--SM-AP1      CONT
TO 2      DIV      DAYSPY
PX 2
WRF03      13708 SM-AVG20120301      BF--SM-AP3
TO 6      MUL      BF--SM-AP2
PX 2
*****WET Days*****
WRF03      XMONTH20120301      BF--SM-WP1
TO 2      ADD      DAYSPY      CONT
TO 2      SUB      SMWPND
PX 2
WRF03      XMONTH20120301      BF--SM-WP2
TO 6      ADD      BF--SM-WP1      CONT
TO 2      DIV      DAYSPY
PX 2
WRF03      27200 SM-WET20120301      BF--SM-WP3
TO 6      MUL      BF--SM-WP2
PX 2
*****set subsistence flow*****
IFSMSUBS  723 SM-SUB20120301      SM-SUB1
TO 16     MUL      UP-DRY
PX 2
*****SET DRY BASE FLOW, *****
IFSMDRY  5046 SM-DRY20120301      SM-DRY1
TO 16     MUL      UP-DRY
PX 2
WRSMNOSB  1 XMONTH20120301      SMNOSUB2
FS 12     UP-DRY  0 1 1 9999999 1
PX 2
WRFKSM11      20120301      HOLDSMBASE
TO 13     ADD      SM-DRY1
PX 2
WRFKSM12      20120301      SMONOFF
TO 2      ADD      BRSE11      CONT
TO 6      DIV      HOLDSMBASE      CONT
TO 6      ADD      SMNOSUB2
PX 2
IFSMDRY  20120301      SM-DRY2
TO 13     ADD      SM-DRY1
FS 5      FKSM12  1 0 1 9999999 1
PX 2
IFSMSUBS  SM-SUB20120301  2      SM-SUB2
TO 2      ADD      BRSE11      CONT
TO 13     SUB      SM-SUB1      CONT
TO 2      DIV      HALF      CONT
TO 13     ADD      SM-SUB1
FS 5      FKSM12  0 1 1 9999999 1
PX 2
IFSMDRY  20120301      SM-DRY3
TO 13     ADD      SM-SUB2      CONT
TO 13     MAX      SM-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFSMAVG  13708 SM-AVG20120301      SM-AVG
TO 16     MUL      UP-AVG
PX 2
*****SET WET BASE FLOW, *****
IFSMTWET  27200 SM-WET20120301      SM-WET
TO 16     MUL      UP-WET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****

```

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```

WRFKSM01 2960 XMONTH20120301 FKSMDPLSP1
TO 6 ADD BF--SM-DP3
PX 2
WRFKSM02 XMONTH20120301 SMDPSRTRG
TO 2 ADD BRSE11 CONT
TO 6 DIV FKSMDPLSP1
PX 2
**
WRFKSM01 1870 XMONTH20120301 FKSMDPULS1
TO 6 ADD BF--SM-DP3
PX 2
**
WRFKSM03 XMONTH20120301 SMDPSUMTRG
TO 2 ADD BRSE11 CONT
TO 6 DIV FKSMDPULS1
PX 2
***** AVG *****
WRFKSM04 2960 XMONTH20120301 FKSMAPLSP1
TO 6 ADD BF--SM-AP3
PX 2
WRFKSM05 XMONTH20120301 SMAPSRTRG
TO 2 ADD BRSE11 CONT
TO 6 DIV FKSMAPLSP1
PX 2
**
WRFKSM04 1870 XMONTH20120301 FKSMAPULS1
TO 6 ADD BF--SM-AP3
PX 2
**
WRFKSM06 XMONTH20120301 SMAPSUMTRG
TO 2 ADD BRSE11 CONT
TO 6 DIV FKSMAPULS1
PX 2
**
***** WET *****
WRFKSM07 5870 XMONTH20120301 FKSMWPLSP1
TO 6 ADD BF--SM-WP3
PX 2
WRFKSM08 XMONTH20120301 SMWPSRTRG
TO 2 ADD BRSE11 CONT
TO 6 DIV FKSMWPLSP1
PX 2
**
WRFKSM07 4290 XMONTH20120301 FKSMWPULS1
TO 6 ADD BF--SM-WP3
PX 2
**
WRFKSM09 XMONTH20120301 SMWPSUMTRG
TO 2 ADD BRSE11 CONT
TO 6 DIV FKSMWPULS1
PX 2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFSMDPUL 2960 XMONTH20120301 SMDPLSP1
TO 6 ADD BF--SM-DP3
FS 5 FKSM02 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFSMDPUL 2960 XMONTH20120301 3 SMDPLSP2
TO 6 ADD BF--SM-DP3
FS 5 FKSM02 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFSMDPUL 1870 XMONTH20120301 SMDPULS1
TO 6 ADD BF--SM-DP3
FS 5 FKSM03 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFSMDPUL 1870 XMONTH20120301 3 SMDPULS2
TO 6 ADD BF--SM-DP3
FS 5 FKSM03 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** AVG *****
IFSMAFUL 2960 XMONTH20120301 SMAPLSP1
TO 6 ADD BF--SM-AP3
FS 5 FKSM05 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFSMAFUL 2960 XMONTH20120301 3 SMAPLSP2
TO 6 ADD BF--SM-AP3
FS 5 FKSM05 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFSMAFUL 1870 XMONTH20120301 SMAPULS1
TO 6 ADD BF--SM-AP3
FS 5 FKSM06 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFSMAFUL 1870 XMONTH20120301 3 SMAPULS2

```

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```

TO      6      ADD
FS      5      FKSM06      1      0      1 9999999 2 1 2 0 7 10
PX      2
***** WET *****
IFSMWPUL      5870      XMONTH20120301      SMWPLSP1
TO      6      ADD
FS      5      FKSM08      1      0      1 9999999 2 1 1 4 3 6
PX      2
IFSMWPUL      5870      XMONTH20120301      3      SMWPLSP2
TO      6      ADD
FS      5      FKSM08      1      0      1 9999999 2 1 1 0 3 6
PX      2
IFSMWPUL      4290      XMONTH20120301      SMWPULS1
TO      6      ADD
FS      5      FKSM09      1      0      1 9999999 2 1 1 4 7 10
PX      2
IFSMWPUL      4290      XMONTH20120301      3      SMWPULS2
TO      6      ADD
FS      5      FKSM09      1      0      1 9999999 2 1 1 0 7 10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFSMDFUL      20120301      SMDPFIN
TO      13      ADD      SMDPLSP2      CONT
TO      13      ADD      SMDPULS2      CONT
TO      16      MUL      UP-DRY
PX      2
***** AVG *****
IFSMAPUL      20120301      SMAPFIN
TO      13      ADD      SMAPLSP2      CONT
TO      13      ADD      SMAPULS2      CONT
TO      16      MUL      UP-AVG
PX      2
***** WET *****
IFSMWPUL      20120301      SMWPFIN
TO      13      ADD      SMWPLSP2      CONT
TO      13      ADD      SMWPULS2      CONT
TO      16      MUL      UP-WET
PX      2
**
** CLEAR FORK AT NUGENT
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMCFNU      20120301      DMRLCFNU      SB3DUM
TO      2      ADD      CFNU16
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake04      XMONTH20120301      BF--NU-DP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      NUFPND
PX      2
WRFake04      XMONTH20120301      BF--NU-DP2
TO      6      ADD      BF--NU-DP1      CONT
TO      2      DIV      DAYSPY
PX      2
WRFake04      2159      NU-DRY20120301      BF--NU-DP3
TO      6      MUL      BF--NU-DP2
PX      2
*****Avg Days*****
WRFake04      XMONTH20120301      BF--NU-AP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      NUAPND
PX      2
WRFake04      XMONTH20120301      BF--NU-AP2
TO      6      ADD      BF--NU-AP1      CONT
TO      2      DIV      DAYSPY
PX      2
WRFake04      4328      NU-AVG20120301      BF--NU-AP3
TO      6      MUL      BF--NU-AP2
PX      2
*****WET Days*****
WRFake04      XMONTH20120301      BF--NU-WP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      NUWPNPND
PX      2
WRFake04      XMONTH20120301      BF--NU-WP2
TO      6      ADD      BF--NU-WP1      CONT
TO      2      DIV      DAYSPY
PX      2
WRFake04      8186      NU-WET20120301      BF--NU-WP3
    
```


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```

TO      6      MUL                                BF--NU-WP2
PX      2
*****set subsistence flow*****
IFNUSUBS 723  NU-SUB20120301                    NU-SUB1
TO      16      MUL                                UP-DRY
PX      2
*****SET DRY BASE FLOW, *****
IFNU-DRY 2159 NU-DRY20120301                    NU-DRY1
TO      16      MUL                                UP-DRY
PX      2
WRNUNOSB 1     XMONTH20120301                    NUNOSUB2
FS      12  UP-DRY 0     1     1 9999999 1
PX      2
WRFKNU01 20120301                                HOLDNUBASE
TO      13      ADD                                NU-DRY1
PX      2
WRFKNU02 20120301                                NUONOFF
TO      2      ADD                                CFNU16      CONT
TO      6      DIV                                HOLDNUBASE      CONT
TO      6      ADD                                NUNOSUB2
PX      2
IFNU-DRY 20120301                                NU-DRY2
TO      13      ADD                                NU-DRY1
FS      5  FKNU02 1     0     1 9999999 1
PX      2
IFNUSUBS  NU-SUB20120301 2                    NU-SUB2
TO      2      ADD                                CFNU16      CONT
TO      13     SUB                                NU-SUB1      CONT
TO      2      DIV                                HALF        CONT
TO      13     ADD                                NU-SUB1
FS      5  FKNU02 0     1     1 9999999 1
PX      2
IFNU-DRY 20120301                                NU-DRY3
TO      13      ADD                                NU-SUB2      CONT
TO      13     MAX                                NU-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFNU-AVG 4328 NU-AVG20120301                    NU-AVG
TO      16      MUL                                UP-AVG
PX      2
*****SET WET BASE FLOW, *****
IFNU-WET 8186 NU-WET20120301                    NU-WET
TO      16      MUL                                UP-WET
PX      2
*****
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKNU02 860  XMONTH20120301                    FKNUDP1SP1
TO      6      ADD                                BF--NU-DP3
PX      2
WRFKNU03  XMONTH20120301                    NUDPSPRTRG
TO      2      ADD                                CFNU16      CONT
TO      6      DIV                                FKNUDP1SP1
PX      2
**
WRFKNU02 460  XMONTH20120301                    FKNUDPULS1
TO      6      ADD                                BF--NU-DP3
PX      2
**
WRFKNU04  XMONTH20120301                    NUDPSUMTRG
TO      2      ADD                                CFNU16      CONT
TO      6      DIV                                FKNUDPULS1
PX      2
***** AVG *****
WRFKNU05 860  XMONTH20120301                    FKNUA1PLS1
TO      6      ADD                                BF--NU-AP3
PX      2
WRFKNU06  XMONTH20120301                    NUAPSPRTRG
TO      2      ADD                                CFNU16      CONT
TO      6      DIV                                FKNUA1PLS1
PX      2
**
WRFKNU05 460  XMONTH20120301                    FKNUA1PULS1
TO      6      ADD                                BF--NU-AP3
PX      2
**
WRFKNU07  XMONTH20120301                    NUAPSUMTRG
TO      2      ADD                                CFNU16      CONT
TO      6      DIV                                FKNUA1PULS1
PX      2
**
***** WET *****
WRFKNU08 160  XMONTH20120301                    FKNUWPULW1
TO      6      ADD                                BF--NU-WP3
    
```

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```

PX      2
WRFKNU09      XMONTH20120301      NUWPWIRTRG
TO      2      ADD      CFNU16      CONT
TO      6      DIV      FKNUPULW1
PX      2
**
WRFKNU08      2800 XMONTH20120301      FKNUPULSP1
TO      6      ADD      BF--NU-WP3
PX      2
WRFKNU10      XMONTH20120301      NUWSPRTRG
TO      2      ADD      CFNU16      CONT
TO      6      DIV      FKNUPULSP1
PX      2
**
WRFKNU08      1890 XMONTH20120301      FKNUPULS1
TO      6      ADD      BF--NU-WP3
PX      2
**
WRFKNU11      XMONTH20120301      NUWPSUMTRG
TO      2      ADD      CFNU16      CONT
TO      6      DIV      FKNUPULS1
PX      2
**
    
```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

***** DRY *****

```

IFNUDPUL      860 XMONTH20120301      NUDPLSP1
TO      6      ADD      BF--NU-DP3
FS      5      FKNU03      1      0      1 9999999 2 1 1 4 3 6
PX      2
IFNUDPUL      860 XMONTH20120301      3      NUDPLSP2
TO      6      ADD      BF--NU-DP3
FS      5      FKNU03      1      0      1 9999999 2 1 1 0 3 6
PX      2
IFNUDPUL      460 XMONTH20120301      NUDPULS1
TO      6      ADD      BF--NU-DP3
FS      5      FKNU04      1      0      1 9999999 2 1 1 4 7 10
PX      2
IFNUDPUL      460 XMONTH20120301      3      NUDPULS2
TO      6      ADD      BF--NU-DP3
FS      5      FKNU04      1      0      1 9999999 2 1 1 0 7 10
PX      2
    
```

***** AVG *****

```

IFNUAPUL      860 XMONTH20120301      NUAPLSP1
TO      6      ADD      BF--NU-AP3
FS      5      FKNU06      1      0      1 9999999 2 1 2 4 3 6
PX      2
IFNUAPUL      860 XMONTH20120301      3      NUAPLSP2
TO      6      ADD      BF--NU-AP3
FS      5      FKNU06      1      0      1 9999999 2 1 2 0 3 6
PX      2
IFNUAPUL      460 XMONTH20120301      NUAPULS1
TO      6      ADD      BF--NU-AP3
FS      5      FKNU07      1      0      1 9999999 2 1 2 4 7 10
PX      2
IFNUAPUL      460 XMONTH20120301      3      NUAPULS2
TO      6      ADD      BF--NU-AP3
FS      5      FKNU07      1      0      1 9999999 2 1 2 0 7 10
PX      2
    
```

***** WET *****

```

IFNUWPUL      160 XMONTH20120301      NUWPULW1
TO      6      ADD      BF--NU-WP3
FS      5      FKNU09      1      0      1 9999999 2 1 1 4 11 2
PX      2
IFNUWPUL      160 XMONTH20120301      3      NUWPULW2
TO      6      ADD      BF--NU-WP3
FS      5      FKNU09      1      0      1 9999999 2 1 1 0 11 2
PX      2
IFNUWPUL      2800 XMONTH20120301      NUWPLSP1
TO      6      ADD      BF--NU-WP3
FS      5      FKNU10      1      0      1 9999999 2 1 1 4 3 6
PX      2
IFNUWPUL      2800 XMONTH20120301      3      NUWPLSP2
TO      6      ADD      BF--NU-WP3
FS      5      FKNU10      1      0      1 9999999 2 1 1 0 3 6
PX      2
IFNUWPUL      1890 XMONTH20120301      NUWPULS1
TO      6      ADD      BF--NU-WP3
FS      5      FKNU11      1      0      1 9999999 2 1 1 4 7 10
PX      2
IFNUWPUL      1890 XMONTH20120301      3      NUWPULS2
TO      6      ADD      BF--NU-WP3
FS      5      FKNU11      1      0      1 9999999 2 1 1 0 7 10
PX      2
    
```

***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****

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```
***** DRY *****
IFNUDPUL          20120301          NUDPFIN
TO 13            ADD                NUDPLSP2    CONT
TO 13            ADD                NUDPULS2    CONT
TO 16            MUL                UP-DRY
PX 2
```

```
***** AVG *****
IFNUAPUL          20120301          NUAPFIN
TO 13            ADD                NUAPLSP2    CONT
TO 13            ADD                NUAPULS2    CONT
TO 16            MUL                UP-AVG
PX 2
```

```
***** WET *****
IFNUWPUL          20120301          NUWPFIN
TO 13            ADD                NUWPULW2    CONT
TO 13            ADD                NUWPLSP2    CONT
TO 13            ADD                NUWPULS2    CONT
TO 16            MUL                UP-WET
PX 2
```

** CLEAR FORK AT LUEDERS

```
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMCFLU          20120301          DMRLCFLU    SB3DUM
TO 2              ADD                417431
PX 2
```

** FNI Change end

** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
 ** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.

```
*****Dry Days*****
WRFAKE05          XMONTH20120301          BF--LU-DP1
TO 2              ADD                DAYSPY      CONT
TO 2              SUB                LUDFND
PX 2
WRFAKE05          XMONTH20120301          BF--LU-DP2
TO 6              ADD                BF--LU-DP1    CONT
TO 2              DIV                DAYSPY
PX 2
WRFAKE05          2876 LU-DRY20120301          BF--LU-DP3
TO 6              MUL                BF--LU-DP2
PX 2
```

```
*****Avg Days*****
WRFAKE05          XMONTH20120301          BF--LU-AP1
TO 2              ADD                DAYSPY      CONT
TO 2              SUB                LUAPND
PX 2
WRFAKE05          XMONTH20120301          BF--LU-AP2
TO 6              ADD                BF--LU-AP1    CONT
TO 2              DIV                DAYSPY
PX 2
WRFAKE05          5290 LU-AVG20120301          BF--LU-AP3
TO 6              MUL                BF--LU-AP2
PX 2
```

```
*****WET Days*****
WRFAKE05          XMONTH20120301          BF--LU-WP1
TO 2              ADD                DAYSPY      CONT
TO 2              SUB                LUWPNL
PX 2
WRFAKE05          XMONTH20120301          BF--LU-WP2
TO 6              ADD                BF--LU-WP1    CONT
TO 2              DIV                DAYSPY
PX 2
WRFAKE05          10112 LU-WET20120301          BF--LU-WP3
TO 6              MUL                BF--LU-WP2
PX 2
```

```
*****set subsistence flow*****
IFLUSUBS          723 LU-SUB20120301          LU-SUB1
TO 16            MUL                UP-DRY
PX 2
```

```
*****SET DRY BASE FLOW, *****
IFLU-DRY          2876 LU-DRY20120301          LU-DRY1
TO 16            MUL                UP-DRY
PX 2
```

```
WRLUNOSB          1 XMONTH20120301          LUNOSUB2
FS 12            UP-DRY          0      1      1 9999999 1
PX 2
WRFKLU01          20120301          HOLDLUBASE
TO 13            ADD                LU-DRY1
PX 2
WRFKLU02          20120301          LUONOFF
TO 2              ADD                417431      CONT
TO 6              DIV                HOLDLUBASE    CONT
TO 6              ADD                LUNOSUB2
```

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```

PX      2
IFLU-DRY      20120301      LU-DRY2
TO      13      ADD      LU-DRY1
FS      5      FKL002      1      0      1 9999999 1
PX      2
IFLUSUBS      LU-SUB20120301  2      LU-SUB2
TO      2      ADD      417431      CONT
TO      13      SUB      LU-SUB1      CONT
TO      2      DIV      HALF      CONT
TO      13      ADD      LU-SUB1
FS      5      FKL002      0      1      1 9999999 1
PX      2
IFLU-DRY      20120301      LU-DRY3
TO      13      ADD      LU-SUB2      CONT
TO      13      MAX      LU-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFLU-AVG      5290      LU-AVG20120301      LU-AVG
TO      16      MUL      UP-AVG
PX      2
*****SET WET BASE FLOW, *****
IFLU-WET      10112      LU-WET20120301      LU-WET
TO      16      MUL      UP-WET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKLU02      74      XMONTH20120301      FKLUDPLSP1
TO      6      ADD      BF--LU-DP3
PX      2
WRFKLU03      XMONTH20120301      LUDPSRTRG
TO      2      ADD      417431      CONT
TO      6      DIV      FKLUDPLSP1
PX      2
**
WRFKLU02      74      XMONTH20120301      FKLUDPULS1
TO      6      ADD      BF--LU-DP3
PX      2
**
WRFKLU04      XMONTH20120301      LUDPSUMTRG
TO      2      ADD      417431      CONT
TO      6      DIV      FKLUDPULS1
PX      2
***** AVG *****
WRFKLU05      148      XMONTH20120301      FKLUAPLSP1
TO      6      ADD      BF--LU-AP3
PX      2
WRFKLU06      XMONTH20120301      LUAPSRTRG
TO      2      ADD      417431      CONT
TO      6      DIV      FKLUAPLSP1
PX      2
**
WRFKLU05      148      XMONTH20120301      FKLUAPULS1
TO      6      ADD      BF--LU-AP3
PX      2
**
WRFKLU07      XMONTH20120301      LUAPSUMTRG
TO      2      ADD      417431      CONT
TO      6      DIV      FKLUAAPULS1
PX      2
**
***** WET *****
WRFKLU08      158      XMONTH20120301      FKLWLPULW1
TO      6      ADD      BF--LU-WP3
PX      2
WRFKLU09      XMONTH20120301      LUWPWIRTRG
TO      2      ADD      417431      CONT
TO      6      DIV      FKLWLPULW1
PX      2
**
WRFKLU08      2054      XMONTH20120301      FKLWPLSP1
TO      6      ADD      BF--LU-WP3
PX      2
WRFKLU10      XMONTH20120301      LUWPSRTRG
TO      2      ADD      417431      CONT
TO      6      DIV      FKLWPLSP1
PX      2
**
WRFKLU08      779      XMONTH20120301      FKLWLPULS1
TO      6      ADD      BF--LU-WP3
PX      2
**
WRFKLU11      XMONTH20120301      LUWPSUMTRG
TO      2      ADD      417431      CONT
    
```

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TO 6 DIV FKLWUPULS1
 PX 2
 **

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season) *****

***** DRY *****

IFLUDPUL 74 XMONTH20120301 LUDPLSP1
 TO 6 ADD BF--LU-DP3
 FS 5 FKL03 1 0 1 9999999 2 1 1 4 3 6
 PX 2
 IFLUDPUL 74 XMONTH20120301 3 LUDPLSP2
 TO 6 ADD BF--LU-DP3
 FS 5 FKL03 1 0 1 9999999 2 1 1 0 3 6
 PX 2
 IFLUDPUL 74 XMONTH20120301 LUDPULS1
 TO 6 ADD BF--LU-DP3
 FS 5 FKL04 1 0 1 9999999 2 1 1 4 7 10
 PX 2
 IFLUDPUL 74 XMONTH20120301 3 LUDPULS2
 TO 6 ADD BF--LU-DP3
 FS 5 FKL04 1 0 1 9999999 2 1 1 0 7 10
 PX 2

***** AVG *****

IFLUAPUL 148 XMONTH20120301 LUAPLSP1
 TO 6 ADD BF--LU-AP3
 FS 5 FKL06 1 0 1 9999999 2 1 2 4 3 6
 PX 2
 IFLUAPUL 148 XMONTH20120301 3 LUAPLSP2
 TO 6 ADD BF--LU-AP3
 FS 5 FKL06 1 0 1 9999999 2 1 2 0 3 6
 PX 2
 IFLUAPUL 148 XMONTH20120301 LUAPULS1
 TO 6 ADD BF--LU-AP3
 FS 5 FKL07 1 0 1 9999999 2 1 2 4 7 10
 PX 2
 IFLUAPUL 148 XMONTH20120301 3 LUAPULS2
 TO 6 ADD BF--LU-AP3
 FS 5 FKL07 1 0 1 9999999 2 1 2 0 7 10
 PX 2

***** WET *****

IFLUWPUL 158 XMONTH20120301 LUWPULW1
 TO 6 ADD BF--LU-WP3
 FS 5 FKL09 1 0 1 9999999 2 1 1 4 11 2
 PX 2
 IFLUWPUL 158 XMONTH20120301 3 LUWPULW2
 TO 6 ADD BF--LU-WP3
 FS 5 FKL09 1 0 1 9999999 2 1 1 0 11 2
 PX 2
 IFLUWPUL 2054 XMONTH20120301 LUWPLSP1
 TO 6 ADD BF--LU-WP3
 FS 5 FKL10 1 0 1 9999999 2 1 1 4 3 6
 PX 2
 IFLUWPUL 2054 XMONTH20120301 3 LUWPLSP2
 TO 6 ADD BF--LU-WP3
 FS 5 FKL10 1 0 1 9999999 2 1 1 0 3 6
 PX 2
 IFLUWPUL 779 XMONTH20120301 LUWPULS1
 TO 6 ADD BF--LU-WP3
 FS 5 FKL11 1 0 1 9999999 2 1 1 4 7 10
 PX 2
 IFLUWPUL 779 XMONTH20120301 3 LUWPULS2
 TO 6 ADD BF--LU-WP3
 FS 5 FKL11 1 0 1 9999999 2 1 1 0 7 10
 PX 2

***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****

***** DRY *****

IFLUDPUL 20120301 LUDPFIN
 TO 13 ADD LUDPLSP2 CONT
 TO 13 ADD LUDPULS2 CONT
 TO 16 MUL UP-DRY
 PX 2

***** AVG *****

IFLUAPUL 20120301 LUAPFIN
 TO 13 ADD LUAPLSP2 CONT
 TO 13 ADD LUAPULS2 CONT
 TO 16 MUL UP-AVG
 PX 2

***** WET *****

IFLUWPUL 20120301 LUWPFIN
 TO 13 ADD LUWPULW2 CONT
 TO 13 ADD LUWPLSP2 CONT
 TO 13 ADD LUWPULS2 CONT
 TO 16 MUL UP-WET
 PX 2

**

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```

**BRAZOS RIVER NEAR SOUTH BEND
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRSB      20120301      DMRLBRSB  SB3DUM
TO 2          ADD          BRSEB23
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake06      XMONTH20120301      BF--SB-DP1
TO 2          ADD          DAYSPY      CONT
TO 2          SUB          SBDFND
PX 2
WRFake06      XMONTH20120301      BF--SB-DP2
TO 6          ADD          BF--SB-DP1      CONT
TO 2          DIV          DAYSPY
PX 2
WRFake04      19473  SB-DRY20120301      BF--SB-DP3
TO 6          MUL          BF--SB-DP2
PX 2
*****Avg Days*****
WRFake06      XMONTH20120301      BF--SB-AP1
TO 2          ADD          DAYSPY      CONT
TO 2          SUB          SBDFND
PX 2
WRFake06      XMONTH20120301      BF--SB-AP2
TO 6          ADD          BF--SB-AP1      CONT
TO 2          DIV          DAYSPY
PX 2
WRFake06      43077  SB-AVG20120301      BF--SB-AP3
TO 6          MUL          BF--SB-AP2
PX 2
*****WET Days*****
WRFake06      XMONTH20120301      BF--SB-WP1
TO 2          ADD          DAYSPY      CONT
TO 2          SUB          SBWFND
PX 2
WRFake06      XMONTH20120301      BF--SB-WP2
TO 6          ADD          BF--SB-WP1      CONT
TO 2          DIV          DAYSPY
PX 2
WRFake06      75864  SB-WET20120301      BF--SB-WP3
TO 6          MUL          BF--SB-WP2
PX 2
*****set subsistence flow*****
IFSBSUBS      723  SB-SUB20120301      SB-SUB1
TO 16         MUL          UP-DRY
PX 2
*****SET DRY BASE FLOW, *****
IFSBS-DRY      19473  SB-DRY20120301      SB-DRY1
TO 16         MUL          UP-DRY
PX 2
WRSBNOB      1  XMONTH20120301      SBNOSUB2
FS 12  UP-DRY      0  1  1  9999999  1
PX 2
WRFKSB11      20120301      HOLDSBBASE
TO 13         ADD          SB-DRY1
PX 2
WRFKSB12      20120301      SBONOFF
TO 2          ADD          BRSEB23      CONT
TO 6          DIV          HOLDSBBASE      CONT
TO 6          ADD          SBNOSUB2
PX 2
IFSBS-DRY      20120301      SB-DRY2
TO 13         ADD          SB-DRY1
FS 5  FKS12      1  0  1  9999999  1
PX 2
IFSBSUBS      SB-SUB20120301  2      SB-SUB2
TO 2          ADD          BRSEB23      CONT
TO 13         SUB          SB-SUB1      CONT
TO 2          DIV          HALF          CONT
TO 13         ADD          SB-SUB1
FS 5  FKS12      0  1  1  9999999  1
PX 2
IFSBS-DRY      20120301      SB-DRY3
TO 13         ADD          SB-SUB2      CONT
TO 13         MAX          SB-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFSBS-AVG      43077  SB-AVG20120301      SB-AVG
TO 16         MUL          UP-AVG
PX 2
    
```

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*****SET WET BASE FLOW, *****

IFSB-WET 75864 SB-WET20120301 SB-WET
 TO 16 MUL UP-WET
 PX 2

***** DRY *****

***** Developing pulse+base flow targets (Each Season), *****

WRFKSB01 7280 XMONTH20120301 FKSBDPLSP1
 TO 6 ADD BF--SB-DP3
 PX 2

WRFKSB02 XMONTH20120301 SBDPSRTRG
 TO 2 ADD BRBS23 CONT
 TO 6 DIV FKSBDPLSP1
 PX 2

WRFKSB01 3140 XMONTH20120301 FKSBDPULS1
 TO 6 ADD BF--SB-DP3
 PX 2

WRFKSB03 XMONTH20120301 SBDPSUMTRG
 TO 2 ADD BRBS23 CONT
 TO 6 DIV FKSBDPULS1
 PX 2

***** AVG *****

WRFKSB04 7280 XMONTH20120301 FKSBAPLSP1
 TO 6 ADD BF--SB-AP3
 PX 2

WRFKSB05 XMONTH20120301 SBAPSRTRG
 TO 2 ADD BRBS23 CONT
 TO 6 DIV FKSBAPLSP1
 PX 2

WRFKSB04 3140 XMONTH20120301 FKSBAPULS1
 TO 6 ADD BF--SB-AP3
 PX 2

WRFKSB06 XMONTH20120301 SBAPSUMTRG
 TO 2 ADD BRBS23 CONT
 TO 6 DIV FKSBAPULS1
 PX 2

***** WET *****

WRFKSB07 15700 XMONTH20120301 FKSBWPLSP1
 TO 6 ADD BF--SB-WP3
 PX 2

WRFKSB09 XMONTH20120301 SBWPSRTRG
 TO 2 ADD BRBS23 CONT
 TO 6 DIV FKSBWPLSP1
 PX 2

WRFKSB07 7050 XMONTH20120301 FKSBWPULS1
 TO 6 ADD BF--SB-WP3
 PX 2

WRFKSB10 XMONTH20120301 SBWPSUMTRG
 TO 2 ADD BRBS23 CONT
 TO 6 DIV FKSBWPULS1
 PX 2

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season) *****

***** DRY *****

IFSBDFUL 7280 XMONTH20120301 SBDPLSP1
 TO 6 ADD BF--SB-DP3
 FS 5 FKS02 1 0 1 999999 2 1 1 4 3 6
 PX 2

IFSBDFUL 7280 XMONTH20120301 3 SBDPLSP2
 TO 6 ADD BF--SB-DP3
 FS 5 FKS02 1 0 1 999999 2 1 1 0 3 6
 PX 2

IFSBDFUL 3140 XMONTH20120301 SBDPULS1
 TO 6 ADD BF--SB-DP3
 FS 5 FKS03 1 0 1 999999 2 1 1 4 7 10
 PX 2

IFSBDFUL 3140 XMONTH20120301 3 SBDPULS2
 TO 6 ADD BF--SB-DP3
 FS 5 FKS03 1 0 1 999999 2 1 1 0 7 10
 PX 2

***** AVG *****

IFSBAPUL 7280 XMONTH20120301 SBAPLSP1
 TO 6 ADD BF--SB-AP3
 FS 5 FKS05 1 0 1 999999 2 1 2 4 3 6
 PX 2

IFSBAPUL 7280 XMONTH20120301 3 SBAPLSP2
 TO 6 ADD BF--SB-AP3

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```

FS 5 FKSBO5 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFSBAPUL 3140 XMONTH20120301 SBAPULS1
TO 6 ADD BF--SB-AP3
FS 5 FKSBO6 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFSBAPUL 3140 XMONTH20120301 3 SBAPULS2
TO 6 ADD BF--SB-AP3
FS 5 FKSBO6 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** WET *****
IFSBWPUL 15700 XMONTH20120301 SBWPLSP1
TO 6 ADD BF--SB-WP3
FS 5 FKSBO9 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFSBWPUL 15700 XMONTH20120301 3 SBWPLSP2
TO 6 ADD BF--SB-WP3
FS 5 FKSBO9 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFSBWPUL 7050 XMONTH20120301 SBWPULS1
TO 6 ADD BF--SB-WP3
FS 5 FKSBO10 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFSBWPUL 7050 XMONTH20120301 3 SBWPULS2
TO 6 ADD BF--SB-WP3
FS 5 FKSBO10 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFSBDFPUL 20120301 SBDPFIN
TO 13 ADD SBDPLSP2 CONT
TO 13 ADD SBDPULS2 CONT
TO 16 MUL UP-DRY
PX 2
***** AVG *****
IFSBAPUL 20120301 SBAPFIN
TO 13 ADD SBAPLSP2 CONT
TO 13 ADD SBAPULS2 CONT
TO 16 MUL UP-AVG
PX 2
***** WET *****
IFSBWPUL 20120301 SBWPFIN
TO 13 ADD SBWPLSP2 CONT
TO 13 ADD SBWPULS2 CONT
TO 16 MUL UP-WET
PX 2
**
**BRAZOS RIVER NEAR PALO PINTO
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRPP 20120301 DMRLBRPP SB3DUM
TO 2 ADD BRPP27
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake07 XMONTH20120301 BF--PP-DP1
TO 2 ADD DAYSPY CONT
TO 2 SUB PPDEND
PX 2
WRFake07 XMONTH20120301 BF--PP-DP2
TO 6 ADD BF--PP-DP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake07 28686 PP-DRY20120301 BF--PP-DP3
TO 6 MUL BF--PP-DP2
PX 2
*****Avg Days SMALL PULSE*****
WRFake07 XMONTH20120301 BF--PPSAP1
TO 2 ADD DAYSPY CONT
TO 2 SUB PPASPD
PX 2
WRFake07 XMONTH20120301 BF--PPSAP2
TO 6 ADD BF--PPSAP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake07 50176 PP-AVG20120301 BF--PPSAP3
TO 6 MUL BF--PPSAP2
PX 2
*****Avg Days LARGE PULSE*****
WRFake07 XMONTH20120301 BF--PPLAP1
TO 2 ADD DAYSPY CONT

```


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```

TO      2          SUB          PPALPD
PX      2
WRFKPE07      XMONTH20120301          BF--PPLAP2
TO      6          ADD          BF--PPLAP1  CONT
TO      2          DIV          DAYSPY
PX      2
WRFKPE07      50176  PP-AVG20120301          BF--PPLAP3
TO      6          MUL          BF--PPLAP2
PX      2
*****WET Days SMALL PULSE*****
WRFKPE07      XMONTH20120301          BF--PPSWP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          PPWSPD
PX      2
WRFKPE07      XMONTH20120301          BF--PPSWP2
TO      6          ADD          BF--PPSWP1  CONT
TO      2          DIV          DAYSPY
PX      2
WRFKPE07      82022  PP-WET20120301          BF--PPSWP3
TO      6          MUL          BF--PPSWP2
PX      2
*****WET Days LARGE PULSE*****
WRFKPE07      XMONTH20120301          BF--PPLWP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          PPWLPD
PX      2
WRFKPE07      XMONTH20120301          BF--PPLWP2
TO      6          ADD          BF--PPLWP1  CONT
TO      2          DIV          DAYSPY
PX      2
WRFKPE07      82022  PP-WET20120301          BF--PPLWP3
TO      6          MUL          BF--PPLWP2
PX      2
*****set subsistence flow*****
IFPPSUBS      12294  PP-SUB20120301          PP-SUB1
TO      16          MUL          MIDDRY
PX      2
*****SET DRY BASE FLOW, *****
IFPP-DRY      28686  PP-DRY20120301          PP-DRY1
TO      16          MUL          MIDDRY
PX      2
WRPPNOSB      1  XMONTH20120301          PPNOSUB2
FS      12  MIDDRY      0      1      1  9999999  1
PX      2
WRFKPP01      20120301          HOLDPPBASE
TO      13          ADD          PP-DRY1
PX      2
WRFKPP02      20120301          PPONOFF
TO      2          ADD          BRPP27          CONT
TO      6          DIV          HOLDPPBASE  CONT
TO      6          ADD          PPNOSUB2
PX      2
IFPP-DRY      20120301          PP-DRY2
TO      13          ADD          PP-DRY1
FS      5  FKPP02      1      0      1  9999999  1
PX      2
IFPPSUBS      PP-SUB20120301  2          PP-SUB2
TO      2          ADD          BRPP27          CONT
TO      13          SUB          PP-SUB1          CONT
TO      2          DIV          HALF          CONT
TO      13          ADD          PP-SUB1
FS      5  FKPP02      0      1      1  9999999  1
PX      2
IFPP-DRY      20120301          PP-DRY3
TO      13          ADD          PP-SUB2  CONT
TO      13          MAX          PP-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFPP-AVG      50176  PP-AVG20120301          PP-AVG
TO      16          MUL          MIDAVG
PX      2
*****SET WET BASE FLOW, *****
IFPP-WET      82022  PP-WET20120301          PP-WET
TO      16          MUL          MIDWET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKPP02      3690  XMONTH20120301          FKPPDPLWP1
TO      6          ADD          BF--PP-DP3
PX      2
WRFKPP03      XMONTH20120301          PPDPWIRTRG
TO      2          ADD          BRPP27          CONT
TO      6          DIV          FKPPDPLWP1
    
```

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```

PX      2
WRFKPP02  6600  XMONTH20120301          FKPPDPLSP1
TO      6          ADD                  BF--PP-DP3
PX      2
WRFKPP04          XMONTH20120301          PPDPSRTRG
TO      2          ADD                  BRPP27          CONT
TO      6          DIV                  FKPPDPLSP1
PX      2
**
WRFKPP02  5920  XMONTH20120301          FKPPDPULS1
TO      6          ADD                  BF--PP-DP3
PX      2
**
WRFKPP05          XMONTH20120301          PPDPSUMTRG
TO      2          ADD                  BRPP27          CONT
TO      6          DIV                  FKPPDPULS1
PX      2
***** SMALL AVERAGE PULSE *****
WRFKPP06  3690  XMONTH20120301          FKPPAPLWP1
TO      6          ADD                  BF--PPSAP3
PX      2
WRFKPP07          XMONTH20120301          PPAPWIRTR1
TO      2          ADD                  BRPP27          CONT
TO      6          DIV                  FKPPAPLWP1
PX      2
WRFKPP06  6600  XMONTH20120301          FKPPAPLSP1
TO      6          ADD                  BF--PPSAP3
PX      2
WRFKPP08          XMONTH20120301          PPAPSRTR1
TO      2          ADD                  BRPP27          CONT
TO      6          DIV                  FKPPAPLSP1
PX      2
**
WRFKPP06  5920  XMONTH20120301          FKPPAPULS1
TO      6          ADD                  BF--PPSAP3
PX      2
**
WRFKPP09          XMONTH20120301          PPAPSUMTR1
TO      2          ADD                  BRPP27          CONT
TO      6          DIV                  FKPPAPULS1
PX      2
***** LARGE AVERAGE PULSE *****
WRFKPP10  7180  XMONTH20120301          FKPPAPLWP2
TO      6          ADD                  BF--PPLAP3
PX      2
WRFKPP11          XMONTH20120301          PPAPWIRTR2
TO      2          ADD                  BRPP27          CONT
TO      6          DIV                  FKPPAPLWP2
PX      2
WRFKPP10  20200 XMONTH20120301          FKPPAPLSP2
TO      6          ADD                  BF--PPLAP3
PX      2
WRFKPP12          XMONTH20120301          PPAPSRTR2
TO      2          ADD                  BRPP27          CONT
TO      6          DIV                  FKPPAPLSP2
PX      2
**
WRFKPP10  13000 XMONTH20120301          FKPPAPULS2
TO      6          ADD                  BF--PPLAP3
PX      2
**
WRFKPP13          XMONTH20120301          PPAPSUMTR2
TO      2          ADD                  BRPP27          CONT
TO      6          DIV                  FKPPAPULS2
PX      2
**
***** WET SMALL PULSE*****
WRFKPP14  3690  XMONTH20120301          FKPPWPLWP1
TO      6          ADD                  BF--PPSWP3
PX      2
WRFKPP15          XMONTH20120301          PPWPWIRTR1
TO      2          ADD                  BRPP27          CONT
TO      6          DIV                  FKPPWPLWP1
PX      2
WRFKPP14  6600  XMONTH20120301          FKPPWPLSP1
TO      6          ADD                  BF--PPSWP3
PX      2
WRFKPP16          XMONTH20120301          PPWPSRTR1
TO      2          ADD                  BRPP27          CONT
TO      6          DIV                  FKPPWPLSP1
PX      2
**
WRFKPP14  5920  XMONTH20120301          FKPPWPULS1
TO      6          ADD                  BF--PPSWP3

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PX      2
**
WRFKPP17      XMONTH20120301      PPWPSUMTR1
TO      2      ADD      BRPP27      CONT
TO      6      DIV      FKPPWPULS1
PX      2
***** WET LARGE PULSE*****
WRFKPP18      7180 XMONTH20120301      FKPPWPLWP2
TO      6      ADD      BF--PPLWP3
PX      2
WRFKPP19      XMONTH20120301      PPWPWIRTR2
TO      2      ADD      BRPP27      CONT
TO      6      DIV      FKPPWPLWP2
PX      2
WRFKPP18      20200 XMONTH20120301      FKPPWPLSP2
TO      6      ADD      BF--PPLWP3
PX      2
WRFKPP20      XMONTH20120301      PPWPSRTR2
TO      2      ADD      BRPP27      CONT
TO      6      DIV      FKPPWPLSP2
PX      2
**
WRFKPP18      13000 XMONTH20120301      FKPPWPULS2
TO      6      ADD      BF--PPLWP3
PX      2
**
WRFKPP21      XMONTH20120301      PPWPSUMTR2
TO      2      ADD      BRPP27      CONT
TO      6      DIV      FKPPWPULS2
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFPPDPUL      3690 XMONTH20120301      PPDPLWP1
TO      6      ADD      BF--PP-DP3
FS      5      FKPP03      1      0      1 9999999 2 1 2 4 11 2
PX      2
IFPPDPUL      3690 XMONTH20120301 3      PPDPLWP2
TO      6      ADD      BF--PP-DP3
FS      5      FKPP03      1      0      1 9999999 2 1 2 0 11 2
PX      2
IFPPDPUL      6600 XMONTH20120301      PPDPLSP1
TO      6      ADD      BF--PP-DP3
FS      5      FKPP04      1      0      1 9999999 2 1 2 4 3 6
PX      2
IFPPDPUL      6600 XMONTH20120301 3      PPDPLSP2
TO      6      ADD      BF--PP-DP3
FS      5      FKPP04      1      0      1 9999999 2 1 2 0 3 6
PX      2
IFPPDPUL      5920 XMONTH20120301      PPDPLSP1
TO      6      ADD      BF--PP-DP3
FS      5      FKPP05      1      0      1 9999999 2 1 2 4 7 10
PX      2
IFPPDPUL      5920 XMONTH20120301 3      PPDPLSP2
TO      6      ADD      BF--PP-DP3
FS      5      FKPP05      1      0      1 9999999 2 1 2 0 7 10
PX      2
***** AVG SMALL PULSE*****
IFPPASPL      3690 XMONTH20120301      PPAPLSW1
TO      6      ADD      BF--PPSAP3
FS      5      FKPP07      1      0      1 9999999 2 1 4 4 11 2
PX      2
IFPPASPL      3690 XMONTH20120301 3      PPAPLSW2
TO      6      ADD      BF--PPSAP3
FS      5      FKPP07      1      0      1 9999999 2 1 4 0 11 2
PX      2
IFPPASPL      6600 XMONTH20120301      PPASPSF1
TO      6      ADD      BF--PPSAP3
FS      5      FKPP08      1      0      1 9999999 2 1 4 4 3 6
PX      2
IFPPASPL      6600 XMONTH20120301 3      PPASPSF2
TO      6      ADD      BF--PPSAP3
FS      5      FKPP08      1      0      1 9999999 2 1 4 0 3 6
PX      2
IFPPASPL      5920 XMONTH20120301      PPASPLS1
TO      6      ADD      BF--PPSAP3
FS      5      FKPP09      1      0      1 9999999 2 1 4 4 7 10
PX      2
IFPPASPL      5920 XMONTH20120301 3      PPASPLS2
TO      6      ADD      BF--PPSAP3
FS      5      FKPP09      1      0      1 9999999 2 1 4 0 7 10
PX      2
***** AVG LARGE PULSE*****
IFPPALPL      7180 XMONTH20120301      PPAPLLW1

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TO      6      ADD      BF--PPLAP3
FS      5      FKPP11    1      0      1 9999999 2 1 2 4 11 2
PX      2
IFPPALPL 7180 XMONTH20120301 3      PPAPLLW2
TO      6      ADD      BF--PPLAP3
FS      5      FKPP11    1      0      1 9999999 2 1 2 0 11 2
PX      2
IFPPALPL 20200 XMONTH20120301      PPALPSP1
TO      6      ADD      BF--PPLAP3
FS      5      FKPP12    1      0      1 9999999 2 1 2 4 3 6
PX      2
IFPPALPL 20200 XMONTH20120301 3      PPALPSP2
TO      6      ADD      BF--PPLAP3
FS      5      FKPP12    1      0      1 9999999 2 1 2 0 3 6
PX      2
IFPPALPL 13000 XMONTH20120301      PPALPLS1
TO      6      ADD      BF--PPLAP3
FS      5      FKPP13    1      0      1 9999999 2 1 2 4 7 10
PX      2
IFPPALPL 13000 XMONTH20120301 3      PPALPLS2
TO      6      ADD      BF--PPLAP3
FS      5      FKPP13    1      0      1 9999999 2 1 2 0 7 10
PX      2
***** WET SMALL PULSE *****
IFPPWSPL 3690 XMONTH20120301      PPSWPP1
TO      6      ADD      BF--PPSWP3
FS      5      FKPP15    1      0      1 9999999 2 1 4 4 11 2
PX      2
IFPPWSPL 3690 XMONTH20120301 3      PPSWPP2
TO      6      ADD      BF--PPSWP3
FS      5      FKPP15    1      0      1 9999999 2 1 4 0 11 2
PX      2
IFPPWSPL 6600 XMONTH20120301      PPSWPP1
TO      6      ADD      BF--PPSWP3
FS      5      FKPP16    1      0      1 9999999 2 1 4 4 3 6
PX      2
IFPPWSPL 6600 XMONTH20120301 3      PPSWPP2
TO      6      ADD      BF--PPSWP3
FS      5      FKPP16    1      0      1 9999999 2 1 4 0 3 6
PX      2
IFPPWSPL 5920 XMONTH20120301      PPSWPLS1
TO      6      ADD      BF--PPSWP3
FS      5      FKPP17    1      0      1 9999999 2 1 4 4 7 10
PX      2
IFPPWSPL 5920 XMONTH20120301 3      PPSWPLS2
TO      6      ADD      BF--PPSWP3
FS      5      FKPP17    1      0      1 9999999 2 1 4 0 7 10
PX      2
***** WET LARGE PULSE*****
IFPPWLPL 7180 XMONTH20120301      PPLWPP1
TO      6      ADD      BF--PPLWP3
FS      5      FKPP19    1      0      1 9999999 2 1 3 4 11 2
PX      2
IFPPWLPL 7180 XMONTH20120301 3      PPLWPP2
TO      6      ADD      BF--PPLWP3
FS      5      FKPP19    1      0      1 9999999 2 1 3 0 11 2
PX      2
IFPPWLPL 20200 XMONTH20120301      PPLWPP1
TO      6      ADD      BF--PPLWP3
FS      5      FKPP20    1      0      1 9999999 2 1 3 4 3 6
PX      2
IFPPWLPL 20200 XMONTH20120301 3      PPLWPP2
TO      6      ADD      BF--PPLWP3
FS      5      FKPP20    1      0      1 9999999 2 1 3 0 3 6
PX      2
IFPPWLPL 13000 XMONTH20120301      PPLWPLS1
TO      6      ADD      BF--PPLWP3
FS      5      FKPP21    1      0      1 9999999 2 1 3 4 7 10
PX      2
IFPPWLPL 13000 XMONTH20120301 3      PPLWPLS2
TO      6      ADD      BF--PPLWP3
FS      5      FKPP21    1      0      1 9999999 2 1 3 0 7 10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFPPDPUL 20120301      PDPDPIN
TO      13      ADD      PPDPLWP2      CONT
TO      13      ADD      PPDPLSP2      CONT
TO      13      ADD      PDPDULS2      CONT
TO      16      MUL      MIDDRY
PX      2
***** SMALL AVERAGE *****
IFPPASPL 20120301      PPASPFIN
TO      13      ADD      PPAPLSW2      CONT
    
```

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TO 13 ADD PPASPSP2 CONT
TO 13 ADD PPASPLS2 CONT
TO 16 MUL MIDA VG
PX 2
***** LARGE AVERAGE *****
IFPPALPL 20120301 PPALPFIN
TO 13 ADD PPAPLLW2 CONT
TO 13 ADD PPALPSP2 CONT
TO 13 ADD PPALPLS2 CONT
TO 16 MUL MIDA VG
PX 2
***** SMALL WET*****
IFPPWSPL 20120301 PPWSPFIN
TO 13 ADD PPSW PWP2 CONT
TO 13 ADD PPSW PSP2 CONT
TO 13 ADD PPSW PLS2 CONT
TO 16 MUL MIDWET
PX 2
***** LARGE WET*****
IFPPWLPL 20120301 PPWLPFIN
TO 13 ADD PPLW PWP2 CONT
TO 13 ADD PPLW PSP2 CONT
TO 13 ADD PPLW PLS2 CONT
TO 16 MUL MIDWET
PX 2
**
**BRAZOS RIVER NEAR GLEN ROSE
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRGR 20120301 1.0000 DMRLBRGR SB3DUM
TO 2 1.0 BRGR30
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRF AKE08 XMONTH20120301 BF--GR-DP1
TO 2 ADD DAYSPY CONT
TO 2 SUB GRDFND
PX 2
WRF AKE08 XMONTH20120301 BF--GR-DP2
TO 6 ADD BF--GR-DP1 CONT
TO 2 DIV DAYSPY
PX 2
WRF AKE08 30364 GR-DRY20120301 BF--GR-DP3
TO 6 MUL BF--GR-DP2
PX 2
*****Avg Days SMALL PULSE*****
WRF AKE08 XMONTH20120301 BF--GRSAP1
TO 2 ADD DAYSPY CONT
TO 2 SUB GRASPD
PX 2
WRF AKE08 XMONTH20120301 BF--GRSAP2
TO 6 ADD BF--GRSAP1 CONT
TO 2 DIV DAYSPY
PX 2
WRF AKE08 57605 GR-AVG20120301 BF--GRSAP3
TO 6 MUL BF--GRSAP2
PX 2
*****Avg Days LARGE PULSE*****
WRF AKE08 XMONTH20120301 BF--GRLAP1
TO 2 ADD DAYSPY CONT
TO 2 SUB GRALPD
PX 2
WRF AKE08 XMONTH20120301 BF--GRLAP2
TO 6 ADD BF--GRLAP1 CONT
TO 2 DIV DAYSPY
PX 2
WRF AKE08 57605 GR-AVG20120301 BF--GRLAP3
TO 6 MUL BF--GRLAP2
PX 2
*****WET Days SMALL PULSE*****
WRF AKE08 XMONTH20120301 BF--GRSWP1
TO 2 ADD DAYSPY CONT
TO 2 SUB GRWSPD
PX 2
WRF AKE08 XMONTH20120301 BF--GRSWP2
TO 6 ADD BF--GRSWP1 CONT
TO 2 DIV DAYSPY
PX 2
WRF AKE08 118127 GR-WET20120301 BF--GRSWP3
TO 6 MUL BF--GRSWP2
PX 2

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```

*****WET Days LARGE PULSE*****
WRFK08      XMONTH20120301      BF--GRLWP1
TO 2      ADD      DAYSPLY      CONT
TO 2      SUB      GRWLPD
PX 2
WRFK08      XMONTH20120301      BF--GRLWP2
TO 6      ADD      BF--GRLWP1      CONT
TO 2      DIV      DAYSPLY
PX 2
WRFK08 118127 GR-WET20120301      BF--GRLWP3
TO 6      MUL      BF--GRLWP2
PX 2
*****set subsistence flow*****
IFGRSUBS 11571 GR-SUB20120301      GR-SUB1
TO 16      MUL      MIDDRY
PX 2
*****SET DRY BASE FLOW, *****
IFGR-DRY 30364 GR-DRY20120301      GR-DRY1
TO 16      MUL      MIDDRY
PX 2
WRGRNOSB 1 XMONTH20120301      GRNOSUB2
FS 12 MIDDRY 0 1 1 9999999 1
PX 2
WRFKGR01 20120301      HOLDGRBASE
TO 13      ADD      GR-DRY1
PX 2
WRFKGR02 20120301      GRONOFF
TO 2      ADD      BRGR30      CONT
TO 6      DIV      HOLDGRBASE      CONT
TO 6      ADD      GRNOSUB2
PX 2
IFGR-DRY 20120301      GR-DRY2
TO 13      ADD      GR-DRY1
FS 5 FKGR02 1 0 1 9999999 1
PX 2
IFGRSUBS GR-SUB20120301 2      GR-SUB2
TO 2      ADD      BRGR30      CONT
TO 13      SUB      GR-SUB1      CONT
TO 2      DIV      HALF      CONT
TO 13      ADD      GR-SUB1
FS 5 FKGR02 0 1 1 9999999 1
PX 2
IFGR-DRY 20120301      GR-DRY3
TO 13      ADD      GR-SUB2      CONT
TO 13      MAX      GR-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFGR-AVG 57605 GR-AVG20120301      GR-AVG
TO 16      MUL      MIDAVG
PX 2
*****SET WET BASE FLOW, *****
IFGR-WET 118127 GR-WET20120301      GR-WET
TO 16      MUL      MIDWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKGR02 5400 XMONTH20120301      FKGRDPLWP1
TO 6      ADD      BF--GR-DP3
PX 2
WRFKGR03 XMONTH20120301      GRDPWIRTRG
TO 2      ADD      BRGR30      CONT
TO 6      DIV      FKGRDPLWP1
PX 2
WRFKGR02 14300 XMONTH20120301      FKGRDPLSP1
TO 6      ADD      BF--GR-DP3
PX 2
WRFKGR04 XMONTH20120301      GRDPSPRTRG
TO 2      ADD      BRGR30      CONT
TO 6      DIV      FKGRDPLSP1
PX 2
**
WRFKGR02 7830 XMONTH20120301      FKGRDPULS1
TO 6      ADD      BF--GR-DP3
PX 2
**
WRFKGR05 XMONTH20120301      GRDPSUMTRG
TO 2      ADD      BRGR30      CONT
TO 6      DIV      FKGRDPULS1
PX 2
***** SMALL AVERAGE PULSE *****
WRFKGR06 5400 XMONTH20120301      FKGRAPLWP1
TO 6      ADD      BF--GRSAP3
PX 2

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WRFKGR07		XMONTH20120301		GRAPWIRTR1
TO	2	ADD	BRGR30	CONT
TO	6	DIV		FKGRAPLWP1
PX	2			
WRFKGR06	14300	XMONTH20120301		FKGRAPLSP1
TO	6	ADD		BF--GRSAP3
PX	2			
WRFKGR08		XMONTH20120301		GRAPSPRTR1
TO	2	ADD	BRGR30	CONT
TO	6	DIV		FKGRAPLSP1
PX	2			
**				
WRFKGR06	7830	XMONTH20120301		FKGRAPULS1
TO	6	ADD		BF--GRSAP3
PX	2			
**				
WRFKGR09		XMONTH20120301		GRAPSUMTR1
TO	2	ADD	BRGR30	CONT
TO	6	DIV		FKGRAPULS1
PX	2			
*****		LARGE AVERAGE PULSE		*****
WRFKGR10	10800	XMONTH20120301		FKGRAPLWP2
TO	6	ADD		BF--GRLAP3
PX	2			
WRFKGR11		XMONTH20120301		GRAPWIRTR2
TO	2	ADD	BRGR30	CONT
TO	6	DIV		FKGRAPLWP2
PX	2			
WRFKGR10	46700	XMONTH20120301		FKGRAPLSP2
TO	6	ADD		BF--GRLAP3
PX	2			
WRFKGR12		XMONTH20120301		GRAPSPRTR2
TO	2	ADD	BRGR30	CONT
TO	6	DIV		FKGRAPLSP2
PX	2			
**				
WRFKGR10	21200	XMONTH20120301		FKGRAPULS2
TO	6	ADD		BF--GRLAP3
PX	2			
**				
WRFKGR13		XMONTH20120301		GRAPSUMTR2
TO	2	ADD	BRGR30	CONT
TO	6	DIV		FKGRAPULS2
PX	2			
**				
*****		WET SMALL PULSE		*****
WRFKGR14	5400	XMONTH20120301		FKGRWPLWP1
TO	6	ADD		BF--GRSWP3
PX	2			
WRFKGR15		XMONTH20120301		GRWPWIRTR1
TO	2	ADD	BRGR30	CONT
TO	6	DIV		FKGRWPLWP1
PX	2			
WRFKGR14	14300	XMONTH20120301		FKGRWPLSP1
TO	6	ADD		BF--GRSWP3
PX	2			
WRFKGR16		XMONTH20120301		GRWPSRTR1
TO	2	ADD	BRGR30	CONT
TO	6	DIV		FKGRWPLSP1
PX	2			
**				
WRFKGR14	7830	XMONTH20120301		FKGRWPULS1
TO	6	ADD		BF--GRSWP3
PX	2			
**				
WRFKGR17		XMONTH20120301		GRWPSUMTR1
TO	2	ADD	BRGR30	CONT
TO	6	DIV		FKGRWPULS1
PX	2			
*****		WET LARGE PULSE		*****
WRFKGR18	10800	XMONTH20120301		FKGRWPLWP2
TO	6	ADD		BF--GRLWP3
PX	2			
WRFKGR19		XMONTH20120301		GRWPWIRTR2
TO	2	ADD	BRGR30	CONT
TO	6	DIV		FKGRWPLWP2
PX	2			
WRFKGR18	46700	XMONTH20120301		FKGRWPLSP2
TO	6	ADD		BF--GRLWP3
PX	2			
WRFKGR20		XMONTH20120301		GRWPSRTR2
TO	2	ADD	BRGR30	CONT
TO	6	DIV		FKGRWPLSP2
PX	2			

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```

**
WRFKGR18 21200 XMONTH20120301          FKGRWPULS2
TO 6          ADD                      BF--GRLWP3
PX 2
**
WRFKGR21          XMONTH20120301          GRWPSUMTR2
TO 2          ADD                      BRGR30          CONT
TO 6          DIV                      FKGRWPULS2
PX 2
**
    
```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

```

***** DRY *****
IFGRDPUL 5400 XMONTH20120301          GRDPLWP1
TO 6          ADD                      BF--GR-DP3
FS 5  FKGR03  1  0  1 9999999  2  1  2  4 11  2
PX 2
IFGRDPUL 5400 XMONTH20120301  3          GRDPLWP2
TO 6          ADD                      BF--GR-DP3
FS 5  FKGR03  1  0  1 9999999  2  1  2  0 11  2
PX 2
IFGRDPUL 14300 XMONTH20120301          GRDPLSP1
TO 6          ADD                      BF--GR-DP3
FS 5  FKGR04  1  0  1 9999999  2  1  2  4  3  6
PX 2
IFGRDPUL 14300 XMONTH20120301  3          GRDPLSP2
TO 6          ADD                      BF--GR-DP3
FS 5  FKGR04  1  0  1 9999999  2  1  2  0  3  6
PX 2
IFGRDPUL 7830 XMONTH20120301          GRDPULS1
TO 6          ADD                      BF--GR-DP3
FS 5  FKGR05  1  0  1 9999999  2  1  2  4  7 10
PX 2
IFGRDPUL 7830 XMONTH20120301  3          GRDPULS2
TO 6          ADD                      BF--GR-DP3
FS 5  FKGR05  1  0  1 9999999  2  1  2  0  7 10
PX 2
***** AVG SMALL PULSE*****
IFGRASPL 5400 XMONTH20120301          GRAPLSW1
TO 6          ADD                      BF--GRSAP3
FS 5  FKGR07  1  0  1 9999999  2  1  4  4 11  2
PX 2
IFGRASPL 5400 XMONTH20120301  3          GRAPLSW2
TO 6          ADD                      BF--GRSAP3
FS 5  FKGR07  1  0  1 9999999  2  1  4  0 11  2
PX 2
IFGRASPL 14300 XMONTH20120301          GRASPS1
TO 6          ADD                      BF--GRSAP3
FS 5  FKGR08  1  0  1 9999999  2  1  4  4  3  6
PX 2
IFGRASPL 14300 XMONTH20120301  3          GRASPS2
TO 6          ADD                      BF--GRSAP3
FS 5  FKGR08  1  0  1 9999999  2  1  4  0  3  6
PX 2
IFGRASPL 7830 XMONTH20120301          GRASPLS1
TO 6          ADD                      BF--GRSAP3
FS 5  FKGR09  1  0  1 9999999  2  1  4  4  7 10
PX 2
IFGRASPL 7830 XMONTH20120301  3          GRASPLS2
TO 6          ADD                      BF--GRSAP3
FS 5  FKGR09  1  0  1 9999999  2  1  4  0  7 10
PX 2
***** AVG LARGE PULSE*****
IFGRALPL 10800 XMONTH20120301          GRAPLLW1
TO 6          ADD                      BF--GRLAP3
FS 5  FKGR11  1  0  1 9999999  2  1  2  4 11  2
PX 2
IFGRALPL 10800 XMONTH20120301  3          GRAPLLW2
TO 6          ADD                      BF--GRLAP3
FS 5  FKGR11  1  0  1 9999999  2  1  2  0 11  2
PX 2
IFGRALPL 46700 XMONTH20120301          GRALPSP1
TO 6          ADD                      BF--GRLAP3
FS 5  FKGR12  1  0  1 9999999  2  1  2  4  3  6
PX 2
IFGRALPL 46700 XMONTH20120301  3          GRALPSP2
TO 6          ADD                      BF--GRLAP3
FS 5  FKGR12  1  0  1 9999999  2  1  2  0  3  6
PX 2
IFGRALPL 21200 XMONTH20120301          GRALPLS1
TO 6          ADD                      BF--GRLAP3
FS 5  FKGR13  1  0  1 9999999  2  1  2  4  7 10
PX 2
IFGRALPL 21200 XMONTH20120301  3          GRALPLS2
TO 6          ADD                      BF--GRLAP3
    
```


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```

FS 5 FKGR13 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** WET SMALL PULSE *****
IFGRWSPL 5400 XMONTH20120301 GRSWPWP1
TO 6 ADD BF--GRSWP3
FS 5 FKGR15 1 0 1 9999999 2 1 4 4 11 2
PX 2
IFGRWSPL 5400 XMONTH20120301 3 GRSWPWP2
TO 6 ADD BF--GRSWP3
FS 5 FKGR15 1 0 1 9999999 2 1 4 0 11 2
PX 2
IFGRWSPL 14300 XMONTH20120301 GRSWPSP1
TO 6 ADD BF--GRSWP3
FS 5 FKGR16 1 0 1 9999999 2 1 4 4 3 6
PX 2
IFGRWSPL 14300 XMONTH20120301 3 GRSWPSP2
TO 6 ADD BF--GRSWP3
FS 5 FKGR16 1 0 1 9999999 2 1 4 0 3 6
PX 2
IFGRWSPL 7830 XMONTH20120301 GRSWPLS1
TO 6 ADD BF--GRSWP3
FS 5 FKGR17 1 0 1 9999999 2 1 4 4 7 10
PX 2
IFGRWSPL 7830 XMONTH20120301 3 GRSWPLS2
TO 6 ADD BF--GRSWP3
FS 5 FKGR17 1 0 1 9999999 2 1 4 0 7 10
PX 2
***** WET LARGE PULSE*****
IFGRWLPL 10800 XMONTH20120301 GRLWPWP1
TO 6 ADD BF--GRLWP3
FS 5 FKGR19 1 0 1 9999999 2 1 3 4 11 2
PX 2
IFGRWLPL 10800 XMONTH20120301 3 GRLWPWP2
TO 6 ADD BF--GRLWP3
FS 5 FKGR19 1 0 1 9999999 2 1 3 0 11 2
PX 2
IFGRWLPL 46700 XMONTH20120301 GRLWPSP1
TO 6 ADD BF--GRLWP3
FS 5 FKGR20 1 0 1 9999999 2 1 3 4 3 6
PX 2
IFGRWLPL 46700 XMONTH20120301 3 GRLWPSP2
TO 6 ADD BF--GRLWP3
FS 5 FKGR20 1 0 1 9999999 2 1 3 0 3 6
PX 2
IFGRWLPL 21200 XMONTH20120301 GRLWPLS1
TO 6 ADD BF--GRLWP3
FS 5 FKGR21 1 0 1 9999999 2 1 3 4 7 10
PX 2
IFGRWLPL 21200 XMONTH20120301 3 GRLWPLS2
TO 6 ADD BF--GRSWP3
FS 5 FKGR21 1 0 1 9999999 2 1 3 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFGRDPUL 20120301 GRDPFIN
TO 13 ADD GRDPLWP2 CONT
TO 13 ADD GRDPLSP2 CONT
TO 13 ADD GRDPULS2 CONT
TO 16 MUL MIDDRY
PX 2
***** SMALL AVERAGE *****
IFGRASPL 20120301 GRASPFIN
TO 13 ADD GRAPLSW2 CONT
TO 13 ADD GRASPSP2 CONT
TO 13 ADD GRASPLS2 CONT
TO 16 MUL MIDAVG
PX 2
***** LARGE AVERAGE *****
IFGRALPL 20120301 GRALPFIN
TO 13 ADD GRAPLLW2 CONT
TO 13 ADD GRALFSP2 CONT
TO 13 ADD GRALPLS2 CONT
TO 16 MUL MIDAVG
PX 2
***** SMALL WET*****
IFGRWSPL 20120301 GRWSPFIN
TO 13 ADD GRSWPWP2 CONT
TO 13 ADD GRSWPSP2 CONT
TO 13 ADD GRSWPLS2 CONT
TO 16 MUL MIDWET
PX 2
***** LARGE WET*****
IFGRWLPL 20120301 GRWLPFIN
TO 13 ADD GRLWPWP2 CONT
    
```

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TO 13 ADD GRLWPSP2 CONT
TO 13 ADD GRLWPLS2 CONT
TO 16 MUL MIDWET
PX 2
**
** NORTH BOSQUE NEAR CLIFTON
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMNBCL 20120301 DMRLNBCL SB3DUM
TO 2 ADD NBCL36
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake09 XMONTH20120301 BF--NB-DP1
TO 2 ADD DAYSPY CONT
TO 2 SUB NBDFND
PX 2
WRFake09 XMONTH20120301 BF--NB-DP2
TO 6 ADD BF--NB-DP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake09 3612 NB-DRY20120301 BF--NB-DP3
TO 6 MUL BF--NB-DP2
PX 2
*****Avg Days*****
WRFake09 XMONTH20120301 BF--NB-AP1
TO 2 ADD DAYSPY CONT
TO 2 SUB NBAPND
PX 2
WRFake09 XMONTH20120301 BF--NB-AP2
TO 6 ADD BF--NB-AP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake09 8670 NB-AVG20120301 BF--NB-AP3
TO 6 MUL BF--NB-AP2
PX 2
*****WET Days*****
WRFake09 XMONTH20120301 BF--NB-WP1
TO 2 ADD DAYSPY CONT
TO 2 SUB NBWPNFND
PX 2
WRFake09 XMONTH20120301 BF--NB-WP2
TO 6 ADD BF--NB-WP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake09 18064 NB-WET20120301 BF--NB-WP3
TO 6 MUL BF--NB-WP2
PX 2
*****set subsistence flow*****
IFNBSUBS 723 NB-SUB20120301 NB-SUB1
TO 16 MUL LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFNB-DRY 3612 NB-DRY20120301 NB-DRY1
TO 16 MUL LOWDRY
PX 2
WRNBNOSB 1 XMONTH20120301 NBNOSUB2
FS 12 LOWDRY 0 1 1 9999999 1
PX 2
WRFKNB01 20120301 HOLDNBBASE
TO 13 ADD NB-DRY1
PX 2
WRFKNB02 20120301 NBNONOFF
TO 2 ADD NBCL36 CONT
TO 6 DIV HOLDNBBASE CONT
TO 6 ADD NBNOSUB2
PX 2
IFNB-DRY 20120301 NB-DRY2
TO 13 ADD NB-DRY1
FS 5 FKNB02 1 0 1 9999999 1
PX 2
IFNBSUBS NB-SUB20120301 2 NB-SUB2
TO 2 ADD NBCL36 CONT
TO 13 SUB NB-SUB1 CONT
TO 2 DIV HALF CONT
TO 13 ADD NB-SUB1
FS 5 FKNB02 0 1 1 9999999 1
PX 2
IFNB-DRY 20120301 NB-DRY3
TO 13 ADD NB-SUB2 CONT
TO 13 MAX NB-DRY2
    
```

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```

PX      2
*****SET AVG BASE FLOW, *****
IFNB-AVG      8670  NB-AVG20120301      NB-AVG
TO      16      MUL                      LOWAVG
PX      2
*****SET WET BASE FLOW, *****
IFNB-WET     18064  NB-WET20120301      NB-WET
TO      16      MUL                      LOWWET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKNB02     3490  XMONTH20120301      FKNBDPLSP1
TO      6      ADD                      BF--NB-DP3
PX      2
WRFKNB03      XMONTH20120301      NBDPSPRTRG
TO      2      ADD                      NBCL36      CONT
TO      6      DIV                      FKNBDPLSP1
PX      2
**
***** AVG *****
WRFKNB04     3490  XMONTH20120301      FKNBAPLSP1
TO      6      ADD                      BF--NB-AP3
PX      2
WRFKNB05      XMONTH20120301      NBAPSPRTRG
TO      2      ADD                      NBCL36      CONT
TO      6      DIV                      FKNBAPLSP1
PX      2
**
***** WET *****
WRFKNB06     750  XMONTH20120301      FKNBWPULW1
TO      6      ADD                      BF--NB-WP3
PX      2
WRFKNB07      XMONTH20120301      NBWPWIRTRG
TO      2      ADD                      NBCL36      CONT
TO      6      DIV                      FKNBWPULW1
PX      2
**
WRFKNB06     3490  XMONTH20120301      FKNBWFLSP1
TO      6      ADD                      BF--NB-WP3
PX      2
WRFKNB08      XMONTH20120301      NBWPSRTRG
TO      2      ADD                      NBCL36      CONT
TO      6      DIV                      FKNBWFLSP1
PX      2
**
WRFKNB06     500  XMONTH20120301      FKNBWPULS1
TO      6      ADD                      BF--NB-WP3
PX      2
**
WRFKNB09      XMONTH20120301      NBWPSUMTRG
TO      2      ADD                      NBCL36      CONT
TO      6      DIV                      FKNBWPULS1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season) *****
***** DRY *****
IFNBDPUL     3490  XMONTH20120301      NBDPLSP1
TO      6      ADD                      BF--NB-DP3
FS      5  FKNB03      1      0      1 9999999 2 1 1 4 3 6
PX      2
IFNBDPUL     3490  XMONTH20120301  3      NBDPLSP2
TO      6      ADD                      BF--NB-DP3
FS      5  FKNB03      1      0      1 9999999 2 1 1 0 3 6
PX      2
***** AVG *****
IFNBAPUL     3490  XMONTH20120301      NBAPLSP1
TO      6      ADD                      BF--NB-AP3
FS      5  FKNB05      1      0      1 9999999 2 1 3 4 3 6
PX      2
IFNBAPUL     3490  XMONTH20120301  3      NBAPLSP2
TO      6      ADD                      BF--NB-AP3
FS      5  FKNB05      1      0      1 9999999 2 1 3 0 3 6
PX      2
***** WET *****
IFNBWPUL     750  XMONTH20120301      NBWPULW1
TO      6      ADD                      BF--NB-WP3
FS      5  FKNB07      1      0      1 9999999 2 1 2 4 11 2
PX      2
IFNBWPUL     750  XMONTH20120301  3      NBWPULW2
TO      6      ADD                      BF--NB-WP3
FS      5  FKNB07      1      0      1 9999999 2 1 2 0 11 2
PX      2

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IFNBWPUL      3490  XMONTH20120301                NBWPLSP1
TO      6          ADD                            BF--NB-WP3
FS      5  FKNB08      1      0      1 9999999  2  1  3  4  3  6
PX      2
IFNBWPUL      3490  XMONTH20120301      3          NBWPLSP2
TO      6          ADD                            BF--NB-WP3
FS      5  FKNB08      1      0      1 9999999  2  1  3  0  3  6
PX      2
IFNBWPUL      500   XMONTH20120301                NBWPULS1
TO      6          ADD                            BF--NB-WP3
FS      5  FKNB09      1      0      1 9999999  2  1  2  4  7  10
PX      2
IFNBWPUL      500   XMONTH20120301      3          NBWPULS2
TO      6          ADD                            BF--NB-WP3
FS      5  FKNB09      1      0      1 9999999  2  1  2  0  7  10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFNBDFUL      20120301                NBDPFIN
TO      13         ADD                            NBDPLSP2  CONT
TO      16         MUL                            LOWDRY
PX      2
***** AVG *****
IFNBAPUL      20120301                NBAPFIN
TO      13         ADD                            NBAPLSP2  CONT
TO      16         MUL                            LOWAVG
PX      2
***** WET *****
IFNBWPUL      20120301                NBWPFIN
TO      13         ADD                            NBWPULW2  CONT
TO      13         ADD                            NBWPLSP2  CONT
TO      13         ADD                            NBWPULS2  CONT
TO      16         MUL                            LOWWET
PX      2
**
**BRAZOS RIVER NEAR WACO
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRWA      20120301      1.0000      DMRLBRWA  SB3DUM
TO      2      1.0      BRWA41
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE10      XMONTH20120301                BF--WA-DP1
TO      2          ADD                            DAYSPY      CONT
TO      2          SUB                            WADPND
PX      2
WRFAKE10      XMONTH20120301                BF--WA-DP2
TO      6          ADD                            BF--WA-DP1  CONT
TO      2          DIV                            DAYSPY
PX      2
WRFAKE10      98901  WA-DRY20120301                BF--WA-DP3
TO      6          MUL                            BF--WA-DP2
PX      2
*****Avg PULSE DAYS*****
WRFAKE10      XMONTH20120301                BF--WASAP1
TO      2          ADD                            DAYSPY      CONT
TO      2          SUB                            WAASPD
PX      2
WRFAKE10      XMONTH20120301                BF--WASAP2
TO      6          ADD                            BF--WASAP1  CONT
TO      2          DIV                            DAYSPY
PX      2
WRFAKE10      176106  WA-AVG20120301                BF--WASAP3
TO      6          MUL                            BF--WASAP2
PX      2
*****WET PULSE DAYS*****
WRFAKE10      XMONTH20120301                BF--WASWP1
TO      2          ADD                            DAYSPY      CONT
TO      2          SUB                            WAWSPD
PX      2
WRFAKE10      XMONTH20120301                BF--WASWP2
TO      6          ADD                            BF--WASWP1  CONT
TO      2          DIV                            DAYSPY
PX      2
WRFAKE10      424651  WA-WET20120301                BF--WASWP3
TO      6          MUL                            BF--WASWP2
PX      2
*****set subsistence flow*****
IFWASUBS      40499  WA-SUB20120301                WA-SUB1
TO      16         MUL                            LOWDRY
    
```

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```

PX      2
*****SET DRY BASE FLOW, *****
IFWA-DRY  98901  WA-DRY20120301  WA-DRY1
TO      16      MUL              LOWDRY
PX      2
WRWANOSB      1  XMONTH20120301  WANOSUB2
FS      12  LOWDRY      0      1      1  9999999  1
PX      2
WRFKWA01      20120301  HOLDWABASE
TO      13      ADD              WA-DRY1
PX      2
WRFKWA02      20120301  WAONOFF
TO      2      ADD              BRWA41  CONT
TO      6      DIV              HOLDWABASE  CONT
TO      6      ADD              WANOSUB2
PX      2
IFWA-DRY      20120301  WA-DRY2
TO      13      ADD              WA-DRY1
FS      5  FKWA02      1      0      1  9999999  1
PX      2
IFWASUBS      WA-SUB20120301  2  WA-SUB2
TO      2      ADD              BRWA41  CONT
TO      13      SUB              WA-SUB1  CONT
TO      2      DIV              HALF      CONT
TO      13      ADD              WA-SUB1
FS      5  FKWA02      0      1      1  9999999  1
PX      2
IFWA-DRY      20120301  WA-DRY3
TO      13      ADD              WA-SUB2  CONT
TO      13      MAX              WA-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFWA-AVG  176106  WA-AVG20120301  WA-AVG
TO      16      MUL              LOWAVG
PX      2
*****SET WET BASE FLOW, *****
IFWA-WET  424651  WA-WET20120301  WA-WET
TO      16      MUL              LOWWET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKWA02  12400  XMONTH20120301  FKWADPLWP1
TO      6      ADD              BF--WA-DP3
PX      2
WRFKWA03      XMONTH20120301  WADPWIRTRG
TO      2      ADD              BRWA41  CONT
TO      6      DIV              FKWADPLWP1
PX      2
WRFKWA02  32700  XMONTH20120301  FKWADPLSP1
TO      6      ADD              BF--WA-DP3
PX      2
WRFKWA04      XMONTH20120301  WADPSRTRG
TO      2      ADD              BRWA41  CONT
TO      6      DIV              FKWADPLSP1
PX      2
**
WRFKWA02  10500  XMONTH20120301  FKWADPULS1
TO      6      ADD              BF--WA-DP3
PX      2
**
WRFKWA05      XMONTH20120301  WADPSUMTRG
TO      2      ADD              BRWA41  CONT
TO      6      DIV              FKWADPULS1
PX      2
***** AVERAGE PULSE *****
WRFKWA06  12400  XMONTH20120301  FKWAAPLWP1
TO      6      ADD              BF--WASAP3
PX      2
WRFKWA07      XMONTH20120301  WAAPWIRTR1
TO      2      ADD              BRWA41  CONT
TO      6      DIV              FKWAAPLWP1
PX      2
WRFKWA06  32700  XMONTH20120301  FKWAAPLSP1
TO      6      ADD              BF--WASAP3
PX      2
WRFKWA08      XMONTH20120301  WAAPSPRTR2
TO      2      ADD              BRWA41  CONT
TO      6      DIV              FKWAAPLSP1
PX      2
**
WRFKWA06  10500  XMONTH20120301  FKWAAPULS1
TO      6      ADD              BF--WASAP3
PX      2

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**
WRFKWA09      XMONTH20120301      WAAPSUMTR1
TO 2          ADD          BRWA41          CONT
TO 6          DIV          FKWAAPULS1
PX 2
***** WET PULSE*****
WRFKWA10 25700 XMONTH20120301      FKWAWPLWP1
TO 6          ADD          BF--WASWP3
PX 2
WRFKWA11      XMONTH20120301      WAWPWIRTR1
TO 2          ADD          BRWA41          CONT
TO 6          DIV          FKWAWPLWP1
PX 2
WRFKWA10 102000 XMONTH20120301      FKWAWPLSP1
TO 6          ADD          BF--WASWP3
PX 2
WRFKWA12      XMONTH20120301      WAWPSRTR1
TO 2          ADD          BRWA41          CONT
TO 6          DIV          FKWAWPLSP1
PX 2
**
WRFKWA10 26400 XMONTH20120301      FKWAWPULS1
TO 6          ADD          BF--WASWP3
PX 2
**
WRFKWA13      XMONTH20120301      WAAPSUMTR1
TO 2          ADD          BRWA41          CONT
TO 6          DIV          FKWAWPULS1
PX 2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFWADPUL 12400 XMONTH20120301      WADPLWP1
TO 6          ADD          BF--WA-DP3
FS 5          FKWA03      1      0      1 9999999 2 1 1 4 11 2
PX 2
IFWADPUL 12400 XMONTH20120301 3      WADPLWP2
TO 6          ADD          BF--WA-DP3
FS 5          FKWA03      1      0      1 9999999 2 1 1 0 11 2
PX 2
IFWADPUL 32700 XMONTH20120301      WADPLSP1
TO 6          ADD          BF--WA-DP3
FS 5          FKWA04      1      0      1 9999999 2 1 1 4 3 6
PX 2
IFWADPUL 32700 XMONTH20120301 3      WADPLSP2
TO 6          ADD          BF--WA-DP3
FS 5          FKWA04      1      0      1 9999999 2 1 1 0 3 6
PX 2
IFWADPUL 10500 XMONTH20120301      WADPULS1
TO 6          ADD          BF--WA-DP3
FS 5          FKWA05      1      0      1 9999999 2 1 1 4 7 10
PX 2
IFWADPUL 10500 XMONTH20120301 3      WADPULS2
TO 6          ADD          BF--WA-DP3
FS 5          FKWA05      1      0      1 9999999 2 1 1 0 7 10
PX 2
***** AVG PULSE*****
IFWAASPL 12400 XMONTH20120301      WAAPLSW1
TO 6          ADD          BF--WASAP3
FS 5          FKWA07      1      0      1 9999999 2 1 3 4 11 2
PX 2
IFWAASPL 12400 XMONTH20120301 3      WAAPLSW2
TO 6          ADD          BF--WASAP3
FS 5          FKWA07      1      0      1 9999999 2 1 3 0 11 2
PX 2
IFWAASPL 32700 XMONTH20120301      WAASPS1
TO 6          ADD          BF--WASAP3
FS 5          FKWA08      1      0      1 9999999 2 1 3 4 3 6
PX 2
IFWAASPL 32700 XMONTH20120301 3      WAASPS2
TO 6          ADD          BF--WASAP3
FS 5          FKWA08      1      0      1 9999999 2 1 3 0 3 6
PX 2
IFWAASPL 10500 XMONTH20120301      WAASPLS1
TO 6          ADD          BF--WASAP3
FS 5          FKWA09      1      0      1 9999999 2 1 3 4 7 10
PX 2
IFWAASPL 10500 XMONTH20120301 3      WAASPLS2
TO 6          ADD          BF--WASAP3
FS 5          FKWA09      1      0      1 9999999 2 1 3 0 7 10
PX 2
***** WET PULSE *****
IFWAWSPUL 25700 XMONTH20120301      WASWPWP1
TO 6          ADD          BF--WASWP3

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FS 5 FKWA11 1 0 1 9999999 2 1 2 4 11 2
PX 2
IFWAWSP 25700 XMONTH20120301 3 WASWPWP2
TO 6 ADD BF--WASWP3
FS 5 FKWA11 1 0 1 9999999 2 1 2 0 11 2
PX 2
IFWAWSP 102000 XMONTH20120301 WASWPSP1
TO 6 ADD BF--WASWP3
FS 5 FKWA12 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFWAWSP 102000 XMONTH20120301 3 WASWPSP2
TO 6 ADD BF--WASWP3
FS 5 FKWA12 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFWAWSP 26400 XMONTH20120301 WASWPLS1
TO 6 ADD BF--WASWP3
FS 5 FKWA13 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFWAWSP 26400 XMONTH20120301 3 WASWPLS2
TO 6 ADD BF--WASWP3
FS 5 FKWA13 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFWADPUL 20120301 WADPFIN
TO 13 ADD WADPLWP2 CONT
TO 13 ADD WADPLSP2 CONT
TO 13 ADD WADPULS2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVERAGE *****
IFWAASPL 20120301 WAASPFIN
TO 13 ADD WAAPLSW2 CONT
TO 13 ADD WAASPS2 CONT
TO 13 ADD WAASPLS2 CONT
TO 16 MUL LOWAVG
PX 2
***** WET*****
IFWAWSP 20120301 WAWSPFIN
TO 13 ADD WASWPWP2 CONT
TO 13 ADD WASWPSP2 CONT
TO 13 ADD WASWPLS2 CONT
TO 16 MUL LOWWET
PX 2
**
** LEON RIVER AT GATESVILLE
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMLG 20120301 1.0000 DMRLEGT SB3DUM
TO 2 1.0 LEGT47
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake11 XMONTH20120301 BF--GT-DP1
TO 2 ADD DAYSPY CONT
TO 2 SUB GTDPND
PX 2
WRFake11 XMONTH20120301 BF--GT-DP2
TO 6 ADD BF--GT-DP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake11 5533 GT-DRY20120301 BF--GT-DP3
TO 6 MUL BF--GT-DP2
PX 2
*****Avg PULSE DAYS*****
WRFake11 XMONTH20120301 BF--GTSAP1
TO 2 ADD DAYSPY CONT
TO 2 SUB GTASPD
PX 2
WRFake11 XMONTH20120301 BF--GTSAP2
TO 6 ADD BF--GTSAP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake11 13482 GT-AVG20120301 BF--GTSAP3
TO 6 MUL BF--GTSAP2
PX 2
*****WET PULSE DAYS*****
WRFake11 XMONTH20120301 BF--GTSWP1
TO 2 ADD DAYSPY CONT
TO 2 SUB GTWSPD
PX 2
    
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WRFKGT01      XMONTH20120301      BF--GTSWP2
TO 6          ADD                    BF--GTSWP1  CONT
TO 2          DIV                    DAYSYP
PX 2
WRFKGT01      32001  GT-WET20120301      BF--GTSWP3
TO 6          MUL                    BF--GTSWP2
PX 2
*****set subsistence flow*****
IFGTSUBS      723  GT-SUB20120301      GT-SUB1
TO 16         MUL                    LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFGT-DRY      5533  GT-DRY20120301      GT-DRY1
TO 16         MUL                    LOWDRY
PX 2
WRGTNOSB      1  XMONTH20120301      GTNOSUB2
FS 12  LOWDRY  0  1  1 9999999  1
PX 2
WRFKGT01      20120301      HOLDGTBASE
TO 13         ADD                    GT-DRY1
PX 2
WRFKGT02      20120301      GTONOFF
TO 2          ADD                    LEGT47  CONT
TO 6          DIV                    HOLDGTBASE  CONT
TO 6          ADD                    GTNOSUB2
PX 2
IFGT-DRY      20120301      GT-DRY2
TO 13         ADD                    GT-DRY1
FS 5  FKGT02  1  0  1 9999999  1
PX 2
IFGTSUBS      GT-SUB20120301  2  GT-SUB2
TO 2          ADD                    LEGT47  CONT
TO 13         SUB                    GT-SUB1  CONT
TO 2          DIV                    HALF  CONT
TO 13         ADD                    GT-SUB1
FS 5  FKGT02  0  1  1 9999999  1
PX 2
IFGT-DRY      20120301      GT-DRY3
TO 13         ADD                    GT-SUB2  CONT
TO 13         MAX                    GT-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFGT-AVG      13482  GT-AVG20120301      GT-AVG
TO 16         MUL                    LOWAVG
PX 2
*****SET WET BASE FLOW, *****
IFGT-WET      32001  GT-WET20120301      GT-WET
TO 16         MUL                    LOWWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKGT02      0  XMONTH20120301      FKGTDPLWP1
TO 6          ADD                    BF--GT-DP3
PX 2
WRFKGT03      XMONTH20120301      GTDPWIRTRG
TO 2          ADD                    LEGT47  CONT
TO 6          DIV                    FKGTDPLWP1
PX 2
WRFKGT02      1910  XMONTH20120301      FKGTDPLSP1
TO 6          ADD                    BF--GT-DP3
PX 2
WRFKGT04      XMONTH20120301      GTDPSPRTRG
TO 2          ADD                    LEGT47  CONT
TO 6          DIV                    FKGTDPLSP1
PX 2
**
WRFKGT02      220  XMONTH20120301      FKGTDPULS1
TO 6          ADD                    BF--GT-DP3
PX 2
**
WRFKGT05      XMONTH20120301      GTDPSUMTRG
TO 2          ADD                    LEGT47  CONT
TO 6          DIV                    FKGTDPULS1
PX 2
***** AVERAGE PULSE *****
WRFKGT06      0  XMONTH20120301      FKGTAPLWP1
TO 6          ADD                    BF--GTSAP3
PX 2
WRFKGT07      XMONTH20120301      GTAPWIRTR1
TO 2          ADD                    LEGT47  CONT
TO 6          DIV                    FKGTAPLWP1
PX 2
WRFKGT06      1910  XMONTH20120301      FKGTAPLSP1
    
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TO      6      ADD      BF--GTSAP3
PX      2
WRFKGT08  XMONTH20120301      GTAPSPRTR2
TO      2      ADD      LEGT47      CONT
TO      6      DIV      FKGTAPLSP1
PX      2
**
WRFKGT06  220  XMONTH20120301      FKGTAPLSP1
TO      6      ADD      BF--GTSAP3
PX      2
**
WRFKGT09  XMONTH20120301      GTAPSUMTR1
TO      2      ADD      LEGT47      CONT
TO      6      DIV      FKGTAPLSP1
PX      2
***** WET PULSE*****
WRFKGT10  540  XMONTH20120301      FKGTPWLP1
TO      6      ADD      BF--GTSWP3
PX      2
WRFKGT11  XMONTH20120301      GTWPWIRTR1
TO      2      ADD      LEGT47      CONT
TO      6      DIV      FKGTPWLP1
PX      2
WRFKGT10  4050 XMONTH20120301      FKGTPWLP1
TO      6      ADD      BF--GTSWP3
PX      2
WRFKGT12  XMONTH20120301      GTWPSPRTR1
TO      2      ADD      LEGT47      CONT
TO      6      DIV      FKGTPWLP1
PX      2
**
WRFKGT10  600  XMONTH20120301      FKGTPWLP1
TO      6      ADD      BF--GTSWP3
PX      2
**
WRFKGT13  XMONTH20120301      GTWPSUMTR1
TO      2      ADD      LEGT47      CONT
TO      6      DIV      FKGTPWLP1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFGTDPL  1910  XMONTH20120301      GTDPLSP1
TO      6      ADD      BF--GT-DP3
FS      5  FKGT04      1      0      1 9999999 2 1 1 4 3 6
PX      2
IFGTDPL  1910  XMONTH20120301  3      GTDPLSP2
TO      6      ADD      BF--GT-DP3
FS      5  FKGT04      1      0      1 9999999 2 1 1 0 3 6
PX      2
IFGTDPL  220  XMONTH20120301      GTDPULS1
TO      6      ADD      BF--GT-DP3
FS      5  FKGT05      1      0      1 9999999 2 1 1 4 7 10
PX      2
IFGTDPL  220  XMONTH20120301  3      GTDPULS2
TO      6      ADD      BF--GT-DP3
FS      5  FKGT05      1      0      1 9999999 2 1 1 0 7 10
PX      2
***** AVG PULSE*****
IFGTASPL  1910  XMONTH20120301      GTASPS1
TO      6      ADD      BF--GTSAP3
FS      5  FKGT08      1      0      1 9999999 2 1 3 4 3 6
PX      2
IFGTASPL  1910  XMONTH20120301  3      GTASPS2
TO      6      ADD      BF--GTSAP3
FS      5  FKGT08      1      0      1 9999999 2 1 3 0 3 6
PX      2
IFGTASPL  220  XMONTH20120301      GTASPLS1
TO      6      ADD      BF--GTSAP3
FS      5  FKGT09      1      0      1 9999999 2 1 3 4 7 10
PX      2
IFGTASPL  220  XMONTH20120301  3      GTASPLS2
TO      6      ADD      BF--GTSAP3
FS      5  FKGT09      1      0      1 9999999 2 1 3 0 7 10
PX      2
***** WET PULSE *****
IFGTWSPL  540  XMONTH20120301      GTSWPWP1
TO      6      ADD      BF--GTSWP3
FS      5  FKGT11      1      0      1 9999999 2 1 2 4 11 2
PX      2
IFGTWSPL  540  XMONTH20120301  3      GTSWPWP2
TO      6      ADD      BF--GTSWP3
FS      5  FKGT11      1      0      1 9999999 2 1 2 0 11 2
PX      2

```

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```

IFGTWSPL 4050 XMONTH20120301          GTSWSPSP1
TO 6          ADD                      BF--GTSWP3
FS 5  FKGT12  1      0      1 9999999  2  1  2  4  3  6
PX 2
IFGTWSPL 4050 XMONTH20120301  3      GTSWSPSP2
TO 6          ADD                      BF--GTSWP3
FS 5  FKGT12  1      0      1 9999999  2  1  2  0  3  6
PX 2
IFGTWSPL 600  XMONTH20120301          GTSWPLS1
TO 6          ADD                      BF--GTSWP3
FS 5  FKGT13  1      0      1 9999999  2  1  2  4  7  10
PX 2
IFGTWSPL 600  XMONTH20120301  3      GTSWPLS2
TO 6          ADD                      BF--GTSWP3
FS 5  FKGT13  1      0      1 9999999  2  1  2  0  7  10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFGTD PUL      20120301          GTDPFIN
TO 13          ADD                      GTDPLSP2  CONT
TO 13          ADD                      GTDPULS2  CONT
TO 16          MUL                      LOWDRY
PX 2
***** AVERAGE *****
IFGTASPL      20120301          GTASPFIN
TO 13          ADD                      GTASPSP2  CONT
TO 13          ADD                      GTASPLS2  CONT
TO 16          MUL                      LOWAVG
PX 2
***** WET *****
IFGTWSPL      20120301          GTWSPFIN
TO 13          ADD                      GTSWPWP2  CONT
TO 13          ADD                      GTSWPSP2  CONT
TO 13          ADD                      GTSWPLS2  CONT
TO 16          MUL                      LOWWET
PX 2
** LITTLE RIVER NEAR KEMPNER
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMLAKE      20120301          1.0000          DMRLLAKE  SB3DUM
TO 2          1.0          LAKE50
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE12      XMONTH20120301          BF--LA-DP1
TO 2          ADD                      DAYSPY          CONT
TO 2          SUB                      LADPND
PX 2
WRFAKE12      XMONTH20120301          BF--LA-DP2
TO 6          ADD                      BF--LA-DP1  CONT
TO 2          DIV                      DAYSPY
PX 2
WRFAKE12 13255 LA-DRY20120301          BF--LA-DP3
TO 6          MUL                      BF--LA-DP2
PX 2
*****Avg PULSE DAYS*****
WRFAKE12      XMONTH20120301          BF--LASAP1
TO 2          ADD                      DAYSPY          CONT
TO 2          SUB                      LAAPND
PX 2
WRFAKE12      XMONTH20120301          BF--LASAP2
TO 6          ADD                      BF--LASAP1  CONT
TO 2          DIV                      DAYSPY
PX 2
WRFAKE12 19035 LA-AVG20120301          BF--LASAP3
TO 6          MUL                      BF--LASAP2
PX 2
*****WET PULSE DAYS*****
WRFAKE12      XMONTH20120301          BF--LASWP1
TO 2          ADD                      DAYSPY          CONT
TO 2          SUB                      LAWFPND
PX 2
WRFAKE12      XMONTH20120301          BF--LASWP2
TO 6          ADD                      BF--LASWP1  CONT
TO 2          DIV                      DAYSPY
PX 2
WRFAKE12 27466 LA-WET20120301          BF--LASWP3
TO 6          MUL                      BF--LASWP2
PX 2
*****set subsistence flow*****

```

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```

IFLASUBS      7232  LA-SUB20120301                LA-SUB1
TO 16          MUL                      LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFLA-DRY      13255 LA-DRY20120301                LA-DRY1
TO 16          MUL                      LOWDRY
PX 2
WRLANOSB      1    XMONTH20120301                LANOSUB2
FS 12  LOWDRY    0      1      1 9999999  1
PX 2
WRFKLA01      20120301                HOLDLABASE
TO 13          ADD                      LA-DRY1
PX 2
WRFKLA02      20120301                LAONOFF
TO 2          ADD                      LAKE50          CONT
TO 6          DIV                      HOLDLABASE        CONT
TO 6          ADD                      LANOSUB2
PX 2
IFLA-DRY      20120301                LA-DRY2
TO 13          ADD                      LA-DRY1
FS 5   FKLA02   1      0      1 9999999  1
PX 2
IFLASUBS      LA-SUB20120301  2                LA-SUB2
TO 2          ADD                      LAKE50          CONT
TO 13         SUB                      LA-SUB1        CONT
TO 2          DIV                      HALF           CONT
TO 13         ADD                      LA-SUB1
FS 5   FKLA02   0      1      1 9999999  1
PX 2
IFLA-DRY      20120301                LA-DRY3
TO 13          ADD                      LA-SUB2        CONT
TO 13         MAX                      LA-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFLA-AVG      19035 LA-AVG20120301                LA-AVG
TO 16          MUL                      LOWAVG
PX 2
*****SET WET BASE FLOW, *****
IFLA-WET      27466 LA-WET20120301                LA-WET
TO 16          MUL                      LOWWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKLA02      430  XMONTH20120301                FKLADPLWP1
TO 6          ADD                      BF--LA-DP3
PX 2
WRFKLA03      XMONTH20120301                LADPWIRTRG
TO 2          ADD                      LAKE50          CONT
TO 6          DIV                      FKLADPLWP1
PX 2
WRFKLA02      4020 XMONTH20120301                FKLADPLSP1
TO 6          ADD                      BF--LA-DP3
PX 2
WRFKLA04      XMONTH20120301                LADPSPRTRG
TO 2          ADD                      LAKE50          CONT
TO 6          DIV                      FKLADPLSP1
PX 2
**
WRFKLA02      270  XMONTH20120301                FKLADPULS1
TO 6          ADD                      BF--LA-DP3
PX 2
**
WRFKLA05      XMONTH20120301                LADPSUMTRG
TO 2          ADD                      LAKE50          CONT
TO 6          DIV                      FKLADPULS1
PX 2
***** AVERAGE PULSE *****
WRFKLA06      430  XMONTH20120301                FKLAAPLWP1
TO 6          ADD                      BF--LASAP3
PX 2
WRFKLA07      XMONTH20120301                LAAPWIRTR1
TO 2          ADD                      LAKE50          CONT
TO 6          DIV                      FKLAAPLWP1
PX 2
WRFKLA06      4020 XMONTH20120301                FKLAAPLSP1
TO 6          ADD                      BF--LASAP3
PX 2
WRFKLA08      XMONTH20120301                LAAPSPRTR2
TO 2          ADD                      LAKE50          CONT
TO 6          DIV                      FKLAAPLSP1
PX 2
**
WRFKLA06      270  XMONTH20120301                FKLAAPULS1

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```

TO      6          ADD          BF--LASAP3
PX      2
**
WRFKLA09      XMONTH20120301          LAAPSUMTR1
TO      2          ADD          LAKE50          CONT
TO      6          DIV          FKLAAPULS1
PX      2
***** WET PULSE*****
WRFKLA10      1150 XMONTH20120301          FKLAWPLWP1
TO      6          ADD          BF--LASWP3
PX      2
WRFKLA11      XMONTH20120301          LAWPWIRTR1
TO      2          ADD          LAKE50          CONT
TO      6          DIV          FKLAWPLWP1
PX      2
WRFKLA10      6860 XMONTH20120301          FKLAWPLSP1
TO      6          ADD          BF--LASWP3
PX      2
WRFKLA12      XMONTH20120301          LAWPSRTR1
TO      2          ADD          LAKE50          CONT
TO      6          DIV          FKLAWPLSP1
PX      2
**
WRFKLA10      680  XMONTH20120301          FKLAWPULS1
TO      6          ADD          BF--LASWP3
PX      2
**
WRFKLA13      XMONTH20120301          LAWPSUMTR1
TO      2          ADD          LAKE50          CONT
TO      6          DIV          FKLAWPULS1
PX      2
**
    
```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

***** DRY *****

```

IFLADPUL      430 XMONTH20120301          LADPLWP1
TO      6          ADD          BF--LA-DP3
FS      5      FKLA03      1      0      1 9999999 2 1 1 4 11 2
PX      2
IFLADPUL      430 XMONTH20120301      3          LADPLWP2
TO      6          ADD          BF--LA-DP3
FS      5      FKLA03      1      0      1 9999999 2 1 1 0 11 2
PX      2
IFLADPUL      4020 XMONTH20120301          LADPLSP1
TO      6          ADD          BF--LA-DP3
FS      5      FKLA04      1      0      1 9999999 2 1 1 4 3 6
PX      2
IFLADPUL      4020 XMONTH20120301      3          LADPLSP2
TO      6          ADD          BF--LA-DP3
FS      5      FKLA04      1      0      1 9999999 2 1 1 0 3 6
PX      2
IFLADPUL      270 XMONTH20120301          LADPULS1
TO      6          ADD          BF--LA-DP3
FS      5      FKLA05      1      0      1 9999999 2 1 1 4 7 10
PX      2
IFLADPUL      270 XMONTH20120301      3          LADPULS2
TO      6          ADD          BF--LA-DP3
FS      5      FKLA05      1      0      1 9999999 2 1 1 0 7 10
PX      2
    
```

***** AVG PULSE*****

```

IFLAASPL      430 XMONTH20120301          LAAPLSW1
TO      6          ADD          BF--LASAP3
FS      5      FKLA07      1      0      1 9999999 2 1 3 4 11 2
PX      2
IFLAASPL      430 XMONTH20120301      3          LAAPLSW2
TO      6          ADD          BF--LASAP3
FS      5      FKLA07      1      0      1 9999999 2 1 3 0 11 2
PX      2
IFLAASPL      4020 XMONTH20120301          LAASPS1
TO      6          ADD          BF--LASAP3
FS      5      FKLA08      1      0      1 9999999 2 1 3 4 3 6
PX      2
IFLAASPL      4020 XMONTH20120301      3          LAASPS2
TO      6          ADD          BF--LASAP3
FS      5      FKLA08      1      0      1 9999999 2 1 3 0 3 6
PX      2
IFLAASPL      270 XMONTH20120301          LAASPLS1
TO      6          ADD          BF--LASAP3
FS      5      FKLA09      1      0      1 9999999 2 1 3 4 7 10
PX      2
IFLAASPL      270 XMONTH20120301      3          LAASPLS2
TO      6          ADD          BF--LASAP3
FS      5      FKLA09      1      0      1 9999999 2 1 3 0 7 10
PX      2
    
```

***** WET PULSE *****

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```

IFLAWSPL 1150 XMONTH20120301 LASWPWP1
TO 6 ADD BF--LASWP3
FS 5 FKLA11 1 0 1 9999999 2 1 2 4 11 2
PX 2
IFLAWSPL 1150 XMONTH20120301 3 LASWPWP2
TO 6 ADD BF--LASWP3
FS 5 FKLA11 1 0 1 9999999 2 1 2 0 11 2
PX 2
IFLAWSPL 6860 XMONTH20120301 LASWPSP1
TO 6 ADD BF--LASWP3
FS 5 FKLA12 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFLAWSPL 6860 XMONTH20120301 3 LASWPSP2
TO 6 ADD BF--LASWP3
FS 5 FKLA12 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFLAWSPL 680 XMONTH20120301 LASWPLS1
TO 6 ADD BF--LASWP3
FS 5 FKLA13 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFLAWSPL 680 XMONTH20120301 3 LASWPLS2
TO 6 ADD BF--LASWP3
FS 5 FKLA13 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFLADPUL 20120301 LADPFIN
TO 13 ADD LADPLWP2 CONT
TO 13 ADD LADPLSP2 CONT
TO 13 ADD LADPULS2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVERAGE *****
IFLAASPL 20120301 LAAPFIN
TO 13 ADD LAAPLSW2 CONT
TO 13 ADD LAASPS2 CONT
TO 13 ADD LAASPLS2 CONT
TO 16 MUL LOWAVG
PX 2
***** WET *****
IFLAWSPL 20120301 LAWPFIN
TO 13 ADD LASWPWP2 CONT
TO 13 ADD LASWPSP2 CONT
TO 13 ADD LASWPLS2 CONT
TO 16 MUL LOWWET
PX 2
**
** LITTLE RIVER NEAR LITTLE RIVER
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMLRLR 20120301 1.0000 DMRLRLR SB3DUM
TO 2 1.0 LRLR53
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE13 XMONTH20120301 BF--LR-DP1
TO 2 ADD DAYSPY CONT
TO 2 SUB LRDPND
PX 2
WRFAKE13 XMONTH20120301 BF--LR-DP2
TO 6 ADD BF--LR-DP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFAKE13 62929 LR-DRY20120301 BF--LR-DP3
TO 6 MUL BF--LR-DP2
PX 2
*****Avg PULSE DAYS*****
WRFAKE13 XMONTH20120301 BF--LRSAP1
TO 2 ADD DAYSPY CONT
TO 2 SUB LRASPD
PX 2
WRFAKE13 XMONTH20120301 BF--LRSAP2
TO 6 ADD BF--LRSAP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFAKE13 91649 LR-AVG20120301 BF--LRSAP3
TO 6 MUL BF--LRSAP2
PX 2
*****WET PULSE DAYS*****
WRFAKE13 XMONTH20120301 BF--LRSWP1
TO 2 ADD DAYSPY CONT

```

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```

TO      2          SUB          LRWSPD
PX      2
WRFKLE13      XMONTH20120301          BF--LRSWP2
TO      6          ADD          BF--LRSWP1  CONT
TO      2          DIV          DAYSPY
PX      2
WRFKLE13  176076  LR-WET20120301          BF--LRSWP3
TO      6          MUL          BF--LRSWP2
PX      2
*****set subsistence flow*****
IFLRSUBS  39776  LR-SUB20120301          LR-SUB1
TO      16          MUL          LOWDRY
PX      2
*****SET DRY BASE FLOW, *****
IFLR-DRY  62929  LR-DRY20120301          LR-DRY1
TO      16          MUL          LOWDRY
PX      2
WRLRNOSB  1  XMONTH20120301          LRNOSUB2
FS      12  LOWDRY  0  1  1  9999999  1
PX      2
WRFKLR01          20120301          HOLDLRBASE
TO      13          ADD          LR-DRY1
PX      2
WRFKLR02          20120301          LRONOFF
TO      2          ADD          LRLR53          CONT
TO      6          DIV          HOLDLRBASE  CONT
TO      6          ADD          LRNOSUB2
PX      2
IFLR-DRY          20120301          LR-DRY2
TO      13          ADD          LR-DRY1
FS      5  FKLRO2  1  0  1  9999999  1
PX      2
IFLRSUBS          LR-SUB20120301  2          LR-SUB2
TO      2          ADD          LRLR53          CONT
TO      13          SUB          LR-SUB1  CONT
TO      2          DIV          HALF          CONT
TO      13          ADD          LR-SUB1
FS      5  FKLRO2  0  1  1  9999999  1
PX      2
IFLR-DRY          20120301          LR-DRY3
TO      13          ADD          LR-SUB2  CONT
TO      13          MAX          LR-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFLR-AVG  91649  LR-AVG20120301          LR-AVG
TO      16          MUL          LOWAVG
PX      2
*****SET WET BASE FLOW, *****
IFLR-WET  176076  LR-WET20120301          LR-WET
TO      16          MUL          LOWWET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKLR02  2350  XMONTH20120301          FKLRDPLWP1
TO      6          ADD          BF--LR-DP3
PX      2
WRFKLR03          XMONTH20120301          LRDPWIRTRG
TO      2          ADD          LRLR53          CONT
TO      6          DIV          FKLRDPLWP1
PX      2
WRFKLR02  9760  XMONTH20120301          FKLRDPLSP1
TO      6          ADD          BF--LR-DP3
PX      2
WRFKLR04          XMONTH20120301          LRDPSPRTRG
TO      2          ADD          LRLR53          CONT
TO      6          DIV          FKLRDPLSP1
PX      2
**
WRFKLR02  1560  XMONTH20120301          FKLRDPULS1
TO      6          ADD          BF--LR-DP3
PX      2
**
WRFKLR05          XMONTH20120301          LRDPSUMTRG
TO      2          ADD          LRLR53          CONT
TO      6          DIV          FKLRDPULS1
PX      2
***** AVERAGE PULSE *****
WRFKLR06  2350  XMONTH20120301          FKLRAPLWP1
TO      6          ADD          BF--LRSAP3
PX      2
WRFKLR07          XMONTH20120301          LRAPWIRTR1
TO      2          ADD          LRLR53          CONT
TO      6          DIV          FKLRAPLWP1
    
```

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```

PX      2
WRFKLR06  9760  XMONTH20120301          FKLRLPLSP1
TO      6          ADD                      BF--LRSAP3
PX      2
WRFKLR08          XMONTH20120301          LRAPSFRTR2
TO      2          ADD          LRLR53          CONT
TO      6          DIV                      FKLRLPLSP1
PX      2
**
WRFKLR06  1560  XMONTH20120301          FKLRLPULS1
TO      6          ADD                      BF--LRSAP3
PX      2
**
WRFKLR09          XMONTH20120301          LRAPSUMTR1
TO      2          ADD          LRLR53          CONT
TO      6          DIV                      FKLRLPULS1
PX      2
***** WET PULSE*****
WRFKLR10  11800 XMONTH20120301          FKLRLWPLWP1
TO      6          ADD                      BF--LRSWP3
PX      2
WRFKLR11          XMONTH20120301          LRWPWIRTR1
TO      2          ADD          LRLR53          CONT
TO      6          DIV                      FKLRLWPLWP1
PX      2
WRFKLR10  32200 XMONTH20120301          FKLRLWPLSP1
TO      6          ADD                      BF--LRSWP3
PX      2
WRFKLR12          XMONTH20120301          LRWPSFRTR1
TO      2          ADD          LRLR53          CONT
TO      6          DIV                      FKLRLWPLSP1
PX      2
**
WRFKLR10  5890  XMONTH20120301          FKLRLWPULS1
TO      6          ADD                      BF--LRSWP3
PX      2
**
WRFKLR13          XMONTH20120301          LRWPSUMTR1
TO      2          ADD          LRLR53          CONT
TO      6          DIV                      FKLRLWPULS1
PX      2
**

```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

```

***** DRY *****
IFLRDPUL  2350  XMONTH20120301          LRDPLWP1
TO      6          ADD                      BF--LR-DP3
FS      5  FKLRO3      1      0      1 9999999  2  1  1  4 11  2
PX      2
IFLRDPUL  2350  XMONTH20120301  3          LRDPLWP2
TO      6          ADD                      BF--LR-DP3
FS      5  FKLRO3      1      0      1 9999999  2  1  1  0 11  2
PX      2
IFLRDPUL  9760  XMONTH20120301          LRDPLSP1
TO      6          ADD                      BF--LR-DP3
FS      5  FKLRO4      1      0      1 9999999  2  1  1  4  3  6
PX      2
IFLRDPUL  9760  XMONTH20120301  3          LRDPLSP2
TO      6          ADD                      BF--LR-DP3
FS      5  FKLRO4      1      0      1 9999999  2  1  1  0  3  6
PX      2
IFLRDPUL  1560  XMONTH20120301          LRDPLS1
TO      6          ADD                      BF--LR-DP3
FS      5  FKLRO5      1      0      1 9999999  2  1  1  4  7 10
PX      2
IFLRDPUL  1560  XMONTH20120301  3          LRDPLS2
TO      6          ADD                      BF--LR-DP3
FS      5  FKLRO5      1      0      1 9999999  2  1  1  0  7 10
PX      2
***** AVG PULSE*****
IFLRASPL  2350  XMONTH20120301          LRAPLSW1
TO      6          ADD                      BF--LRSAP3
FS      5  FKLRO7      1      0      1 9999999  2  1  3  4 11  2
PX      2
IFLRASPL  2350  XMONTH20120301  3          LRAPLSW2
TO      6          ADD                      BF--LRSAP3
FS      5  FKLRO7      1      0      1 9999999  2  1  3  0 11  2
PX      2
IFLRASPL  9760  XMONTH20120301          LRASPS1
TO      6          ADD                      BF--LRSAP3
FS      5  FKLRO8      1      0      1 9999999  2  1  3  4  3  6
PX      2
IFLRASPL  9760  XMONTH20120301  3          LRASPS2
TO      6          ADD                      BF--LRSAP3
FS      5  FKLRO8      1      0      1 9999999  2  1  3  0  3  6
PX      2

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```

PX      2
IFLRASPL 1560 XMONTH20120301          LRASPLS1
TO      6          ADD                  BF--LRSAP3
FS      5 FKLRO9      1      0      1 9999999 2 1 3 4 7 10
PX      2
IFLRASPL 1560 XMONTH20120301  3          LRASPLS2
TO      6          ADD                  BF--LRSAP3
FS      5 FKLRO9      1      0      1 9999999 2 1 3 0 7 10
PX      2
***** WET PULSE *****
IFLRWSPL 11800 XMONTH20120301          LRSWPWP1
TO      6          ADD                  BF--LRSWP3
FS      5 FKLRL1      1      0      1 9999999 2 1 2 4 11 2
PX      2
IFLRWSPL 11800 XMONTH20120301  3          LRSWPWP2
TO      6          ADD                  BF--LRSWP3
FS      5 FKLRL1      1      0      1 9999999 2 1 2 0 11 2
PX      2
IFLRWSPL 32200 XMONTH20120301          LRSWPSP1
TO      6          ADD                  BF--LRSWP3
FS      5 FKLRL2      1      0      1 9999999 2 1 2 4 3 6
PX      2
IFLRWSPL 32200 XMONTH20120301  3          LRSWPSP2
TO      6          ADD                  BF--LRSWP3
FS      5 FKLRL2      1      0      1 9999999 2 1 2 0 3 6
PX      2
IFLRWSPL 5890 XMONTH20120301          LRSWPLS1
TO      6          ADD                  BF--LRSWP3
FS      5 FKLRL3      1      0      1 9999999 2 1 2 4 7 10
PX      2
IFLRWSPL 5890 XMONTH20120301  3          LRSWPLS2
TO      6          ADD                  BF--LRSWP3
FS      5 FKLRL3      1      0      1 9999999 2 1 2 0 7 10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFLRDPUL 20120301          LRDPFIN
TO      13          ADD                  LRDPLWP2  CONT
TO      13          ADD                  LRDPLSP2  CONT
TO      13          ADD                  LRDPLS2  CONT
TO      16          MUL                  LOWDRY
PX      2
***** AVERAGE *****
IFLRASPL 20120301          LRASPFIN
TO      13          ADD                  LRAPLSW2  CONT
TO      13          ADD                  LRASPSP2  CONT
TO      13          ADD                  LRASPLS2  CONT
TO      16          MUL                  LOWAVG
PX      2
***** WET *****
IFLRWSPL 20120301          LRWSPFIN
TO      13          ADD                  LRSWPWP2  CONT
TO      13          ADD                  LRSWPSP2  CONT
TO      13          ADD                  LRSWPLS2  CONT
TO      16          MUL                  LOWWET
PX      2
**
** LITTLE RIVER NEAR CAMERON
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMLRCA 20120301          1.0000          DMRLLRCA  SB3DUM
TO      2      1.0          LRCA58
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE14 XMONTH20120301          BF--CA-DP1
TO      2          ADD                  DAYSPY          CONT
TO      2          SUB                  CADPND
PX      2
WRFAKE14 XMONTH20120301          BF--CA-DP2
TO      6          ADD                  BF--CA-DP1  CONT
TO      2          DIV                  DAYSPY
PX      2
WRFAKE14 83632 CA-DRY20120301          BF--CA-DP3
TO      6          MUL                  BF--CA-DP2
PX      2
*****Avg PULSE DAYS*****
WRFAKE14 XMONTH20120301          BF--CASAP1
TO      2          ADD                  DAYSPY          CONT
TO      2          SUB                  CAASPD
PX      2
    
```


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```

WRFKA01 159088 XMONTH20120301          BF--CASAP2
TO 6          ADD                      BF--CASAP1  CONT
TO 2          DIV                      DAYSPLY
PX 2
WRFKA01 159088 CA-AVG20120301          BF--CASAP3
TO 6          MUL                      BF--CASAP2
PX 2
*****WET PULSE DAYS*****
WRFKA01 159088 XMONTH20120301          BF--CASWP1
TO 6          ADD                      DAYSPLY          CONT
TO 2          SUB                      CAWSPD
PX 2
WRFKA01 159088 XMONTH20120301          BF--CASWP2
TO 6          ADD                      BF--CASWP1  CONT
TO 2          DIV                      DAYSPLY
PX 2
WRFKA01 373478 CA-WET20120301          BF--CASWP3
TO 6          MUL                      BF--CASWP2
PX 2
*****set subsistence flow*****
IFCASUBS 23142 CA-SUB20120301          CA-SUB1
TO 16         MUL                      LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFCA-DRY 83632 CA-DRY20120301          CA-DRY1
TO 16         MUL                      LOWDRY
PX 2
WRCANOSB 1 XMONTH20120301          CANOSUB2
FS 12 LOWDRY 0 1 1 9999999 1
PX 2
WRFKA01 20120301          HOLDCABASE
TO 13         ADD                      CA-DRY1
PX 2
WRFKA02 20120301          CAONOFF
TO 2          ADD                      LRCA58          CONT
TO 6          DIV                      HOLDCABASE  CONT
TO 6          ADD                      CANOSUB2
PX 2
IFCA-DRY 20120301          CA-DRY2
TO 13         ADD                      CA-DRY1
FS 5 FKCA02 1 0 1 9999999 1
PX 2
IFCASUBS CA-SUB20120301 2          CA-SUB2
TO 2          ADD                      LRCA58          CONT
TO 13         SUB                      CA-SUB1          CONT
TO 2          DIV                      HALF           CONT
TO 13         ADD                      CA-SUB1
FS 5 FKCA02 0 1 1 9999999 1
PX 2
IFCA-DRY 20120301          CA-DRY3
TO 13         ADD                      CA-SUB2          CONT
TO 13         MAX                      CA-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFCA-AVG 159088 CA-AVG20120301          CA-AVG
TO 16         MUL                      LOWAVG
PX 2
*****SET WET BASE FLOW, *****
IFCA-WET 373478 CA-WET20120301          CA-WET
TO 16         MUL                      LOWWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKA02 6680 XMONTH20120301          FKCADPLWP1
TO 6          ADD                      BF--CA-DP3
PX 2
WRFKA03 XMONTH20120301          CADPWIRTRG
TO 2          ADD                      LRCA58          CONT
TO 6          DIV                      FKCADPLWP1
PX 2
WRFKA02 23900 XMONTH20120301          FKCADPLSP1
TO 6          ADD                      BF--CA-DP3
PX 2
WRFKA04 XMONTH20120301          CADPSPRTRG
TO 2          ADD                      LRCA58          CONT
TO 6          DIV                      FKCADPLSP1
PX 2
**
WRFKA02 2860 XMONTH20120301          FKCADPULS1
TO 6          ADD                      BF--CA-DP3
PX 2
**
WRFKA05 XMONTH20120301          CADPSUMTRG
    
```

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TO      2      ADD      LRCA58      CONT
TO      6      DIV      FKCADPULS1
PX      2
***** AVERAGE PULSE *****
WRFKCA06  6680  XMONTH20120301      FKCAAPLWP1
TO      6      ADD      BF--CASAP3
PX      2
WRFKCA07      XMONTH20120301      CAAPWIRTR1
TO      2      ADD      LRCA58      CONT
TO      6      DIV      FKCAAPLWP1
PX      2
WRFKCA06  23900 XMONTH20120301      FKCAAPLSP1
TO      6      ADD      BF--CASAP3
PX      2
WRFKCA08      XMONTH20120301      CAAPSPRTR2
TO      2      ADD      LRCA58      CONT
TO      6      DIV      FKCAAPLSP1
PX      2
**
WRFKCA06  2860  XMONTH20120301      FKCAAPULS1
TO      6      ADD      BF--CASAP3
PX      2
**
WRFKCA09      XMONTH20120301      CAAPSUMTR1
TO      2      ADD      LRCA58      CONT
TO      6      DIV      FKCAAPULS1
PX      2
***** WET PULSE*****
WRFKCA10  14900 XMONTH20120301      FKCAWPLWP1
TO      6      ADD      BF--CASWP3
PX      2
WRFKCA11      XMONTH20120301      CAWPWIRTR1
TO      2      ADD      LRCA58      CONT
TO      6      DIV      FKCAWPLWP1
PX      2
WRFKCA10  38400 XMONTH20120301      FKCAWPLSP1
TO      6      ADD      BF--CASWP3
PX      2
WRFKCA12      XMONTH20120301      CAWPSPRTR1
TO      2      ADD      LRCA58      CONT
TO      6      DIV      FKCAWPLSP1
PX      2
**
WRFKCA10  5550  XMONTH20120301      FKCAWPULS1
TO      6      ADD      BF--CASWP3
PX      2
**
WRFKCA13      XMONTH20120301      CAWPUMTR1
TO      2      ADD      LRCA58      CONT
TO      6      DIV      FKCAWPULS1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFCADPUL  6680  XMONTH20120301      CADPLWP1
TO      6      ADD      BF--CA-DP3
FS      5  FKCA03      1      0      1 9999999 2 1 1 4 11 2
PX      2
IFCADPUL  6680  XMONTH20120301  3      CADPLWP2
TO      6      ADD      BF--CA-DP3
FS      5  FKCA03      1      0      1 9999999 2 1 1 0 11 2
PX      2
IFCADPUL  23900 XMONTH20120301      CADPLSP1
TO      6      ADD      BF--CA-DP3
FS      5  FKCA04      1      0      1 9999999 2 1 1 4 3 6
PX      2
IFCADPUL  23900 XMONTH20120301  3      CADPLSP2
TO      6      ADD      BF--CA-DP3
FS      5  FKCA04      1      0      1 9999999 2 1 1 0 3 6
PX      2
IFCADPUL  2860  XMONTH20120301      CADPULS1
TO      6      ADD      BF--CA-DP3
FS      5  FKCA05      1      0      1 9999999 2 1 1 4 7 10
PX      2
IFCADPUL  2860  XMONTH20120301  3      CADPULS2
TO      6      ADD      BF--CA-DP3
FS      5  FKCA05      1      0      1 9999999 2 1 1 0 7 10
PX      2
***** AVG PULSE*****
IFCAASPL  6680  XMONTH20120301      CAAPLSW1
TO      6      ADD      BF--CASAP3
FS      5  FKCA07      1      0      1 9999999 2 1 3 4 11 2
PX      2
IFCAASPL  6680  XMONTH20120301  3      CAAPLSW2

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TO      6          ADD                      BF--CASAP3
FS      5  FKCA07      1      0      1 9999999 2 1 3 0 11 2
PX      2
IFCAASPL 23900 XMONTH20120301          CAASPSP1
TO      6          ADD                      BF--CASAP3
FS      5  FKCA08      1      0      1 9999999 2 1 3 4 3 6
PX      2
IFCAASPL 23900 XMONTH20120301 3          CAASPSP2
TO      6          ADD                      BF--CASAP3
FS      5  FKCA08      1      0      1 9999999 2 1 3 0 3 6
PX      2
IFCAASPL 2860 XMONTH20120301          CAASPLS1
TO      6          ADD                      BF--CASAP3
FS      5  FKCA09      1      0      1 9999999 2 1 3 4 7 10
PX      2
IFCAASPL 2860 XMONTH20120301 3          CAASPLS2
TO      6          ADD                      BF--CASAP3
FS      5  FKCA09      1      0      1 9999999 2 1 3 0 7 10
PX      2
***** WET PULSE *****
IFCAWSPL 14900 XMONTH20120301          CASWPWP1
TO      6          ADD                      BF--CASWP3
FS      5  FKCA11      1      0      1 9999999 2 1 2 4 11 2
PX      2
IFCAWSPL 14900 XMONTH20120301 3          CASWPWP2
TO      6          ADD                      BF--CASWP3
FS      5  FKCA11      1      0      1 9999999 2 1 2 0 11 2
PX      2
IFCAWSPL 38400 XMONTH20120301          CASWPSP1
TO      6          ADD                      BF--CASWP3
FS      5  FKCA12      1      0      1 9999999 2 1 2 4 3 6
PX      2
IFCAWSPL 38400 XMONTH20120301 3          CASWPSP2
TO      6          ADD                      BF--CASWP3
FS      5  FKCA12      1      0      1 9999999 2 1 2 0 3 6
PX      2
IFCAWSPL 5550 XMONTH20120301          CASWPLS1
TO      6          ADD                      BF--CASWP3
FS      5  FKCA13      1      0      1 9999999 2 1 2 4 7 10
PX      2
IFCAWSPL 5550 XMONTH20120301 3          CASWPLS2
TO      6          ADD                      BF--CASWP3
FS      5  FKCA13      1      0      1 9999999 2 1 2 0 7 10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFCADPUL 20120301          CADPFIN
TO      13          ADD                      CADPLWP2  CONT
TO      13          ADD                      CADPLSP2  CONT
TO      13          ADD                      CADPULS2  CONT
TO      16          MUL                      LOWDRY
PX      2
***** AVERAGE *****
IFCAASPL 20120301          CAASPFIN
TO      13          ADD                      CAAPLSW2  CONT
TO      13          ADD                      CAASPSP2  CONT
TO      13          ADD                      CAASPLS2  CONT
TO      16          MUL                      LOWAVG
PX      2
***** WET*****
IFCAWSPL 20120301          CAWSPFIN
TO      13          ADD                      CASWPWP2  CONT
TO      13          ADD                      CASWPSP2  CONT
TO      13          ADD                      CASWPLS2  CONT
TO      16          MUL                      LOWWET
PX      2
**BRAZOS RIVER NEAR BRYAN
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRBR 20120301 1.0000          DMRLBRBR  SB3DUM
TO      2      1.0          BRBR59
PX      2
**FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE15 XMONTH20120301          BF--BR-DP1
TO      2          ADD                      DAYSPY          CONT
TO      2          SUB                      BRDPND
PX      2
WRFAKE15 XMONTH20120301          BF--BR-DP2
TO      6          ADD                      BF--BR-DP1  CONT

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TO      2          DIV          DAYSPY
PX      2
WRFK15  453509 BR-DRY20120301          BF--BR-DP3
TO      6          MUL          BF--BR-DP2
PX      2
*****Avg PULSE DAYS*****
WRFK15  XMONTH20120301          BF--BRSAP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          BRASPD
PX      2
WRFK15  XMONTH20120301          BF--BRSAP2
TO      6          ADD          BF--BRSAP1          CONT
TO      2          DIV          DAYSPY
PX      2
WRFK15  733184 BR-AVG20120301          BF--BRSAP3
TO      6          MUL          BF--BRSAP2
PX      2
*****WET PULSE DAYS*****
WRFK15  XMONTH20120301          BF--BRSWP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          BRWSPD
PX      2
WRFK15  XMONTH20120301          BF--BRSWP2
TO      6          ADD          BF--BRSWP1          CONT
TO      2          DIV          DAYSPY
PX      2
WRFK15  1371289 BR-WET20120301          BF--BRSWP3
TO      6          MUL          BF--BRSWP2
PX      2
*****set subsistence flow*****
IFBRSUBS 216959 BR-SUB20120301          BR-SUB1
TO      16         MUL          LOWDRY
PX      2
*****SET DRY BASE FLOW, *****
IFBR-DRY 453509 BR-DRY20120301          BR-DRY1
TO      16         MUL          LOWDRY
PX      2
WRBRNOSB 1 XMONTH20120301          BRNOSUB2
FS      12         LOWDRY 0 1 1 9999999 1
PX      2
WRFKBR01 20120301          HOLDBRBASE
TO      13         ADD          BR-DRY1
PX      2
WRFKBR02 20120301          BRONOFF
TO      2          ADD          BRBR59          CONT
TO      6          DIV          HOLDBRBASE          CONT
TO      6          ADD          BRNOSUB2
PX      2
IFBR-DRY 20120301          BR-DRY2
TO      13         ADD          BR-DRY1
FS      5          FKBR02 1 0 1 9999999 1
PX      2
IFBRSUBS BR-SUB20120301 2          BR-SUB2
TO      2          ADD          BRBR59          CONT
TO      13         SUB          BR-SUB1          CONT
TO      2          DIV          HALF          CONT
TO      13         ADD          BR-SUB1
FS      5          FKBR02 0 1 1 9999999 1
PX      2
IFBR-DRY 20120301          BR-DRY3
TO      13         ADD          BR-SUB2          CONT
TO      13         MAX          BR-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFBR-AVG 733184 BR-AVG20120301          BR-AVG
TO      16         MUL          LOWAVG
PX      2
*****SET WET BASE FLOW, *****
IFBR-WET 1371289 BR-WET20120301          BR-WET
TO      16         MUL          LOWWET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKBR02 21100 XMONTH20120301          FKBRDPLWP1
TO      6          ADD          BF--BR-DP3
PX      2
WRFKBR03 XMONTH20120301          BRDPWIRTRG
TO      2          ADD          BRBR59          CONT
TO      6          DIV          FKBRDPLWP1
PX      2
WRFKBR02 49000 XMONTH20120301          FKBRDPLSP1
TO      6          ADD          BF--BR-DP3
PX      2

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WRFKBR04      XMONTH20120301      BRDPSRTRG
TO 2          ADD          BRBR59          CONT
TO 6          DIV          FKBRDPLSP1
PX 2
**
WRFKBR02 12700 XMONTH20120301      FKBRDPULS1
TO 6          ADD          BF--BR-DP3
PX 2
**
WRFKBR05      XMONTH20120301      BRDPSUMTRG
TO 2          ADD          BRBR59          CONT
TO 6          DIV          FKBRDPULS1
PX 2
***** AVERAGE PULSE *****
WRFKBR06 21100 XMONTH20120301      FKBRAPLWP1
TO 6          ADD          BF--BRSAP3
PX 2
WRFKBR07      XMONTH20120301      BRAPWIRTR1
TO 2          ADD          BRBR59          CONT
TO 6          DIV          FKBRAPLWP1
PX 2
WRFKBR06 49000 XMONTH20120301      FKBRAPLSP1
TO 6          ADD          BF--BRSAP3
PX 2
WRFKBR08      XMONTH20120301      BRAPSPRTR2
TO 2          ADD          BRBR59          CONT
TO 6          DIV          FKBRAPLSP1
PX 2
**
WRFKBR06 12700 XMONTH20120301      FKBRAPULS1
TO 6          ADD          BF--BRSAP3
PX 2
**
WRFKBR09      XMONTH20120301      BRAPSUMTR1
TO 2          ADD          BRBR59          CONT
TO 6          DIV          FKBRAPULS1
PX 2
***** WET PULSE*****
WRFKBR10 41900 XMONTH20120301      FKBRWPLWP1
TO 6          ADD          BF--BRSWP3
PX 2
WRFKBR11      XMONTH20120301      BRWPWIRTR1
TO 2          ADD          BRBR59          CONT
TO 6          DIV          FKBRWPLWP1
PX 2
WRFKBR10 97000 XMONTH20120301      FKBRWPLSP1
TO 6          ADD          BF--BRSWP3
PX 2
WRFKBR12      XMONTH20120301      BRWPSRTR1
TO 2          ADD          BRBR59          CONT
TO 6          DIV          FKBRWPLSP1
PX 2
**
WRFKBR10 20100 XMONTH20120301      FKBRWPULS1
TO 6          ADD          BF--BRSWP3
PX 2
**
WRFKBR13      XMONTH20120301      BRWPSUMTR1
TO 2          ADD          BRBR59          CONT
TO 6          DIV          FKBRWPULS1
PX 2
**

```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

```

***** DRY *****
IFBRDPUL 21100 XMONTH20120301      BRDPLWP1
TO 6          ADD          BF--BR-DP3
FS 5 FKBR03 1 0 1 9999999 2 1 1 4 11 2
PX 2
IFBRDPUL 21100 XMONTH20120301 3      BRDPLWP2
TO 6          ADD          BF--BR-DP3
FS 5 FKBR03 1 0 1 9999999 2 1 1 0 11 2
PX 2
IFBRDPUL 49000 XMONTH20120301      BRDPLSP1
TO 6          ADD          BF--BR-DP3
FS 5 FKBR04 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFBRDPUL 49000 XMONTH20120301 3      BRDPLSP2
TO 6          ADD          BF--BR-DP3
FS 5 FKBR04 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFBRDPUL 12700 XMONTH20120301      BRDPULS1
TO 6          ADD          BF--BR-DP3
FS 5 FKBR05 1 0 1 9999999 2 1 1 4 7 10
PX 2

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IFBRDPUL 12700 XMONTH20120301 3 BRDPULS2
TO 6 ADD BF--BR-DP3
FS 5 FKBR05 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** AVG PULSE*****
IFBRASPL 21100 XMONTH20120301 BRAPLSW1
TO 6 ADD BF--BRSAP3
FS 5 FKBR07 1 0 1 9999999 2 1 3 4 11 2
PX 2
IFBRASPL 21100 XMONTH20120301 3 BRAPLSW2
TO 6 ADD BF--BRSAP3
FS 5 FKBR07 1 0 1 9999999 2 1 3 0 11 2
PX 2
IFBRASPL 49000 XMONTH20120301 BRASPSP1
TO 6 ADD BF--BRSAP3
FS 5 FKBR08 1 0 1 9999999 2 1 3 4 3 6
PX 2
IFBRASPL 49000 XMONTH20120301 3 BRASPSP2
TO 6 ADD BF--BRSAP3
FS 5 FKBR08 1 0 1 9999999 2 1 3 0 3 6
PX 2
IFBRASPL 12700 XMONTH20120301 BRASPLS1
TO 6 ADD BF--BRSAP3
FS 5 FKBR09 1 0 1 9999999 2 1 3 4 7 10
PX 2
IFBRASPL 12700 XMONTH20120301 3 BRASPLS2
TO 6 ADD BF--BRSAP3
FS 5 FKBR09 1 0 1 9999999 2 1 3 0 7 10
PX 2
***** WET PULSE *****
IFBRWSPL 41900 XMONTH20120301 BRSWPWP1
TO 6 ADD BF--BRSWP3
FS 5 FKBR11 1 0 1 9999999 2 1 2 4 11 2
PX 2
IFBRWSPL 41900 XMONTH20120301 3 BRSWPWP2
TO 6 ADD BF--BRSWP3
FS 5 FKBR11 1 0 1 9999999 2 1 2 0 11 2
PX 2
IFBRWSPL 97000 XMONTH20120301 BRSWPSP1
TO 6 ADD BF--BRSWP3
FS 5 FKBR12 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFBRWSPL 97000 XMONTH20120301 3 BRSWPSP2
TO 6 ADD BF--BRSWP3
FS 5 FKBR12 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFBRWSPL 20100 XMONTH20120301 BRSWPLS1
TO 6 ADD BF--BRSWP3
FS 5 FKBR13 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFBRWSPL 20100 XMONTH20120301 3 BRSWPLS2
TO 6 ADD BF--BRSWP3
FS 5 FKBR13 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFBRDPUL 20120301 BRDPFIN
TO 13 ADD BRDPLWP2 CONT
TO 13 ADD BRDPLSP2 CONT
TO 13 ADD BRDPULS2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVERAGE *****
IFBRASPL 20120301 BRASPFIN
TO 13 ADD BRAPLSW2 CONT
TO 13 ADD BRASPSP2 CONT
TO 13 ADD BRASPLS2 CONT
TO 16 MUL LOWAVG
PX 2
***** WET*****
IFBRWSPL 20120301 BRWSPFIN
TO 13 ADD BRSWPWP2 CONT
TO 13 ADD BRSWPSP2 CONT
TO 13 ADD BRSWPLS2 CONT
TO 16 MUL LOWWET
PX 2
**
** NAVASOTA RIVER NEAR EASTERLY
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMNAEA 20120301 1.0000 DMRLNAEA SB3DUM
TO 2 1.0 NAEA66
PX 2
** FNI Change end
    
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**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE16      XMONTH20120301      BF--EA-DP1
TO 2          ADD          DAYSPY          CONT
TO 2          SUB          EADPND
PX 2
WRFAKE16      XMONTH20120301      BF--EA-DP2
TO 6          ADD          BF--EA-DP1    CONT
TO 2          DIV          DAYSPY
PX 2
WRFAKE16      5289 EA-DRY20120301      BF--EA-DP3
TO 6          MUL          BF--EA-DP2
PX 2
*****Avg PULSE DAYS*****
WRFAKE16      XMONTH20120301      BF--EASAP1
TO 2          ADD          DAYSPY          CONT
TO 2          SUB          EAASPD
PX 2
WRFAKE16      XMONTH20120301      BF--EASAP2
TO 6          ADD          BF--EASAP1    CONT
TO 2          DIV          DAYSPY
PX 2
WRFAKE16      9871 EA-AVG20120301      BF--EASAP3
TO 6          MUL          BF--EASAP2
PX 2
*****WET PULSE DAYS*****
WRFAKE16      XMONTH20120301      BF--EASWP1
TO 2          ADD          DAYSPY          CONT
TO 2          SUB          EAWSPD
PX 2
WRFAKE16      XMONTH20120301      BF--EASWP2
TO 6          ADD          BF--EASWP1    CONT
TO 2          DIV          DAYSPY
PX 2
WRFAKE16      16378 EA-WET20120301      BF--EASWP3
TO 6          MUL          BF--EASWP2
PX 2
*****set subsistence flow*****
IFEASUBS      723 EA-SUB20120301      EA-SUB1
TO 16         MUL          LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFEA-DRY      5289 EA-DRY20120301      EA-DRY1
TO 16         MUL          LOWDRY
PX 2
WREANOSB      1 XMONTH20120301      EANOSUB2
FS 12         LOWDRY      0 1 1 9999999 1
PX 2
WRFKEA01      20120301      HOLDEABASE
TO 13         ADD          EA-DRY1
PX 2
WRFKEA02      20120301      EAONOFF
TO 2          ADD          NAEA66          CONT
TO 6          DIV          HOLDEABASE    CONT
TO 6          ADD          EANOSUB2
PX 2
IFEA-DRY      20120301      EA-DRY2
TO 13         ADD          EA-DRY1
FS 5         FKEA02      1 0 1 9999999 1
PX 2
IFEASUBS      EA-SUB20120301      2 EA-SUB2
TO 2          ADD          NAEA66          CONT
TO 13         SUB          EA-SUB1          CONT
TO 2          DIV          HALF          CONT
TO 13         ADD          EA-SUB1
FS 5         FKEA02      0 1 1 9999999 1
PX 2
IFEA-DRY      20120301      EA-DRY3
TO 13         ADD          EA-SUB2          CONT
TO 13         MAX          EA-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFEA-AVG      9871 EA-AVG20120301      EA-AVG
TO 16         MUL          LOWAVG
PX 2
*****SET WET BASE FLOW, *****
IFEA-WET      16378 EA-WET20120301      EA-WET
TO 16         MUL          LOWWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****

```

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```

WRFKEA02 1610 XMONTH20120301 FKEADPLWP1
TO 6 ADD BF--EA-DP3
PX 2
WRFKEA03 XMONTH20120301 EADPWIRTRG
TO 2 ADD NAEA66 CONT
TO 6 DIV FKEADPLWP1
PX 2
WRFKEA02 4590 XMONTH20120301 FKEADPLSP1
TO 6 ADD BF--EA-DP3
PX 2
WRFKEA04 XMONTH20120301 EADPSRTRG
TO 2 ADD NAEA66 CONT
TO 6 DIV FKEADPLSP1
PX 2
**
WRFKEA02 0 XMONTH20120301 FKEADPULS1
TO 6 ADD BF--EA-DP3
PX 2
**
WRFKEA05 XMONTH20120301 EADPSUMTRG
TO 2 ADD NAEA66 CONT
TO 6 DIV FKEADPULS1
PX 2
***** AVERAGE PULSE *****
WRFKEA06 1610 XMONTH20120301 FKEAAPLWP1
TO 6 ADD BF--EASAP3
PX 2
WRFKEA07 XMONTH20120301 EAAPWIRTR1
TO 2 ADD NAEA66 CONT
TO 6 DIV FKEAAPLWP1
PX 2
WRFKEA06 4590 XMONTH20120301 FKEAAPLSP1
TO 6 ADD BF--EASAP3
PX 2
WRFKEA08 XMONTH20120301 EAAPSPRTR2
TO 2 ADD NAEA66 CONT
TO 6 DIV FKEAAPLSP1
PX 2
**
WRFKEA06 0 XMONTH20120301 FKEAAPULS1
TO 6 ADD BF--EASAP3
PX 2
**
WRFKEA09 XMONTH20120301 EAAPSUMTR1
TO 2 ADD NAEA66 CONT
TO 6 DIV FKEAAPULS1
PX 2
***** WET PULSE*****
WRFKEA10 5440 XMONTH20120301 FKEAWPLWP1
TO 6 ADD BF--EASWP3
PX 2
WRFKEA11 XMONTH20120301 EAWPWIRTR1
TO 2 ADD NAEA66 CONT
TO 6 DIV FKEAWPLWP1
PX 2
WRFKEA10 8990 XMONTH20120301 FKEAWPLSP1
TO 6 ADD BF--EASWP3
PX 2
WRFKEA12 XMONTH20120301 EAWPSRTR1
TO 2 ADD NAEA66 CONT
TO 6 DIV FKEAWPLSP1
PX 2
**
WRFKEA10 220 XMONTH20120301 FKEAWPULS1
TO 6 ADD BF--EASWP3
PX 2
**
WRFKEA13 XMONTH20120301 EAWPSUMTR1
TO 2 ADD NAEA66 CONT
TO 6 DIV FKEAWPULS1
PX 2
**

```

```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFEADPUL 1610 XMONTH20120301 EADPLWP1
TO 6 ADD BF--EA-DP3
FS 5 FKEA03 1 0 1 9999999 2 1 1 4 11 2
PX 2
IFEADPUL 1610 XMONTH20120301 3 EADPLWP2
TO 6 ADD BF--EA-DP3
FS 5 FKEA03 1 0 1 9999999 2 1 1 0 11 2
PX 2
IFEADPUL 4590 XMONTH20120301 EADPLSP1
TO 6 ADD BF--EA-DP3

```


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```

FS 5 FKEA04 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFEADPUL 4590 XMONTH20120301 3 EADPLSP2
TO 6 ADD BF--EA-DP3
FS 5 FKEA04 1 0 1 9999999 2 1 1 0 3 6
PX 2
***** AVG PULSE*****
IFEASPL 1610 XMONTH20120301 EAPLSW1
TO 6 ADD BF--EASAP3
FS 5 FKEA07 1 0 1 9999999 2 1 3 4 11 2
PX 2
IFEASPL 1610 XMONTH20120301 3 EAPLSW2
TO 6 ADD BF--EASAP3
FS 5 FKEA07 1 0 1 9999999 2 1 3 0 11 2
PX 2
IFEASPL 4590 XMONTH20120301 EASPS1
TO 6 ADD BF--EASAP3
FS 5 FKEA08 1 0 1 9999999 2 1 3 4 3 6
PX 2
IFEASPL 4590 XMONTH20120301 3 EASPS2
TO 6 ADD BF--EASAP3
FS 5 FKEA08 1 0 1 9999999 2 1 3 0 3 6
PX 2
***** WET PULSE *****
IFEAWSPL 5440 XMONTH20120301 EASWPW1
TO 6 ADD BF--EASWP3
FS 5 FKEA11 1 0 1 9999999 2 1 2 4 11 2
PX 2
IFEAWSPL 5440 XMONTH20120301 3 EASWPW2
TO 6 ADD BF--EASWP3
FS 5 FKEA11 1 0 1 9999999 2 1 2 0 11 2
PX 2
IFEAWSPL 8990 XMONTH20120301 EASWPS1
TO 6 ADD BF--EASWP3
FS 5 FKEA12 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFEAWSPL 8990 XMONTH20120301 3 EASWPS2
TO 6 ADD BF--EASWP3
FS 5 FKEA12 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFEAWSPL 220 XMONTH20120301 EASWPLS1
TO 6 ADD BF--EASWP3
FS 5 FKEA13 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFEAWSPL 220 XMONTH20120301 3 EASWPLS2
TO 6 ADD BF--EASWP3
FS 5 FKEA13 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFEADPUL 20120301 EADPFIN
TO 13 ADD EADPLWP2 CONT
TO 13 ADD EADPLSP2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVERAGE *****
IFEASPL 20120301 EASPFIN
TO 13 ADD EAPLSW2 CONT
TO 13 ADD EASPS2 CONT
TO 16 MUL LOWAVG
PX 2
***** WET*****
IFEAWSPL 20120301 EAWSFIN
TO 13 ADD EASWPW2 CONT
TO 13 ADD EASWPS2 CONT
TO 13 ADD EASWPLS2 CONT
TO 16 MUL LOWWET
PX 2
**
**BRAZOS RIVER NEAR HEMPSTEAD
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRHE 20120301 1.0000 DMRLBRHE SB3DUM
TO 2 1.0 BRHE68
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE17 XMONTH20120301 BF--HE-DP1
TO 2 ADD DAYSPY CONT
TO 2 SUB HEDPND
PX 2
    
```

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```

WRFKHE02 49800 XMONTH20120301          BF--HE-DP2
TO 6          ADD                      BF--HE-DP1  CONT
PX 2
WRFKHE02 49800 XMONTH20120301          BF--HE-DP3
TO 6          MUL                      BF--HE-DP2
PX 2
*****Avg PULSE DAYS*****
WRFKHE02 49800 XMONTH20120301          BF--HESAP1
TO 2          ADD                      DAYSPLY    CONT
TO 2          SUB                      HEASPD
PX 2
WRFKHE02 49800 XMONTH20120301          BF--HESAP2
TO 6          ADD                      BF--HESAP1  CONT
TO 2          DIV                      DAYSPLY
PX 2
WRFKHE02 49800 HE-AVG20120301          BF--HESAP3
TO 6          MUL                      BF--HESAP2
PX 2
*****WET PULSE DAYS*****
WRFKHE02 49800 XMONTH20120301          BF--HESWP1
TO 2          ADD                      DAYSPLY    CONT
TO 2          SUB                      HEWSPD
PX 2
WRFKHE02 49800 XMONTH20120301          BF--HESWP2
TO 6          ADD                      BF--HESWP1  CONT
TO 2          DIV                      DAYSPLY
PX 2
WRFKHE02 49800 HE-WET20120301          BF--HESWP3
TO 6          MUL                      BF--HESWP2
PX 2
*****set subsistence flow*****
IFHESUBS 368829 HE-SUB20120301          HE-SUB1
TO 16         MUL                      LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFHE-DRY 723373 HE-DRY20120301          HE-DRY1
TO 16         MUL                      LOWDRY
PX 2
WRHENOSB 1 XMONTH20120301          HENOSUB2
FS 12 LOWDRY 0 1 1 9999999 1
PX 2
WRFKHE01 20120301          HOLDHEBASE
TO 13         ADD                      HE-DRY1
PX 2
WRFKHE02 20120301          HEONOFF
TO 2          ADD                      BRHE68     CONT
TO 6          DIV                      HOLDHEBASE  CONT
TO 6          ADD                      HENOSUB2
PX 2
IFHE-DRY 20120301          HE-DRY2
TO 13         ADD                      HE-DRY1
FS 5  FKHE02 1 0 1 9999999 1
PX 2
IFHESUBS HE-SUB20120301 2          HE-SUB2
TO 2          ADD                      BRHE68     CONT
TO 13         SUB                      HE-SUB1    CONT
TO 2          DIV                      HALF       CONT
TO 13         ADD                      HE-SUB1
FS 5  FKHE02 0 1 1 9999999 1
PX 2
IFHE-DRY 20120301          HE-DRY3
TO 13         ADD                      HE-SUB2    CONT
TO 13         MAX                      HE-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFHE-AVG 1125729 HE-AVG20120301          HE-AVG
TO 16         MUL                      LOWAVG
PX 2
*****SET WET BASE FLOW, *****
IFHE-WET 2018318 HE-WET20120301          HE-WET
TO 16         MUL                      LOWWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKHE02 49800 XMONTH20120301          FKHE02LWP1
TO 6          ADD                      BF--HE-DP3
PX 2
WRFKHE03 XMONTH20120301          HEDPWIRTRG
TO 2          ADD                      BRHE68     CONT
TO 6          DIV                      FKHE02LWP1
PX 2
WRFKHE02 85000 XMONTH20120301          FKHE02LSP1
    
```

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```

TO      6          ADD          BF--HE-DP3
PX      2
WRFKHE04  XMONTH20120301          HEDPSRTRG
TO      2          ADD          BRHE68          CONT
TO      6          DIV          FKHEDPULS1
PX      2
**
WRFKHE02  17000 XMONTH20120301          FKHEDPULS1
TO      6          ADD          BF--HE-DP3
PX      2
**
WRFKHE05  XMONTH20120301          HEDPSUMTRG
TO      2          ADD          BRHE68          CONT
TO      6          DIV          FKHEDPULS1
PX      2
***** AVERAGE PULSE *****
WRFKHE06  49800 XMONTH20120301          FKHEAPLWP1
TO      6          ADD          BF--HESAP3
PX      2
WRFKHE07  XMONTH20120301          HEAPWIRTR1
TO      2          ADD          BRHE68          CONT
TO      6          DIV          FKHEAPLWP1
PX      2
WRFKHE06  85000 XMONTH20120301          FKHEAPLSP1
TO      6          ADD          BF--HESAP3
PX      2
WRFKHE08  XMONTH20120301          HEAPSRTTR2
TO      2          ADD          BRHE68          CONT
TO      6          DIV          FKHEAPLSP1
PX      2
**
WRFKHE06  17000 XMONTH20120301          FKHEAPULS1
TO      6          ADD          BF--HESAP3
PX      2
**
WRFKHE09  XMONTH20120301          HEAPSUMTR1
TO      2          ADD          BRHE68          CONT
TO      6          DIV          FKHEAPULS1
PX      2
***** WET PULSE*****
WRFKHE10  125000 XMONTH20120301          FKHEWPLWP1
TO      6          ADD          BF--HESWP3
PX      2
WRFKHE11  XMONTH20120301          HEWPWIRTR1
TO      2          ADD          BRHE68          CONT
TO      6          DIV          FKHEWPLWP1
PX      2
WRFKHE10  219000 XMONTH20120301          FKHEWPLSP1
TO      6          ADD          BF--HESWP3
PX      2
WRFKHE12  XMONTH20120301          HEWPSRTR1
TO      2          ADD          BRHE68          CONT
TO      6          DIV          FKHEWPLSP1
PX      2
**
WRFKHE10  40900 XMONTH20120301          FKHEWPULS1
TO      6          ADD          BF--HESWP3
PX      2
**
WRFKHE13  XMONTH20120301          HEWPSUMTR1
TO      2          ADD          BRHE68          CONT
TO      6          DIV          FKHEWPULS1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFHEDPUL  49800 XMONTH20120301          HEDPLWP1
TO      6          ADD          BF--HE-DP3
FS      5  FKHE03      1      0      1 9999999 2 1 1 4 11 2
PX      2
IFHEDPUL  49800 XMONTH20120301  3          HEDPLWP2
TO      6          ADD          BF--HE-DP3
FS      5  FKHE03      1      0      1 9999999 2 1 1 0 11 2
PX      2
IFHEDPUL  85000 XMONTH20120301          HEDPLSP1
TO      6          ADD          BF--HE-DP3
FS      5  FKHE04      1      0      1 9999999 2 1 1 4 3 6
PX      2
IFHEDPUL  85000 XMONTH20120301  3          HEDPLSP2
TO      6          ADD          BF--HE-DP3
FS      5  FKHE04      1      0      1 9999999 2 1 1 0 3 6
PX      2
IFHEDPUL  17000 XMONTH20120301          HEDPULS1
TO      6          ADD          BF--HE-DP3
    
```

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```

FS 5 FKHE05 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFHEDPUL 17000 XMONTH20120301 3 HEDPULS2
TO 6 ADD BF--HE-DP3
FS 5 FKHE05 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** AVG PULSE*****
IFHEASPL 49800 XMONTH20120301 HEAPLSW1
TO 6 ADD BF--HESAP3
FS 5 FKHE07 1 0 1 9999999 2 1 3 4 11 2
PX 2
IFHEASPL 49800 XMONTH20120301 3 HEAPLSW2
TO 6 ADD BF--HESAP3
FS 5 FKHE07 1 0 1 9999999 2 1 3 0 11 2
PX 2
IFHEASPL 85000 XMONTH20120301 HEASPS1
TO 6 ADD BF--HESAP3
FS 5 FKHE08 1 0 1 9999999 2 1 3 4 3 6
PX 2
IFHEASPL 85000 XMONTH20120301 3 HEASPS2
TO 6 ADD BF--HESAP3
FS 5 FKHE08 1 0 1 9999999 2 1 3 0 3 6
PX 2
IFHEASPL 17000 XMONTH20120301 HEASPLS1
TO 6 ADD BF--HESAP3
FS 5 FKHE09 1 0 1 9999999 2 1 3 4 7 10
PX 2
IFHEASPL 17000 XMONTH20120301 3 HEASPLS2
TO 6 ADD BF--HESAP3
FS 5 FKHE09 1 0 1 9999999 2 1 3 0 7 10
PX 2
***** WET PULSE *****
IFHEWSPL 125000 XMONTH20120301 HESWPWP1
TO 6 ADD BF--HESWP3
FS 5 FKHE11 1 0 1 9999999 2 1 2 4 11 2
PX 2
IFHEWSPL 125000 XMONTH20120301 3 HESWPWP2
TO 6 ADD BF--HESWP3
FS 5 FKHE11 1 0 1 9999999 2 1 2 0 11 2
PX 2
IFHEWSPL 219000 XMONTH20120301 HESWPSP1
TO 6 ADD BF--HESWP3
FS 5 FKHE12 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFHEWSPL 219000 XMONTH20120301 3 HESWPSP2
TO 6 ADD BF--HESWP3
FS 5 FKHE12 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFHEWSPL 40900 XMONTH20120301 HESWPLS1
TO 6 ADD BF--HESWP3
FS 5 FKHE13 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFHEWSPL 40900 XMONTH20120301 3 HESWPLS2
TO 6 ADD BF--HESWP3
FS 5 FKHE13 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFHEDPUL 20120301 HEDPFIN
TO 13 ADD HEDPLWP2 CONT
TO 13 ADD HEDPLSP2 CONT
TO 13 ADD HEDPULS2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVERAGE *****
IFHEASPL 20120301 HEASPFIN
TO 13 ADD HEAPLSW2 CONT
TO 13 ADD HEASPS2 CONT
TO 13 ADD HEASPLS2 CONT
TO 16 MUL LOWAVG
PX 2
***** WET*****
IFHEWSPL 20120301 HEWSPFIN
TO 13 ADD HESWPWP2 CONT
TO 13 ADD HESWPSP2 CONT
TO 13 ADD HESWPLS2 CONT
TO 16 MUL LOWWET
PX 2
**
**BRAZOS RIVER AT RICHMOND
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRI 20120301 1.0000 DMRLBRI SB3DUM
TO 2 1.0 BRRI70
    
```

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```

PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake18      XMONTH20120301      BF--RC-DP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      RCDPND
PX      2
WRFake18      XMONTH20120301      BF--RC-DP2
TO      6      ADD      BF--RC-DP1      CONT
TO      2      DIV      DAYSPY
PX      2
WRFake18      749663      RC-DRY20120301      BF--RC-DP3
TO      6      MUL      BF--RC-DP2
PX      2
*****Avg PULSE DAYS*****
WRFake18      XMONTH20120301      BF--RCSAP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      RCASPD
PX      2
WRFake18      XMONTH20120301      BF--RCSAP2
TO      6      ADD      BF--RCSAP1      CONT
TO      2      DIV      DAYSPY
PX      2
WRFake18      1233703      RC-AVG20120301      BF--RCSAP3
TO      6      MUL      BF--RCSAP2
PX      2
*****WET PULSE DAYS*****
WRFake18      XMONTH20120301      BF--RCSWP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      RCWSPD
PX      2
WRFake18      XMONTH20120301      BF--RCSWP2
TO      6      ADD      BF--RCSWP1      CONT
TO      2      DIV      DAYSPY
PX      2
WRFake18      2282856      RC-WET20120301      BF--RCSWP3
TO      6      MUL      BF--RCSWP2
PX      2
*****set subsistence flow*****
IFRCSUBS      397757      RC-SUB20120301      RC-SUB1
TO      16      MUL      LOWDRY
PX      2
*****SET DRY BASE FLOW, *****
IFRC-DRY      749663      RC-DRY20120301      RC-DRY1
TO      16      MUL      LOWDRY
PX      2
WRRCNOSB      1      XMONTH20120301      RCNOSUB2
FS      12      LOWDRY      0      1      1      9999999      1
PX      2
WRFKRC01      20120301      HOLDRCBASE
TO      13      ADD      RC-DRY1
PX      2
WRFKRC02      20120301      RCONOFF
TO      2      ADD      BRRI70      CONT
TO      6      DIV      HOLDRCBASE      CONT
TO      6      ADD      RCNOSUB2
PX      2
IFRC-DRY      20120301      RC-DRY2
TO      13      ADD      RC-DRY1
FS      5      FKRC02      1      0      1      9999999      1
PX      2
IFRCSUBS      RC-SUB20120301      2      RC-SUB2
TO      2      ADD      BRRI70      CONT
TO      13      SUB      RC-SUB1      CONT
TO      2      DIV      HALF      CONT
TO      13      ADD      RC-SUB1
FS      5      FKRC02      0      1      1      9999999      1
PX      2
IFRC-DRY      20120301      RC-DRY3
TO      13      ADD      RC-SUB2      CONT
TO      13      MAX      RC-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFRC-AVG      1233703      RC-AVG20120301      RC-AVG
TO      16      MUL      LOWAVG
PX      2
*****SET WET BASE FLOW, *****
IFRC-WET      2282856      RC-WET20120301      RC-WET
TO      16      MUL      LOWWET
PX      2
*****

```

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***** DRY *****
 ***** Developing pulse+base flow targets (Each Season), *****

```

WRFKRC02 60600 XMONTH20120301          FKRCDFLWP1
TO 6          ADD                      BF--RC-DP3
PX 2
WRFKRC03          XMONTH20120301          RCDPWIRTRG
TO 2          ADD                      BRR170          CONT
TO 6          DIV                      FKRCDFLWP1
PX 2
WRFKRC02 94000 XMONTH20120301          FKRCDFLSP1
TO 6          ADD                      BF--RC-DP3
PX 2
WRFKRC04          XMONTH20120301          RCDPSPRTRG
TO 2          ADD                      BRR170          CONT
TO 6          DIV                      FKRCDFLSP1
PX 2
**
WRFKRC02 16400 XMONTH20120301          FKRCDFPULS1
TO 6          ADD                      BF--RC-DP3
PX 2
**
WRFKRC05          XMONTH20120301          RCDPSUMTRG
TO 2          ADD                      BRR170          CONT
TO 6          DIV                      FKRCDFPULS1
PX 2
    
```

***** AVERAGE PULSE *****

```

WRFKRC06 60600 XMONTH20120301          FKRCAPLWP1
TO 6          ADD                      BF--RCSAP3
PX 2
WRFKRC07          XMONTH20120301          RCAPWIRTR1
TO 2          ADD                      BRR170          CONT
TO 6          DIV                      FKRCAPLWP1
PX 2
WRFKRC06 94000 XMONTH20120301          FKRCAPLSP1
TO 6          ADD                      BF--RCSAP3
PX 2
WRFKRC08          XMONTH20120301          RCAPSPRTR2
TO 2          ADD                      BRR170          CONT
TO 6          DIV                      FKRCAPLSP1
PX 2
**
WRFKRC06 16400 XMONTH20120301          FKRCAPULS1
TO 6          ADD                      BF--RCSAP3
PX 2
**
WRFKRC09          XMONTH20120301          RCAPSUMTR1
TO 2          ADD                      BRR170          CONT
TO 6          DIV                      FKRCAPULS1
PX 2
    
```

***** WET PULSE*****

```

WRFKRC10 150000 XMONTH20120301          FKRCWPLWP1
TO 6          ADD                      BF--RCSWP3
PX 2
WRFKRC11          XMONTH20120301          RCWPWIRTR1
TO 2          ADD                      BRR170          CONT
TO 6          DIV                      FKRCWPLWP1
PX 2
WRFKRC10 215000 XMONTH20120301          FKRCWPLSP1
TO 6          ADD                      BF--RCSWP3
PX 2
WRFKRC12          XMONTH20120301          RCWPSRTR1
TO 2          ADD                      BRR170          CONT
TO 6          DIV                      FKRCWPLSP1
PX 2
**
WRFKRC10 46300 XMONTH20120301          FKRCWPULS1
TO 6          ADD                      BF--RCSWP3
PX 2
**
WRFKRC13          XMONTH20120301          RCWPSUMTR1
TO 2          ADD                      BRR170          CONT
TO 6          DIV                      FKRCWPULS1
PX 2
**
    
```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

```

***** DRY *****
IFRCDPUL 60600 XMONTH20120301          RCDPLWP1
TO 6          ADD                      BF--RC-DP3
FS 5 FKRC03 1 0 1 9999999 2 1 1 4 11 2
PX 2
IFRCDPUL 60600 XMONTH20120301 3          RCDPLWP2
TO 6          ADD                      BF--RC-DP3
FS 5 FKRC03 1 0 1 9999999 2 1 1 0 11 2
PX 2
    
```

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```

IFRCDPUL 94000 XMONTH20120301 RCDPLSP1
TO 6 ADD BF--RC-DP3
FS 5 FKRC04 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFRCDPUL 94000 XMONTH20120301 3 RCDPLSP2
TO 6 ADD BF--RC-DP3
FS 5 FKRC04 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFRCDPUL 16400 XMONTH20120301 RCDPULS1
TO 6 ADD BF--RC-DP3
FS 5 FKRC05 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFRCDPUL 16400 XMONTH20120301 3 RCDPULS2
TO 6 ADD BF--RC-DP3
FS 5 FKRC05 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** AVG PULSE*****
IFRCASPL 60600 XMONTH20120301 RCAPLSW1
TO 6 ADD BF--RCSAP3
FS 5 FKRC07 1 0 1 9999999 2 1 3 4 11 2
PX 2
IFRCASPL 60600 XMONTH20120301 3 RCAPLSW2
TO 6 ADD BF--RCSAP3
FS 5 FKRC07 1 0 1 9999999 2 1 3 0 11 2
PX 2
IFRCASPL 94000 XMONTH20120301 RCASPSP1
TO 6 ADD BF--RCSAP3
FS 5 FKRC08 1 0 1 9999999 2 1 3 4 3 6
PX 2
IFRCASPL 94000 XMONTH20120301 3 RCASPSP2
TO 6 ADD BF--RCSAP3
FS 5 FKRC08 1 0 1 9999999 2 1 3 0 3 6
PX 2
IFRCASPL 16400 XMONTH20120301 RCASPLS1
TO 6 ADD BF--RCSAP3
FS 5 FKRC09 1 0 1 9999999 2 1 3 4 7 10
PX 2
IFRCASPL 16400 XMONTH20120301 3 RCASPLS2
TO 6 ADD BF--RCSAP3
FS 5 FKRC09 1 0 1 9999999 2 1 3 0 7 10
PX 2
***** WET PULSE *****
IFRCWSPL 150000 XMONTH20120301 RCSWPWP1
TO 6 ADD BF--RCSWP3
FS 5 FKRC11 1 0 1 9999999 2 1 2 4 11 2
PX 2
IFRCWSPL 150000 XMONTH20120301 3 RCSWPWP2
TO 6 ADD BF--RCSWP3
FS 5 FKRC11 1 0 1 9999999 2 1 2 0 11 2
PX 2
IFRCWSPL 215000 XMONTH20120301 RCSWPSP1
TO 6 ADD BF--RCSWP3
FS 5 FKRC12 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFRCWSPL 215000 XMONTH20120301 3 RCSWPSP2
TO 6 ADD BF--RCSWP3
FS 5 FKRC12 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFRCWSPL 46300 XMONTH20120301 RCSWPLS1
TO 6 ADD BF--RCSWP3
FS 5 FKRC13 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFRCWSPL 46300 XMONTH20120301 3 RCSWPLS2
TO 6 ADD BF--RCSWP3
FS 5 FKRC13 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFRCDPUL 20120301 RCDPFIN
TO 13 ADD RCDPLWP2 CONT
TO 13 ADD RCDPLSP2 CONT
TO 13 ADD RCDPULS2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVERAGE *****
IFRCASPL 20120301 RCASPFIN
TO 13 ADD RCAPLSW2 CONT
TO 13 ADD RCASPSP2 CONT
TO 13 ADD RCASPLS2 CONT
TO 16 MUL LOWAVG
PX 2
***** WET*****
IFRCWSPL 20120301 RCWSPFIN
TO 13 ADD RCSWPWP2 CONT
    
```

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```

TO 13 ADD RCSWPSP2 CONT
TO 13 ADD RCSWPLS2 CONT
TO 16 MUL LOWWET
PX 2
**
**BRAZOS RIVER AT ROSHARON
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRRO 20120301 1.0000 DMRLBRRO SB3DUM
TO 2 1.0 BRRO72
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFK19 XMONTH20120301 BF--RO-DP1
TO 2 ADD DAYSPY CONT
TO 2 SUB RODPND
PX 2
WRFK19 XMONTH20120301 BF--RO-DP2
TO 6 ADD BF--RO-DP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFK19 799871 RO-DRY20120301 BF--RO-DP3
TO 6 MUL BF--RO-DP2
PX 2
*****Avg PULSE DAYS*****
WRFK19 XMONTH20120301 BF--ROSAP1
TO 2 ADD DAYSPY CONT
TO 2 SUB ROASPD
PX 2
WRFK19 XMONTH20120301 BF--ROSAP2
TO 6 ADD BF--ROSAP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFK19 1464255 RO-AVG20120301 BF--ROSAP3
TO 6 MUL BF--ROSAP2
PX 2
*****WET PULSE DAYS*****
WRFK19 XMONTH20120301 BF--ROSWP1
TO 2 ADD DAYSPY CONT
TO 2 SUB ROWSPD
PX 2
WRFK19 XMONTH20120301 BF--ROSWP2
TO 6 ADD BF--ROSWP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFK19 2904551 RO-WET20120301 BF--ROSWP3
TO 6 MUL BF--ROSWP2
PX 2
*****set subsistence flow*****
IFROSUBS 310974 RO-SUB20120301 RO-SUB1
TO 16 MUL LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFRO-DRY 799871 RO-DRY20120301 RO-DRY1
TO 16 MUL LOWDRY
PX 2
WRRONOSB 1 XMONTH20120301 RONOSUB2
FS 12 LOWDRY 0 1 1 999999 1
PX 2
WRFKRO01 20120301 HOLDROBASE
TO 13 ADD RO-DRY1
PX 2
WRFKRO02 20120301 ROONOFF
TO 2 ADD BRRO72 CONT
TO 6 DIV HOLDROBASE CONT
TO 6 ADD RONOSUB2
PX 2
IFRO-DRY 20120301 RO-DRY2
TO 13 ADD RO-DRY1
FS 5 FKRO02 1 0 1 999999 1
PX 2
IFROSUBS RO-SUB20120301 2 RO-SUB2
TO 2 ADD BRRO72 CONT
TO 13 SUB RO-SUB1 CONT
TO 2 DIV HALF CONT
TO 13 ADD RO-SUB1
FS 5 FKRO02 0 1 1 999999 1
PX 2
IFRO-DRY 20120301 RO-DRY3
TO 13 ADD RO-SUB2 CONT
TO 13 MAX RO-DRY2
    
```


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```

PX      2
*****SET AVG BASE FLOW, *****
IFRO-AVG 1464255  RO-AVG20120301          RO-AVG
TO      16          MUL                LOWAVG
PX      2
*****SET WET BASE FLOW, *****
IFRO-WET 2904551  RO-WET20120301          RO-WET
TO      16          MUL                LOWWET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKRO02  94700  XMONTH20120301          FKRODPLWP1
TO      6          ADD                BF--RO-DP3
PX      2
WRFKRO03          XMONTH20120301          RODPWIRTRG
TO      2          ADD                BRRO72          CONT
TO      6          DIV                FKRODPLWP1
PX      2
WRFKRO02  58500  XMONTH20120301          FKRODPLSP1
TO      6          ADD                BF--RO-DP3
PX      2
WRFKRO04          XMONTH20120301          RODPSPRTRG
TO      2          ADD                BRRO72          CONT
TO      6          DIV                FKRODPLSP1
PX      2
**
WRFKRO02  14900  XMONTH20120301          FKRODPULS1
TO      6          ADD                BF--RO-DP3
PX      2
**
WRFKRO05          XMONTH20120301          RODPSUMTRG
TO      2          ADD                BRRO72          CONT
TO      6          DIV                FKRODPULS1
PX      2
***** AVERAGE PULSE *****
WRFKRO06  94700  XMONTH20120301          FKROAPLWP1
TO      6          ADD                BF--ROSAP3
PX      2
WRFKRO07          XMONTH20120301          ROAPWIRTR1
TO      2          ADD                BRRO72          CONT
TO      6          DIV                FKROAPLWP1
PX      2
WRFKRO06  58500  XMONTH20120301          FKROAPLSP1
TO      6          ADD                BF--ROSAP3
PX      2
WRFKRO08          XMONTH20120301          ROAPSPRTR1
TO      2          ADD                BRRO72          CONT
TO      6          DIV                FKROAPLSP1
PX      2
**
WRFKRO06  14900  XMONTH20120301          FKROAPULS1
TO      6          ADD                BF--ROSAP3
PX      2
**
WRFKRO09          XMONTH20120301          ROAPSUMTR1
TO      2          ADD                BRRO72          CONT
TO      6          DIV                FKROAPULS1
PX      2
***** WET PULSE*****
WRFKRO10  168000 XMONTH20120301          FKROWPLWP1
TO      6          ADD                BF--ROSWP3
PX      2
WRFKRO11          XMONTH20120301          ROWPWIRTR1
TO      2          ADD                BRRO72          CONT
TO      6          DIV                FKROWPLWP1
PX      2
WRFKRO10  184000 XMONTH20120301          FKROWPLSP1
TO      6          ADD                BF--ROSWP3
PX      2
WRFKRO12          XMONTH20120301          ROWPSPRTR1
TO      2          ADD                BRRO72          CONT
TO      6          DIV                FKROWPLSP1
PX      2
**
WRFKRO10  39100  XMONTH20120301          FKROWPULS1
TO      6          ADD                BF--ROSWP3
PX      2
**
WRFKRO13          XMONTH20120301          ROWPSUMTR1
TO      2          ADD                BRRO72          CONT
TO      6          DIV                FKROWPULS1
PX      2
**
    
```


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```

***** AVERAGE *****
IFROASPL          20120301          ROASPFIN
TO 13            ADD                ROAPLSW2    CONT
TO 13            ADD                ROASPSP2    CONT
TO 13            ADD                ROASPLS2    CONT
TO 16            MUL                LOWAVG
PX 2
***** WET*****
IFROWSPL          20120301          ROWSPFIN
TO 13            ADD                ROSWPWP2    CONT
TO 13            ADD                ROSWFSP2    CONT
TO 13            ADD                ROSWPLS2    CONT
TO 16            MUL                LOWWET
PX 2
**
** End of SB3 Eflows code
**
** System Operation Modeling - modeling at a priority of 03/02/2012 to preserve prior appropriation
** relative to 30 TAC 298 environmental flow standards
** Refill reservoirs with QUNAP.
**WR515531      0.          20120302          C5155_RF2_4  SYSTEM
**WSPOSDOM 528007.          0
**PX 2
**WR515631      0.          20120302          C5156_RF2_4  SYSTEM
**WSGRNBRY 124128.
**PX 2
**WR515731      0.          20120302          C5157_RF2_4  SYSTEM
**WSBRAWHT 50000.          1
**PX 2
**WR515831      0.          20120302          C5158_RF2_4  SYSTEM
**WSAQUILA 35755.          0
**PX 2
**WR515931      0.          20120302          C5159_RF2_4  SYSTEM
**WSPRCTOR 48644.          0
**PX 2
**WR516031      0.          20120302          C5160_RF2_4  SYSTEM
**WSBRABEL 418951.          0          3          -1
**PX 2
**WR516131      0.          20120302          C5161_RF2_4  SYSTEM
**WSSTLHSE 225716.          0
**PX 2
**WR516231      0.          20120302          C5162_RF2_4  SYSTEM
**WSGRGTWN 37354.          0
**PX 2
**WR516331      0.          20120302          C5163_RF2_4  SYSTEM
**WSGRNGER 46198.          0
**PX 2
**WR516431      0.          20120302          C5164_RF2_4  SYSTEM
**WSSMRVLE 135891.          0
**PX 2
**WR516531      0.          20120302          C5165_RF2_4  SYSTEM
**WSLMSTNE 185502.          0
**PX 2
****WR292531      0.          20120302          ALLENS_RF2_4  SYSTEM
****WSALLENS 145533.
****PX 2
****
**** Downstream - Palo Pinto
****
**WRBRPP27 1200.  IND220120302  2  2  0.0000          PLOT2_DS_IND  C5155  PK_DS
**WSPOSDOM 528007.          0
**OR515531
**PX 2
**** Dennis
****
**WRBRDE29 50.  IRR220120302  2  2  0.0000          DNNT2_DS_IRR  C5155  PK_DS
**WSPOSDOM 528007.          0
**OR515531
**PX 2
****
**WRBRDE29 1000.  MIN220120302  2  2  0.0000          DNNT2_DS_MIN  C5155  PK_DS
**WSPOSDOM 528007.          0
**OR515531
**PX 2
****
**** Glen Rose
****
**WRBRGR30 200.  IRR220120302  2  2  0.0000          GBYT2_DS_IRR  C5156  GB_SS
**WSGRNBRY 124128.          0
**OR515631 46500  1.0  1.0  0  0  0
**WSPOSDOM 528007.          0
**OR515531 218922  0.5  1.0  0  0  0

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```

**PX      2
****
**WRBRGR30  1000.  MIN220120302  2  2  0.0000          GBYT2_DS_MIN  C5156  GB_DS
**WGRNBRY 124128.
**OR515631  46500   1.0   1.0   0   0   0
**WSPOSDOM 528007.
**OR515531  218922  0.5   1.0   0   0   0
**PX      2
****
**** Whitney downstream
****
**** Limit to 10,994 ac-ft yr
**WR433001  10994  XMONTH20120302  8
**TO      -7      SUB          WTYT2_DS_LIM  C5157  WH_DS
**TO      -7      SUB          WTYT2_DS_IND  CONT
**TO      -7      SUB          WTYT2_DS_INDSYS
****
**** Diversion from Whitney only
**WR433001  11722.  IND220120302  2  2  0.0000          WTYT2_DS_IND  C5157  WH_DS
**WSBRAWHT 50000.
****OR515731  0   2.0   1.0   0   0   0   1
****WGRNBRY 124128.
****OR515631  46500   1.0   -1   0   0   0
****WSPOSDOM 528007.
****OR515531  218922  0.5   1.0   0   0   0
**LO      13      SET          WTYT2_DS_LIM
**PX      2
****
**** Backup from system. Change ID to reflect diversion location
**WR433001  0.   IRR220120302  2  2  0.0000          WTYT2_DS_IRR  C5157  WH_DS
**WR433001  0.   IRR220120302  2  2  0.0000          WTYT2_DS_INDSYS  C5157  WH_DS
**WSBRAWHT 50000.
****OR515731  0   2.0   1.0   0   0   0   1
****WGRNBRY 124128.
****OR515631  46500   1.0   -1   0   0   0
****WSPOSDOM 528007.
****OR515531  218922  0.5   1.0   0   0   0
****BU
****LO      13      SET          WTYT2_DS_LIM  CONT
****LO      6      SUB          WTYT2_DS_INDSYS
****PX      2
****
****
**** Backup of Temple.
**** Limit to 26,190 ac-ft yr
****
****WR293831 30453.  MUN220120302  2  2  0.0000          BLNT2_DS_TEMPLE  C5160  BE_DS
****WSBRABEL 418951.
****OR516031
****SO      26190
****PX      2
****
**** Belton Downstream irrigation - assume at P40121, Belton only
****
**WRP40121  200.   IRR220120302  2  2  0.0000          BLNT2_DS_IRR  C5160  BE_DS
**WSBRABEL 418951.
**OR516031
**PX      2
****
**** Stillhouse downstream
**WRLABE52  8.   IRR320120302  2  2  0.0000          STIT2_DS_IRR  C5161  SH_DS
**WSSLHSE 225716.
**OR516131
**PX      2
****
**** Limestone downstream, take all at CON145
****
**** Limit to 7,004 ac-ft yr
****
**WR433001  7004  XMONTH20120302  8
**TO      -7      SUB          LLST2_DS_LIM  C5165  LS_DS
**TO      -7      SUB          LLST2_DS_MUN  CONT
**TO      -7      SUB          LLST2_DS_TMPA
****
**WRCON145  4000.  MUN320120302  2  2  0.0000          LLST2_DS_MUN  C5165  LS_DS
**WSLMSTNE 185502.
**OR516531
**LO      13      SET          LLST2_DS_LIM
**PX      2
****
**** TPA contract amount
****
**WR530701  3600   20120302  2  1  1.0000  DUMGIB          LLST2_DS_TMPA  C5165  LS_DS
**WSLMSTNE 185502.
**OR516531

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```

**LO 13 SET LLST2_DS_LIM CONT
**LO 6 SUB LLST2_DS_MUN
**PX 2
****
**** BRA system modeling
****
**** Lorena, Marlin, Rosebud
**** Limit to 2,300 ac-ft/yr
****
**WRBRHB42 2300. MUN220120302 2 2 0.0000 HIBT2_DS_MUN C5157 WH_DS
**WSBRAWHT 50000. 0 1
**OR515731 0 2.0 1.0 0 0 0
****WGRNBRY 124128. 0
****OR515631 46500 1.0 -1 0 0 0
**WSPOSDOM 528007. 0
**OR515531 218922 0.5 1.0 0 0 0
**WSAQUILA 35755. 35000
**OR515831 35000 1.0 1.0 0 0 0
**SO 2300
**PX 2
****
**** College station - future demand
**** System
**** System - Put at CON122, just below Bryan gage
**** Change to YEGBR since below Bryan gage (BBZT2)
**** Limit to 2650 ac-ft yr
****
**WRCON130 2650 XMONTH20120302 8 YEGBR_DS_LIM C5157 WH_DS
**TO -7 SUB YEGBR_DS_MUN CONT
**TO -7 SUB YEGBR_DS_IRR
****
**WRBRBR59 2500. MUN320120302 2 2 0.0000 BBZT2_DS_MUN C5157 WH_DS
**WRCON122 2500. MUN320120302 2 2 0.0000 YEGBR_DS_MUN C5157 WH_DS
**WSBRAWHT 50000. 0 1
**OR515731 0 2.0 1.0 0 0 0
****WGRNBRY 124128. 0
****OR515631 46500 1.0 -1 0 0 0
**WSPOSDOM 528007. 0
**OR515531 218922 0.5 1.0 0 0 0
****WGRNGER 46198. 0
****OR516331 19650 1.0 1.0 0 0 0
****WGRGTWN 37354. 0
****OR516231 11130 1.0 -1 0 0 0
****WSSTLHSE 225716. 0
****OR516131 70710 1.0 1.0 0 0 0
****WSBRABEL 418951. 0 3 -1
****OR516031 137280 1.0 0.1 0 0 0
**LO 13 SET YEGBR_DS_LIM
**PX 2
****
**** System demand Bryan gage
****
**WRBRBR59 200. IRR320120302 2 2 0.0000 BBZT2_DS_IRR C5157 WH_DS
**WSBRAWHT 50000. 0 1
**OR515731 0 2.0 1.0 0 0 0
****WGRNBRY 124128. 0
****OR515631 46500 1.0 -1 0 0 0
**WSPOSDOM 528007. 0
**OR515531 218922 0.5 1.0 0 0 0
****WGRNGER 46198. 0
****OR516331 19650 1.0 1.0 0 0 0
****WGRGTWN 37354. 0
****OR516231 11130 1.0 -1 0 0 0
****WSSTLHSE 225716. 0
****OR516131 70710 1.0 1.0 0 0 0
****WSBRABEL 418951. 0 3 -1
****OR516031 137280 1.0 0.1 0 0 0
**PX 2
****
****
**WRCON130 150. IRR320120302 2 2 0.0000 YEGBR_DS_IRR C5157 WH_DS
**WSBRAWHT 50000. 0 1
**OR515731 0 2.0 1.0 0 0 0
****WGRNBRY 124128. 0
****OR515631 46500 1.0 -1 0 0 0
**WSPOSDOM 528007. 0
**OR515531 218922 0.5 1.0 0 0 0
****WGRNGER 46198. 0
****OR516331 19650 1.0 1.0 0 0 0
****WGRGTWN 37354. 0
****OR516231 11130 1.0 -1 0 0 0
****WSSTLHSE 225716. 0
****OR516131 70710 1.0 1.0 0 0 0

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****WSBRABEL 418951.          0          3      -1
**OR516031 137280      1.0      0.1      0      0      0
**LO      13          SET          YEGBR_DS_LIM      CONT
**LO      6          SUB          YEGBR_DS_MUN
**PX      2
****
****
**** Alcoa contract
**** Limit to 4583 ac-ft/yr
****
**WR375801 5000      20120302  2  1  1.0000  AL_DUM          GLKT2_DS_IND  C5163  GN_DS
****WSGRNGER 46198.          0
****OR516331 19650      1.0      1.0      0      0      0
**WSBRABEL 418951.          0          3      -1
**OR516031 137280      1.0      1.0      0      0      0
****WSGRGTWN 37354.          0
****OR516231 11130      0.1      -1      0      0      0
**WSTLHSE 225716.          0
**OR516131 70710      1.0      1.0      0      0      0
**SO          4583
**PX      2
****
**** downstream irr - System demand
****
**WRW12421 540.      IRR420120302  2  2  0.0000          NAVBR_DS_IRR  C5164  SO_DS
**WSSMRVLE 135891.          500
**OR516431 48033      1.0      1.0      0      0      0
**WSBRAWHT 50000.          0          1
**OR515731 0      2.0      1.0      0      0      0
****WSLMSTNE 185502.          0
****OR516531 67620      1.0      1.0      0      0      0
****WSGRNBRY 124128.          0
****OR515631 46500      1.0      -1      0      0      0
**WSPOSDOM 528007.          0
**OR515531 218922  0.5      1.0      0      0      0
****WSGRNGER 46198.          0
****OR516331 19650      1.0      1.0      0      0      0
****WSTLHSE 225716.          0
****OR516131 70710      1.0      1.0      0      0      0
****WSBRABEL 418951.          0          3      -1
****OR516031 137280      1.0      0.1      0      0      0
**PX      2
****
**** Demands at Richmond
****
**** Limit to 97,072 ac-ft yr
**** not limiting because NRG can be assigned to excess flows
****
**WRBRR170 97072  XMONTH20120302  8          RMOT2_SYS_LIM  C5164  SO_DS
**TO      -7          SUB          RMOT2_SYS_IRR  CONT
**TO      -7          SUB          RMOT2_SYS_NRG  CONT
**TO      -7          SUB          RMOT2_SYS_NRG2
****
****
**WRBRR170 50.      IRR420120302  2  2  0.0000          RMOT2_SYS_IRR  C5164  SO_DS
**WSSMRVLE 135891.          500
**OR516431 48033      1.0      1.0      0      0      0
**WSBRAWHT 50000.          0          1
**OR515731 0      2.0      1.0      0      0      0
****WSALLENS 145533.          0
****OR292531 0      1.0      1.0
**WSLMSTNE 185502.          0
**OR516531 67620      1.0      -1      0      0      0
****WSGRNBRY 124128.          0
****OR515631 46500      1.0      1.0      0      0      0
**WSPOSDOM 528007.          0
**OR515531 218922  0.5      1.0      0      0      0
****WSGRNGER 46198.          0
****OR516331 19650      1.0      1.0      0      0      0
****WSTLHSE 225716.          0
****OR516131 70710      1.0      1.0      0      0      0
****WSBRABEL 418951.          0          3      -1
****OR516031 137280      1.0      0.1      0      0      0
****LO      13          SET          RMOT2_SYS_LIM
**PX      2
****
****
**** Rosharon
****
**** Limit to 475,310 ac-ft yr
****
**WRBRRO72 475310  XMONTH20120302  8          ROST2_SYS_LIM  C5164  SO_DS
**TO      -7          SUB          ROST2_SYS_MUN  CONT
**TO      -7          SUB          ROST2_SYS_MUN2  CONT

```

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**TO -7 SUB ROST2_SYS_GCWA CONT
**TO -7 SUB ROST2_SYS_GCWA2 CONT
**TO -7 SUB ROST2_SYS_DOW CONT
**TO -7 SUB ROST2_SYS_FIXED CONT
**TO -7 SUB ROST2_SYS_FIXED2 CONT
**TO -7 SUB ROST2_SYS_YIELD2 CONT
**TO -7 SUB ROST2_SYS_YIELD
****
**** Reduce to contract amount
****
**** 1950s drought
**WRBRRO72 12720. MUN420120302 2 2 0.0000 ROST2_SYS_MUN C5164 SO_DS
**WSSMRVLE 135891. 500
**OR516431 48033 1.0 1.0 0 0 0
**WSBRAWHT 50000. 0 1
**OR515731 0 2.0 1.0 0 0 0
****WSALLENS 145533. 0
****OR292531 0 1.0 1.0
**WSLMSTNE 185502. 0
**OR516531 67620 1.0 -1 0 0 0 1000
**WGRNBRY 124128. 0
**OR515631 46500 0.1 -1 0 0 0
WSPOSDOM 528007. 0
OR515531 218922 0.5 0.1 0 0 0
**WGRNGER 46198. 0
**OR516331 19650 1.0 1.0 0 0 0
**WSTLHSE 225716. 0
**OR516131 70710 1.0 1.0 0 0 0
**WSRABEL 418951. 0 3 -1
**OR516031 137280 1.0 1.0 0 0 0
**TO 13 MUL use_drop1 CONT
**LO 13 SET ROST2_SYS_LIM
**PX 2
**** New drought
**WRBRRO72 12720. MUN420120302 2 2 0.0000 ROST2_SYS_MUN2 C5164 SO_DS
**WSSMRVLE 135891. 500
**OR516431 48033 1.0 1.0 0 0 0
**WSBRAWHT 50000. 0 1
**OR515731 0 2.0 1.0 0 0 0
****WSALLENS 145533. 0
****OR292531 0 1.0 1.0
**WSLMSTNE 185502. 0
**OR516531 67620 1.0 -1 0 0 0
****WGRNBRY 124128. 0
****OR515631 46500 1.0 1.0 0 0 0
**WSPOSDOM 528007. 0
**OR515531 218922 0.5 0.1 0 0 0
****WGRNGER 46198. 0
****OR516331 19650 1.0 1.0 0 0 0
****WSTLHSE 225716. 0
****OR516131 70710 1.0 1.0 0 0 0
****WSRABEL 418951. 0 3 -1
****OR516031 137280 1.0 1.0 0 0 0
**TO 13 MUL use_drop2 CONT
**LO 13 SET ROST2_SYS_LIM CONT
**LO 6 SUB ROST2_SYS_MUN
**PX 2
****
**** NRG backup.
****
**WR532001 20120302 2 1 1.0000 D53251 RMOT2_SYS_NRG C5157 WH_DS
**WSSMRVLE 135891. 500
**OR516431 48033 1.0 1.0 0 0 0
**WSBRAWHT 50000. 0 1
**OR515731 0 2.0 1.0 0 0 0
****WSALLENS 145533. 0
****OR292531 0 1.0 1.0
**WSLMSTNE 185502. 0
**OR516531 67620 1.0 -1 0 0 0 1000
**WGRNBRY 124128. 0
**OR515631 46500 0.1 -1 0 0 0
**WSPOSDOM 528007. 0
**OR515531 218922 0.5 0.1 0 0 0
****WGRNGER 46198. 0
****OR516331 19650 1.0 1.0 0 0 0
****WSTLHSE 225716. 0
****OR516131 70710 1.0 1.0 0 0 0
****WSRABEL 418951. 0 3 -1
****OR516031 137280 1.0 0.1 0 0 0
**TO 5 SET SMTHRS
****TO 5 SET SMTHRS CONT
****LO 13 SET ROST2_SYS_LIM CONT
**LO 6 SUB RMOT2_SYS_IRR
**SO 83000
    
```

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```

**PX      2
**** Fill Smithers
**WR532531      20120302      1      2      0.0000      FILL_NRG      C5157      WH_DS
**WSSMTHRS      17979.      0
**SO      D53251
**PX      2
****
**** Rest of NRG contract - set to 83,000 max diversion of 35,008 under backup and Excess flows = 47,992
**WR532001      83000      IND420120302      2      1      0.0000      RMOT2_SYS_NRG2      C5157      WH_DS
**WSSMRVLE      135891.      500
**OR516431      48033      1.0      1.0      0      0      0
**WSBRAWHT      50000.      0      1
**OR515731      0      2.0      1.0      0      0      0
****WSALLENS      145533.      0
****OR292531      0      1.0      1.0
**WSLMSTNE      185502.      0
**OR516531      67620      1.0      -1      0      0      0      6500
**WSGRNBRY      124128.      0
**OR515631      46500      0.1      -1      0      0      0
**WSPOSDOM      528007.      0
**OR515531      218922      0.5      0.1      0      0      0
****WSGRNGER      46198.      0
****OR516331      19650      1.0      1.0      0      0      0
****WSSTLHSE      225716.      0
****OR516131      70710      1.0      1.0      0      0      0
**WSBRABEL      418951.      0      3      -1
**OR516031      137280      1.0      0.1      0      0      0
**TO      11      1.0      SUB      RMOT2_SYS_NRG
****TO      11      1.0      SUB      RMOT2_SYS_NRG      CONT
****LO      13      SET      RMOT2_SYS_LIM      CONT
****LO      6      SUB      RMOT2_SYS_IRR      CONT
****LO      6      SUB      RMOT2_SYS_NRG
**PX      2
****
**** GCWA fixed demand
****
**** 1950s drought
**WRCON155      48080      20120302      2      2      0.0000      ROST2_SYS_GCWA      C5164      SO_DS
**WSSMRVLE      135891.      500
**OR516431      48033      1.0      1.0      0      0      0
**WSBRAWHT      50000.      0      1
**OR515731      0      2.0      1.0      0      0      0
****WSALLENS      145533.      0
****OR292531      0      1.0      1.0
**WSLMSTNE      185502.      0
**OR516531      67620      1.0      -1      0      0      0      4200
**WSGRNBRY      124128.      0
**OR515631      46500      0.1      -1      0      0      0
****OR515631      46500      1.0      1.0      0      0      0
**WSPOSDOM      528007.      0
**OR515531      218922      0.5      0.1      0      0      0
****WSGRNGER      46198.      0
**OR516331      19650      1.0      1.0      0      0      0
**WSSTLHSE      225716.      0
**OR516131      70710      1.0      1.0      0      0      0
**WSBRABEL      418951.      0      3      -1
**OR516031      137280      1.0      1.0      0      0      0
**TO      13      MUL      use_drop1      CONT
**LO      13      SET      ROST2_SYS_LIM      CONT
**LO      6      SUB      ROST2_SYS_MUN      CONT
**LO      6      SUB      ROST2_SYS_MUN2
**PX      2
****
**** new drought
**WRCON155      48080      20120302      2      2      0.0000      ROST2_SYS_GCWA2      C5164      SO_DS
**WSSMRVLE      135891.      500
**OR516431      48033      1.0      1.0      0      0      0
**WSBRAWHT      50000.      0      1
**OR515731      0      2.0      1.0      0      0      0
****WSALLENS      145533.      0
****OR292531      0      1.0      1.0
**WSLMSTNE      185502.      0
**OR516531      67620      1.0      -1      0      0      0
****WSGRNBRY      124128.      0
****OR515631      46500      1.0      1.0      0      0      0
**WSPOSDOM      528007.      0
**OR515531      218922      0.5      0.1      0      0      0
****WSGRNGER      46198.      0
****OR516331      19650      1.0      1.0      0      0      0
****WSSTLHSE      225716.      0
****OR516131      70710      1.0      1.0      0      0      0
****WSBRABEL      418951.      0      3      -1
****OR516031      137280      1.0      1.0      0      0      0
**TO      13      MUL      use_drop2      CONT

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**LO 13 SET ROST2_SYS_LIM CONT
**LO 6 SUB ROST2_SYS_MUN CONT
**LO 6 SUB ROST2_SYS_MUN2 CONT
**LO 6 SUB ROST2_SYS_GCWA CONT
**PX 2
****
**** DOW backup. System
**** Change to a constant amount
**** Move to Rosharon to apply instream flows
****
**WRBRRO72 16000 IND420120302 2 2 0.0000 ROST2_SYS_DOW C5164 SO_DS
**WSSMRVLE 135891. 500
**OR516431 48033 1.0 1.0 0 0 0
**WSBRAWHT 50000. 0 1
**OR515731 0 2.0 1.0 0 0 0
****WSALLENS 145533. 0
****OR292531 0 1.0 1.0
****WSLMSTNE 185502. 0
****OR516531 67620 1.0 -1 0 0 0
**WSGRNBRY 124128. 0
**OR515631 46500 1.0 1.0 0 0 0
**WSPOSDOM 528007. 0
**OR515531 218922 0.5 0.1 0 0 0
****WSGRNGER 46198. 0
****OR516331 19650 1.0 1.0 0 0 0
****WSSTLHSE 225716. 0
**OR516131 70710 1.0 1.0 0 0 0
**WSBRABEL 418951. 0 3 -1
**OR516031 137280 1.0 0.1 0 0 0
**LO 13 SET ROST2_SYS_LIM CONT
**LO 6 SUB ROST2_SYS_MUN CONT
**LO 6 SUB ROST2_SYS_MUN2 CONT
**LO 6 SUB ROST2_SYS_GCWA CONT
**LO 6 SUB ROST2_SYS_GCWA2 CONT
**PX 2
****
**** System demand at Rosharon
****
**** Set targets to determine operating scheme
**** calculate percent full in subsystems
**** putting priority date at beginning of timestep
****
**WRBRGM73 1 8 gbpk_stor SYSTEM SYSOPS
**TO -4 SET POSDOM CONT
**TO -4 ADD GRNBRY CONT
**TO 15 669415 DIV
**** HDR - revised for 2020 sed conditions
****TO 15 879739 DIV
****
**WRBRGM73 1 8 other_stor SYSTEM SYSOPS
**TO -4 SET AQUILA CONT
**TO -4 ADD BRAWHT CONT
**TO -4 ADD LMSTNE CONT
**TO -4 ADD SMRVLE CONT
**TO 15 439218 DIV
**** HDR - revised for 2020 sed conditions and No Allens Ck
****TO 15 633443 DIV
****TO -4 ADD ALLENS CONT
****TO 15 487910 DIV
****
**WRBRGM73 1 8 little_stor SYSTEM SYSOPS
**TO -4 SET BRABEL CONT
**TO -4 ADD GRGTWN CONT
**TO -4 ADD GRNGER CONT
**TO -4 ADD PRCTOR CONT
**TO -4 ADD STLHSE CONT
**TO 15 789835 DIV
**** HDR - revised for 2020 sed conditions
****TO 15 843300 DIV
****
**** First condition - if PK and Granbury are above trigger then use 1950s drought operating scheme
**** This will be 1 if GBPK are greater than trigger
****
**WRBRGM73 1.0 XMONTH 1 8 gbpk_gt_max SYSTEM SYSOPS
**TO 13 LIM 0.9700 999999 gbpk_stor
**** This will be 0 if GBPK are greater than trigger
**WRBRGM73 1.0 XMONTH 1 8 gbpk_lt_max SYSTEM SYSOPS
**TO 13 LIM 0.1 gbpk_gt_max
****
**** Next see if other two subsystems are greater than trigger
** This will be 1 if other reservoirs are greater than trigger
**WRBRGM73 1.0 XMONTH 1 8 other_gt_max SYSTEM SYSOPS
**TO 13 LIM 0.70 999999 other_stor

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****
**** This will be 1 if Little River reservoirs are greater than trigger
**WRBRGM73 1.0 XMONTH 1 8 little_gt_max SYSTEM SYSOPS
**TO 13 LIM 0.900 999999 little_stor
****
**** Combine to single trigger that checks if conditions for flipping to recent drought operating scheme are in place
**** This will be 1 if other subsystems are greater than trigger
**WRBRGM73 1 8 rest_gt_max SYSTEM SYSOPS
**TO 13 SET other_gt_max CONT
**TO 13 MUL little_gt_max
**** This will be 0 if other subsystems are greater than trigger
**WRBRGM73 1.0 XMONTH 1 8 rest_lt_max SYSTEM SYSOPS
**TO 13 LIM 0.1 rest_gt_max
**** Second condition. Add condition that GBPK must be less than trigger. This signals months when you flip
**WRBRGM73 1 8 start_dr2 SYSTEM SYSOPS
**TO 13 SET rest_gt_max CONT
**TO 13 MUL gbpk_lt_max
****
**** If neither first nor second condition are true, use what happened last month
**** Set to 1 if using 1950s operation scheme
**WRBRGM73 1.0 XMONTH 1 8 use_drop1_prev SYSTEM SYSOPS
**TO -13 LIM 0.9 use_drop1 CONT
**TO 13 MUL gbpk_lt_max CONT
**TO 13 MUL rest_lt_max
** Combine so that this will be greater than 0 when using 1950s drought operating scheme
**WRBRGM73 1 8 use_drop1 SYSTEM SYSOPS
**TO 13 SET gbpk_gt_max CONT
**TO 13 ADD use_drop1_prev
****
**WRBRGM73 1.0 XMONTH 1 8 use_drop2_prev SYSTEM SYSOPS
**TO -13 LIM 0.9 use_drop2 CONT
**TO 13 MUL gbpk_lt_max CONT
**TO 13 MUL rest_lt_max
**WRBRGM73 1 8 use_drop2 SYSTEM SYSOPS
**TO 13 SET start_dr2 CONT
**TO 13 ADD use_drop2_prev
****
**** New drought modeling
****
**WRBRRO72 162000 MUN420120302 2 2 0.0000 ROST2_SYS_FIXED2 SYSTEM SYSOPS
**WSSMRVLE 135891. 500
**OR516431 48033 1.0 1.0 0 0 0
**WSBRAWHT 50000. 0 1
**OR515731 0 2.0 1.0 0 0 0
****WSALLENS 145533. 0
****OR292531 0 1.0 1.0
**WSLMSTNE 185502. 0
**OR516531 67620 1.0 1.0 0 0 0
****WSGRNBRY 124128. 0
****OR515631 46500 1.0 1.0 0 0 0
**WSPOSDOM 528007. 100
**OR515531 218922 0.7 1.0 0 0 0
****WSGRNGER 46198. 0
****OR516331 19650 1.0 1.0 0 0 0
****WSSTLHSE 225716. 0
****OR516131 70710 1.0 1.0 0 0 0
****WSBRABEL 418951. 0 3 -1
****OR516031 137280 1.0 0.1 0 0 0
****WSAQUILA 35755. 1000
****OR515831 15720 1.0 1.0 0 0 0 10000
****WSPRCTOR 48644. 40000
****OR515931 40000 1.0 1.0 0 0 0
**TO 13 MUL use_drop2 CONT
**LO 13 SET ROST2_SYS_LIM CONT
**LO 6 SUB ROST2_SYS_MUN CONT
**LO 6 SUB ROST2_SYS_MUN2 CONT
**LO 6 SUB ROST2_SYS_GCWA CONT
**LO 6 SUB ROST2_SYS_GCWA2 CONT
**LO 6 SUB ROST2_SYS_DOW CONT
**PX 2
****
**WRBRRO72 254000 MUN420120302 2 2 0.0000 ROST2_SYS_YIELD2 SYSTEM SYSOPS
**WSSMRVLE 135891. 500
**OR516431 48033 1.0 1.0 0 0 0
**WSBRAWHT 50000. 0 1
**OR515731 0 2.0 1.0 0 0 0
****WSALLENS 145533. 0
**OR292531 0 2.0 1.0
**WSLMSTNE 185502. 0
**OR516531 67620 1.3 1.5 0 0 0
**WSGRNBRY 124128. 0
**OR515631 46500 1.5 1.0 0 0 0
**WSPOSDOM 528007. 100
**OR515531 218922 1.0 1.0 0 0 0

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**WSGRNGER 46198. 0
**OR516331 19650 1.0 0.5 0 0 0
**WSSTLHSE 225716. 0
**OR516131 70710 0.1 0.5 0 0 0
**WSBRABEL 418951. 0 3 -1
**OR516031 137280 1.0 1.0 0 0 0
**WSAQUILA 35755. 1000
**OR515831 15720 1.0 1.0 0 0 0 11000
****WSPRCTOR 48644. 40000
****OR515931 40000 1.0 1.0 0 0 0
**TO 13 MUL use_drop2 CONT
**LO 13 SET ROST2_SYS_LIM CONT
**LO 6 SUB ROST2_SYS_MUN CONT
**LO 6 SUB ROST2_SYS_MUN2 CONT
**LO 6 SUB ROST2_SYS_GCWA CONT
**LO 6 SUB ROST2_SYS_GCWA2 CONT
**LO 6 SUB ROST2_SYS_DOW CONT
**LO 6 SUB ROST2_SYS_FIXED2
**PX 2
****
**** 1950s drought
****
**WRBRRO72 151000 MUN420120302 2 2 0.0000 ROST2_SYS_FIXED SYSTEM SYSOPS
**WSSMRVLE 135891. 500
**OR516431 48033 1.0 1.0 0 0 0
**WSBRAWHT 50000. 0 1
**OR515731 0 2.0 1.0 0 0 0
****WSALLENS 145533. 0
****OR292531 0 1.0 1.0
**WMLMSTNE 185502. 6000
**OR516531 67620 1.0 1.0 0 0 0 14800
**WSGRNBRY 124128. 0
**OR515631 46500 0.1 -1 0 0 0
**WSPOSDOM 528007. 30000
**OR515531 218922 1.0 1.0 0 0 0
****WSGRNGER 46198. 0
****OR516331 19650 1.0 1.0 0 0 0
****WSSTLHSE 225716. 0
****OR516131 70710 1.0 1.0 0 0 0
****WSBRABEL 418951. 0 3 -1
****OR516031 137280 1.0 0.1 0 0 0
****WSAQUILA 35755. 1000
****OR515831 15720 1.0 1.0 0 0 0 10000
****WSPRCTOR 48644. 40000
****OR515931 40000 1.0 1.0 0 0 0
**TO 13 MUL use_drop1 CONT
**LO 13 SET ROST2_SYS_LIM CONT
**LO 6 SUB ROST2_SYS_MUN CONT
**LO 6 SUB ROST2_SYS_MUN2 CONT
**LO 6 SUB ROST2_SYS_GCWA CONT
**LO 6 SUB ROST2_SYS_GCWA2 CONT
**LO 6 SUB ROST2_SYS_DOW CONT
**LO 6 SUB ROST2_SYS_FIXED2 CONT
**LO 6 SUB ROST2_SYS_YIELD2
**PX 2
****
**WRBRRO72 265000 MUN420120302 2 2 0.0000 ROST2_SYS_YIELD SYSTEM SYSOPS
**WSSMRVLE 135891. 500
**OR516431 48033 1.0 1.0 0 0 0
**WSBRAWHT 50000. 0 1
**OR515731 0 2.0 1.0 0 0 0
****WSALLENS 145533. 0
****OR292531 0 1.0 1.0
**WMLMSTNE 185502. 0
****OR516531 67620 1.0 -1 0 0 0
**WSGRNBRY 124128. 0
**OR515631 46500 1.0 -1 0 0 0
**WSPOSDOM 528007. 100
**OR515531 218922 0.5 0.1 0 0 0
****WSGRNGER 46198. 0
****OR516331 19650 1.0 1.0 0 0 0
****WSSTLHSE 225716. 0
**OR516131 70710 1.0 1.0 0 0 0
**WSBRABEL 418951. 0 3 -1
**OR516031 137280 1.0 0.1 0 0 0
**WSAQUILA 35755. 1000
**OR515831 15720 0.5 0.1 0 0 0 11000
****OR515831 15720 1.0 1.0 0 0 0 10000
****WSPRCTOR 48644. 40000
****OR515931 40000 1.0 1.0 0 0 0
**TO 13 MUL use_drop1 CONT
**LO 13 SET ROST2_SYS_LIM CONT
**LO 6 SUB ROST2_SYS_MUN CONT
**LO 6 SUB ROST2_SYS_MUN2 CONT

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**LO      6          SUB          ROST2_SYS_GCWA    CONT
**LO      6          SUB          ROST2_SYS_GCWA2   CONT
**LO      6          SUB          ROST2_SYS_DOW     CONT
**LO      6          SUB          ROST2_SYS_FIXED2  CONT
**LO      6          SUB          ROST2_SYS_YIELD2  CONT
**LO      6          SUB          ROST2_SYS_FIXED   CONT
**PX      2
****
****  refill
****
**WR515531          20120302  1  2  0.0000          PSMT2_DS_FILL  C5155  PK_DS
**WSPOSDOM 528007.          0
**PX      2
****
**WR515631          20120302  1  2  0.0000          GBYT2_DS_FILL  C5156  GB_DS
**WSGRNBRY 124128.          0
**PX      2
****
**WR515731          20120302  1  2  0.0000          WTYT2_DS_FILL  C5157  WH_DS
**WSBRAWHT 50000.          1
**PX      2
****
**WR515831          20120302  1  2  0.0000          ALAT2_DS_FILL  C5158  AQ_DS
**WSAQUILA 35755.          0
**PX      2
****
**WR515931          20120302  1  2  0.0000          PCTT2_DS_FILL  C5159  PR_DS
**WSPRCTOR 48644.          0
**PX      2
****
**WR516031          20120302  1  2  0.0000          BLNT2_DS_FILL  C5160  BE_DS
**WSBRABEL 418951.          0          3          -1
**PX      2
****
**WR516131          20120302  1  2  0.0000          STIT2_DS_FILL  C5161  SH_DS
**WSSTLHSE 225716.          0
**PX      2
****
**WR516231          20120302  1  2  0.0000          GGLT2_DS_FILL  C5162  GT_DS
**WSGRGTWN 37354.          0
**PX      2
****
**WR516331          20120302  1  2  0.0000          GLKT2_DS_FILL  C5163  GN_DS
**WSGRNGER 46198.          0
**PX      2
****
**WR516431          20120302  1  2  0.0000          SOMT2_DS_FILL  C5164  SO_DS
**WSSMRVLE 135891.          0
**PX      2
****
**WR516531          20120302  1  2  0.0000          LLST2_DS_FILL  C5165  LS_DS
**WSLMSTNE 185502.          0
**PX      2
****
****WR292531      0.          20120302          ALLENS_RF2_9  SYSTEM
****WSALLENS 145533.
****PX      2
****
****  Pick up any available BRA releases
****
WR515631          99999999  1  2  0.0000          GBYT2_DS_FILL2 C5156  GB_DS
WSGRNBRY 124128.          0
PX      2
****
WR515731          99999999  1  2  0.0000          WTYT2_DS_FILL2 C5157  WH_DS
WSBRAWHT 50000.          1
PX      2
****
****
** End of System Operation Modeling
**
** Allens Creek refill under Excess Flows permit (CA 5166)
**
**IFBRRRI70 797121.  DAYS99999999  2  1          IFEXCESS
** Using new LO record and type 8 water right to set dpetition limits. Won't work with earier versions of WRAP
** CONT option doesn't seem to be working with LO record, so using type 8 right to set target
**WRAC_LIM 130680  XMONTH99999999  8  1          TARGET_EXCESS ALLENS  C5166
**TO      6          SUB          TESTWR1
**
**WR292531          99999999  1  1          ALLENS_EXCESS ALLENS  C5166
**WSALLENS 145533
**ML9999999 999999  999999  999999  999999  999999  999999  999999  999999  6000  5000  3000
**SO      292504
**LO      13          TARGET_EXCESS

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**PX      2
**SO      130680      292504
** SV/SA RECORDS
** Aquilla, Whitney, Granbury, Limestone, Possum Kingdom, Somerville SVSA updated for 2050 sed conditions
** All other reservoirs use 2020 sediment condations SVSAs with conservatoin capacities for 2050 sed condtions set in WS records.
**Alcoa 12190 SD
SV121901  0.    52.    257.    485.    783.    1181.    1685.    2611.    3621.    4839.    6716.    9390.
SA        0.    7.     13.     17.     23.     30.     38.     59.     74.     97.     158.    379.
**Alcoa Inc., App. 12-5816, IO
SV R5816  0  95.25  126.68  354.72  474.64  1417.9  1696.73  2389.45  3326.04  3645.39  4237.11  4380.45
SA        0  5.69   9.5    21.767  26.31   51.35   60.28   78.43   110.62  125.9   159.2   169
**
**Alcoa Inc., App. 5803
SV580331  0.    7.41   26.81   55.85   98.62   159.27  240.89  344.60  476.27  650.02  926.48  936.29
SA        0.0  2.9    4.8     7.3     10.1    14.4    18.4    23.2    29.7    43.7    65.2    65.6
SV580332  0.    22.45  152.53  507.10  1002.25  1625.94  2366.90  3372.88  5043.44  7019.37  9797.05  13492
SA        0.0  2.7    13.5    21.4    28.1    34.2    40.0    68.8    92.4    104.4   118.3   190.5
** SV/SA RECORD FOR WHEELER BRANCH RESERVOIR, APP. 5744
SV 5744W  0.    307    670    1252    2122    3339    3791    3952    4118    4826    5013    5605
SA        0.    28     45     72     103    143    158    164    169    185    189    200
**
**Paul Weinman Application 5665
SV R5665  0.    612.    1224.    1836.
SA        0.    612.    612.    612.
**
SVBRUTIL  0.    20.    62.    400.    600.    1200.    2200.    3750.    5500.    8000.    11000.    15227.
SA        0.    5.    20.    50.    90.    150.    240.    330.    440.    560.    680.    839.
SVBRUSHY  0.    1.    68.    363.    1059.    2208.    3884.    6214.    9269.    13119.    17868.    20608.
SA        0.    1.    33.    115.    234.    341.    497.    668.    860.    1065.    1310.    1430.
SVEGLNST  0.    6498.    11315.    17797.
SA        0.    1594.    2260.    2926.
**SVPOSTRE  0.    281.    2561.    7155.    14243.    24154.    37742.    57420.    83420.
**SA        0.    84.    355.    560.    854.    1128.    1655.    2283.    2915.
**SVALLENS  0.    719.    2046.    4233.    7276.    11171.    25952.    37803.    63687.    90524.    124692.    145533.
**SA        0.    924.    1775.    2627.    3478.    4329.    5527.    6326.    6616.    6767.    6902.    7003.
SVABILNE  0.    354.    1589.    4351.
SA        0.    127.    323.    595.
SVALANHN  0.    460.    4987.    12382.    22461.    35397.    42997.    51412.    60824.    71207.    82766.    95883.
SA        0.    282.    595.    874.    1140.    1442.    1598.    1786.    1979.    2187.    2446.    2800.
SVALCOAL  0.    217.    434.    987.    3050.    5062.    6130.    7915.    9701.    10893.    11390.    14537.
SA        0.    33.    77.    132.    319.    454.    508.    590.    672.    726.    754.    880.
** HDR - Replaced with 2050 SVSA
**SVAQUILA  0.    453.    2218.    5703.    8135.    11070.    14459.    18442.    23118.    28508.    34758.    42025.
**SA        0.    205.    504.    868.    1081.    1265.    1458.    1731.    2007.    2310.    2689.    3084.
SVAQUILA  0.    231.    1807.    3235.    5119.    7499.    10333.    13766.    17909.    22801.    28618.    35755.
SA        0.    156.    490.    651.    860.    1042.    1236.    1513.    1799.    2120.    2533.    3084.
SVBELTON  0.    1669.    6450.    17187.    36104.    65139.    107574.    163149.    235103.    328492.    383235.    430951.
SA        0.    295.    693.    1493.    2323.    3511.    4956.    6293.    8272.    10444.    11454.    12445.
SVBFSPRG  0.    22.    97.    256.    519.    901.    1427.    2112.    2959.
SA        0.    8.    22.    41.    65.    89.    122.    152.    183.
SVCAMCRK  0.    42.    198.    510.    994.    1648.    2465.    3435.    4548.    5799.    6476.
SA        0.    42.    114.    199.    285.    370.    447.    523.    591.    660.    695.
SVCISCO  0.    45.    260.    711.    1654.    3391.    6128.    8490.    10266.    16613.    25597.
SA        0.    7.    31.    70.    129.    214.    334.    439.    509.    735.    1050.
SVDANIEL  0.    243.    508.    1030.    1555.    2240.    3099.    4136.    5362.    6784.    8429.    9343.
SA        0.    58.    127.    226.    302.    386.    475.    564.    660.    764.    878.    948.
SVFPHNHR  0.    274.    1597.    2181.    4167.    5835.    7871.    14377.    22838.    33556.    47344.    67077.
SA        0.    120.    347.    432.    728.    936.    1102.    1488.    1894.    2421.    3029.    4213.
SVGRGTWN  0.    59.    116.    535.    1739.    3915.    7091.    11325.    16972.    24211.    32974.    37984.
SA        0.    15.    23.    102.    210.    332.    452.    609.    816.    995.    1200.    1307.
SVGIBCRK  0.    63.    253.    847.    2107.    3507.    5350.    7350.    10286.    13524.    21232.    25770.
SA        0.    24.    189.    376.    617.    781.    969.    1132.    1422.    1658.    2005.    2328.
SVEDLGRM  0.    164.    786.    1149.    1603.    2156.    2835.    3623.    4518.    5424.    6352.    7294.
SA        0.    82.    230.    291.    357.    439.    524.    597.    672.    747.    822.    900.
** HDR - Replaced with 2050 SVSA
**SVGRNBRY  0.    201.    1215.    3283.    6923.    12771.    21672.    33932.    50826.    75388.    111746.    132468.
**SA        0.    97.    255.    452.    776.    1198.    1757.    2359.    3353.    4904.    7173.    8172.
SVGRNBRY  0.    820.    4255.    9104.    16977.    22152.    35422.    54764.    67811.    83761.    103485.    124128.
SA        0.    202.    613.    1029.    1585.    1866.    2640.    3934.    4769.    5941.    7084.    8172.
SVGRNGER  0.    216.    1018.    1806.    3055.    4734.    6789.    9278.    12218.    15641.    19605.    50758.
SA        0.    123.    311.    491.    747.    929.    1133.    1357.    1595.    1839.    2126.    4159.
SVHUBBRD  0.    4866.    13479.    27316.    36531.    54720.    79136.    110302.    149258.    197020.    253913.    321006.
SA        0.    990.    1905.    2749.    3412.    4495.    5828.    7405.    9233.    11104.    13098.    14922.
SVKIRBY  0.    41.    25.    492.    1800.    4241.    4857.    6022.
SA        0.    11.    32.    155.    369.    607.    622.    680.
SVLAKECR  0.    118.    277.    495.    1218.    1729.    2317.    3885.    4871.    5968.    7219.    7706.
SA        0.    44.    75.    109.    183.    214.    266.    365.    416.    470.    526.    552.
SVLDAVIS  0.    37.    98.    207.    375.    612.    924.    1332.    1880.    2602.    3505.    3892.
SA        0.    19.    42.    67.    102.    136.    176.    232.    315.    408.    495.    547.
SVLKLEON  0.    231.    1027.    2585.    4442.    5738.    7263.    11088.    13424.    18933.    22174.    26458.
SA        0.    38.    135.    293.    465.    565.    664.    876.    986.    1214.    1383.    1600.
SVLKWACO  0.    216.    371.    804.    1693.    3670.    14027.    28969.    52594.    78971.    144850.    186767.
SA        0.    26.    39.    110.    174.    1003.    2407.    3567.    4449.    5290.    7169.    8190.
SVLMSTNE  0.    165.    2421.    7995.    17637.    23923.    31045.    39252.    49050.    60474.    73498.    199932.

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Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

SA	0.	233.	947.	1883.	2940.	3336.	3814.	4426.	5301.	6123.	6892.	12486.
SVMEXIA	0.	27.	113.	291.	538.	923.	1425.	3215.	4423.			
SA	0.	39.	102.	172.	236.	319.	465.	865.	1009.			
SVMLRCRK	0.	133.	478.	1409.	2493.	3961.	5920.	8514.	13314.	18311.	22126.	
SA	0.	92.	182.	324.	439.	589.	787.	1023.	1502.	1981.	2437.	
SVMNLWL	0.	65.	347.	588.	908.	1274.	1714.	2213.	2751.	3414.	4242.	5324.
SA	0.	43.	98.	146.	172.	196.	238.	260.	278.	391.	429.	477.
SVPLNTO	0.	10.	69.	269.	687.	1665.	3657.	6096.	13129.	22390.	26656.	
SA	0.	3.	23.	58.	118.	308.	480.	763.	1563.	2088.	2176.	
SVCLEBRN	0.	438.	912.	1693.	2881.	4097.	5835.	7696.	10431.	13391.	20752.	25300.
SA	0.	136.	217.	305.	398.	504.	653.	780.	940.	1106.	1464.	1568.
** HDR - Replaced with 2050 SVSA												
**SVPOSDOM	0.	999.	7242.	27857.	52849.	89385.	138858.	202919.	286161.	397908.	469060.	536947.
**SA	0.	312.	927.	2008.	3026.	4280.	5633.	7242.	9561.	12774.	15928.	17914.
SVPOSDOM	0.	2682.	11123.	25458.	49428.	84890.	133273.	196268.	278517.	389419.	460249.	528007.
SA	0.	557.	1121.	1909.	2920.	4171.	5525.	7138.	9468.	12701.	15874.	17914.
SVPRCTOR	0.	205.	1735.	4156.	7494.	12066.	17737.	24614.	32892.	38429.	44565.	53474.
SA	0.	301.	680.	999.	1367.	1734.	2134.	2474.	3402.	3892.	4316.	4615.
SVSMTHRS	0.	68.	991.	2271.	3724.	5338.	7120.	9074.	11194.	13455.	15818.	18247.
SA	0.	656.	1187.	1373.	1530.	1698.	1865.	2043.	2196.	2324.	2401.	2457.
** HDR - Replaced with 2050 SVSA												
**SVSMRVLE	0.	227.	2836.	8951.	18862.	32047.	49460.	71024.	96220.	110433.	125640.	147261.
**SA	0.	399.	1402.	2711.	3821.	4989.	6518.	7764.	9124.	9821.	10433.	11395.
SVSMRVLE	0.	1005.	4969.	12634.	23826.	39710.	60291.	72055.	85000.	99112.	114279.	135891.
SA	0.	744.	1953.	3097.	4392.	6098.	7524.	8227.	9030.	9777.	10420.	11395.
SVSQWCRK	0.	3191.	6181.	10682.	17733.	25048.	35097.	46206.	62136.	79658.	122581.	149648.
SA	0.	307.	419.	568.	792.	989.	1222.	1495.	1817.	2124.	2793.	3169.
SVSTMFRD	0.	278.	680.	2449.	5974.	11608.	15550.	20453.	26317.	33208.	41431.	46132.
SA	0.	138.	268.	662.	1122.	1751.	2200.	2707.	3149.	3769.	4458.	4869.
SVSTLHSE	0.	334.	7240.	14107.	24453.	39300.	59450.	85767.	119188.	162010.	216711.	229286.
SA	0.	102.	553.	842.	1245.	1751.	2310.	2973.	3745.	4859.	6154.	6429.
SVLSWEET	0.	204.	599.	1254.	2233.	3523.	5139.	7192.	9772.	10643.	12953.	16819.
SA	0.	57.	101.	161.	231.	286.	361.	461.	571.	591.	702.	844.
SVTRCRK	0.	112.	616.	1844.	4011.	7172.	11406.	16833.	23623.	32008.	35849.	36597.
SA	0.	46.	156.	336.	530.	735.	960.	1212.	1505.	1848.	1993.	2027.
SVTWOAK	0.	277.	795.	1077.	2483.	5776.	10826.	14047.	17759.	21978.	26694.	29466.
SA	0.	115.	226.	337.	614.	1037.	1493.	1724.	1987.	2232.	2468.	2619.
SVWHTRVR	0.	20.	276.	1147.	2594.	4761.	7611.	11211.	15171.	20006.		
SA	0.	6.	155.	376.	578.	777.	1007.	1235.	1395.	1642.		
** HDR - Replaced with 2050 SVSA												
**SVBRAWHT	0.	1222.	3941.	15712.	34189.	60146.	135211.	207069.	294146.	401404.	540553.	
**SA	0.	208.	562.	1506.	2860.	4460.	7142.	10930.	13810.	17169.	23220.	
SVBRAWHT	0.	677.	8320.	23321.	46506.	116493.	185390.	270109.	375357.	513253.		
SA	0.	222.	1127.	2466.	4062.	6759.	10573.	13492.	16919.	23220.		
**												
** HDR - Upated DI/IS/IP records for 2050 sed condtions												
** FNI change - drought index 1 and 2 for PK FERC requirements (990 feet and 994.5 feet)												
DI	1	1	POSDOM									
IS	4	0	453166	453166	528007							
IP		0	0	100	100							
**												
DI	2	1	POSDOM									
IS	4	0	389419	389419	528007							
IP		0	0	100	100							
**												
** Drought index for Whitney hydropower												
** Elevations 520, 527, 530 and 533												
**												
DI	3	2	BRAWHT	CORWHT								
IS	6	0	395056	395056	454155	454155	513253					
IP		21.78	21.78	44.28	44.28	100	100					
**												
DI	4	2	BRAWHT	CORWHT								
IS	4	0	285144	285144	540554							
IP		0	0	100	100							
**												
EA	1	2	BRAWHT	CORWHT								
EA	2	2	LKWACO	WACO2	WACO4							
EA	3	2	BELTON	BRABEL								
**												
** FNI change												
**IS	4	0	28374	28375	36856							
**DI	5	3	WHITNY	BRA	CORWHT							
**IS	4	0	387024	387025	636100							
**IP		0	0	100	100							
**EA	1	2	WHITNY	BRA	CORWHT							
**EA	2	2	LKWACO	WACO2	WACO4	WACO5						
**												
** END OF FILEED												
ED												

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

WAM INPUT FILE FOR 2050 WITH SYSTEM OPERATIONS (.DAT FILE)

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T1 2050 BRAZOS G WAM -- Brazos River Basin & San Jacinto-Brazos Coastal Basin
T2 System Operation model for WMP Modified for Brazos Trends Study - Year 2050
**
** TWDB BRAZOS TRENDS STUDY - 2050 BRAZOS G WAM
**
** HDR modification from the 2020 and 2070 Brazos G WAM include the following:
**
** (1) 2050 return flow levels are included and linear interpolated from 2020 and 2070 levels included in Brazos G WAM.
** (2) SVSA records and conservation pool capacities updated for 2050 conditions for Aquilla, Granbury, Limestone, Somerville,
PKR, Whitney
** (3) All other SVSA records were not modified and 2050 conservation pool capacities linear interpolated from 2020 and 2070
**
** Note: Modification made to the System Operations Model for development of the Brazos G WAMs are documented in the 2021 Brazos
G
** Water Plan and in the TWDB Brazos Trends Study final report.
**
** MODIFICATIONS BY FNI FOR WMP
**
** (1) Zero 1949 Priority Brazos Electric Cooperative WR downstream of Belton (CP 293901)
** (5) Added option excluding released water for Hale clause rights (now in cc 34 instead of 44)
** (6) Modified Stillhouse-Georgetown pipeline, Belton to Stillhouse pipeline as well
** (7) BRA System Operation based on application run, but with demand at expected locations
** (8) Demands are full use of existing contracts plus new needs identified in regional water plans
**
** FNI modifications can be found by searching for the string "FNI change"
**
**
** JD FIELDS
** NYRS YRST ICHECK CPOUT OUTWR IDSET ADJINC NEGINC EPADJ
JD 76 1940 1 -1 -1 5 -1
**JO 2 3
JO 2 3
**JO 1 2
**
** UC RECORDS
**
UCLYTEST 116 112 100 148 738 1142
UC 354 210 500 270 177 148
** DOUBLE MOUNTAIN FORK NEAR ASPERMONT
UCDM-SUB 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCDM-DRY 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCDM-AVG 246 224 184 178 184 178
UC 123 123 119 123 238 246
UCDM-WET 921 839 491 475 491 475
UC 430 430 416 430 891 921
** SALT FORK NEAR ASPERMONT
UCSF-SUB 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCSF-DRY 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCSF-AVG 246 224 123 119 123 119
UC 61 61 59 61 238 246
UCSF-WET 552 503 307 297 307 297
UC 184 184 178 184 535 552
** BRAZOS RIVER NEAR SEYMOUR
UCSM-SUB 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCSM-DRY 614 559 430 416 430 416
UC 246 246 238 246 594 614
UCSM-AVG 1535 1398 1166 1129 1166 1129
UC 798 798 772 798 1485 1535
UCSM-WET 2823 2573 2148 2079 2148 2079
UC 1964 1964 1901 1964 2732 2823
** CLEAR FORK AT NUGENT
UCNU-SUB 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCNU-DRY 307 280 184 178 184 178
UC 61 61 59 61 297 307
UCNU-AVG 491 447 368 356 368 356
UC 246 246 238 246 475 491
UCNU-WET 798 727 737 713 737 713
UC 552 552 535 552 772 798
** CLEAR FORK AT LUEDERS
UCLU-SUB 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCLU-DRY 430 392 246 238 246 238
UC 61 61 59 61 416 430
UCLU-AVG 614 559 430 416 430 416
UC 307 307 297 307 594 614

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Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



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UCLU-WET	982	895	921	891	921	891
UC	675	675	653	675	950	982
** BRAZOS NEAR SOUTH BEND						
UCSB-SUB	61	56	61	59	61	59
UC	61	61	59	61	59	61
UCSB-DRY	2210	2014	1780	1723	1780	1723
UC	982	982	950	982	2138	2210
UCSB-AVG	4481	4083	3683	3564	3683	3564
UC	2823	2823	2732	2823	4336	4481
UCSB-WET	7366	6712	6138	5940	6138	5940
UC	5831	5831	5643	5831	7128	7366
** BRAZOS NEAR PALO PINTO						
UCPP-SUB	1043	951	1043	1010	1043	1010
UC	1043	1043	1010	1043	1010	1043
UCPP-DRY	2455	2237	2394	2317	2394	2317
UC	2455	2455	2376	2455	2376	2455
UCPP-AVG	3744	3412	4604	4455	4604	4455
UC	4419	4419	4277	4419	3623	3744
UCPP-WET	6138	5594	7366	7128	7366	7128
UC	7366	7366	7128	7366	5940	6138
** BRAZOS NEAR GLEN ROSE						
UCGR-SUB	982	895	982	950	982	950
UC	982	982	950	982	950	982
UCGR-DRY	2578	2349	2885	2792	2885	2792
UC	2271	2271	2198	2271	2495	2578
UCGR-AVG	4726	4307	5647	5465	5647	5465
UC	4297	4297	4158	4297	4574	4726
UCGR-WET	9821	8950	10435	10098	10435	10098
UC	9821	9821	9504	9821	9504	9821
** NORTH BOSQUE RIVER NEAR CLIFTON						
UCNB-SUB	61	56	61	59	61	59
UC	61	61	59	61	59	61
UCNB-DRY	307	280	430	416	430	416
UC	184	184	178	184	297	307
UCNB-AVG	737	671	982	950	982	950
UC	491	491	475	491	713	737
UCNB-WET	1535	1398	2026	1960	2026	1960
UC	1043	1043	1010	1043	1485	1535
** BRAZOS AT WACO						
UCWA-SUB	3437	3132	3437	3326	3437	3326
UC	3437	3437	3326	3437	3326	3437
UCWA-DRY	7366	6712	9207	8910	9207	8910
UC	8593	8593	8316	8593	7128	7366
UCWA-AVG	12890	11746	16573	16038	16573	16038
UC	15345	15345	14850	15345	12474	12890
UCWA-WET	29462	26849	42352	40986	42352	40986
UC	36214	36214	35046	36214	28512	29462
** LEON RIVER AT GATESVILLE						
UCGT-SUB	61	56	61	59	61	59
UC	61	61	59	61	59	61
UCGT-DRY	552	503	614	594	614	594
UC	246	246	238	246	535	552
UCGT-AVG	1228	1119	1473	1426	1473	1426
UC	737	737	713	737	1188	1228
UCGT-WET	3192	2909	3315	3208	3315	3208
UC	1657	1657	1604	1657	3089	3192
** LAMPASAS RIVER NEAR KEMPNER						
UCLA-SUB	614	559	614	594	614	594
UC	614	614	594	614	594	614
UCLA-DRY	1105	1007	1289	1247	1289	1247
UC	982	982	950	982	1069	1105
UCLA-AVG	1657	1510	1780	1723	1780	1723
UC	1412	1412	1366	1412	1604	1657
UCLA-WET	2394	2181	2639	2554	2639	2554
UC	1964	1964	1901	1964	2317	2394
** LITTLE RIVER NEAR LITTLE RIVER						
UCLR-SUB	3376	3076	3376	3267	3376	3267
UC	3376	3376	3267	3376	3267	3376
UCLR-DRY	5033	4587	5831	5643	5831	5643
UC	5156	5156	4990	5156	4871	5033
UCLR-AVG	6752	6153	9207	8910	9207	8910
UC	7366	7366	7128	7366	6534	6752
UCLR-WET	11662	10628	20869	20196	20869	20196
UC	12276	12276	11880	12276	11286	11662
** LITTLE RIVER NEAR CAMERON						
UCCA-SUB	1964	1790	1964	1901	1964	1901
UC	1964	1964	1901	1964	1901	1964
UCCA-DRY	6752	6153	8593	8316	8593	8316
UC	5954	5954	5762	5954	6534	6752
UCCA-AVG	11662	10628	19028	18414	19028	18414
UC	9821	9821	9504	9821	11286	11662
UCCA-WET	28235	25730	46649	45144	46649	45144
UC	20255	20255	19602	20255	27324	28235
** BRAZOS AT BRYAN						

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UCBR-SUB	18414	16781	18414	17820	18414	17820
UC	18414	18414	17820	18414	17820	18414
UCBR-DRY	33145	30205	43580	42174	43580	42174
UC	38669	38669	37422	38669	32076	33145
UCBR-AVG	52787	48104	77339	74844	77339	74844
UC	56470	56470	54648	56470	51084	52787
UCBR-WET	108029	98446	150995	146124	150995	146124
UC	90229	90229	87318	90229	104544	108029
** NAVASOTA RIVER NEAR EASTERLY						
UCEA-SUB	61	56	61	59	61	59
UC	61	61	59	61	59	61
UCEA-DRY	552	503	614	594	614	594
UC	184	184	178	184	535	552
UCEA-AVG	859	783	1166	1129	1166	1129
UC	491	491	475	491	832	859
UCEA-WET	1412	1287	1780	1723	1780	1723
UC	982	982	950	982	1366	1412
** BRAZOS AT HEMPSTEAD						
UCHE-SUB	31304	28527	31304	30294	31304	30294
UC	31304	31304	30294	31304	30294	31304
UCHE-DRY	56470	51460	69359	67122	69359	67122
UC	58311	58311	56430	58311	54648	56470
UCHE-AVG	88387	80546	116622	112860	116622	112860
UC	81635	81635	79002	81635	85536	88387
UCHE-WET	177388	161652	211147	204336	211147	204336
UC	125829	125829	121770	125829	171666	177388
** BRAZOS AT RICHMOND						
UCRC-SUB	33759	30764	33759	32670	33759	32670
UC	33759	33759	32670	33759	32670	33759
UCRC-DRY	60766	55376	73042	70686	73042	70686
UC	57083	57083	55242	57083	58806	60766
UCRC-AVG	101277	92293	131353	127116	131353	127116
UC	81635	81635	79002	81635	98010	101277
UCRC-WET	203168	185145	244292	236412	244292	236412
UC	134422	134422	130086	134422	196614	203168
** BRAZOS AT ROSHARON						
UCRO-SUB	26393	24052	26393	25542	26393	25542
UC	26393	26393	25542	26393	25542	26393
UCRO-DRY	69973	63766	76725	74250	76725	74250
UC	57083	57083	55242	57083	67716	69973
UCRO-AVG	128284	116904	157747	152658	157747	152658
UC	87160	87160	84348	87160	124146	128284
UCRO-WET	288486	262895	290942	281556	290941	281556
UC	161429	161429	156222	161429	279180	288486
**						
** FNI change - new UC records						
UC DAYS	31.	28.25	31.	30.	31.	30.
UC	31.	31.	30.	31.	30.	31.
** PK FERC						
UCPKFERC	0.05813	0.05297	0.11626	0.11252	0.11626	0.11252
UC	0.08721	0.08721	0.08439	0.05813	0.05626	0.05813
** Stillhouse GT pipeline						
UC PIPE	0.07	0.07	0.07	0.08	0.09	0.09
UC	0.10	0.10	0.09	0.08	0.08	0.08
**						
**City of Waco, App. 5840, IO, 8/8/06						
UCIFWCRE	20163.	19489.	31413.	31827.	41740.	38490.
UC	30129.	30129.	14337.	10696.	7496.	17643.
**						
**City of Cleburne, Instream Flow Restriction, App. No. 12-4106C, FM, 3/31/05						
UC4106IF	197	178	498	482	498	262
UC	74	74	71	74	71	74
**						
** end FNI change						
** Smiling Mallard Development, 5788, sj						
UCIF5788	1.84	1.67	3.69	1.79	1.84	0.60
UC	0.00	0.00	0.00	0.00	0.00	0.62
** TXU Kosse Lignite, 5931, 9/29/06, io						
UC 5931	75	75	85	85	90	90
UC	90	90	85	85	75	75
**						
UC MERID	11	14	37	40	64	40
UC	11	4	6	5	8	9
** Bandy, Monthly Diversion Distribution, 12-4191, jd - 3/30/04						
UC BANDY	0.03	0.03	0.05	0.08	0.10	0.12
UC	0.15	0.15	0.15	0.08	0.03	0.03
**Alcoa Inc., App. 12-5816, 8/24/05, io						
UC5816DI	0	0	54	54	54	108
UC	108	109	55	54	54	0
**Alcoa Inc., Monthly Diversion Distribution, 12-5803, FM-12/29/03						
UC ALCOA	0	0	54	54	54	108
UC	108	109	55	54	54	0
**John & Ida Taylor Instream Flow Restriction, 12-2996a, jd - 10/16/03						
UCTAYLIF	14	14	33	33	54	33

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UC	14	14	14	14	14	14
**John & Ida Taylor Diversion Distribution, 12-2996a, jd - 10/16/03						
UCTAYLOR	0	0	5	5	8	10
UC	11	11	6	0	0	0
**						
**Ed Johnson - Instream Flow Restriction, app. 5791, io						
UC5791IF	31	28	31	30	31	30
UC	31	31	30	31	30	31
**Ed Johnson - Demand Distribution, app. 5791, io						
UC5791DD	0.	0.	0.	0.	20.	40.
UC	40.	40.	20.	0.	0.	0.
**						
** IF records for Larry Adams Amend 12-3653A						
UC 3653A	238	238	773	773	1725	1725
UC	238	238	238	238	238	238
UC 3653B	297	297	892	892	2082	2082
UC	297	297	297	297	297	297
** UC for Lesley amend 12-2221A - JD 12/11/02						
UC 2221A	2.46	3.28	4.10	9.84	8.2	8.2
UC	8.2	7.38	10.66	10.66	4.92	4.1
** IF for Lesley amend 12-2221A						
UC2221IF	.5	.5	1.5	1.5	3.5	3.5
UC	.5	.5	.5	.5	.5	.5
**						
**App. No. 12-2991A						
UC2991IF	41	51	126	162	269	154
UC	29	6	9	12	18	31
** UC FOR APPLICATION 5767, HERMAN STROUD						
UC576741	0	0	0	0	12.5	25
UC	25	25	12.5	0	0	0
** UC FOR INSTREAM FLOW RESTRICTION FOR HERMAN STROUD, APP 5767						
UC5767IF	5410	3776	7746	8388	17520	23380
UC	13401	12848	10827	6270	4733	4856
**						
** UC for Clark diversion A5795						
UC CLARK	0.5	1.0	1.5	1.5	2.0	2.5
UC	3.5	4.5	3.0	2.0	0.5	0.5
**						
** UC FOR GAVRONOVIC, APPLICATION 5752						
UC 5752	94	120	211	211	258	331
UC	331	250	216	216	115	107
** UC FOR GAVRONOVIC IF ON OLD RIVER, APP 5752						
UC GAVIF	277	250	461	446	461	268
UC	61	61	59	61	59	277
** UC FOR GAVRONOVIC IF ON BRAZOS RIVER, APP 5752						
UC5752IF	69834	84168	124310	137070	272924	196320
UC	80786	52731	51390	45136	43680	58528
**						
** UC FOR INSTREAM FLOW RESTRICTION FOR SOMERVELL COUNTY WATER DISTRICT APP 5744						
UC5744IF	412	439	885	857	1672	1041
UC	381	191	220	258	345	357
**						
**Application 5665, Paul Weinman.						
**UC for IF restrictions						
**UCIF5665	61473	94391	79915	160623	328881	196317
**UC	92210	49178	80331	49178	56516	73768
**Applicant requested that point for measuring IF be moved to USGS gage 08114000. Reversed proration back to gage.						
UCIF5665	1050	1750	1300	2750	5450	3350
UC	1500	850	1400	900	950	1200
**						
** UC FOR LAKEVIEW GOLF COURSE FLOW RESTRICTION						
UC IFLGC	615	555	1906	1844	3627	1844
UC	615	369	357	369	357	369
** UC RECORD FOR LAKEVIEW GOLF COURSE DIVERSION						
UC LGC	0	0	2	2	2	4
UC	4	4	2	0	0	0
** UC Records added/changed by adding P2925, TWDB, et al.						
UCMEDIAN	6.058	9.202	7.652	10.512	21.388	12.740
UC	5.938	3.256	5.239	5.251	5.568	7.196
UC25THPT	5.504	9.143	7.668	10.139	18.037	14.344
UC	6.503	4.191	6.100	6.269	6.078	6.024
UC 7Q2	8.493	7.671	8.493	8.219	8.493	8.219
UC	8.493	8.493	8.219	8.493	8.219	8.493
UCALDSWR	7.700	6.955	7.864	8.267	8.542	9.532
UC	9.850	9.850	8.267	7.864	7.611	7.700
**						
** UC Records added/changed by adding P5686, COASTAL BEND PROPERTY DEVELOPMENT						
UCIFD129	338.	305.	338.	327.	338.	327.
UC	129.	129.	125.	129.	125.	129.
**						
** UC Records added/changed by adding P5729, MICHAEL & FAYE HORTON.						
UCIFD076	553.	1055.	2275.	2201.	5410.	5236.
UC	1168.	553.	535.	553.	535.	1168.

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**
** UC Records added/changed by adding C3775, LLOYD E LEIFESTE ET UX.
UCIFD08D 8116. 7331. 29146. 28205. 62718. 28205.
UC 29146. 8116. 7855. 8116. 7855. 8116.
**
** UC Records added/changed by adding P5692, Walter Exploration Inc.
UCIFD011 68. 61. 68. 65. 922. 893.
UC 271. 271. 262. 271. 107. 111.
** UC Records added/changed by modifying C4355, City of Marlin.
UC MUNRE 0.032 0.031 0.033 0.034 0.123 0.157
UC 0.167 0.159 0.150 0.043 0.036 0.034
UC MUNRI 0.131 0.127 0.133 0.139 0.000 0.000
UC 0.000 0.000 0.000 0.180 0.150 0.139
UC INDRI 0.143 0.143 0.143 0.143 0.000 0.000
UC 0.000 0.000 0.000 0.143 0.143 0.143
** FNI change - BRA contract for Marlin, divert when Marlin Brazos right cannot
**
UCmarlin 0. 0. 0. 0. 1. 1.
UC 1. 1. 1. 0. 0. 0.
**
**
UC HYD3 31. 28. 31. 30. 31. 30.
UC 31. 31. 30. 31. 30. 31.
UC HYD2 31. 28. 31. 30. 31. 30.
UC 31. 31. 30. 31. 30. 31.
UC MIN1 31. 28. 31. 30. 31. 30.
UC 31. 31. 30. 31. 30. 31.
UC MIN2 31. 28. 31. 30. 31. 30.
UC 31. 31. 30. 31. 30. 31.
UC MIN3 31. 28. 31. 30. 31. 30.
UC 31. 31. 30. 31. 30. 31.
UC MIN4 31. 28. 31. 30. 31. 30.
UC 31. 31. 30. 31. 30. 31.
UC IRR1 0.024 0.033 0.050 0.058 0.082 0.182
UC 0.201 0.178 0.087 0.046 0.036 0.023
UC IRR2 0.005 0.007 0.017 0.033 0.092 0.163
UC 0.267 0.235 0.117 0.044 0.014 0.007
UC IRR3 0.005 0.008 0.018 0.032 0.075 0.189
UC 0.304 0.253 0.079 0.022 0.008 0.007
UC IRR4 0.006 0.009 0.018 0.056 0.110 0.203
UC 0.239 0.209 0.069 0.046 0.028 0.007
UC IND1 0.054 0.060 0.070 0.083 0.094 0.105
UC 0.113 0.106 0.096 0.083 0.072 0.062
UC IND2 0.054 0.060 0.070 0.083 0.094 0.105
UC 0.113 0.106 0.096 0.083 0.072 0.062
UC IND3 0.058 0.077 0.087 0.097 0.107 0.124
UC 0.128 0.124 0.078 0.041 0.038 0.041
UC IND4 0.058 0.077 0.087 0.097 0.107 0.124
UC 0.128 0.124 0.078 0.041 0.038 0.041
UC MUN1 0.066 0.064 0.071 0.077 0.092 0.100
UC 0.115 0.104 0.092 0.079 0.070 0.068
UC MUN2 0.065 0.063 0.068 0.072 0.085 0.093
UC 0.118 0.114 0.095 0.087 0.071 0.069
UC MUN3 0.065 0.063 0.066 0.069 0.082 0.105
UC 0.111 0.106 0.100 0.089 0.074 0.069
UC MUN4 0.063 0.066 0.074 0.082 0.091 0.099
UC 0.108 0.103 0.094 0.085 0.073 0.063
** UC for Whitney Res Only
UC WHIT1 0.0579 0.061 0.0704 0.0789 0.0766 0.073
UC 0.134 0.1287 0.095 0.0844 0.0715 0.0644
UC D&L1 0.066 0.064 0.071 0.077 0.092 0.100
UC 0.115 0.104 0.092 0.079 0.070 0.068
UC D&L2 0.065 0.063 0.068 0.072 0.085 0.093
UC 0.118 0.114 0.095 0.087 0.071 0.069
UC D&L3 0.065 0.063 0.066 0.069 0.082 0.105
UC 0.111 0.106 0.100 0.089 0.074 0.069
UC D&L4 0.063 0.066 0.074 0.082 0.091 0.099
UC 0.108 0.103 0.094 0.085 0.073 0.063
UCMAYAUG 0. 0. 0. 0. 31. 30.
UC 31. 31. 0. 0. 0. 0.
UCIFD031 0. 0. 0. 0. 0. 59505.
UC 61489. 61489. 59505. 0. 0. 0.
UCIFD041 0. 0. 0. 0. 0. 0.
UC 31. 31. 30. 0. 0. 0.
UCIFD042 0. 0. 0. 0. 0. 30.
UC 31. 31. 30. 31. 30. 31.
UCIFD051 4919. 4433. 4919. 26777. 27670. 26777.
UC 27270. 27670. 4760. 4919. 4760. 4919.
UCIFD061 61. 56. 61. 119. 123. 119.
UC 123. 123. 119. 61. 60. 61.
UCIFD062 148. 133. 148. 143. 148. 143.
UC 61. 61. 60. 61. 60. 61.
UCIFD063 246. 222. 246. 238. 387. 375.
UC 387. 387. 375. 246. 238. 246.

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UCIFD064	861.	778.	861.	833.	861.	833.
UC	861.	861.	833.	861.	833.	861.
UCIFD065	369.	333.	369.	357.	369.	357.
UC	215.	215.	208.	215.	208.	369.
UCIFD066	307.	278.	307.	298.	307.	298.
UC	307.	307.	298.	307.	298.	307.
UCIFD067	553.	778.	1223.	1369.	1414.	1369.
UC	246.	246.	238.	246.	238.	246.
UCIFD068	861.	778.	861.	1666.	1722.	1666.
UC	1722.	1722.	1666.	861.	833.	861.
UCIFD072	209.	189.	209.	458.	473.	458.
UC	473.	473.	202.	209.	202.	209.
UCIFD073	203.	183.	203.	458.	473.	458.
UC	473.	473.	196.	203.	196.	203.
UCIFD074	184.	167.	184.	417.	430.	417.
UC	430.	430.	179.	184.	179.	184.
UCIFD075	480.	433.	904.	875.	904.	875.
UC	904.	904.	875.	480.	464.	480.
UCIFD081	615.	555.	615.	595.	615.	595.
UC	615.	615.	595.	615.	595.	615.
UCIFD082	738.	666.	738.	2261.	2337.	2261.
UC	738.	738.	714.	738.	714.	738.
UCIFD083	369.	333.	369.	357.	369.	357.
UC	369.	369.	357.	369.	357.	369.
UCIFD084	1107.	1000.	1107.	1071.	1107.	1071.
UC	1107.	1107.	1071.	1107.	1071.	1107.
UCIFD085	4181.	3777.	15987.	15471.	25333.	24516.
UC	15987.	4181.	4046.	4181.	4046.	4181.
UCIFD086	1230.	1111.	1230.	3273.	3382.	3273.
UC	3382.	3382.	1190.	1230.	1190.	1230.
UCIFD087	1906.	1722.	1906.	1845.	1906.	1845.
UC	1906.	1906.	1845.	1906.	1845.	1906.
UCIFD088	9592.	8664.	9592.	26361.	27239.	26361.
UC	27239.	27239.	9283.	9592.	9283.	9592.
UCIFD089	2152.	1944.	2152.	2083.	2152.	2083.
UC	2152.	2152.	2083.	2152.	2083.	2152.
UCIFD08A	307.	278.	307.	476.	492.	476.
UC	492.	492.	298.	307.	298.	307.
UCIFD08B	922.	833.	922.	1190.	1230.	1190.
UC	1230.	1230.	893.	922.	893.	922.
UCIFD08C	37.	56.	61.	60.	61.	60.
UC	37.	37.	36.	37.	36.	37.
UCIFD091	6149.	5554.	6149.	29158.	30129.	29158.
UC	30129.	30129.	5951.	6149.	5951.	6149.
UCIFD092	4919.	4443.	4919.	19042.	19676.	19042.
UC	19676.	19676.	4760.	4919.	4760.	4919.
UCIFD093	7379.	6665.	7379.	36298.	37508.	36298.
UC	37508.	37508.	7141.	7379.	7141.	7379.
UCIFD094	10269.	9275.	10269.	36298.	37508.	36298.
UC	37508.	37508.	9937.	10269.	9937.	10269.
UCIFD095	11006.	9941.	11006.	37488.	38738.	37488.
UC	38738.	38738.	10651.	11006.	10651.	11006.
UCIFD096	6764.	6109.	6764.	27372.	28285.	27372.
UC	28285.	28285.	6546.	6764.	6546.	6764.
UCIFD097	10269.	9275.	10269.	41058.	42427.	41058.
UC	42427.	42427.	9937.	10269.	9937.	10269.
UCIFD098	7379.	6665.	7379.	28562.	29514.	28562.
UC	29514.	29514.	7141.	7379.	7141.	7379.
UCIFD099	7379.	6665.	7379.	37488.	38738.	37488.
UC	38738.	38738.	7141.	7379.	7141.	7379.
UCIFD09A	10269.	9275.	10269.	36893.	38123.	36893.
UC	38123.	38123.	9937.	10269.	9937.	10269.
UCIFD09B	15987.	14440.	15987.	55935.	57799.	55935.
UC	57799.	57799.	55935.	15987.	15471.	15987.
UCIFD09C	16602.	14995.	16602.	66051.	68252.	66051.
UC	68252.	68252.	16066.	16602.	16066.	16602.
UCIFD09D	25825.	23325.	25825.	85687.	88543.	85687.
UC	88543.	88543.	24992.	25825.	24992.	25825.
UCIFD09E	0.	0.	0.	0.	42427.	41058.
UC	42427.	42427.	41058.	0.	0.	0.
UCIFD09F	10269.	9275.	10269.	37488.	38738.	37488.
UC	38738.	38738.	9937.	10269.	9937.	10269.
UCIFD101	4181.	6054.	6702.	6486.	6702.	2202.
UC	553.	553.	536.	553.	2202.	4181.
UCIFD102	4796.	4332.	4796.	4641.	4796.	1250.
UC	1291.	1291.	1250.	1291.	1250.	4796.
UCIFD103	15.	15.	15.	15.	15.	15.
UC	15.	15.	15.	15.	15.	15.
UCIFD104	1168.	1055.	1168.	1666.	1722.	1666.
UC	1722.	1722.	1666.	1168.	1131.	1168.
UCIFD111	25210.	22771.	25210.	75571.	78090.	75571.
UC	78090.	78090.	24397.	25210.	24397.	25210.
UCIFD112	25825.	23326.	25825.	85687.	88543.	85687.
UC	88543.	88543.	24992.	25825.	24992.	25825.

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UCIFD113	55340.	49984.	55340.	67241.	69482.	67241.
UC	69482.	69482.	53555.	55340.	53555.	55340.
UCIFD114	30744.	27769.	30744.	67241.	69482.	67241.
UC	69482.	69482.	29753.	30744.	29753.	30744.
UCIFD115	307.	278.	307.	893.	922.	893.
UC	922.	922.	298.	307.	298.	307.
UCIFD116	30744.	27769.	30744.	67538.	69789.	67538.
UC	69789.	69789.	29753.	30744.	29753.	30744.
UCIFD121	184.	167.	184.	595.	615.	595.
UC	615.	615.	595.	184.	179.	184.
UCIFD122	184.	167.	184.	1428.	1476.	1428.
UC	1476.	1476.	1428.	184.	179.	184.
UCIFD128	184.	167.	184.	1012.	1045.	1012.
UC	1045.	1045.	1012.	184.	179.	184.
UCIFD123	123.	111.	123.	536.	553.	536.
UC	553.	553.	536.	123.	119.	123.
UCIFD124	92.	83.	92.	536.	553.	536.
UC	553.	553.	536.	92.	89.	92.
UCIFD125	123.	111.	123.	476.	492.	476.
UC	492.	492.	476.	123.	119.	123.
UCIFD126	154.	139.	154.	714.	738.	714.
UC	738.	738.	714.	154.	149.	154.
UCIFD127	0.	0.	0.	262.	271.	262.
UC	271.	271.	262.	0.	0.	0.
UC UNIFO	31.	28.	31.	30.	31.	30.
UC	31.	31.	30.	31.	30.	31.

**

** RF RECORDS

**

RFR36931	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR41791	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFRABIL1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR42131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR42132	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR42021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR42111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR34441	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR34501	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR34581	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR43551	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR40311	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51561	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

** Return flow factor for Paluxy Reservoir which is not modeled.

**RFR42371 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

**RF 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

RFR41061	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR43601	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51581	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR50941	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR34701	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51591	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFRBLSH1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51621	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51631	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR37611	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51641	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR52871	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR52891	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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**CPID	D/S	CPDT(1)	CPDT(2)	INMETHOD	CPIN	EWA	CL	INWS
RFR52911	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR53661	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51711	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
**								
** CP RECORDS								
**	2	3	4	5	6	7	8	9
**	10	11						
**CPID	D/S	CPDT(1)	CPDT(2)	INMETHOD	CPIN	EWA	CL	INWS
**								
** Smiling Mallard Development, 5788, 4/29/07, added into WAM on 8/27/07, sj								
CP578831	CON146			6	375931		0.0000	
** TXU Kosse Lignite, 5931, 9/29/06, io								
CP593101	CON134			6	406331		0.0000	
CP593102	CON134			6	406331		0.0000	
CP593103	CON134			6	406331		0.0000	
CP593104	CON134			6	406331		0.0000	
CP593105	CON134			6	406331		0.0000	
** App 5858 TMPA 10/21/04 SD								
CP585830	513233			6	375931		0.0	
CP585831	531201			6	375931		0.0	
CP585832	024603			6	375931		0.0000	
CP585835	505331			6	375931		0.0000	
CP585836	505336			6	375931		0.0000	
CP585838	CON144			6	375931		0.0000	
CP585839	557011			6	375931		0.0000	
CP58583A	024604			6	375931		0.0000	
**Revision 12/29/2005								
**Dumnyl added to model TMPA water rights.								
CPDUMMY1	OUT			2	NONE	NONE	-3.	0.0000
**								
**App. 5866, Harris County FCD, 9/29/2005 mt								
CP586631	523001			6	401041		0.0000	
**								
**NNP Teravista, app. 5667B, 11/13/03, io								
CP566732	416621			6	299231		0.0000	
CP566731	416621			6	299231		0.0000	
CP566734	416621			6	299231		0.0000	
**								
**Alcoa 12191 SD								
CP121911	MYDB60			6	299231		0.0	
CP121901	MYDB60			6	299231		0.0000	
CP121902	MYDB60			6	299231		0.0000	
**								
**Alcoa Inc., App. 12-5816, 8/24/05, io								
CP581601	121901			6	375931		0.0000	
** John & Ida Taylor Amendment 12-2996a, 10/16/2003, jd								
** Additional diversion point for 2996 is between 299011 and CON094								
**CP299011	CON094			6	NONE		0.0010	
CP299011	299602			6	NONE		0.0007	
**								
** John & Ida Taylor, 12-2996a - jd								
CP299602	CON094			6	NONE		0.0003	
**Ed Johnson, app. 5791, io								
CP579131	579101			6	375931		0.0000	
CP579132	579101			6	375931		0.0000	
CP579101	CON125			6	375931		0.0000	
**								
CPALLEN1	OUT			2	NONE	NONE	-3.	0.0000
** Clark Gardens Application 5795 Diversion surface 23								
CP A5759	CON045			6	220131		0.0000	
** new cp for TXU Mining, application 5770								
CP577001	02881B			6	406331		0.0000	
**								
**Application 5767, Herman Stroud. Divert 70 ac-ft into off-channel reservoir complex. Subsequent								
**diversion from reservoirs for irrigation.								
CP576701	BRDE29			6	NONE		0.0000	
**Two off-channel reservoirs were modeled as one complex.								
CP576741	OUT			2	NONE	227031	-3.	0.0000
**								
** West Central Texas Municipal Water District, Application 12-4213C								
** This amendment authorized 5000 acre-feet of water from water right 4213								
** that will be piped to Fort Phantom Hill reservoir (12-4161)								
** Computational cp for WCTMWD, Application 4213C								
CPWCTMWD	OUT			2	NONE	NONE	-3.	
**								
**** TMPA (Tx Municipal Power) App 5741, 5738								
CP574132	573831			6	375931		0.0000	
CP573831	513232			6	375931		0.0000	
CP574131	CON144			6	375931		0.0000	
**								
** FAKE CP FOR SOMERVELL COUNTY WATER DISTRICT, application 5744								
CP SCWD	OUT			2	NONE	NONE	-3.	

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**

**Application 5665, Paul Weinman. App to divert 2448 into off-channel reservoir complex for wetlands (duck habitat).

CP566501 CON151 6 401041 0.0015

**401041 was used to calculate evap since it was the closest reservoir with approximately the same size.

CP566541 OUT 2 NONE 401041 -3. 0.0000

CP566502 566501 6 NONE 0.0003

**

** FAKE CP FOR LAKEVIEW GOLF CLUB DIVERSION, Application 12-4318B

CPLGCALT OUT 2 NONE NONE -3.

** CP Records added/changed for C4114, THOMAS BROTHERS GRASS, LTD

CP405401 411402 6 NONE 0.0001

CP411402 406202 6 NONE 0.0000

CP406202 411403 6 NONE 0.0006

CP411403 406203 6 NONE 0.0000

CP406203 CON191 6 NONE 0.0003

CPCON049 411404 6 NONE 0.0000

CP411404 406204 6 NONE 0.0000

CP406204 CON192 6 NONE 0.0000

** CP Records added/changed for C4052, TXI OPERATIONS

CPCON048 405202 6 NONE 0.0000

CP405202 405201 6 NONE 0.0000

** CP Records changed by adding P5686, COASTAL BEND PROPERTY DEVELOPMENT

CP101342 568601 2 NONE NONE -3. 0.0000

CP568601 115711 6 NONE 0.0000

CP568661 568641 2 NONE NONE -3. 0.0000

CP568641 OUT 2 NONE 401041 -3. 0.0000

** CP Records added/changed for C5357, CHOCOLATE BAYOU WATER COMPANY

CPCBALC2 CON251 1 NONE -3. 0.0000

CPCON251 000011 6 NONE 0.0000

CP535701 CON251 6 NONE 0.0000

** CP Records added/changed by adding P5729, MICHAEL & FAYE HORTON.

CP290401 572901 6 NONE 0.0002

CP572901 CON089 6 NONE 0.0028

CP572961 572941 2 NONE NONE -3. 0.0000

CP572941 OUT 2 NONE 228731 -3. 0.0000

** CP Records added/changed for P5567, SAND SUPPLY INC.

CPCON154 556712 6 NONE 0.0001

CP556712 555201 6 NONE 0.0019

CPCON235 556722 6 NONE 0.0015

CP556722 CON154 6 NONE 0.0005

CP511051 556722 2 NONE NONE -3. 0.0000

** CP Records added/changed by adding P5714, CITY OF PEARLAND.

CP123321 571451 2 NONE NONE -3. 0.0000

CP571451 571401 2 NONE NONE -3. 0.0000

CP571401 571402 6 NONE 0.0000

CP571402 115711 6 NONE 0.0000

** CP Records added/changed for C4169, RICHARD SCHKADE.

CP416901 416902 6 NONE 0.0000

CP416902 417001 6 NONE 0.0000

** CP Records added/changed for C3775, LLOYD E LEIFESTE ET UX.

CP377502 377521 6 NONE 0.0004

CP377521 377501 6 NONE 0.0006

CP377501 377511 6 NONE 0.0004

CP377511 CON111 6 NONE 0.0096

** CP Records added/changed for P5692, Walter Exploration Inc.

** Double Mountain Fork near Aspermont

**CPDMAS09 569204 1 NONE -3. 0.0020

CPDMAS09 DMSUBS 1 NONE -3.

CPDMAS09 DM-DRY 2 DMAS09 NONE -3.

CPDM-DRY DM-AVG 2 DMAS09 NONE -3.

CPDM-AVG DM-WET 2 DMAS09 NONE -3.

CPDM-WET DMDPUL 2 DMAS09 NONE -3.

CPDMDPUL DMAPUL 2 DMAS09 NONE -3.

CPDMAPUL DMWPUL 2 DMAS09 NONE -3.

CPDMWPUL 569204 2 DMAS09 NONE -3. 0.0020

**

CP569204 569203 6 NONE 0.0002

CP569203 569202 6 NONE 0.0002

CP569202 569201 6 NONE 0.0002

CP569201 528201 6 NONE 0.0355

** CP Records added/changed for C2276, Louis A Beecherl, Jr.

CP227302 227603 6 227031 0.0000

CP227603 227633 6 NONE 0.0000

CP227633 227622 6 227031 0.0000

CP227622 227604 6 NONE 0.0000

CP227602 227632 6 NONE 0.0000

CP227632 227621 6 227031 0.0000

CP227621 227611 6 NONE 0.0000

CP227611 227604 6 NONE 0.0000

CP227604 227634 6 NONE 0.0000

CP227612 227634 6 NONE 0.0000

CP227634 22760B 6 227031 0.0000

CP22760B 22763B 6 NONE 0.0000

CP22763B 227626 6 227031 0.0000

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CP227626	227616	6	NONE	0.0000
CP227613	227616	6	227031	0.0000
CP22760A	22763A	6	NONE	0.0000
CP22763A	227625	6	227031	0.0000
CP227625	227615	6	NONE	0.0000
CP227615	227616	6	NONE	0.0000
CP227616	227601	6	227031	0.0000
CP227601	227631	6	NONE	0.0000
CP227631	227701	6	227031	0.0000
CP227605	227635	6	NONE	0.0000
CP227606	227636	6	NONE	0.0000
CP227607	227637	6	NONE	0.0000
CP227608	227638	6	NONE	0.0000
CP227609	227639	6	NONE	0.0000
CP227614	227613	6	NONE	0.0000
CP227623	227608	6	NONE	0.0000
CP227624	227614	6	NONE	0.0000
CP227635	227608	6	227031	0.0000
CP227636	227623	6	227031	0.0000
CP227637	227608	6	227031	0.0000
CP227638	227614	6	227031	0.0000
CP227639	227624	6	227031	0.0000
** CP Records added/changed for C4179, City of Stamford.				
CPCON027	417906	6	NONE	0.0015
CP417906	417933	6	NONE	0.0000
CP417933	CON028	6	413331	0.0326
**				
CP366401	366431	6	NONE	0.0000
CP366431	366501	6	366631	0.0000
CP366501	366531	6	NONE	0.0000
CP366531	366601	6	366631	0.0000
CP366601	366631	6	NONE	0.0000
CP366631	366701	6	NONE	0.0000
CP366701	366731	6	NONE	0.0000
CP366731	366801	6	366631	0.0000
CP366801	366831	6	NONE	0.0000
CP366831	366904	6	366631	0.0000
CP366901	366931	6	NONE	0.0000
CP366931	366904	6	366631	0.0000
CP366902	366932	6	NONE	0.0000
CP366932	366904	6	NONE	0.0000
CP366903	366933	6	NONE	0.0000
CP366933	366904	6	NONE	0.0000
CP366904	366934	6	NONE	0.0000
CP366934	367002	6	NONE	0.0000
CP367002	367031	6	NONE	0.0000
CP367031	367001	6	NONE	0.0000
CP367001	367032	6	NONE	0.0000
CP367032	367101	6	366631	0.0000
CP367101	367131	6	NONE	0.0000
CP367131	367201	6	366631	0.0000
CP367201	367202	6	NONE	0.0000
CP367202	367231	6	NONE	0.0000
CP367231	367301	6	366631	0.0000
CP367301	367302	6	NONE	0.0000
CP367302	367303	6	NONE	0.0000
CP367303	367304	6	NONE	0.0000
CP367304	367331	6	NONE	0.0000
CP367331	367401	6	366631	0.0000
CP367401	367431	6	NONE	0.0000
CP367431	P40641	6	366631	0.0000
CPP40641	406431	6	NONE	0.0000
CP406431	367501	6	366631	0.0000
CP367501	367531	6	NONE	0.0000
CP367531	368101	6	366631	0.0000
CP368101	368131	6	NONE	0.0000
CP406451	367501	2	NONE NONE	-3. 0.0000
CP368131	381301	6	NONE	0.0000
CP367601	367631	6	NONE	0.0000
CP367631	367701	6	366631	0.0000
CP367701	367731	6	NONE	0.0000
CP367731	367801	6	366631	0.0000
CP367801	367831	6	NONE	0.0000
CP367831	367901	6	366631	0.0000
CP367901	367931	6	NONE	0.0000
CP367931	368001	6	366631	0.0000
CP368001	368031	6	NONE	0.0000
CP368031	368101	6	366631	0.0000
CP381301	368201	6	NONE	0.0000
CP368201	368231	6	NONE	0.0000
CP368231	368301	6	368131	0.0000
CP368301	368331	6	NONE	0.0000
CP368331	RWPL01	6	368131	0.0000
CP368401	368431	6	NONE	0.0000

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CP368431	368501	6		368131	0.0000
CP368501	368531	6		NONE	0.0000
CP368531	RWPL01	6		368131	0.0000
CPRWPL01	368601	1		NONE	-3. 0.0650
CP368601	368703	6		NONE	0.0650
CP368703	368702	6		NONE	0.0000
CP368702	368701	6		NONE	0.0000
CP368701	391501	6		NONE	0.0000
CP391501	368801	6		NONE	0.0330
CP368801	P40351	6		NONE	0.0650
CPP40351	540501	6		NONE	0.0330
CP105371	368601	2	NONE	NONE	-3. 0.0000
CP403551	540501	2	NONE	NONE	-3. 0.0000
CP540501	CON248	6		NONE	0.5060
CPCON248	CON001	6		NONE	0.6050
CPCON001	369201	6		NONE	0.3500
CP369201	369231	6		NONE	0.0000
CP368941	OUT	2	NONE	NONE	-3. 0.0000
CP368901	368931	6		NONE	0.0000
CP368931	369001	6			0.0000
CP369001	CON001	6		NONE	0.0000
CP369101	369131	6		NONE	0.0000
CP369131	CON001	6		368931	0.0000
CP369151	CON001	2	NONE	NONE	-3. 0.0000
CP369231	W12402	6		368931	0.4310
CPW12402	W12401	6		NONE	0.0950
CPW12401	W12392	6		NONE	0.0000
CP369301	369331	6		NONE	0.0000
CP369331	WRSP02	6			0.0000
CPW12392	369301	6		NONE	0.0000
CP369351	W12392	2	NONE	NONE	-3. 0.0000
CPWRSP02	CON004	1		NONE	-3. 0.1300
CP369501	369531	6		NONE	0.0000
CP369531	CON004	6		368931	0.0000
CPW12381	CON004	6		NONE	0.0000
CP369401	369431	6		NONE	0.0000
CP369431	CON004	6		368931	0.0000
CPCON004	W12391	6		NONE	0.0000
CP369601	369631	6		NONE	0.0000
CP369631	DUGI03	6		341131	0.0000
CP369651	DUGI03	2	NONE	NONE	-3. 0.0000
CP369731	DUGI03	6		341131	0.0000
CP369801	369831	6		NONE	0.0000
CP369831	DUGI03	6		341131	0.0000
CP369901	369902	6		NONE	0.0000
CP369902	369931	6		NONE	0.0000
CP369931	DUGI03	6		341131	0.0000
CP370001	370031	6		NONE	0.0000
CP370031	DUGI03	6		341131	0.0000
CPDUGI03	CON002	1		NONE	-3. 0.0630
CPCON002	CON003	6		NONE	0.0210
CP370131	CON003	6		341131	0.0000
CPW12391	CON002	6		NONE	0.1690
CPCON003	SFPE04	6		NONE	0.1260
CPSFPE04	CON005	1		NONE	-3. 0.0460
CPCON005	CON006	6		NONE	0.0210
CPCON006	SFAS06	6		NONE	0.0920
** Salt Fork Brazos River near Aspermont					
**CPSFAS06	W12382	1		NONE	-3. 0.1500
CPSFAS06	SFSUBS	1		NONE	-3.
CPSFAS06	SF-DRY	2	SFAS06	NONE	-3.
CPSF-DRY	SF-AVG	2	SFAS06	NONE	-3.
CPSF-AVG	SF-WET	2	SFAS06	NONE	-3.
CPSF-WET	SFDPUL	2	SFAS06	NONE	-3.
CPSFDPUL	SFAPUL	2	SFAS06	NONE	-3.
CPSFAPUL	SFWPUL	2	SFAS06	NONE	-3.
CPSFWPUL	W12382	2	SFAS06	NONE	-3. 0.1500
**					
CPCRJA05	CON005	1		NONE	-3. 0.0070
CP370231	CON006	6		341131	0.0000
CPW12382	CON245	6		NONE	0.0050
CP370301	370331	6		NONE	0.0000
CP370331	370401	6		366631	0.0000
CP370401	370421	6		NONE	0.0000
CP370421	370431	6		NONE	0.0000
CP370431	370411	6			0.0000
CP370411	370535	6		NONE	0.0000
CP370501	370531	6		NONE	0.0000
CP370531	370502	6		NONE	0.0000
CP370502	370532	6		NONE	0.0000
CP370532	370533	6		NONE	0.0000
CP370533	370534	6		NONE	0.0000
CP370534	370535	6		NONE	0.0000
CP370535	370503	6		NONE	0.0000

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CP370503	370536	6		NONE		0.0000
CP370536	398501	6		368931		0.0000
CP398551	398501	2	NONE	NONE	-3.	0.0000
CP398501	BSLU07	6		NONE		0.0000
CPBSLU07	370631	1		NONE	-3.	0.0000
CP370631	370701	6				0.0110
CP370701	370702	6		NONE		0.0000
CP370702	370731	6		NONE		0.0000
CP370732	370701	6		NONE		0.0000
CP370751	370731	2	NONE	NONE	-3.	0.0000
CP370731	CON007	6		368931		0.0800
CP370801	370831	6		NONE		0.0000
CP370831	CON007	6		368931		0.0000
CPCON007	370901	6		NONE		0.0110
CP370901	370931	6		NONE		0.0000
CP370931	371001	6		NONE		0.0000
CP370962	370942	2	NONE	NONE	-3.	0.0000
CP370961	370941	2	NONE	NONE	-3.	0.0000
CP370941	OUT	2	NONE	368931	-3.	0.0000
CP370942	OUT	2	NONE	NONE	-3.	0.0000
CP371061	371041	2	NONE	NONE	-3.	0.0000
CP371041	OUT	2	NONE	368931	-3.	0.0000
CP371001	371101	6		NONE		0.1390
CP371101	371131	6		NONE		0.0000
CP371131	CON244	6				0.1810
CP371301	371331	6		NONE		0.0000
CP371331	P53591	6		368931		0.0000
CPP53591	CON159	6		NONE		0.0000
CPCON159	DMJU08	6		NONE		0.0000
CP535951	CON159	2	NONE	NONE	-3.	0.0000
CP371401	371431	6		NONE		0.0000
CP371431	CON159	6				0.0000
CPDMJU08	CON160	1		NONE	-3.	0.0100
CP371501	371531	6		NONE		0.0000
CP371531	CON160	6		368931		0.0000
CPCON160	CON008	6		NONE		0.0700
CPCON008	P41461	6		NONE		0.0000
CP4146P1	W12411	6				0.0360
CP371601	CON008	6		NONE		0.0000
CP371602	371631	6		NONE		0.0000
CP371631	371601	6		371431		0.0000
CPP41461	4146P1	6		NONE		0.0000
CPW12411	CON244	6		NONE		0.0000
CPCON244	371701	6		NONE		0.1700
CP371701	371801	6		NONE		0.0310
CP371801	371802	6		NONE		0.0310
CP371802	371803	6		NONE		0.0050
CP371803	371901	6		NONE		0.0310
CP371901	CON009	6		NONE		0.0500
CPCON009	372201	6		NONE		0.1610
CP372201	372202	6		NONE		0.0000
CP372202	372203	6		NONE		0.0100
CP372203	DMAS09	6		NONE		0.0260
CP528201	372401	6		NONE		0.0950
CP372401	372431	6		NONE		0.0000
CP372431	W12412	6		NONE		0.0060
CPW12412	CON010	6		NONE		0.0170
CPCON010	CON245	6		NONE		0.0490
CP372001	372031	6		NONE		0.0000
CP372031	372101	6				0.0000
CP372101	372131	6		NONE		0.0000
CP372131	CON009	6		372031		0.0000
CPP51621	5162P1	6		NONE		0.0000
CP5162P1	CON010	6		341131		0.0000
CPNCKN10	CON011	1		NONE	-3.	0.0570
CPCON245	W12081	6		NONE		0.0280
CPW12081	CON011	6		NONE		0.0280
CPCON011	524201	6		NONE		0.0000
CP524201	CON012	6		NONE		0.0240
CP341101	341131	6		NONE		0.0000
CPCON012	CON013	6		NONE		0.0590
CP341131	CON012	6				0.0000
CP341231	CON013	6		341131		0.0000
CPCON013	CON014	6		NONE		0.0420
CPCON014	543501	6		NONE		0.0060
CP341301	341302	6		NONE		0.0000
CP341302	341331	6		NONE		0.0000
CP341331	CON014	6				0.0000
CP543501	CON015	6		NONE		0.0300
CP341431	341401	6		341331		0.0000
CP341401	344004	6		NONE		0.0000
CP344004	344031	6		NONE		0.0000
CP344003	344002	6		NONE		0.0000
CP344031	344003	6				0.0000

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CP344002	344001	6		NONE		0.0000
CP344032	344002	6		341331		0.0000
CP344001	CON015	6		341331		0.0000
CP344005	344032	6		NONE		0.0000
CPCON015	CON016	6		NONE		0.1670
CP344131	CON016	6		341331		0.0000
CPCON016	BRSE11	6		NONE		0.0590
** Brazos River near Seymour						
**CPBRSE11	CON017	1		NONE		-3. 0.0740
CPBRSE11	SMSUBS	1		NONE		-3.
CPSMSUBS	SM-DRY	2	BRSE11	NONE		-3.
CPSM-DRY	SM-AVG	2	BRSE11	NONE		-3.
CPSM-AVG	SM-WET	2	BRSE11	NONE		-3.
CPSM-WET	SMDPUL	2	BRSE11	NONE		-3.
CPSMDPUL	SMAPUL	2	BRSE11	NONE		-3.
CPSMAPUL	SMWPUL	2	BRSE11	NONE		-3.
CPSMWPUL	CON017	2	BRSE11	NONE		-3. 0.0740
**						
CP344201	344231	6		NONE		0.0000
CPMSMN12	344301	1		NONE		-3. 0.0630
CP344301	344302	6		NONE		0.0000
CP344302	344401	6		NONE		0.0130
CP344401	344431	6		NONE		0.0000
CP344501	CON017	6		NONE		0.0320
CP344431	344501	6				0.0390
CPCON017	CON018	6		NONE		0.2230
CP344231	CON017	6		341331		0.0000
CP344651	344601	2	NONE	NONE		-3. 0.0000
CP344601	344631	6		NONE		0.0000
CP344703	344702	6		NONE		0.0000
CP344631	344703	6		341331		0.0000
CP344702	344701	6		NONE		0.0000
CP344701	344802	6		NONE		0.0000
CP344804	344803	6		NONE		0.0000
CP344803	344802	6		NONE		0.0000
CP344802	344801	6		NONE		0.0000
CP344801	CON018	6				0.0000
CPCON018	CON019	6		NONE		0.0390
CP344931	345103	6		341331		0.0000
CP345001	345031	6		NONE		0.0000
CP345103	345102	6		NONE		0.0000
CP345031	345103	6		341331		0.0000
CP345102	345101	6		NONE		0.0000
CP345141	OUT	2	NONE	344801		-3. 0.0000
CP345101	CON019	6		NONE		0.0000
CPCON019	CON020	6		NONE		0.0390
CP345231	345201	6		NONE		0.0000
CP345201	345232	6		NONE		0.0000
CPCON020	CON036	6		NONE		0.1190
CP345232	CON020	6		344801		0.0000
CP417905	417932	6		NONE		0.0000
CP417601	417631	6		NONE		0.0000
CP417932	417601	6		413331		0.0000
CP417951	417601	2	NONE	NONE		-3. 0.0000
CP417701	417803	6		NONE		0.0000
CP417631	417701	6		413331		0.0000
CP417803	417802	6		NONE		0.0000
CP417802	417801	6		NONE		0.0000
CP417801	W12352	6		NONE		0.0000
CP417702	417731	6		NONE		0.0000
CP417805	417832	6		NONE		0.0000
CP417731	417701	6		413331		0.0000
CP417804	417831	6		NONE		0.0000
CP417832	417804	6		NONE		0.0000
CPW12351	W12352	6		NONE		0.0000
CPW12352	417901	6		NONE		0.0000
CP009631	417901	2	NONE	NONE		-3. 0.0000
CP417901	417902	6		NONE		0.0000
CP417902	417903	6		NONE		0.0000
CP417903	417904	6		NONE		0.0000
CP417904	417931	6		NONE		0.0000
CP417831	W12352	6		341331		0.0000
CP418001	418031	6		NONE		0.0000
CPCON161	CON162	6		NONE		0.0000
CP418031	CON161	6		372031		0.0000
CP418101	418131	6		NONE		0.0000
CPCON162	CON163	6		NONE		0.0000
CP418131	CON162	6		413331		0.0000
CP418231	418301	6		413331		0.0000
CP418301	418331	6		NONE		0.0000
CPCON163	CAST17	6		NONE		0.0000
CP418331	CON163	6		413331		0.0000
CPCAST17	CON027	1		NONE		-3. 0.1120
CP417931	CON027	6				0.0000

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CP418401	418431	6	NONE	0.0000
CP418402	418432	6	NONE	0.0000
CP418431	418402	6	NONE	0.0000
CPCON028	CON029	6	NONE	0.0840
CP418432	CON028	6	341331	0.0000
CPW12321	420601	6	NONE	0.0000
CP420601	420631	6	NONE	0.0000
CPCFRO13	CON021	1	NONE	-3. 0.0180
CP420631	CFRO13	6	372031	0.0000
CP411501	411531	6	NONE	0.0000
CP411601	411701	6	NONE	0.0000
CP411531	411601	6	372031	0.0000
CP411701	411801	6	NONE	0.0000
CP411801	411901	6	NONE	0.0000
CP411901	411931	6	NONE	0.0000
CPCON021	412001	6	NONE	0.0300
CP411931	CON021	6	372031	0.0000
CP412001	412031	6	NONE	0.0000
CP412101	412131	6	NONE	0.0000
CP412031	412101	6	372031	0.0060
CP412201	412231	6	NONE	0.0000
CP412131	412201	6	372031	0.0120
CP412301	412331	6	NONE	0.0000
CP412231	412301	6	372031	0.0410
CP412402	412401	6	NONE	0.0000
CP412331	412402	6	372031	0.0410
CP412401	412501	6	NONE	0.0060
CP412501	412531	6	NONE	0.0000
CP412602	412632	6	NONE	0.0000
CP412531	412602	6	372031	0.0000
CP412601	412631	6	NONE	0.0000
CP412632	412601	6	NONE	0.0120
CP412701	CON022	6	NONE	0.0060
CP412631	412701	6	372031	0.0410
CP412901	412931	6	NONE	0.0000
CP103732	CON022	2	NONE NONE	-3. 0.0000
CP412801	412831	6	NONE	0.0000
CPW12371	W12372	6	NONE	0.0000
CPW12372	413001	6	NONE	0.0000
CP413001	413031	6	NONE	0.0000
CPCON022	413202	6	NONE	0.1250
CP412831	CON022	6	372031	0.0000
CP412931	CON022	6	372031	0.0000
CP413031	CON022	6		0.0000
CP413202	413201	6	NONE	0.0060
CP413201	CFHA14	6	NONE	0.0530
CPCFHA14	413302	1	NONE	-3. 0.0060
CP413302	413301	6	NONE	0.0000
CP413301	413331	6	NONE	0.0000
CP413401	413431	6	NONE	0.0000
CPCON164	CON165	6	NONE	0.0000
CP413431	CON164	6	372031	0.0000
CPCON165	MUHA15	6	NONE	0.0000
CP413531	CON165	6	372031	0.0000
CPMUHA15	CON024	1	NONE	-3. 0.0350
CP413501	413531	6	NONE	0.0000
CP413601	413631	6	NONE	0.0000
CPCON024	413701	6	NONE	0.0070
CP413331	CON024	6		0.0480
CP413631	CON024	6	413331	0.0000
CP413701	413801	6	NONE	0.0200
CP413801	413901	6	NONE	0.0000
CP413901	413931	6	NONE	0.0000
CP414001	CON025	6	NONE	0.0130
CP413931	414001	6	413331	0.0200
CP414201	414231	6	NONE	0.0000
CP414401	414431	6	NONE	0.0000
CP414431	414604	6	413331	0.0000
CP414501	414531	6	NONE	0.0000
CP414301	414331	6	NONE	0.0000
CP414231	414301	6		0.0000
CP414604	414634	6	NONE	0.0000
CP414331	414604	6	413331	0.0000
CP414531	414604	6	413331	0.0000
CP414603	414633	6	NONE	0.0000
CP414634	414603	6	NONE	0.0000
CP414602	414632	6	NONE	0.0000
CP414633	414602	6	NONE	0.0000
CP414601	414631	6	NONE	0.0000
CP414632	414601	6	NONE	0.0000
CP414701	414702	6	NONE	0.0000
CP414631	414701	6	413331	0.0000
CP414702	414703	6	NONE	0.0000
CP414703	414801	6	NONE	0.0000

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CP414801	414901	6	NONE	0.0000
CP414901	WL2361	6	NONE	0.0000
CPF37211	3721P1	6	NONE	0.0000
CP3721P1	415401	6	NONE	0.0000
CP415001	415031	6	NONE	0.0000
CP415031	415401	6		0.0000
CP415201	415202	6	NONE	0.0000
CP415202	415231	6	NONE	0.0000
CP415551	415301	2	NONE NONE	-3. 0.0000
CP415301	415331	6	NONE	0.0000
CP415331	415401	6	413331	0.0000
CP415351	415401	2	NONE NONE	-3. 0.0000
CP415401	415302	6	NONE	0.0000
CP415302	415431	6	NONE	0.0000
CP415231	415301	6	413331	0.0000
CP415251	415301	2	NONE NONE	-3. 0.0000
CP415431	415501	6	413331	0.0000
CP415501	415601	6	NONE	0.0000
CP415601	415602	6	NONE	0.0000
CP415602	415701	6	NONE	0.0000
CP415701	WL2361	6	NONE	0.0000
CP415802	WL2361	6	NONE	0.0000
CP416041	OUT	2	NONE NONE	-3. 0.0000
CP416031	WL2361	6	413331	0.0000
CP415801	415831	6	NONE	0.0000
CP415931	415901	6	413331	0.0000
CP415901	WL2361	6	NONE	0.0000
CPW12361	WL2362	6	NONE	0.0000
CP415831	WL2361	6	413331	0.0000
CP014221	WL2362	2	NONE NONE	-3. 0.0000
CPW12362	416502	6	NONE	0.0000
CP416502	415101	6	NONE	0.0000
CP415101	415131	6	NONE	0.0000
CP416101	416131	6	NONE	0.0000
CP415131	416101	6	NONE	0.0000
CP416131	414101	6		0.0000
CP416551	414101	2	NONE NONE	-3. 0.0000
CP414101	414102	6	NONE	0.0000
CP414102	414103	6	NONE	0.0000
CP414103	CON025	6	NONE	0.0000
CPCON025	416201	6	NONE	0.0070
CP416201	416202	6	NONE	0.0070
CP416202	416301	6	NONE	0.0000
CP416301	CFNU16	6	NONE	0.0000
** CLEAR FORK AT NUGENT				
**CPCFNU16	CON026	1	NONE	-3. 0.0300
CPCFNU16	NUSUBS	1	NONE	-3.
CPNUSUBS	NU-DRY	2	CFNU16 NONE	-3.
CPNU-DRY	NU-AVG	2	CFNU16 NONE	-3.
CPNU-AVG	NU-WET	2	CFNU16 NONE	-3.
CPNU-WET	NUDPUL	2	CFNU16 NONE	-3.
CPNUDPUL	NUAPUL	2	CFNU16 NONE	-3.
CPNUAPUL	NUWPUL	2	CFNU16 NONE	-3.
CPNUWPUL	CON026	2	CFNU16 NONE	-3. 0.0300
**				
CP426662	426642	2	NONE NONE	-3. 0.0000
CP426642	OUT	2	NONE NONE	-3. 0.0000
CP426661	426641	2	NONE NONE	-3. 0.0000
CP426641	OUT	2	NONE 413331	-3. 0.0000
CP416401	416501	6	NONE	0.0000
CP416501	416531	6	NONE	0.0000
CP416601	416701	6	NONE	0.0000
CP416531	416601	6	NONE	0.0000
CP103341	426602	2	NONE NONE	-3. 0.0000
CP426602	426601	6	NONE	0.0000
CP416701	416731	6	NONE	0.0000
CP426601	426603	6	NONE	0.0000
CP416731	426602	6	413331	0.0000
CP416741	OUT	2	NONE NONE	-3. 0.0000
CP426603	476701	6	NONE	0.0000
CP476701	416901	6	NONE	0.0000
CP417001	417002	6	NONE	0.0000
CP417002	417003	6	NONE	0.0000
CP417003	CON026	6	NONE	0.0000
CPCON026	417121	6	NONE	0.0060
CP417051	CON026	2	NONE NONE	-3. 0.0000
CP417121	417111	6	NONE	0.0060
CP417111	417201	6	NONE	0.0060
CP417201	417202	6	NONE	0.0060
CP417202	417301	6	NONE	0.0060
CP417301	417431	6	NONE	0.0120
** CLEAR FORK AT LUEDERS				
**CP417431	417502	6	413331	0.0640
CP417431	LUSUBS	6	413331	0.0000

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CPLUSUBS	LU-DRY	6	NONE	-3.	0.0000	
CPLU-DRY	LU-AVG	6	NONE	-3.	0.0000	
CPLU-AVG	LU-WET	6	NONE	-3.	0.0000	
CPLU-WET	LUWPUL	6	NONE	-3.	0.0000	
CPLUDPUL	LUAPUL	6	NONE	-3.	0.0000	
CPLUAPUL	LUWPUL	6	NONE	-3.	0.0000	
CPLUWPUL	417502	6	NONE	-3.	0.0640	
**						
CP417502	417531	6	NONE		0.0000	
CP417501	CON029	6	NONE		0.2370	
CP417531	417501	6	413331		0.0060	
CPCON029	418501	6	NONE		0.1340	
CP418501	418502	6	NONE		0.0000	
CP418502	CFFG18	6	NONE		0.0110	
CP418541	OUT	2	NONE	413331	-3.	0.0000
CPCFFG18	418601	1	NONE	-3.	0.0060	
CP418602	418631	6	NONE		0.0000	
CP418601	418701	6	NONE		0.1190	
CP418631	418601	6	413331		0.0000	
CP418701	418801	6	NONE		0.0300	
CP418801	418921	6	NONE		0.0060	
CP418921	419001	6	NONE		0.0060	
CP419001	418911	6	NONE		0.0000	
CP418911	419101	6	NONE		0.0000	
CP419101	419201	6	NONE		0.0180	
CP419103	419102	6	NONE		0.0000	
CP419102	419201	6	NONE		0.0000	
CP419201	419331	6	NONE		0.0000	
CP419331	419104	6	220131		0.0060	
CP419104	CON030	6	NONE		0.0350	
CP419401	419431	6	NONE		0.0000	
CPCON030	419501	6	NONE		0.0000	
CP419431	CON030	6	341331		0.0000	
**CP419501	419601	6	NONE		0.0180	
CP419501	419105	6	NONE		0.0130	
CP419105	419601	6	NONE		0.0050	
**						
CP419601	419701	6	NONE		0.0120	
CP419701	419831	6	NONE		0.0000	
CP419831	419902	6	220131		0.0060	
CP419902	419901	6	NONE		0.0060	
CP419901	CON035	6	NONE		0.0000	
CP420801	420831	6	NONE		0.0000	
CP420131	420401	6	413331		0.0000	
CP420201	420231	6	NONE		0.0000	
CP420301	420331	6	NONE		0.0000	
CP420231	420301	6	413331		0.0000	
CP420332	420401	6	413331		0.0000	
CP420331	420401	6	NONE		0.0000	
CP420401	420501	6	NONE		0.0000	
CP420501	420502	6	NONE		0.0000	
CP420502	420503	6	NONE		0.0000	
CP420503	420702	6	NONE		0.0000	
CP420001	420702	6	413331		0.0000	
CP420702	420732	6	NONE		0.0000	
CP420701	420731	6	NONE		0.0000	
CPCON166	CON167	6	NONE		0.0000	
CP420731	CON166	6	NONE		0.0000	
CP420732	CON166	6	413331		0.0000	
CPCON167	HCAL19	6	NONE		0.0000	
CP420831	CON167	6	413331		0.0000	
CPHCAL19	CON031	1	NONE	-3.	0.0360	
CP420901	420931	6	NONE		0.0000	
CPCON031	CON032	6	NONE		0.0450	
CP420931	CON031	6	413331		0.0000	
CP421001	421031	6	NONE		0.0000	
CPCON032	CON239	6	NONE		0.0450	
CP421031	CON032	6	413331		0.0000	
CPW12332	CON239	6	NONE		0.0000	
CP421201	421231	6	NONE		0.0000	
CPW12341	421102	6	NONE		0.0000	
CP421101	421131	6	NONE		0.0000	
CP421102	421101	6	NONE		0.0000	
CPW12342	421102	6	NONE		0.0000	
CP421131	BSBR20	6			0.0000	
CPBSBR20	CON239	1	NONE	-3.	0.0810	
CP421231	BSBR20	6	413331		0.0000	
CPW12331	CON239	6	NONE		0.0000	
CPCON239	421301	6	NONE		0.0090	
CP421301	421331	6	NONE		0.0000	
CPHCBR21	CON033	1	NONE	-3.	0.0500	
CP421331	HCBR21	6			0.0080	
CP421401	421431	6	NONE		0.0000	
CP421501	421531	6	NONE		0.0000	

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CP421431	421501	6			0.0000
CP100401	421601	2	NONE	NONE	-3. 0.0000
CP421601	421602	6		NONE	0.0000
CP421531	421601	6		220131	0.0000
CP421602	CON033	6		NONE	0.0000
CP421701	421731	6		NONE	0.0000
CPCON033	421801	6		NONE	0.0000
CP421731	CON033	6		220131	0.0000
CP421801	421802	6		NONE	0.0000
CP421802	421901	6		NONE	0.0060
CP421901	422001	6		NONE	0.0060
CP422001	421902	6		NONE	0.0000
CP421902	422102	6		NONE	0.0000
CP422102	CON035	6		NONE	0.0060
CP419903	419931	6		NONE	0.0000
CP419931	CON035	6		220131	0.0000
CP422101	422201	6		NONE	0.0190
CPCON035	422101	6		NONE	0.0000
CP422301	422431	6		NONE	0.0120
CP422201	422301	6		NONE	0.0660
CP422431	CFEL22	6		220131	0.0000
CPCFEL22	422504	1		NONE	-3. 0.0060
CP422504	422503	6		NONE	-3. 0.0000
CP422503	422603	6		NONE	0.0060
CP422603	422602	6		NONE	0.0000
CP422602	422502	6		NONE	0.0000
CP422502	422501	6		NONE	0.0000
CP422501	422601	6		NONE	0.0000
CP422601	422701	6		NONE	0.0060
CP422701	416804	6		NONE	0.0110
CP416804	416803	6		NONE	0.0000
CP416803	416802	6		NONE	0.0060
CP416802	416801	6		NONE	0.0000
CP416801	CON036	6		NONE	0.0450
CPCON036	W12322	6		NONE	0.0000
CPW12322	BR5B23	6		NONE	0.0100
** Brazos River near South Bend					
**CPBR5B23	345301	1		NONE	-3. 0.0030
CPBR5B23	SBSUBS	1		NONE	-3.
CPSBSUBS	SB-DRY	2	BR5B23	NONE	-3.
CPSB-DRY	SB-AVG	2	BR5B23	NONE	-3.
CPSB-AVG	SB-WET	2	BR5B23	NONE	-3.
CPSB-WET	SBDPUL	2	BR5B23	NONE	-3.
CPSBDPUL	SBAPUL	2	BR5B23	NONE	-3.
CPSBAPUL	SBWPUL	2	BR5B23	NONE	-3.
CPSBWPUL	345301	2	BR5B23	NONE	-3. 0.0030
**					
CP345301	CON037	6		NONE	0.0010
CP345401	345431	6		NONE	0.0000
CP345441	345441	2	NONE	NONE	-3. 0.0000
CP345441	OUT	2	NONE	NONE	-3. 0.0000
CPP51651	345503	6		NONE	0.0000
CP345431	P51651	6		344801	0.0000
CP345503	W12312	6		NONE	0.0000
CP345502	345501	6		NONE	0.0000
CP345501	W12312	6		344801	0.0000
CPW12312	345801	6		NONE	0.0000
CP345601	345631	6		NONE	0.0000
CP345602	345632	6		NONE	0.0000
CP345631	345602	6		NONE	0.0000
CP005511	345804	2	NONE	NONE	-3. 0.0000
CP345701	345731	6		NONE	0.0000
CP345702	345732	6		NONE	0.0000
CP345731	345702	6		NONE	0.0000
CP345801	345805	6		NONE	0.0000
CP345805	345832	6		NONE	0.0000
CP005512	W12311	2	NONE	NONE	-3. 0.0000
CPW12311	345921	6		NONE	0.0000
CP345832	D34583	6		345831	0.0000
CP345921	345911	6		NONE	0.0000
CP345804	345831	6		NONE	0.0000
CP345632	345801	6		344801	0.0000
CP345732	345801	6		344801	0.0000
CPGHGH24	CON034	1		NONE	-3. 0.0000
CP345831	D34583	6		NONE	0.0000
CP345911	GHGH24	6		NONE	0.0000
CPCON034	346002	6		NONE	0.0000
CP346002	346001	6		NONE	0.0000
CP345802	345803	6		NONE	0.0000
CP346001	345802	6		NONE	0.0010
CP345803	345833	6		NONE	0.0000
CP104871	346102	2	NONE	NONE	-3. 0.0000
CP346102	346101	6		NONE	0.0000
CP345833	346102	6		344801	0.0010

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CP346101	CON037	6	NONE	0.0010		
CPCON037	WL2082	6	NONE	0.0020		
CPW12082	CON038	6	NONE	0.0050		
CPW12072	CON038	6	NONE	0.0000		
CP346201	346231	6	NONE	0.0000		
CP346251	346306	2	NONE	NONE	-3.	0.0000
CP346306	346304	6	NONE	0.0000		
CP346231	346306	6	344801	0.0000		
CP346305	346304	6	NONE	0.0000		
CP346304	346303	6	NONE	0.0000		
CP346303	346302	6	NONE	0.0000		
CP346302	346301	6	NONE	0.0000		
CP346301	CON038	6	NONE	0.0000		
CPCON038	CON039	6	NONE	0.0030		
CPCCIV25	CON039	1	NONE	-3.	0.0040	
CPW12071	CON039	6	NONE	0.0000		
CPCON039	WL2061	6	NONE	0.0040		
CPW12061	515501	6	NONE	0.0000		
CP515501	515531	6	NONE	0.0000		
CPSHGR26	399901	1	NONE	-3.	0.0040	
** FNI change for FERC instream flow						
**CP515531	SHGR26	6		0.0000		
CP515531	51551F	6		0.0000		
CP51551F	SHGR26	6	NONE	0.0000		
** end FNI change						
CP515551	399901	2	NONE	NONE	-3.	0.0000
CP027891	399901	2	NONE	NONE	-3.	0.0000
CP039571	CON045	2	NONE	NONE	-3.	0.0000
CP399901	BRPP27	6	NONE	0.0010		
** Brazos River near Palo Pinto						
**CPBRPP27	400001	1	NONE	-3.	0.0010	
CPBRPP27	PPSUBS	1	NONE	-3.		
CPPPSUBS	PP-DRY	2	BRPP27	NONE	-3.	
CPPP-DRY	PP-AVG	2	BRPP27	NONE	-3.	
CPPP-AVG	PP-WET	2	BRPP27	NONE	-3.	
CPPP-WET	PPDPUL	2	BRPP27	NONE	-3.	
CPPPDPUL	PPASPL	2	BRPP27	NONE	-3.	
CPPPASPL	PPALPL	2	BRPP27	NONE	-3.	
CPPPALPL	PPWSPL	2	BRPP27	NONE	-3.	
CPPPWSPL	PPWLPL	2	BRPP27	NONE	-3.	
CPPPWLPL	400001	2	BRPP27	NONE	-3.	0.0010
**						
CP400001	400102	6	NONE	0.0020		
CP400531	400001	6	NONE	0.0000		
CP400102	400101	6	NONE	0.0000		
CP400101	CON040	6	NONE	0.0010		
CP400505	400531	6	NONE	0.0000		
CP400201	400231	6	NONE	0.0000		
CP400331	400301	6	220131	0.0000		
CP400301	400302	6	NONE	0.0000		
CP400302	400431	6	NONE	0.0000		
CP400431	400401	6	220131	0.0000		
CP400231	400431	6	344801	0.0000		
CP400401	400432	6	NONE	0.0000		
CP400451	400401	2	NONE	NONE	-3.	0.0000
CPCON040	400503	6	NONE	0.0000		
CP400432	CON040	6	NONE	0.0000		
CP400503	400502	6	NONE	0.0010		
CP400502	CON190	6	NONE	0.0010		
CP400504	400532	6	NONE	0.0000		
CP400501	CON190	6	NONE	0.0000		
CP400532	400501	6	220131	0.0000		
CPCON190	CON042	6	NONE	0.0030		
CP403152	400602	2	NONE	NONE	-3.	0.0000
CP400602	400601	6	NONE	0.0000		
CP105852	400601	2	NONE	NONE	-3.	0.0000
CP400601	400701	6	NONE	0.0000		
CP400701	CON042	6	NONE	0.0000		
CPCON042	400901	6	NONE	0.0010		
CP400901	401001	6	NONE	0.0000		
CP400801	401101	6	NONE	0.0050		
CP401001	400801	6	NONE	0.0000		
CP401101	401202	6	NONE	0.0000		
CP401202	401301	6	NONE	0.0000		
CP401301	CON189	6	NONE	0.0000		
CPCON189	CON044	6	NONE	0.0000		
CP401332	CON189	6	NONE	0.0000		
CP401334	CON189	6	NONE	0.0000		
CP401305	401331	6	NONE	0.0000		
CP401306	401332	6	NONE	0.0000		
CP401331	401306	6	NONE	0.0000		
CP401307	401333	6	NONE	0.0000		
CP401308	401334	6	NONE	0.0000		
CP401333	401308	6	220131	0.0000		

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CP402301	402331	6		NONE		0.0000
CP401841	401861	2	NONE	NONE	-3.	0.0000
CP401601	401631	6		NONE		0.0000
CP401701	401731	6		NONE		0.0000
CP401401	401402	6		NONE		0.0000
CP401501	402003	6		NONE		0.0000
CP401402	401403	6		NONE		0.0000
CP401403	401404	6		NONE		0.0000
CP401404	401405	6		NONE		0.0000
CP401405	401431	6		NONE		0.0000
CP401431	401501	6		220131		0.0000
CP401901	401931	6		NONE		0.0000
CP401631	401901	6		220131		0.0000
CP401731	401801	6		220131		0.0000
CP401801	401831	6		NONE		0.0000
CP401831	401901	6		NONE		0.0000
CP401861	OUT	2	NONE	NONE	-3.	0.0000
CP402003	402002	6		NONE		0.0000
CP401931	402003	6		220131		0.0000
CP402161	OUT	2	NONE	NONE	-3.	0.0000
CP402162	OUT	2	NONE	NONE	-3.	0.0000
CP402163	OUT	2	NONE	NONE	-3.	0.0000
CP402002	402001	6		NONE		0.0000
CP402001	402201	6		NONE		0.0000
CP402101	402201	6		220131		0.0000
CP402143	402163	2	NONE	NONE	-3.	0.0000
CP402142	402162	2	NONE	220131	-3.	0.0000
CP402141	402161	2	NONE	NONE	-3.	0.0000
CP402201	W12301	6		NONE		0.0000
CP402401	402431	6		NONE		0.0000
CP402402	402432	6		NONE		0.0000
CP402502	402531	6		NONE		0.0000
CP402701	402731	6		NONE		0.0000
CP402631	402701	6		NONE		0.0000
CP402841	OUT	2	NONE	NONE	-3.	0.0000
CP402802	402801	6		NONE		0.0000
CP402803	402831	6		NONE		0.0000
CP402801	W12301	6		NONE		0.0000
CP402831	402801	6		220131		0.0000
CP402901	402931	6		NONE		0.0000
CPW12301	403101	6		NONE		0.0000
CP402331	W12301	6		220131		0.0000
CP402431	W12301	6		220131		0.0000
CP402432	W12301	6		220131		0.0000
CP402531	402601	6		220131		0.0000
CP402601	402631	6		NONE		0.0000
CP402731	W12301	6		220131		0.0000
CP402931	W12301	6		220131		0.0000
CPW12302	403201	6		NONE		0.0000
CP403031	403101	6		220131		0.0000
CP403101	403131	6		NONE		0.0000
CP019031	403201	2	NONE	NONE	-3.	0.0000
CP019032	403201	2	NONE	NONE	-3.	0.0000
CP019033	403201	2	NONE	NONE	-3.	0.0000
CP403151	403201	2	NONE	NONE	-3.	0.0000
CP403341	OUT	2	NONE	NONE	-3.	0.0000
CP403201	403301	6		NONE		0.0000
CP403131	W12302	6				0.0000
CP403333	403301	6		NONE		0.0000
CP403332	403301	6		NONE		0.0000
CP403331	403301	6		220131		0.0000
CP403301	403701	6		NONE		0.0000
CP403601	403631	6		NONE		0.0000
CP403441	OUT	2	NONE	NONE	-3.	0.0000
CP403401	403501	6		NONE		0.0000
CP403501	403701	6		NONE		0.0000
CP403701	PPSA28	6		NONE		0.0000
CP403631	403701	6		220131		0.0000
CPPPSA28	403803	1		NONE	-3.	0.0040
CP403803	403802	6		NONE		0.0040
CP403802	403801	6		NONE		0.0000
CP403801	403102	6		NONE		0.0180
CP403102	403132	6		NONE		0.0000
CP401201	CON044	6		NONE		0.0040
CP403132	401201	6		220131		0.0040
CPCON044	401302	6		NONE		0.0000
CP401302	401303	6		NONE		0.0010
CP401303	401304	6		NONE		0.0000
CP401309	401335	6		NONE		0.0000
CP401304	CON045	6		NONE		0.0010
CP401335	401304	6		220131		0.0000
CP401300	401336	6		NONE		0.0000
CP40130A	401337	6		NONE		0.0000
CP401336	40130A	6		NONE		0.0000

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CP544751	544701	2	NONE	NONE	-3.	0.0000
CP544701	544731	6		NONE		0.0000
CP386242	OUT	2	NONE	NONE	-3.	0.0000
CP386241	OUT	2	NONE	227031	-3.	0.0000
CP404001	404031	6		NONE		0.0000
CP404002	404032	6		NONE		0.0000
CP404032	386201	6		227031		0.0000
CP404101	404131	6		NONE		0.0000
CP404201	404231	6		NONE		0.0000
CP386201	CON045	6		NONE		0.0000
CP404031	386201	6		227031		0.0000
CP404131	386201	6		227031		0.0000
CP404231	386201	6		227031		0.0000
CPP51641	5164P1	6		NONE		0.0000
CP403901	403931	6		NONE		0.0000
CP105851	CON045	2	NONE	NONE	-3.	0.0000
CPCON045	CON046	6		NONE		0.0020
CP401337	CON045	6		220131		0.0000
CP544731	CON045	6		220131		0.0000
CP5164P1	CON045	6		220131		0.0000
CP403931	CON045	6				0.0000
CP404301	404331	6		NONE		0.0000
CPCON046	404402	6		NONE		0.0010
CP404331	CON046	6		220131		0.0000
CP404402	404401	6		NONE		0.0000
**CP 404401 now flows into CP 576701.						
**CP404401	BRDE29	6		NONE		0.0000
CP404401	576701	6		NONE		0.0000
CPBRDE29	404502	1		NONE	-3.	0.0010
CP404502	404501	6		NONE		0.0000
CP404501	404601	6		NONE		0.0000
CP404601	404703	6		NONE		0.0000
CP404703	404702	6		NONE		0.0000
CP404702	404701	6		NONE		0.0000
CP404701	CON047	6		NONE		0.0010
CP404801	404802	6		220131		0.0000
CP404901	404931	6		NONE		0.0000
CP404902	404932	6		NONE		0.0000
CP404931	404902	6		NONE		0.0000
CP405002	405032	6		NONE		0.0000
CP404932	405002	6		227031		0.0000
CP405032	405001	6		NONE		0.0000
CP405001	405031	6		NONE		0.0000
CP405242	OUT	2	NONE	NONE	-3.	0.0000
CP405241	OUT	2	NONE	227031	-3.	0.0000
CP405243	OUT	2	NONE	NONE	-3.	0.0000
CP405331	405332	6		NONE		0.0000
CP405332	CON048	6		227031		0.0000
CPCON047	405101	6		NONE		0.0010
CP404802	404831	6		NONE		0.0000
CP404831	CON047	6		220131		0.0000
CP405031	CON047	6		227031		0.0000
CP405101	CON048	6		NONE		0.0010
CP405201	W12052	6		NONE		0.0000
CP021702	405201	2	NONE	NONE	-3.	0.0000
CP021701	W12052	2	NONE	NONE	-3.	0.0000
CP021703	W12052	2	NONE	NONE	-3.	0.0000
CPW12052	405401	6		NONE		0.0010
CP405501	411401	6		NONE		0.0000
CP411401	CON191	6		NONE		0.0000
CPCON191	CON049	6		NONE		0.0000
CP405601	405631	6		NONE		0.0000
CP405631	CON049	6		227031		0.0000
CP405834	405833	6		NONE		0.0000
CP405833	CON192	6		NONE		0.0000
CPCON192	CON193	6		NONE		0.0010
CP405832	405831	6		NONE		0.0000
CP405831	CON193	6		227031		0.0000
**CPCON193	CON194	6		NONE		0.0020
CPCON193	406001	6		NONE		0.0016
CP406001	CON194	6		NONE		0.0004
CP406631	CON194	6		227031		0.0000
CP101782	CON194	2	NONE	NONE	-3.	0.0000
CPCON194	CON050	6		NONE		0.0020
CP014811	CON050	2	NONE	NONE	-3.	0.0000
CP385102	385132	6		NONE		0.0000
CP385132	385131	6		NONE		0.0000
CP385131	385101	6		227031		0.0000
CP385101	CON050	6		NONE		0.0000
CP406901	406931	6		NONE		0.0000
CPCON050	W12051	6		NONE		0.0010
CP406931	CON050	6		227031		0.0000
CP409753	W12051	2	NONE	NONE	-3.	0.0000
CPW12051	405701	6		NONE		0.0000

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CP405701	405901	6	NONE	0.0000
**CP405901	406001	6	NONE	0.0000
CP405901	406101	6	NONE	0.0000
**CP406001	406101	6	NONE	0.0000
CP406101	406201	6	NONE	0.0000
CP406201	406301	6	NONE	0.0000
CP406301	406401	6	NONE	0.0000
CP406401	406501	6	NONE	0.0000
CP406501	406701	6	NONE	0.0000
CP406701	406801	6	NONE	0.0000
CP406801	407001	6	NONE	0.0000
CP407001	407101	6	NONE	0.0000
CP407101	515601	6	NONE	0.0000
CP515601	515631	6	NONE	0.0000
CP515631	407301	6		0.0000
CP515651	407301	2	NONE	-3. 0.0000
CP407301	407401	6	NONE	0.0000
CP407401	407203	6	NONE	0.0000
CP407203	CON062	6	NONE	0.0000
CP407531	CON062	6	227031	0.0000
CPCON062	WL2042	6	NONE	0.0000
CPW12042	407202	6	NONE	0.0000
CP407202	407201	6	NONE	0.0010
CP407241	OUT	2	NONE	227031 -3. 0.0000
CP407201	407601	6	NONE	0.0030
CP407601	407702	6	NONE	0.0000
CP407702	407701	6	NONE	0.0000
CP407701	407801	6	NONE	0.0000
CP407801	407901	6	NONE	0.0000
CP407901	408001	6	NONE	0.0000
CP407931	408001	6	227031	0.0000
CP408001	408002	6	NONE	0.0000
CP408002	408003	6	NONE	0.0000
CP408003	408101	6	NONE	0.0000
CP408101	408102	6	NONE	0.0000
CP408102	408201	6	NONE	0.0000
CP408201	408202	6	NONE	0.0000
CP408202	408203	6	NONE	0.0000
CP408203	408301	6	NONE	0.0000
CP408301	BRGR30	6	NONE	0.0020
CP014012	BRGR30	2	NONE	NONE -3. 0.0000
** Brazos River near Glen Rose				
**CPBRGR30	CON063	1	NONE	-3. 0.0010
CPBRGR30	GRSUBS	1	NONE	-3.
CPGRSUBS	GR-DRY	2	BRGR30	NONE -3.
CPGR-DRY	GR-AVG	2	BRGR30	NONE -3.
CPGR-AVG	GR-WET	2	BRGR30	NONE -3.
CPGR-WET	GRDPUL	2	BRGR30	NONE -3.
CPGRDPUL	GRASPL	2	BRGR30	NONE -3.
CPGRASPL	GRALPL	2	BRGR30	NONE -3.
CPGRALPL	GRWSPL	2	BRGR30	NONE -3.
CPGRWSPL	GRWLPL	2	BRGR30	NONE -3.
CPGRWLPL	CON063	2	BRGR30	NONE -3. 0.0010
**				
CPW12291	408401	6	NONE	0.0000
CP408401	CON200	6	NONE	0.0000
CP408402	408431	6	NONE	0.0000
CP408431	CON200	6	220131	0.0000
CP408403	408432	6	NONE	0.0000
CP408432	408402	6	NONE	0.0000
CP408501	408531	6	NONE	0.0000
CP408531	CON200	6	220131	0.0000
CP408601	CON200	6	NONE	0.0000
CP408641	OUT	2	NONE	220131 -3. 0.0000
CPCON200	CON199	6	NONE	0.0000
CP408751	408704	2	NONE	NONE -3. 0.0000
CP408704	408731	6	NONE	0.0000
CP408731	408703	6	227031	0.0000
CP408703	408702	6	NONE	0.0000
CP408752	408705	2	NONE	NONE -3. 0.0000
CP408705	408732	6	NONE	0.0000
CP408732	408701	6	NONE	0.0000
CP408702	408701	6	227031	0.0000
CP408701	CON199	6	NONE	0.0000
CPCON199	408801	6	NONE	0.0000
CP408801	CON198	6	227031	0.0000
CP408861	408841	2	NONE	NONE -3. 0.0000
CP408841	OUT	2	NONE	227031 -3. 0.0000
CP562831	CON198	6	220131	0.0000
CPCON198	CON197	6	NONE	0.0000
CP529501	5295P1	6	NONE	0.0000
CP5295P1	408902	6	220131	0.0000
CP529502	529532	6	NONE	0.0000
CP529532	408902	6	220131	0.0000

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CP408902	408901	6	NONE	0.0000
CP562832	408901	6	220131	0.0000
CP408901	CON197	6	NONE	0.0000
CPCON197	CON196	6	NONE	0.0000
CP409001	409031	6	NONE	0.0000
CP409031	409201	6	227031	0.0000
CP409101	409131	6	NONE	0.0000
CP409131	393901	6	227031	0.0000
CP393901	393931	6	NONE	0.0000
CP393931	409201	6	227031	0.0000
CP409201	409301	6	NONE	0.0000
CP409301	CON196	6	NONE	0.0000
CPCON196	409402	6	NONE	0.0000
CP409402	409401	6	NONE	0.0000
CP409401	409501	6	NONE	0.0000
CP409501	PAGR31	6	NONE	0.0000
** ADD CP FOR SOMERVELL COUNTY WATER DISTRICT, APP.5744				
**CPPAGR31	409631	1	NONE	-3. 0.0010
CPPAGR31	574432	1	NONE	-3. 0.0009
CP574432	409631	6	227031	0.0001
CP574431	409631	6	227031	0.0000
**				
CP409631	CON073	6	227031	0.0010
CP409701	409731	6	NONE	0.0000
CP409731	546001	6		0.0000
CP409702	409732	6	NONE	0.0000
CP409732	546001	6	409731	0.0000
** FNI Change - add dummy CP for Squaw Creek fill with Lake Granbury water				
CP4097DM	OUT	2	NONE NONE	-3. 0.0000
CP409751	546001	2	NONE NONE	-3. 0.0000
CP409752	546001	2	NONE NONE	-3. 0.0000
CP018544	546001	2	NONE NONE	-3. 0.0000
CP018541	546001	2	NONE NONE	-3. 0.0000
CP546051	546001	2	NONE NONE	-3. 0.0000
CP546052	546001	2	NONE NONE	-3. 0.0000
CP546001	546031	6	NONE	0.0000
CP546061	546041	2	NONE NONE	-3. 0.0000
CP546041	OUT	2	NONE 227031	-3. 0.0000
CP546062	546042	2	NONE NONE	-3. 0.0000
CP546042	OUT	2	NONE NONE	-3. 0.0000
CP546031	CON073	6	227031	0.0000
CPCON073	W12292	6	NONE	0.0000
CPW12292	CON063	6	NONE	0.0000
CPCON063	409801	6	NONE	0.0010
CP409801	409901	6	NONE	0.0020
CP409901	CON064	6	NONE	0.0010
CP502801	502831	6	NONE	0.0000
CP502831	CON064	6	227031	0.0000
CP502851	502852	2	NONE NONE	-3. 0.0000
CP502852	CON064	2	NONE NONE	-3. 0.0000
CPCON064	410001	6	NONE	0.0010
CP410051	410001	2	NONE NONE	-3. 0.0000
CP410001	W12041	6	NONE	0.0010
CPW12041	410201	6	NONE	0.0000
CP410201	W12032	6	NONE	0.0000
CPW12032	CON065	6	NONE	0.0000
CP410131	CON065	6	227031	0.0000
CPCON065	410202	6	NONE	0.0000
CP410202	410301	6	NONE	0.0010
CP410203	410301	6	NONE	0.0000
CP410301	410302	6	NONE	0.0000
CP410302	410303	6	NONE	0.0000
CP410303	410304	6	NONE	0.0000
CP410304	410305	6	NONE	0.0000
CP410305	410306	6	NONE	0.0000
CP410306	410401	6	NONE	0.0010
CP410401	410402	6	NONE	0.0000
CP410402	410403	6	NONE	0.0000
CP410403	410404	6	NONE	0.0000
CP410404	410405	6	NONE	0.0000
CP410405	410406	6	NONE	0.0010
CP410406	410407	6	NONE	0.0000
CP410407	410408	6	NONE	0.0000
**CP410408	CON066	6	NONE	0.0020
**CP410409	CON066	6	NONE	0.0000
CP410408	410409	6	NONE	0.0004
CP410409	CON066	6	NONE	0.0016
CP410501	W12282	6	NONE	0.0000
CPW12282	410601	6	NONE	0.0000
CPW12281	CON195	6	NONE	0.0000
CP410601	410631	6	NONE	0.0000
CP410631	410602	6		0.0000
CP410602	W12272	6	NONE	0.0000
CPW12272	W12281	6	NONE	0.0000

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CP425801	425831	6	NONE	0.0000
CP425831	410701	6	227031	0.0000
CP100061	410701	2	NONE	-3. 0.0000
CP410701	CON195	6	NONE	0.0000
** FNI change - Cleburne reuse				
**CPCON195	NRBL32	6	NONE	0.0000
CPCON195	4106C	6	NONE	0.0000
CP 4106C	NRBL32	6	NONE	0.0000
**				
CPNRBL32	W12271	1	NONE	-3. 0.0010
CPW12271	CON066	6	NONE	0.0020
CPCON066	CON067	6	NONE	0.0010
CP410801	410802	6	NONE	0.0000
CP410802	CON067	6	NONE	0.0000
CP410803	CON067	6	NONE	0.0000
CPCON067	CON068	6	NONE	0.0030
CP410901	410931	6	NONE	0.0000
CP410931	411001	6	227031	0.0000
CP411001	CON068	6	NONE	0.0000
CP411101	411131	6	NONE	0.0000
CP411131	CON068	6	228731	0.0000
CP411201	411231	6	NONE	0.0000
CP411231	CON068	6	227031	0.0000
CPCON068	CON069	6	NONE	0.0020
CP534631	411301	6	228731	0.0000
CP411301	411331	6	NONE	0.0000
CP411331	411302	6	NONE	0.0000
CP411302	411332	6	NONE	0.0000
CP411332	411303	6	NONE	0.0000
CP411303	411333	6	NONE	0.0000
CP411333	CON069	6	228731	0.0000
CPCON069	515701	6	NONE	0.0030
CPW12031	515701	6	NONE	0.0000
CP515701	515731	6	NONE	0.0000
CP515731	W12422	6	NONE	0.0000
CP515751	W12422	2	NONE	-3. 0.0000
CPW12422	431501	6	NONE	0.0000
CP431501	431601	6	NONE	0.0000
CP431601	431802	6	NONE	0.0000
CP431802	431701	6	NONE	0.0000
CP431701	431801	6	NONE	0.0000
CP431841	OUT	2	NONE	-3. 0.0000
CP431801	BRAQ33	6	NONE	0.0000
CP431901	431902	6	NONE	0.0000
CP431902	BRAQ33	6	NONE	0.0000
CPBRAQ33	432001	1	NONE	-3. 0.0010
CP432001	431803	6	NONE	0.0000
CP431803	P41411	6	NONE	0.0000
CPP41411	432101	6	NONE	0.0000
CP432101	432201	6	NONE	0.0000
CP432201	432202	6	NONE	0.0000
CP432202	432301	6	NONE	0.0000
CP432301	432403	6	NONE	0.0000
CP432403	432402	6	NONE	0.0000
CP432402	432401	6	NONE	0.0000
CP432441	OUT	2	NONE	-3. 0.0000
CP432401	432501	6	NONE	0.0010
CP432501	432601	6	NONE	0.0000
CP432601	432701	6	NONE	0.0000
CP432701	432801	6	NONE	0.0000
CP432801	432901	6	NONE	0.0000
CP432901	433001	6	NONE	0.0010
CP433001	433101	6	NONE	0.0000
CP433101	433201	6	NONE	0.0000
CP433201	CON070	6	NONE	0.0020
CPW12541	515801	6	NONE	0.0000
CP433301	433331	6	NONE	0.0000
CP433331	515801	6	227031	0.0000
CP106301	515801	2	NONE	-3. 0.0000
CPW12542	515801	6	NONE	0.0000
CP515851	515801	2	NONE	-3. 0.0000
CP515801	515831	6	NONE	0.0000
CP515831	515802	6	NONE	0.0000
CP515802	433401	6	NONE	0.0010
CP433401	433431	6	NONE	0.0000
CP433431	AQAQ34	6	228731	0.0000
CPAQAQ34	433501	1	NONE	-3. 0.0000
CP433501	CON070	6	NONE	0.0040
CPCON070	433801	6	NONE	0.0020
CP433601	433801	6	NONE	0.0000
CP433701	433702	6	NONE	0.0000
CP433702	433801	6	NONE	0.0000
CP433801	433902	6	NONE	0.0000
CP433902	433901	6	NONE	0.0000

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CP220131	220102	6			0.0000
CP220102	220101	6	NONE		0.0000
CP220101	220331	6	NONE		0.0000
CP220331	220231	6	220131		0.0000
CP220231	220401	6	220131		0.0000
CP220401	220431	6	NONE		0.0000
CP220431	220802	6	220131		0.0000
CP220502	220531	6	NONE		0.0000
CP220531	220501	6	220131		0.0000
CP220551	220501	2	NONE	NONE	-3. 0.0000
CP220501	220802	6	NONE		0.0000
CP220631	220731	6	220131		0.0000
CP220731	220601	6	220131		0.0000
CP220651	220601	2	NONE	NONE	-3. 0.0000
CP220751	220601	2	NONE	NONE	-3. 0.0000
CP220601	220701	6	NONE		0.0000
CP220701	220802	6	NONE		0.0000
CP220803	220801	6	NONE		0.0000
CP220801	220831	6	NONE		0.0000
CP220831	220802	6	220131		0.0000
CP220851	220802	2	NONE	NONE	-3. 0.0000
CP220802	221003	6	NONE		0.0000
CP220901	220931	6	NONE		0.0000
CP220931	221003	6	220131		0.0000
CP221003	221002	6	NONE		0.0000
CP221002	221001	6	NONE		0.0000
CP221001	CON209	6	NONE		0.0000
CP221431	221231	6	220131		0.0000
CP221231	221331	6	220131		0.0000
CP221331	CON211	6	220131		0.0000
CP221101	221131	6	NONE		0.0000
CP221131	390001	6	220131		0.0000
CP390001	390002	6	NONE		0.0000
CP390002	CON211	6	220131		0.0000
CPCON211	CON210	6	NONE		0.0000
CP221502	221531	6	NONE		0.0000
CP221531	221601	6	220131		0.0000
CP221601	221631	6	NONE		0.0000
CP221631	221501	6	220131		0.0000
CP221551	221501	2	NONE	NONE	-3. 0.0000
CP221501	CON210	6	NONE		0.0000
CPCON210	CON209	6	NONE		0.0000
CPCON209	W12552	6	NONE		0.0000
CPW12552	CON208	6	NONE		0.0000
CP221731	221831	6	220131		0.0000
CP221831	CON208	6	220131		0.0000
CPCON208	561931	6	NONE		0.0000
CP561931	561932	6	220131		0.0000
CP561932	221901	6	NONE		0.0000
CP221901	222001	6	NONE		0.0000
CP102902	222001	2	NONE	NONE	-3. 0.0000
CP222001	500701	6	NONE		0.0000
CP500701	500702	6	NONE		0.0000
CP500702	222101	6	NONE		0.0000
CP222101	222201	6	NONE		0.0000
CP222201	222301	6	NONE		0.0000
CP222301	505202	6	NONE		0.0000
CP505202	505201	6	NONE		0.0000
CP505201	CON207	6	NONE		0.0000
CP222431	W12551	6	220131		0.0000
CPW12551	CON207	6	NONE		0.0000
CPCON207	W12261	6	NONE		0.0000
CPW12261	CON206	6	NONE		0.0000
CPCON206	222601	6	NONE		0.0000
CP222701	222731	6	NONE		0.0000
CP222731	222831	6	220131		0.0000
CP222851	222831	2	NONE	NONE	-3. 0.0000
CP222831	222801	6	220131		0.0000
CP222801	222802	6	NONE		0.0000
CP222802	222803	6	NONE		0.0000
CP222803	222804	6	NONE		0.0000
CP222804	CON206	6	NONE		0.0000
CP222601	222903	6	NONE		0.0000
CP222903	222902	6	NONE		0.0000
CP222902	222901	6	NONE		0.0000
CP222901	CON205	6	NONE		0.0000
CP222501	CON205	6	NONE		0.0000
CP223001	223031	6	NONE		0.0000
CP223031	223131	6	220131		0.0000
CP223131	223101	6	220131		0.0000
CP223101	CON205	6	NONE		0.0000
CP223211	223231	6	NONE		0.0000
CP223231	CON205	6	220131		0.0000
CPCON205	555721	6	NONE		0.0000

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CP555721	555711	6	NONE	0.0000
CP555711	223301	6	NONE	0.0000
CP223301	223401	6	NONE	0.0000
CP223401	P41242	6	NONE	0.0000
CPP41242	223502	6	NONE	0.0000
CP223502	223501	6	NONE	0.0000
CP223451	223402	2	NONE	-3.0000
CP223402	P41241	6	NONE	0.0000
CP412451	P41241	2	NONE	-3.0000
CPP41241	412431	6	NONE	0.0000
CP412431	223501	6	220131	0.0000
CP223501	223601	6	NONE	0.0000
CP223601	CON204	6	NONE	0.0000
CP223867	223847	2	NONE	-3.0000
CP223847	OUT	2	NONE	-3.0000
CP223866	223846	2	NONE	-3.0000
CP223846	OUT	2	NONE	-3.0000
CP223865	223845	2	NONE	-3.0000
CP223845	OUT	2	NONE	-3.0000
CP223864	223844	2	NONE	-3.0000
CP223844	OUT	2	NONE	-3.0000
CP223863	223843	2	NONE	-3.0000
CP223843	OUT	2	NONE	-3.0000
CP223862	223842	2	NONE	-3.0000
CP223842	OUT	2	NONE	-3.0000
CP223861	223841	2	NONE	-3.0000
CP223841	OUT	2	NONE	-3.0000
CP223805	223831	6	NONE	0.0000
CP223831	223804	6	220131	0.0000
CP223804	223803	6	NONE	0.0000
CP223803	223802	6	NONE	0.0000
CP223802	223801	6	NONE	0.0000
CP223701	223731	6	NONE	0.0000
CP223731	223702	6	220131	0.0000
CP223702	223801	6	NONE	0.0000
CP223801	CON204	6	NONE	0.0000
CP223901	223931	6	NONE	0.0000
CP223931	CON204	6	220131	0.0000
CP224002	224031	6	NONE	0.0000
CP224031	224001	6	220131	0.0000
CP224001	CON204	6	NONE	0.0000
CP224101	224131	6	NONE	0.0000
CP224131	224202	6	220131	0.0000
CP224202	224231	6	NONE	0.0000
CP224231	224201	6	220131	0.0000
CP224201	224302	6	NONE	0.0000
CP224302	224331	6	NONE	0.0000
CP224331	224301	6	220131	0.0000
CP224301	CON204	6	NONE	0.0000
CP224401	224431	6	NONE	0.0000
CP224431	224501	6	220131	0.0000
CP224501	224531	6	NONE	0.0000
CP224531	224502	6	220131	0.0000
CP224502	CON204	6	NONE	0.0000
CP224601	224631	6	NONE	0.0000
CP224631	224602	6	220131	0.0000
CP224602	CON204	6	NONE	0.0000
CP224702	224732	6	NONE	0.0000
CP224732	224801	6	220131	0.0000
CP224701	224731	6	NONE	0.0000
CP224731	224901	6	220131	0.0000
CP224801	224831	6	NONE	0.0000
CP224831	224902	6	220131	0.0000
CP224902	224931	6	NONE	0.0000
CP224931	224701	6	220131	0.0000
CP224901	CON204	6	NONE	0.0000
CPCON204	CON203	6	NONE	0.0000
CP225001	CON203	6	NONE	0.0000
CPCON203	225101	6	NONE	0.0000
CP225101	225202	6	NONE	0.0000
CP225202	225201	6	NONE	0.0000
CP225201	CON202	6	NONE	0.0000
CP225331	CON202	6	NONE	0.0000
CPCON202	225404	6	NONE	0.0000
CP225404	225502	6	NONE	0.0000
CP225502	225501	6	NONE	0.0000
CP225501	CON201	6	NONE	0.0000
CP505101	505131	6	NONE	0.0000
CP505131	225406	6	225331	0.0000
CP225406	225405	6	NONE	0.0000
CP225405	225403	6	NONE	0.0000
CPCON201	225402	6	NONE	0.0000
CP225403	CON201	6	NONE	0.0000
CP225402	225801	6	NONE	0.0000

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CP225801	225401	6	NONE	0.0000
CP225401	225901	6	NONE	0.0000
CP225901	225903	6	NONE	0.0000
CP225903	225902	6	NONE	0.0000
CP225902	226001	6	NONE	0.0000
CP226001	NBHI35	6	NONE	0.0000
CPNBHI35	226101	1	NONE	-3. 0.0050
CP226101	226202	6	NONE	0.0140
CP226202	226201	6	NONE	0.0000
CP226201	226301	6	NONE	0.0050
CP226301	226405	6	NONE	0.0000
CP226403	226402	6	NONE	0.0000
CP226402	226401	6	NONE	0.0000
CP226401	226405	6	NONE	0.0000
CP226405	226404	6	NONE	0.0050
CP226404	226506	6	NONE	0.0000
CP226506	378302	6	NONE	0.0000
CP378302	226505	6	NONE	0.0000
CP226505	226504	6	NONE	0.0000
CP226504	226503	6	NONE	0.0000
CP226503	378301	6	NONE	0.0050
CP378303	378304	6	NONE	0.0000
CP378304	378301	6	NONE	0.0000
CP378301	226502	6	NONE	0.0000
CP378351	378331	2	NONE	-3. 0.0000
CP378331	378301	6	228731	0.0000
CP226502	226501	6	NONE	0.0000
CP226501	226601	6	NONE	0.0310
CP226601	CON079	6	NONE	0.0050
CP226701	226801	6	NONE	0.0000
CP226801	CON079	6	NONE	0.0000
CPCON079	226901	6	NONE	0.0090
CP226901	CON071	6	NONE	0.0050
CP227032	227001	6	NONE	0.0000
CP227001	227031	6	NONE	0.0000
CP227031	CON071	6	NONE	0.0000
CPCON071	227101	6	NONE	0.0000
CP227101	227201	6	NONE	0.0050
CP227201	CON072	6	NONE	0.0140
CP227307	227333	6	NONE	0.0000
CP227333	227301	6	NONE	0.0000
CP227353	227301	6	NONE	-3. 0.0000
CP227301	227606	6	227031	0.0000
CP227305	227331	6	NONE	0.0000
CP227331	227306	6	NONE	0.0000
CP227351	227306	2	NONE	-3. 0.0000
CP227306	227332	6	NONE	0.0000
CP227332	227304	6	NONE	0.0000
CP227352	227304	2	NONE	-3. 0.0000
CP227304	227303	6	NONE	0.0000
CP227303	227302	6	NONE	0.0000
CP227701	227702	6	NONE	0.0000
CP227702	CON072	6	NONE	0.0000
CPCON072	227801	6	NONE	0.0220
CP227801	227802	6	NONE	0.0000
CP227802	227901	6	NONE	0.0140
CP227901	228001	6	NONE	0.0050
CP228001	228002	6	NONE	0.0000
CP228002	228101	6	NONE	0.0220
CP228101	228201	6	NONE	0.0050
CP228201	228202	6	NONE	0.0050
CP228202	228302	6	NONE	0.0090
CP228302	228301	6	NONE	0.0000
** add cp for application 4318B				
CP431831	228301	6	227031	0.0050
CP228301	228401	6	NONE	0.0050
CP228401	228402	6	NONE	0.0000
CP228402	228501	6	NONE	0.0000
CP228501	541101	6	NONE	0.0180
CP541101	CON074	6	NONE	0.0180
**The existing reservoir control points, 380936, 380935, 380934, 380933, 380932, 380931 were assigned evaporative loss				
CP380906	380936	6	NONE	0.0000
CP380936	380903	6	228731	0.0000
CP380905	380935	6	NONE	0.0000
CP380935	380903	6	228731	0.0000
CP380903	380933	6	NONE	0.0000
CP380933	380904	6	228731	0.0000
CP380902	380932	6	NONE	0.0000
CP380932	380904	6	228731	0.0000
CP380901	380931	6	NONE	0.0000
CP380931	380904	6	228731	0.0000
CP380904	380934	6	NONE	0.0000
CP380934	CON074	6	228731	0.0000
CP228931	CON074	6	228731	0.0000

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CP228702	228701	6	NONE	0.0000
CP228701	228731	6	NONE	0.0000
CP228731	228801	6		0.0000
CP228801	CON074	6	NONE	0.0000
CPCON074	229001	6	NONE	0.0050
CP229001	229002	6	NONE	0.0000
CP229002	CON212	6	NONE	0.0000
CPCON212	555101	6	NONE	0.0050
CP555101	229101	6	NONE	0.0000
CP229101	229131	6	NONE	0.0000
CP229131	229102	6	228731	0.0000
CP229151	229102	2	NONE	-3. 0.0000
CP229102	NBCL36	6	NONE	0.0050
** NORTH BOSQUE NEAR CLIFTON				
**CPNBCL36	229201	1	NONE	-3. 0.0000
CPNBCL36	NBSUBS	1	NONE	-3.
CPNBSUBS	NB-DRY	2	NBCL36	NONE -3.
CPNB-DRY	NB-AVG	2	NBCL36	NONE -3.
CPNB-AVG	NB-WET	2	NBCL36	NONE -3.
CPNB-WET	NBDPUL	2	NBCL36	NONE -3.
CPNBDPUL	NBAPUL	2	NBCL36	NONE -3.
CPNBAPUL	NBWPUL	2	NBCL36	NONE -3.
CPNBWPUL	229201	2	NBCL36	NONE -3. 0.0000
**				
CP229201	229301	6	NONE	0.0000
CP229301	229401	6	NONE	0.0350
CP229401	229402	6	NONE	0.0000
CP229402	229403	6	NONE	0.0000
CP229403	229501	6	NONE	0.0000
CP229501	CON075	6	NONE	0.0000
CP555102	555131	6	NONE	0.0000
CP555151	555131	2	NONE	-3. 0.0000
CP555131	CON212	6	228731	0.0000
CP229701	229731	6	NONE	0.0000
CP229731	229801	6	228731	0.0000
CP229702	229732	6	NONE	0.0000
CP229732	229703	6	NONE	0.0000
CP229703	229733	6	NONE	0.0000
CP229733	229801	6	NONE	0.0000
CP229801	CON075	6	NONE	0.0000
CPCON075	229202	6	NONE	0.0050
CP229202	229203	6	NONE	0.0000
CP229203	229204	6	NONE	0.0050
CP229204	229205	6	NONE	0.0000
CP229205	229901	6	NONE	0.0000
CP229901	229902	6	NONE	0.0050
CP229902	NBVM37	6	NONE	0.0150
CPNBVM37	230000	1	NONE	-3. 0.0040
CP230000	230101	6	NONE	0.0080
CP230101	230205	6	NONE	0.0160
CP230205	230204	6	NONE	0.0040
CP230204	230203	6	NONE	0.0000
CP230203	220804	6	NONE	0.0000
CP220804	230202	6	NONE	0.0040
CP230202	220805	6	NONE	0.0000
CP220805	230201	6	NONE	0.0000
CP230201	220806	6	NONE	0.0040
CP220806	230301	6	NONE	0.0000
CP230301	220807	6	NONE	0.0040
CP220807	230401	6	NONE	0.0000
CP230401	230502	6	NONE	0.0000
CP230502	230501	6	NONE	0.0000
CP230501	230601	6	NONE	0.0280
CP230601	WL2262	6	NONE	0.0080
CPW12262	231501	6	NONE	0.0280
CPW12252	231501	6	NONE	0.0000
CPP36361	363631	6	NONE	0.0000
CP231131	CON213	6	228731	0.0000
CP363631	CON213	6	228731	0.0000
CPCON213	231206	6	NONE	0.0000
CP231206	231236	6	NONE	0.0000
CP231236	231205	6	NONE	0.0000
CP231205	231235	6	NONE	0.0000
CP231235	231204	6	NONE	0.0000
CP231204	231234	6	NONE	0.0000
CP231234	231203	6	NONE	0.0000
CP231203	231233	6	NONE	0.0000
CP231233	231202	6	NONE	0.0000
CP231202	231232	6	NONE	0.0000
CP231232	231201	6	NONE	0.0000
CP231201	231231	6	NONE	0.0000
CP231231	CON214	6	228731	0.0000
CP231331	CON214	6	228731	0.0000
CPCON214	231303	6	NONE	0.0000

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CP231303	231302	6	NONE	0.0000
CP231302	231301	6	NONE	0.0000
CP231301	HGCR39	6	NONE	0.0000
CPHGCR39	CON078	1	NONE	-3. 0.0410
CPW12461	230701	6	NONE	0.0000
CP230701	230801	6	NONE	0.0000
CP230801	CON215	6	NONE	0.0000
CP413551	P41351	2	NONE	-3. 0.0000
CPP41351	CON215	6	NONE	0.0000
CP413541	OUT	2	NONE	228731 -3. 0.0000
CPCON215	MBMG38	6	NONE	0.0000
CPMBMG38	CON077	1	NONE	-3. 0.0340
CP231003	231033	6	NONE	0.0000
CP231033	231002	6	NONE	0.0000
CP231002	231032	6	NONE	0.0000
CP231032	231001	6	NONE	0.0000
CP231001	231031	6	NONE	0.0000
CP231031	CON077	6	228731	0.0000
CP102191	230901	2	NONE	-3. 0.0000
CP230901	CON077	6	NONE	0.0000
CP539741	OUT	2	NONE	228731 -3. 0.0000
CP539701	539731	6	NONE	0.0000
CP539731	CON077	6	228731	0.0000
CPCON077	W12462	6	NONE	0.0000
CPW12462	W12251	6	NONE	0.0000
CPW12251	CON078	6	NONE	0.0080
CPCON078	231501	6	NONE	0.0050
CP231431	231432	6	NONE	0.0000
CP231432	231501	6	228731	0.0000
CP509401	509431	6	NONE	0.0000
CP509431	BOWA40	6	228731	0.0080
CP231531	509401	6		0.0000
CP231501	231531	6	NONE	0.0000
CP231602	231601	6	NONE	0.0000
CP231601	BOWA40	6	NONE	0.0000
CPBOWA40	231703	1	NONE	-3. 0.0040
CP231703	231801	6	NONE	0.0000
CP231801	231702	6	NONE	0.0040
CP231702	231701	6	NONE	0.0000
CP231701	433901	6	NONE	0.0040
CP346501	346531	6	NONE	0.0000
CP346531	346801	6	220131	0.0000
CP346631	346801	6	220131	0.0000
CP346701	346731	6	NONE	0.0000
CP346731	346801	6	413331	0.0000
CP106371	346801	2	NONE	-3. 0.0000
CP346801	346831	6	NONE	0.0000
CP346831	CON182	6	220131	0.0000
CP347401	347431	6	NONE	0.0000
CP347431	347501	6	220131	0.0000
CP347501	347531	6	NONE	0.0000
CP347531	CON182	6	220131	0.0000
CPCON182	W12241	6	NONE	0.0000
CPW12241	W12242	6	NONE	0.0000
CP346901	346931	6	NONE	0.0000
CP346931	W12242	6	220131	0.0000
CPW12242	347001	6	NONE	0.0000
CP347001	347031	6	NONE	0.0000
CP347051	347001	2	NONE	-3. 0.0000
CP347031	CON181	6		0.0000
CP347101	347131	6	NONE	0.0000
CP347131	347102	6	NONE	0.0000
CP347102	347132	6	NONE	0.0000
CP347132	CON181	6	220131	0.0000
CP347201	347231	6	NONE	0.0000
CP347231	CON181	6	220131	0.0000
CPCON181	W12232	6	NONE	0.0000
CPW12232	CON180	6	NONE	0.0000
CP347301	347331	6	NONE	0.0000
CP347331	CON180	6	220131	0.0000
CPCON180	CON179	6	NONE	0.0000
CP347901	347931	6	NONE	0.0000
CP347931	348001	6	220131	0.0000
CP348001	348031	6	NONE	0.0000
CP348031	CON179	6	220131	0.0000
CP348101	348131	6	NONE	0.0000
CP348131	CON179	6	220131	0.0000
CP348201	348231	6	NONE	0.0000
CP348231	348202	6	NONE	0.0000
CP348202	348232	6	NONE	0.0000
CP348232	CON179	6	220131	0.0000
CP348251	348232	2	NONE	-3. 0.0000
CPCON179	CON178	6	NONE	0.0000
CP348301	348302	6	NONE	0.0000

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CP348302	348331	6	NONE	0.0000
CP348331	CON178	6	220131	0.0000
CP348401	348431	6	NONE	0.0000
CP348431	CON178	6	220131	0.0000
CPCON178	CON177	6	NONE	0.0000
CP348602	348632	6	NONE	0.0000
CP348632	CON177	6	220131	0.0000
CP348603	348633	6	NONE	0.0000
CP348633	CON177	6	220131	0.0000
CP348501	348531	6	NONE	0.0000
CP348531	348601	6	220131	0.0000
CP348601	348631	6	NONE	0.0000
CP348631	CON177	6	220131	0.0000
CPCON177	CON176	6	NONE	0.0000
CP52741	5274P1	6	NONE	0.0000
CP5274P1	CON176	6	220131	0.0000
CPCON176	CON175	6	NONE	0.0000
CP348701	348731	6	NONE	0.0000
CP348731	348801	6	220131	0.0000
CP348801	348831	6	NONE	0.0000
CP348831	CON175	6	220131	0.0000
CP348901	348931	6	NONE	0.0000
CP348931	CON175	6	220131	0.0000
CPCON175	CON174	6	NONE	0.0000
CP349001	349031	6	NONE	0.0000
CP349031	CON174	6	220131	0.0000
CPCON174	CON173	6	NONE	0.0000
CP349201	349231	6	NONE	0.0000
CP349231	CON173	6	220131	0.0000
CPCON173	CON172	6	NONE	0.0000
CP349301	349331	6	NONE	0.0000
CP349331	349401	6	220131	0.0000
CP349401	349431	6	NONE	0.0000
CP349431	CON172	6	220131	0.0000
CP349501	349531	6	NONE	0.0000
CP349531	CON172	6	220131	0.0000
CPCON172	CON171	6	NONE	0.0000
CP349601	349631	6	NONE	0.0000
CP349631	CON171	6	220131	0.0000
CPCON171	CON170	6	NONE	0.0000
CP349701	349801	6	NONE	0.0000
CP349801	349831	6	NONE	0.0000
CP349831	CON170	6	220131	0.0000
CPCON170	CON169	6	NONE	0.0000
CP349901	349931	6	NONE	0.0000
CP349931	CON169	6	220131	0.0000
CPCON169	350001	6	NONE	0.0000
CP350001	CON168	6	NONE	0.0000
CP350101	350131	6	NONE	0.0000
CP350131	CON168	6	220131	0.0000
CPCON168	LEDL43	6	NONE	0.0000
CPLEDL43	CON051	1	NONE	-3.0000
CP393401	393431	6	NONE	0.0000
CP393431	350301	6	220131	0.0000
CP350201	350231	6	NONE	0.0000
CP350231	350302	6	220131	0.0000
CP350302	350332	6	NONE	0.0000
CP350332	350301	6	NONE	0.0000
CP350301	350331	6	NONE	0.0000
CP350331	CON051	6	220131	0.0000
CPCON051	CON052	6	NONE	0.0090
CP350601	350631	6	NONE	0.0000
CP350631	350801	6	220131	0.0000
CP350801	350831	6	NONE	0.0000
CP350831	CON052	6	220131	0.0000
CPCON052	CON053	6	NONE	0.0000
CP350401	350431	6	NONE	0.0000
CP350431	350501	6	220131	0.0000
CP350501	350531	6	NONE	0.0000
CP350531	CON053	6	220131	0.0000
CPCON053	351101	6	NONE	0.0180
CP351101	351201	6	NONE	0.0000
CP351201	CON054	6	NONE	0.0450
CP351501	351531	6	NONE	0.0000
CP351531	351631	6	220131	0.0000
CP351631	CON054	6	220131	0.0000
CP351401	351431	6	NONE	0.0000
CP351431	CON054	6	220131	0.0000
CP351701	351731	6	NONE	0.0000
CP351731	CON054	6	220131	0.0000
CP351801	351831	6	NONE	0.0000
CP351831	CON054	6	220131	0.0000
CP351901	351931	6	NONE	0.0000
CP351931	CON054	6	220131	0.0000

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CPCON054	CON060	6	NONE		0.0630
CPW12231	CON060	6	NONE		0.0000
CP352001	352031	6	NONE		0.0000
CP352031	352802	6	220131		0.0000
CP352101	352131	6	NONE		0.0000
CP352131	352802	6	220131		0.0000
CP352202	352232	6	NONE		0.0000
CP352232	352201	6	NONE		0.0000
CP352201	352231	6	NONE		0.0000
CP352231	352802	6	220131		0.0000
CP352301	352331	6	NONE		0.0000
CP352331	352402	6	220131		0.0000
CP352402	352432	6	NONE		0.0000
CP352432	352401	6	NONE		0.0000
CP352401	352431	6	NONE		0.0000
CP352431	352802	6	220131		0.0000
CP352501	352531	6	NONE		0.0000
CP352531	352802	6	220131		0.0000
CP426301	426331	6	NONE		0.0000
CP426331	352802	6	NONE		0.0000
CP352601	352631	6	NONE		0.0000
CP352631	352802	6	220131		0.0000
CP352801	352831	6	NONE		0.0000
CP352831	352802	6	220131		0.0000
CP353001	353031	6	NONE		0.0000
CP353031	352802	6	220131		0.0000
CP353002	353032	6	NONE		0.0000
CP353032	352802	6	220131		0.0000
CP352802	353201	6	NONE		0.0000
CP353101	353131	6	NONE		0.0000
CP353131	353102	6	220131		0.0000
CP353102	353132	6	NONE		0.0000
CP353132	353201	6	220131		0.0000
CP526001	526031	6	NONE		0.0000
CP526031	353201	6	220131		0.0000
CP526002	526032	6	NONE		0.0000
CP526032	353201	6	220131		0.0000
CP353241	OUT	2	NONE	220131	-3. 0.0000
CP353201	353401	6	NONE		0.0000
CP353301	353331	6	NONE		0.0000
CP353331	353104	6	220131		0.0000
CP353104	353134	6	NONE		0.0000
CP353134	353401	6	220131		0.0000
CP353103	353133	6	NONE		0.0000
CP353133	353401	6	220131		0.0000
CP353442	OUT	2	NONE	NONE	-3. 0.0000
CP353441	OUT	2	NONE	220131	-3. 0.0000
CP353401	354301	6	NONE		0.0000
CP353501	353531	6	NONE		0.0000
CP353531	353602	6	220131		0.0000
CP353602	353632	6	NONE		0.0000
CP353632	353601	6	NONE		0.0000
CP353601	353631	6	NONE		0.0000
CP353631	354301	6	220131		0.0000
CP353701	353731	6	NONE		0.0000
CP353731	353801	6	220131		0.0000
CP353751	353801	2	NONE	NONE	-3. 0.0000
CP353801	353831	6	NONE		0.0000
CP353831	354301	6	220131		0.0000
CP353901	353931	6	NONE		0.0000
CP353931	354301	6	220131		0.0000
CP354003	354032	6	NONE		0.0000
CP354032	354301	6	220131		0.0000
CP354101	354131	6	NONE		0.0000
CP354131	354231	6	220131		0.0000
CP354231	354301	6	220131		0.0000
CP354301	SADL44	6	NONE		0.0000
CPSADL44	354401	1	NONE		-3. 0.0000
CP354401	354001	6	NONE		0.0080
CP354001	CON055	6	NONE		0.0080
CP354002	354031	6	NONE		0.0000
CP354031	CON055	6	220131		0.0000
CP354501	354531	6	NONE		0.0000
CP354531	CON055	6	220131		0.0000
CP354602	354631	6	NONE		0.0000
CP354631	354601	6	220131		0.0000
CP354601	CON055	6	NONE		0.0000
CP354341	OUT	2	NONE	220131	-3. 0.0000
CP354641	OUT	2	NONE	NONE	-3. 0.0000
CPCON055	CON056	6	NONE		0.0080
CP354701	354731	6	NONE		0.0000
CP354731	CON056	6	220131		0.0000
CP354801	354831	6	NONE		0.0000
CP354831	CON056	6	220131		0.0000

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CPCON056	CON057	6	NONE	0.0080
CP354901	354931	6	NONE	0.0000
CP354931	CON057	6	220131	0.0000
CP355001	355031	6	NONE	0.0000
CP355031	CON057	6	220131	0.0000
CP355101	355131	6	NONE	0.0000
CP355131	CON057	6	220131	0.0000
CPCON057	CON058	6	NONE	0.0230
CP507301	507331	6	NONE	0.0000
CP507331	CON058	6	220131	0.0000
CPCON058	CON060	6	NONE	0.0520
CP355201	355231	6	NONE	0.0000
CP355231	CON060	6	220131	0.0000
CP355301	355331	6	NONE	0.0000
CP355331	CON060	6	220131	0.0000
CP355401	355431	6	NONE	0.0000
CP355431	CON060	6	220131	0.0000
CP355501	355531	6	NONE	0.0000
CP355531	CON060	6	220131	0.0000
CP355601	355701	6	220131	0.0000
CP355701	355731	6	NONE	0.0000
CP355731	CON060	6	220131	0.0000
CPCON060	CON246	6	NONE	0.0440
CP355801	WL2222	6	NONE	0.0000
CPW12222	CON246	6	NONE	0.0000
CPCON246	CON059	6	NONE	0.0110
CP380801	380802	6	NONE	0.0000
CP380802	380831	6	NONE	0.0000
CP380831	380803	6	220131	0.0000
CP380851	380803	2	NONE	-3. 0.0000
CP380803	384402	6	NONE	0.0000
CP384402	384403	6	NONE	0.0000
CP384403	384404	6	NONE	0.0000
CP384404	384431	6	NONE	0.0000
CP384431	384401	6	220131	0.0000
CP356031	384401	6	220131	0.0000
CP384401	357501	6	NONE	0.0000
CP356101	356131	6	NONE	0.0000
CP356131	357501	6	220131	0.0000
CP356201	356231	6	NONE	0.0000
CP356231	357501	6	220131	0.0000
CP356301	356331	6	NONE	0.0000
CP356331	357501	6	220131	0.0000
CP356501	356531	6	NONE	0.0000
CP356531	357501	6	220131	0.0000
CP356731	357501	6	220131	0.0000
CP518701	518731	6	NONE	0.0000
CP518731	357501	6	225331	0.0000
CP356802	356832	6	NONE	0.0000
CP356832	356801	6	NONE	0.0000
CP356801	356831	6	NONE	0.0000
CP356831	356901	6	225331	0.0000
CP356861	356841	2	NONE	-3. 0.0000
CP356841	OUT	2	NONE	-3. 0.0000
CP356901	356931	6	NONE	0.0000
CP356931	357501	6	220131	0.0000
CP357201	357501	6	NONE	0.0000
CP357231	357501	6	220131	0.0000
CP357301	357331	6	NONE	0.0000
CP357331	357501	6	220131	0.0000
CP525501	525531	6	NONE	0.0000
CP525531	357501	6	220131	0.0000
CP357501	357801	6	NONE	0.0000
CP388031	357401	6	NONE	0.0000
CP357401	357431	6	NONE	0.0000
CP357431	357503	6	220131	0.0000
CP357502	357531	6	NONE	0.0000
CP357531	357503	6	NONE	0.0000
CP357503	357532	6	NONE	0.0000
CP357532	357504	6	220131	0.0000
CP357504	357533	6	NONE	0.0000
CP357533	357801	6	NONE	0.0000
CP357801	357901	6	NONE	0.0000
CP357803	357831	6	NONE	0.0000
CP357831	357901	6	220131	0.0000
CP357851	357901	2	NONE	-3. 0.0000
CP357852	357901	2	NONE	-3. 0.0000
CP357961	357941	2	NONE	-3. 0.0000
CP357941	OUT	2	NONE	-3. 0.0000
CP357901	357802	6	NONE	0.0000
CP357802	359501	6	NONE	0.0000
CP357841	OUT	2	NONE	-3. 0.0000
CP357832	OUT	2	NONE	-3. 0.0000
CP358001	358031	6	NONE	0.0000

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CP358031	359501	6		220131	0.0000
CP358002	358032	6		NONE	0.0000
CP358032	359501	6		NONE	0.0000
CP358101	358131	6		NONE	0.0000
CP358131	359501	6		220131	0.0000
CPP51611	5161P1	6		NONE	0.0000
CP5161P1	359501	6		NONE	0.0000
CP516161	516141	2	NONE	NONE	-3. 0.0000
CP516141	OUT	2	NONE	NONE	-3. 0.0000
CP358401	358501	6		NONE	0.0000
CP426401	426431	6		NONE	0.0000
CP426431	541601	6		NONE	0.0000
CP541601	541631	6		NONE	0.0000
CP541631	358502	6		220131	0.0000
CP358502	358532	6		NONE	0.0000
CP358532	358501	6		220131	0.0000
CP358501	358531	6		NONE	0.0000
CP358441	OUT	2	NONE	220131	-3. 0.0000
CP358442	OUT	2	NONE	NONE	-3. 0.0000
CP358531	358503	6		220131	0.0000
CP358503	358601	6		220131	0.0000
CP358601	358631	6		NONE	0.0000
CP358631	358701	6		220131	0.0000
CP358701	358731	6		NONE	0.0000
CP358731	358801	6		220131	0.0000
CP358801	358831	6		NONE	0.0000
CP358831	358901	6		220131	0.0000
CP358901	358931	6		NONE	0.0000
CP358931	359001	6		220131	0.0000
CP359001	359031	6		NONE	0.0000
CP359031	359501	6		220131	0.0000
CP359201	359231	6		NONE	0.0000
CP359231	359501	6		220131	0.0000
CP359301	359331	6		NONE	0.0000
CP359331	359501	6		220131	0.0000
CP359401	359501	6		220131	0.0000
CP359501	361901	6		NONE	0.0000
CP359541	OUT	2	NONE	220131	-3. 0.0000
CP359701	359801	6		NONE	0.0000
CP359801	359831	6		NONE	0.0000
CP359831	359901	6		225331	0.0000
CP359901	359931	6		NONE	0.0000
CP359931	360031	6		225331	0.0000
CP360031	360131	6		225331	0.0000
CP360131	360231	6		225331	0.0000
CP360231	390201	6		225331	0.0000
CP390201	390231	6		NONE	0.0000
CP390231	360331	6		225331	0.0000
CP360331	360431	6		225331	0.0000
CP360431	360531	6		225331	0.0000
CP360531	360601	6		225331	0.0000
CP360541	OUT	2	NONE	NONE	-3. 0.0000
CP360601	360701	6		NONE	0.0000
CP360701	360731	6		NONE	0.0000
CP360731	360801	6		225331	0.0000
CP359601	359631	6		NONE	0.0000
CP359631	360801	6		225331	0.0000
CP360801	360831	6		NONE	0.0000
CP360831	361101	6		225331	0.0000
CP360901	360931	6		NONE	0.0000
CP360931	361101	6		225331	0.0000
CP361001	361031	6		NONE	0.0000
CP361031	361101	6		225331	0.0000
CP361101	361102	6		NONE	0.0000
CP361102	361201	6		NONE	0.0000
CP361201	361801	6		NONE	0.0000
CP361202	361231	6		NONE	0.0000
CP361231	361801	6		225331	0.0000
CP361301	361331	6		NONE	0.0000
CP361331	361401	6		225331	0.0000
CP361401	361431	6		NONE	0.0000
CP361431	361501	6		225331	0.0000
CP361501	361531	6		NONE	0.0000
CP361531	361601	6		225331	0.0000
CP361601	361631	6		NONE	0.0000
CP361631	361801	6		225331	0.0000
CP361701	361731	6		NONE	0.0000
CP361731	361801	6		225331	0.0000
CP361802	361831	6		NONE	0.0000
CP361831	361801	6		220131	0.0000
CP361851	361801	2	NONE	NONE	-3. 0.0000
CP361801	361901	6		NONE	0.0000
CP361902	361931	6		NONE	0.0000
CP361931	361901	6		220131	0.0000

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CP361951	361901	2	NONE	NONE	-3.	0.0000	
CP361941	OUT	2	NONE	220131	-3.	0.0000	
CP361901	362021	6		NONE		0.0000	
CP362021	362011	6		NONE		0.0000	
CP362011	WL2221	6		NONE		0.0000	
CPW12221	CON061	6		NONE		0.0000	
CP362001	362031	6		NONE		0.0000	
CP362031	CON061	6		225331		0.0000	
CP362202	362232	6		NONE		0.0000	
CP362232	362201	6		NONE		0.0000	
CP362201	362231	6		NONE		0.0000	
CP362231	CON061	6		225331		0.0000	
CP362302	362331	6		NONE		0.0000	
CP362301	362401	6		NONE		0.0000	
CP362331	362301	6		225331		0.0000	
CP362401	CON061	6		NONE		0.0000	
CP362402	362302	6		225331		0.0000	
CPCON061	CON059	6		NONE		0.0000	
CPCON059	WL2211	6		NONE		0.0000	
CPW12211	515901	6		NONE		0.0000	
CP284101	284131	6		NONE		0.0000	
CP284131	284201	6		220131		0.0000	
CP284201	284231	6		NONE		0.0000	
CP284231	284602	6		NONE		0.0000	
CP284602	284632	6		NONE		0.0000	
CP284632	284701	6		220131		0.0000	
CP284701	284731	6		NONE		0.0000	
CP284301	284331	6		NONE		0.0000	
CP284331	284401	6		220131		0.0000	
CP284401	284431	6		NONE		0.0000	
CP284431	284602	6		NONE		0.0000	
CP539001	539031	6		NONE		0.0000	
CP539031	284602	6		220131		0.0000	
CP284501	284531	6		NONE		0.0000	
CP284531	284601	6		220131		0.0000	
CP284601	284631	6		NONE		0.0000	
CP284631	284602	6		NONE		0.0000	
CP284731	285004	6		220131		0.0000	
CP285004	285003	6		NONE		0.0000	
CP285003	285002	6		NONE		0.0000	
CP285005	285031	6		NONE		0.0000	
CP285031	285002	6		225331		0.0000	
CP285002	285001	6		NONE		0.0000	
CP284801	284831	6		NONE		0.0000	
CP284831	284901	6		225331		0.0000	
CP284901	284931	6		NONE		0.0000	
CP284931	285004	6		NONE		0.0000	
CP285001	285201	6		NONE		0.0000	
CP285201	285202	6		NONE		0.0000	
CP285202	285203	6		NONE		0.0000	
CP285203	285301	6		NONE		0.0000	
CP285301	285302	6		NONE		0.0000	
CP285101	285131	6		NONE		0.0000	
CP285131	285102	6		NONE		0.0000	
CP285102	285132	6		NONE		0.0000	
CP285132	285201	6		225331		0.0000	
CP285302	CON084	6		NONE		0.0000	
CP515901	515931	6		NONE		0.0000	
CP515931	362603	6				0.0090	
CP362603	362602	6		NONE		0.0000	
CP362602	362701	6		NONE		0.0090	
CP362701	362601	6		NONE		0.0000	
CP362601	LEHS45	6		NONE		0.0090	
CPLEHS45	CON080	1		NONE		-3.	0.0000
CP515951	362603	2	NONE	NONE	-3.	0.0000	
CP362901	362931	6		NONE		0.0000	
CP362931	CON080	6		220131		0.0000	
CPCON080	363001	6		NONE		0.0000	
CP363001	363101	6		NONE		0.0210	
CP363101	363201	6		NONE		0.0100	
CP363201	363301	6		NONE		0.0100	
CP363301	363401	6		NONE		0.0410	
CP363401	363501	6		NONE		0.0000	
CP363501	CON081	6		NONE		0.0100	
CP364201	CON081	6		NONE		0.0000	
CPCON081	364601	6		NONE		0.0000	
CP364601	363601	6		NONE		0.0000	
CP363601	CON082	6		NONE		0.0000	
CP363747	OUT	2	NONE	NONE	-3.	0.0000	
CP363746	OUT	2	NONE	NONE	-3.	0.0000	
CP363742	OUT	2	NONE	NONE	-3.	0.0000	
CP363741	OUT	2	NONE	225331	-3.	0.0000	
CP363740	OUT	2	NONE	NONE	-3.	0.0000	
CP363749	OUT	2	NONE	NONE	-3.	0.0000	

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CP363748	OUT	2	NONE	NONE	-3.	0.0000
CP363745	OUT	2	NONE	NONE	-3.	0.0000
CP363744	OUT	2	NONE	NONE	-3.	0.0000
CP363743	OUT	2	NONE	NONE	-3.	0.0000
CP363701	363731	6		NONE		0.0000
CP363731	363702	6		NONE		0.0000
CP363702	363732	6		NONE		0.0000
CP363732	363703	6		NONE		0.0000
CP363703	363733	6		NONE		0.0000
CP363733	363801	6		225331		0.0000
CP363801	363831	6		NONE		0.0000
CP363831	363901	6		225331		0.0000
CP363901	364003	6		NONE		0.0000
CP364003	364033	6		NONE		0.0000
CP364033	364002	6		NONE		0.0000
CP364002	364032	6		NONE		0.0000
CP364032	364001	6		NONE		0.0000
CP364001	364031	6		NONE		0.0000
CP363941	OUT	2	NONE	225331	-3.	0.0000
CP364031	364201	6		225331		0.0000
CP364131	364201	6		225331		0.0000
CP364301	364331	6		NONE		0.0000
CP364331	364302	6		NONE		0.0000
CP364302	364332	6		NONE		0.0000
CP364332	364303	6		NONE		0.0000
CP364303	364333	6		NONE		0.0000
CP364333	364304	6		NONE		0.0000
CP364304	364334	6		NONE		0.0000
CP364334	364401	6		225331		0.0000
CP364401	364431	6		NONE		0.0000
CP364431	CON081	6		225331		0.0000
CP364532	364501	6		225331		0.0000
CP364501	364531	6		NONE		0.0000
CP364531	CON081	6		225331		0.0000
CP364702	364732	6		NONE		0.0000
CP364732	364801	6		225331		0.0000
CP364701	364731	6		NONE		0.0000
CP364731	364801	6		225331		0.0000
CP364801	CON082	6		NONE		0.0000
CP364841	OUT	2	NONE	225331	-3.	0.0000
CP364842	OUT	2	NONE	NONE	-3.	0.0000
CP365041	OUT	2	NONE	225331	-3.	0.0000
CPCON082	364802	6		NONE		0.0100
CP364802	364901	6		NONE		0.0000
CP364901	365001	6		NONE		0.0000
CP365001	365102	6		NONE		0.0100
CP365102	365201	6		NONE		0.0100
CP365201	365101	6		NONE		0.0000
CP365101	365301	6		NONE		0.0000
CP365301	365401	6		NONE		0.0100
CP365401	365402	6		NONE		0.0000
CP365402	365502	6		NONE		0.0100
CP365502	365501	6		NONE		0.0000
CP365501	365601	6		NONE		0.0210
CP365601	365701	6		NONE		0.0100
CP365701	365801	6		NONE		0.0000
CP365801	CON083	6		NONE		0.0100
CP347601	CON083	6		NONE		0.0000
CP365901	365931	6		NONE		0.0000
CP365931	366201	6		225331		0.0000
CP366201	366231	6		NONE		0.0000
CP366231	347601	6		225331		0.0000
CP366001	366002	6		NONE		0.0000
CP366002	366003	6		NONE		0.0000
CP366003	366031	6		NONE		0.0000
CP366031	366101	6		225331		0.0000
CP366101	366201	6		NONE		0.0000
CP366301	366331	6		NONE		0.0000
CP366331	347601	6		225331		0.0000
CPCON083	281421	6		NONE		0.0000
CP281421	281501	6		NONE		0.0100
CP365302	281501	6		NONE		0.0100
CP281501	281601	6		NONE		0.0000
CP281601	281502	6		NONE		0.0000
CP281502	281602	6		NONE		0.0000
CP281602	281503	6		NONE		0.0000
CP281503	281603	6		NONE		0.0000
CP281603	281701	6		NONE		0.0210
CP281701	281411	6		NONE		0.0100
CP281401	281701	6		NONE		0.0000
CP281441	OUT	2	NONE	225331	-3.	0.0000
CP281411	281801	6		NONE		0.0000
CP365303	281801	6		NONE		0.0000
CP281801	281901	6		NONE		0.0000

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CP281901	282002	6	NONE	0.0100
CP282002	282001	6	NONE	0.0000
CP282001	282101	6	NONE	0.0100
CP282101	282201	6	NONE	0.0000
CP282201	282102	6	NONE	0.0000
CP282102	282202	6	NONE	0.0000
CP282202	282103	6	NONE	0.0000
CP282103	282203	6	NONE	0.0000
CP282203	282104	6	NONE	0.0000
CP282104	282204	6	NONE	0.0000
CP282204	282105	6	NONE	0.0000
CP282105	282205	6	NONE	0.0000
CP282205	282301	6	NONE	0.0100
CP282301	282401	6	NONE	0.0000
CP282401	282501	6	NONE	0.0100
CP282501	282502	6	NONE	0.0000
CP282502	282503	6	NONE	0.0100
CP282503	282504	6	NONE	0.0000
CP282504	282601	6	NONE	0.0100
CP282601	282701	6	NONE	0.0000
CP282701	282801	6	NONE	0.0000
CP282801	282901	6	NONE	0.0100
CP282901	283001	6	NONE	0.0000
CP283001	282902	6	NONE	0.0000
CP282902	283101	6	NONE	0.0000
CP283101	283201	6	NONE	0.0100
CP283201	283102	6	NONE	0.0000
CP283102	283301	6	NONE	0.0000
CP283301	283202	6	NONE	0.0000
CP283202	283203	6	NONE	0.0000
CP283203	283401	6	NONE	0.0100
CP283401	283504	6	NONE	0.0000
CP283504	283601	6	NONE	0.0000
CP283601	283602	6	NONE	0.0000
CP283602	283503	6	NONE	0.0000
CP283503	283701	6	NONE	0.0100
CP283701	283801	6	NONE	0.0000
CP283801	283502	6	NONE	0.0000
CP283502	283702	6	NONE	0.0000
CP283702	284001	6	NONE	0.0000
CP284001	284031	6	NONE	0.0000
CP284031	283002	6	225331	0.0000
CP283002	283901	6	NONE	0.0000
CP283901	283501	6	NONE	0.0000
CP283501	283703	6	NONE	0.0000
CP283703	CON084	6	NONE	0.0100
CPCON084	285401	6	NONE	0.0000
CP285401	285501	6	NONE	0.0000
CP285501	285502	6	NONE	0.0100
CP285502	285601	6	NONE	0.0000
CP285601	285602	6	NONE	0.0100
CP285602	285701	6	NONE	0.0000
CP285701	285702	6	NONE	0.0000
CP285702	285703	6	NONE	0.0000
CP285703	285801	6	NONE	0.0100
CP285801	285802	6	NONE	0.0000
CP285802	285901	6	NONE	0.0000
CP285901	285902	6	NONE	0.0100
CP285902	285903	6	NONE	0.0000
CP285903	286001	6	NONE	0.0100
CP286001	CON085	6	NONE	0.0000
CPCON085	286002	6	NONE	0.0210
CP286101	286131	6	NONE	0.0000
CP286131	CON085	6	225331	0.0000
CP286002	286003	6	NONE	0.0000
CP286003	286201	6	NONE	0.0410
CP286201	LEHM46	6	NONE	0.0000
CPLEHM46	286202	1	NONE	-3. 0.0000
CP286202	286203	6	NONE	0.0000
CP286251	286203	2	NONE	-3. 0.0000
CP286203	286321	6	NONE	0.0000
CP286321	286311	6	NONE	0.0000
CP286311	286401	6	NONE	0.0000
CP286401	286501	6	NONE	0.0000
CP286501	286502	6	NONE	0.0000
CP286502	286503	6	NONE	0.0000
CP286503	286504	6	NONE	0.0000
CP286504	286402	6	NONE	0.0000
CP286402	286505	6	NONE	0.0000
CP286505	286601	6	NONE	0.0000
CP286601	286701	6	NONE	0.0010
CP286701	286801	6	NONE	0.0000
CP286801	286802	6	NONE	0.0000
CP286802	286803	6	NONE	0.0000

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CP286803	382631	6	NONE	0.0010
CP382631	286901	6	NONE	0.0000
CP286901	CON086	6	NONE	0.0000
CPCON086	287321	6	NONE	0.0000
CP287321	287311	6	NONE	0.0000
CP287311	287402	6	NONE	0.0000
CP287001	287031	6	NONE	0.0000
CP287031	287101	6	225331	0.0000
CP287101	287131	6	NONE	0.0000
CP287131	287201	6	NONE	0.0000
CP287201	287231	6	NONE	0.0000
CP287231	287102	6	NONE	0.0000
CP287102	287132	6	NONE	0.0000
CP287132	287202	6	NONE	0.0000
CP287202	287232	6	NONE	0.0000
CP287232	287103	6	NONE	0.0000
CP287103	287133	6	NONE	0.0000
CP287133	287203	6	225331	0.0000
CP287203	287233	6	NONE	0.0000
CP287233	CON086	6	NONE	0.0000
CP287402	287421	6	NONE	0.0000
CP287421	287401	6	NONE	0.0000
CP287401	287411	6	NONE	0.0000
CP287411	287431	6	NONE	0.0000
CP287431	287502	6	NONE	0.0000
CP287502	287531	6	NONE	0.0000
CP287531	287601	6	228731	0.0000
CP287601	287602	6	NONE	0.0000
CP287602	287603	6	NONE	0.0000
CP287603	287604	6	NONE	0.0000
CP287604	287702	6	NONE	0.0000
CP287702	287721	6	NONE	0.0000
CP287721	287803	6	NONE	0.0000
CP287803	287802	6	NONE	0.0000
CP287802	287901	6	NONE	0.0000
CP287901	287902	6	NONE	0.0000
CP287902	287903	6	NONE	0.0000
CP287903	CON087	6	NONE	0.0000
CP287501	287401	6	NONE	0.0000
CP287801	287904	6	NONE	0.0000
CP287904	287931	6	NONE	0.0000
CP287931	CON087	6	228731	0.0000
CPCON087	287701	6	NONE	0.0000
CP287701	287711	6	NONE	0.0000
CP287711	288002	6	NONE	0.0010
CP288002	288102	6	NONE	0.0000
CP288102	288001	6	NONE	0.0000
CP288001	288101	6	NONE	0.0000
CP288101	288206	6	NONE	0.0000
CP288206	288301	6	NONE	0.0000
CP288301	288205	6	NONE	0.0000
CP288205	288204	6	NONE	0.0000
CP288204	288203	6	NONE	0.0000
CP288203	288202	6	NONE	0.0000
CP288202	288201	6	NONE	0.0000
CP288201	288421	6	NONE	0.0000
CP288421	288411	6	NONE	0.0000
CP288411	288501	6	NONE	0.0000
CP288501	288502	6	NONE	0.0000
CP288502	288705	6	NONE	0.0020
CP288705	288704	6	NONE	0.0000
CP288704	288703	6	NONE	0.0000
CP288703	288702	6	NONE	0.0000
CP288702	288601	6	NONE	0.0000
CP288601	288701	6	NONE	0.0000
CP288701	288801	6	NONE	0.0000
CP288801	289003	6	NONE	0.0010
CP289003	289002	6	NONE	0.0000
CP289002	289001	6	NONE	0.0000
CP289001	289103	6	NONE	0.0010
CP289103	289102	6	NONE	0.0000
CP289102	289101	6	NONE	0.0000
CP289101	289202	6	NONE	0.0000
CP289202	289201	6	NONE	0.0000
CP289201	289301	6	NONE	0.0000
CP289301	289402	6	NONE	0.0000
CP289402	289401	6	NONE	0.0000
CP289401	CON088	6	NONE	0.0010
CP289503	289608	6	NONE	0.0000
CP289608	289607	6	NONE	0.0000
CP289607	289606	6	NONE	0.0000
CP289606	289605	6	NONE	0.0000
CP289605	289604	6	NONE	0.0000
CP289604	289603	6	NONE	0.0000

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CP289603	289602	6		NONE	0.0000
CP289602	289601	6		NONE	0.0000
CP289502	289501	6		NONE	0.0000
CP289501	289609	6		NONE	0.0000
CP289609	289607	6		NONE	0.0000
CP289601	289701	6		NONE	0.0000
CP289701	CON088	6		NONE	0.0000
CPCON088	289802	6		NONE	0.0020
CP289802	289801	6		NONE	0.0000
CP289801	289906	6		NONE	0.0020
CP289906	289905	6		NONE	0.0000
CP289905	289904	6		NONE	0.0000
CP289904	289903	6		NONE	0.0000
CP289903	289902	6		NONE	0.0000
CP289902	289901	6		NONE	0.0000
CP289901	290002	6		NONE	0.0000
CP290002	290001	6		NONE	0.0000
CP290001	290102	6		NONE	0.0000
CP290102	290101	6		NONE	0.0000
CP290101	LEGT47	6		NONE	0.0000
CP101762	LEGT47	2	NONE	NONE	-3. 0.0000
** Leon River at Gatesville					
**CPLEGT47	290201	1		NONE	-3. 0.0060
CPLEGT47	GTSUBS	1		NONE	-3.
CPGTSUBS	GT-DRY	2	LEGT47	NONE	-3.
CPGT-DRY	GT-AVG	2	LEGT47	NONE	-3.
CPGT-AVG	GT-WET	2	LEGT47	NONE	-3.
CPGT-WET	GTDPU	2	LEGT47	NONE	-3.
CPGTDPU	GTASPL	2	LEGT47	NONE	-3.
CPGTASPL	GTWSPL	2	LEGT47	NONE	-3.
CPGTWSPL	290201	2	LEGT47	NONE	-3. 0.0060
**					
CP101761	290201	2	NONE	NONE	-3. 0.0000
CP290201	290302	6		NONE	0.0010
CP290302	290321	6		NONE	0.0000
CP290321	290301	6		NONE	0.0010
CP290301	290311	6		NONE	0.0000
CP290311	290402	6		NONE	0.0000
CP290402	290401	6		NONE	0.0000
CPCON089	290601	6		NONE	0.0010
CP290601	290801	6		NONE	0.0010
CP290801	281302	6		NONE	0.0000
CP281302	281301	6		NONE	0.0000
CP281301	290901	6		NONE	0.0010
CP290901	290902	6		NONE	0.0000
CP290902	291001	6		NONE	0.0000
CP291001	291101	6		NONE	0.0000
CP291101	W12212	6		NONE	0.0020
CP290501	CON089	6		NONE	0.0000
CP290701	290901	6		NONE	0.0000
CPW12202	CON090	6		NONE	0.0000
CPW12212	291401	6		NONE	0.0000
CP291401	CON090	6		NONE	0.0050
CP291521	291511	6		NONE	0.0000
CP291511	CON090	6		NONE	0.0000
CPCON090	W12201	6		NONE	0.0050
CP103511	W12201	2	NONE	NONE	-3. 0.0000
CPW12201	W12192	6		NONE	0.0000
CP291621	291611	6		NONE	0.0000
CP291611	291821	6		NONE	0.0000
CP291821	291832	6		NONE	0.0000
CP291832	291811	6		NONE	0.0000
CP291811	291831	6		NONE	0.0000
CP291831	292101	6		225331	0.0000
CP291701	291731	6		NONE	0.0000
CP291731	291821	6		225331	0.0000
CP291903	291932	6		NONE	0.0000
CP291932	291902	6		NONE	0.0000
CP291902	291931	6		NONE	0.0000
CP291931	291901	6		225331	0.0000
CP291901	292002	6		NONE	0.0000
CP292002	292031	6		NONE	0.0000
CP292031	292001	6		225331	0.0000
CP292001	292101	6		NONE	0.0000
CP292101	292102	6		NONE	0.0000
CP292102	292103	6		NONE	0.0000
CP292103	292201	6		NONE	0.0000
CP292201	292202	6		NONE	0.0000
CP292202	292301	6		NONE	0.0000
CP292301	292401	6		NONE	0.0000
CP292402	292431	6		NONE	0.0000
CP292431	292401	6		225331	0.0000
CP292401	292621	6		NONE	0.0000
CP292621	292611	6		NONE	0.0000

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CP292611	292721	6	NONE		0.0000
CP292721	292711	6	NONE		0.0000
CP292711	292801	6	NONE		0.0000
CP292801	292901	6	NONE		0.0000
CP292901	292902	6	NONE		0.0000
CP292902	292903	6	NONE		0.0000
CP292903	293001	6	NONE		0.0000
CP293001	293002	6	NONE		0.0000
CP293002	293101	6	NONE		0.0000
CP293101	293102	6	NONE		0.0000
CP293102	293103	6	NONE		0.0000
CP293103	293201	6	NONE		0.0000
CP293201	293321	6	NONE		0.0000
CP293321	293311	6	NONE		0.0000
CP293301	293311	6	NONE		0.0000
CP293311	COPI48	6	NONE		0.0000
CP293402	293401	6	NONE		0.0000
CP293401	COPI48	6	NONE		0.0000
CPCOPI48	CON092	1	NONE	-3.	0.0010
CP293503	293531	6	NONE		0.0000
CP293531	293502	6	228731		0.0000
CP293502	293501	6	NONE		0.0000
CP293501	CON092	6	NONE		0.0000
CPCON092	WL2201	6	NONE		0.0050
CP100455	WL2192	2	NONE	NONE	-3. 0.0000
CP022336	WL2192	2	NONE	NONE	-3. 0.0000
CP022335	WL2192	2	NONE	NONE	-3. 0.0000
CP022334	WL2201	2	NONE	NONE	-3. 0.0000
CPW12192	293601	6	NONE		0.0000
CP293601	293602	6	NONE		0.0000
CP293602	293631	6	NONE		0.0000
CP293631	516001	6			0.0000
CP516001	516002	6	NONE		0.0000
CP516002	516031	6	NONE		0.0000
CP516031	293701	6	293631		0.0000
CP293701	P40241	6	NONE		0.0010
CPP40241	P40242	6	NONE		0.0000
CPP40242	402403	6	228731		0.0000
CP402403	LEBE49	6	NONE		0.0000
CPLLEBE49	293901	1	NONE	-3.	0.0000
CP293801	293831	6	NONE		0.0000
CP293901	293801	6	NONE		0.0000
CP293831	294001	6	228731		0.0010
CP294001	294101	6	NONE		0.0000
CP294101	CON091	6	NONE		0.0000
CP293951	293801	2	NONE	NONE	-3. 0.0000
CPP53301	533002	6	NONE		0.0000
CP533002	533031	6	NONE		0.0000
CP533031	533003	6	NONE		0.0000
CP533051	533003	2	NONE	NONE	-3. 0.0000
CP533003	533032	6	NONE		0.0000
CP533032	CON091	6	228731		0.0000
CPCON091	294205	6	NONE		0.0010
CP294205	CON098	6	NONE		0.0000
CPW12181	294302	6	NONE		0.0000
CP022331	294302	2	NONE	NONE	-3. 0.0000
CP103512	294302	2	NONE	NONE	-3. 0.0000
CP103513	294302	2	NONE	NONE	-3. 0.0000
CP294332	294301	6	228731		0.0000
CP294333	294301	6	228731		0.0000
CP294351	294301	2	NONE	NONE	-3. 0.0000
CP294301	294331	6	NONE		0.0000
CP294331	294302	6	228731		0.0000
CP294302	508801	6	NONE		0.0000
CP508801	508921	6	NONE		0.0000
CP508921	508911	6	NONE		0.0000
CP508911	421821	6	NONE		0.0000
CP421821	421811	6	NONE		0.0000
CP421811	421822	6	NONE		0.0000
CP421822	421812	6	NONE		0.0000
CP421812	294501	6	NONE		0.0000
CP101551	508801	2	NONE	NONE	-3. 0.0000
CP294401	294431	6	NONE		0.0000
CP294431	294501	6	228731		0.0000
CP294501	294621	6	NONE		0.0000
CP294621	294611	6	NONE		0.0000
CP294611	294721	6	NONE		0.0000
CP294721	294801	6	NONE		0.0000
CP294801	294901	6	NONE		0.0000
CP294901	294711	6	NONE		0.0000
CP294711	295002	6	NONE		0.0000
CP295002	295001	6	NONE		0.0000
CP295001	CON098	6	NONE		0.0000
CP113181	CON098	2	NONE	NONE	-3. 0.0000

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CPCON098	W12182	6	NONE	0.0000		
CPW12182	294204	6	NONE	0.0000		
CP294204	294203	6	NONE	0.0000		
CP294203	294202	6	NONE	0.0000		
CP294202	295101	6	NONE	0.0000		
CP295101	294201	6	NONE	0.0000		
CP294201	295221	6	NONE	0.0000		
CP295221	295211	6	NONE	0.0000		
CP295211	547221	6	NONE	0.0010		
CP547221	295302	6	NONE	0.0000		
CP295302	547211	6	NONE	0.0000		
CP547211	295301	6	NONE	0.0000		
CP295301	401203	6	NONE	0.0000		
CP401203	P40122	6	NONE	0.0000		
CPP40122	P40121	6	NONE	0.0000		
CPP40121	W12191	6	NONE	0.0010		
CP295261	295241	2	NONE	NONE	-3.	0.0000
CP295241	OUT	2	NONE	228731	-3.	0.0000
CP295431	295401	6		225331		0.0000
CP295451	295401	2	NONE	NONE	-3.	0.0000
CP295432	295401	6		NONE		0.0000
CP295452	295401	2	NONE	NONE	-3.	0.0000
CP295401	295433	6		NONE		0.0000
CP295433	CON187	6		NONE		0.0000
CPW12172	CON187	6		NONE		0.0000
CP295502	295531	6		NONE		0.0000
CP295531	295501	6		225331		0.0000
CP295501	295701	6		NONE		0.0000
CP295701	CON187	6		NONE		0.0000
CPCON187	295821	6		NONE		0.0000
CP295821	295811	6		NONE		0.0000
CP295811	CON186	6		NONE		0.0000
CP295902	295901	6		NONE		0.0000
CP295901	296001	6		NONE		0.0000
CP296001	CON186	6		NONE		0.0000
CP297152	296221	2	NONE	NONE	-3.	0.0000
CP297151	296221	2	NONE	NONE	-3.	0.0000
CP296221	296211	6		NONE		0.0000
CP296211	296103	6		NONE		0.0000
CPCON186	296105	6		NONE		0.0000
CP296105	296104	6		NONE		0.0000
CP296104	296103	6		NONE		0.0000
CP296103	CON185	6		NONE		0.0000
CPCON185	296102	6		NONE		0.0000
CP296102	296101	6		NONE		0.0000
CP296101	CON184	6		NONE		0.0000
CP296305	296333	6		NONE		0.0000
CP296333	296332	6		NONE		0.0000
CP296332	296304	6		NONE		0.0000
CP296304	296303	6		NONE		0.0000
CP296303	296331	6		NONE		0.0000
CP296331	CON184	6		225331		0.0000
CPCON184	296302	6		NONE		0.0000
CP296302	296301	6		NONE		0.0000
CP296301	296401	6		225331		0.0000
CP296401	296503	6		NONE		0.0000
CP296503	296502	6		NONE		0.0000
CP296502	296501	6		NONE		0.0000
CP296501	CON183	6		NONE		0.0000
CP296601	296631	6		NONE		0.0000
CP296631	CON183	6		225331		0.0000
CPCON183	296701	6		NONE		0.0000
CP296701	296703	6		NONE		0.0000
CP296703	296702	6		NONE		0.0000
CP296702	296731	6		NONE		0.0000
CP296731	CON188	6		225331		0.0000
CP296831	296901	6		225331		0.0000
CP296901	296902	6		NONE		0.0000
CP296902	297001	6		NONE		0.0000
CP297001	297002	6		NONE		0.0000
CP297002	297101	6		NONE		0.0000
CP297101	297102	6		NONE		0.0000
CP297102	297201	6		NONE		0.0000
CP297201	297231	6		NONE		0.0000
CP297231	297232	6		225331		0.0000
CP297232	297401	6		NONE		0.0000
CP297301	297331	6		NONE		0.0000
CP297331	297401	6		225331		0.0000
CP297401	297501	6		NONE		0.0000
CP102051	297501	2	NONE	NONE	-3.	0.0000
CP297501	297502	6		NONE		0.0000
CP297502	297601	6		NONE		0.0000
CP297601	297721	6		NONE		0.0000
CP297721	297711	6		NONE		0.0000

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CP297711	297802	6	NONE	0.0000
CP297802	297801	6	NONE	0.0000
CP297801	297831	6	NONE	0.0000
CP297831	297921	6	225331	0.0000
CP297921	297911	6	NONE	0.0000
CP297911	298001	6	NONE	0.0000
CP298001	298002	6	NONE	0.0000
CP297941	OUT	2	NONE 225331	-3. 0.0000
CP298002	298101	6	NONE	0.0000
CP298101	298102	6	NONE	0.0000
CP298102	298201	6	NONE	0.0000
CP298201	298301	6	NONE	0.0000
CP298301	298401	6	NONE	0.0000
CP298401	298501	6	NONE	0.0000
CP298501	298601	6	NONE	0.0000
CP298601	298602	6	NONE	0.0000
CP298602	298701	6	NONE	0.0000
CP298701	CON188	6	NONE	0.0000
CPCON188	298801	6	NONE	0.0000
CP298801	LAKE50	6	NONE	0.0000
** LAMPASAS RIVER NEAR KEMPNER				
**CPLAKE50	298802	1	NONE	-3. 0.0000
CPLAKE50	LASUBS	1	NONE	-3.
CPLASUBS	LA-DRY	2	LAKE50	-3.
CPLA-DRY	LA-AVG	2	LAKE50	-3.
CPLA-AVG	LA-WET	2	LAKE50	-3.
CPLA-WET	LADPUL	2	LAKE50	-3.
CPLADPUL	LAASPL	2	LAKE50	-3.
CPLAASPL	LAWSP	2	LAKE50	-3.
CPLAWSPL	298802	2	LAKE50	-3. 0.0000
**				
CP298802	559321	6	NONE	0.0010
CP559321	559311	6	NONE	0.0000
CP559311	299021	6	NONE	0.0010
CP299021	298901	6	NONE	0.0000
CP298901	299011	6	NONE	0.0000
**** John & Ida Taylor Amendment 12-2996a, 10/16/2003, jd				
** Additional diversion point for 2996 is between 299011 and CON094				
**CP299011	CON094	6	NONE	0.0010
CP299121	299111	6	299231	0.0000
CP299111	299201	6	NONE	0.0000
CP299201	299231	6	NONE	0.0000
CP299231	299421	6		0.0000
CP299421	299411	6	NONE	0.0000
CP299411	299321	6	NONE	0.0000
CP299321	299301	6	NONE	0.0000
CP299301	299331	6	NONE	0.0000
CP299331	299302	6	NONE	0.0000
CP299302	299311	6	NONE	0.0000
CP299311	299332	6	NONE	0.0000
CP299332	CON094	6	299231	0.0000
CPCON094	299503	6	NONE	0.0000
CP299503	299502	6	NONE	0.0000
CP299502	299501	6	NONE	0.0000
CP299501	299601	6	NONE	0.0010
CP299601	559421	6	NONE	0.0000
CP559421	559411	6	NONE	0.0000
CP559411	299721	6	NONE	0.0010
CP100451	299601	2	NONE	-3. 0.0000
CP299721	299711	6	NONE	0.0010
CP299711	299801	6	NONE	0.0000
CP299801	299901	6	NONE	0.0000
CP299901	299802	6	NONE	0.0000
CP299802	W12171	6	NONE	0.0010
CPW12171	300002	6	NONE	0.0000
CP300002	300001	6	NONE	0.0000
CP300001	300101	6	NONE	0.0000
CP300101	300201	6	NONE	0.0000
CP300201	LAYO51	6	NONE	0.0000
CPLAYO51	300301	1	NONE	-3. 0.0000
CP300301	W12161	6	NONE	0.0020
CPW12161	W12151	6	NONE	0.0050
CPW12162	W12151	6	NONE	0.0000
CP516101	516102	6	NONE	0.0000
CP516102	516131	6	NONE	0.0000
CP516131	300401	6		0.0010
CPW12151	516101	6	NONE	0.0000
CPP41301	4130P1	6	NONE	0.0000
CP4130P1	300401	6	NONE	0.0000
CP300401	300501	6	NONE	0.0000
CP300501	300621	6	NONE	0.0000
CP300621	300611	6	NONE	0.0000
CP300611	LABE52	6	NONE	0.0000
CPLABE52	300701	1	NONE	-3. 0.0000

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CP300701	300702	6	NONE	0.0000
CP300702	300703	6	NONE	0.0000
CP300703	300801	6	NONE	0.0000
CP300801	300704	6	NONE	0.0000
CP300704	300903	6	NONE	0.0000
CP300903	300705	6	NONE	0.0000
CP300705	300902	6	NONE	0.0000
CP300902	300901	6	NONE	0.0000
CP300901	507601	6	NONE	0.0000
CP507601	301001	6	NONE	0.0000
CP301001	P40001	6	NONE	0.0000
CPP40001	P40031	6	NONE	0.0000
CPP40031	P40021	6	NONE	0.0000
CPP40021	301101	6	NONE	0.0010
CP301101	CON095	6	NONE	0.0010
CPCON095	W12152	6	NONE	0.0000
CPW12432	CON095	6	NONE	0.0000
CPCON096	W12131	6	NONE	0.0000
CPW12431	301201	6	NONE	0.0000
CP301241	301261	2	NONE 299231	-3. 0.0000
CP301261	OUT	2	NONE	-3. 0.0000
CP301201	301231	6	NONE	0.0000
CP301231	301301	6	299231	0.0000
CP301301	301331	6	NONE	0.0000
CP301331	301431	6	299231	0.0000
CP301431	301401	6	299231	0.0000
CP301401	301502	6	NONE	0.0000
CP301502	301501	6	NONE	0.0000
CP301501	P37631	6	NONE	0.0000
CPP37631	376331	6	NONE	0.0000
CP376331	376302	6	299231	0.0000
CP376302	W12432	6	NONE	0.0000
CPW12131	LRLR53	6	NONE	0.0020
CPW12191	CON096	6	NONE	0.0000
CPW12152	CON096	6	NONE	0.0000
** Little River at Little River				
**CPLRRLR53	409521	1	NONE	-3. 0.0000
CPLRRLR53	LRSUBS	1	NONE	-3.
CPLRSUBS	LR-DRY	2	LRLR53	-3.
CPLR-DRY	LR-AVG	2	LRLR53	-3.
CPLR-AVG	LR-WET	2	LRLR53	-3.
CPLR-WET	LRDPUL	2	LRLR53	-3.
CPLRDPUL	LRASPL	2	LRLR53	-3.
CPLRASPL	LRWSPL	2	LRLR53	-3.
CPLRWSPL	409521	2	LRLR53	-3.
**				
CP409521	409511	6	NONE	0.0000
CP409511	376201	6	NONE	0.0000
CP376201	CON110	6	NONE	0.0030
CP372602	372632	6	NONE	0.0000
CP372632	372601	6	NONE	0.0000
CP372601	372631	6	299231	0.0000
CP372631	CON099	6	299231	0.0000
CP372501	CON110	6	228731	0.0000
CPCON110	CON099	6	NONE	0.0010
CPCON099	410921	6	NONE	0.0010
CP410921	410911	6	NONE	0.0000
CP410911	P40151	6	NONE	0.0000
CPP40151	401502	6	NONE	0.0000
CP401502	401504	6	NONE	0.0000
CP401504	401503	6	NONE	0.0000
CP401503	401505	6	NONE	0.0010
CP401505	CON100	6	NONE	0.0030
CPCON100	CON101	6	NONE	0.0000
CP372701	372731	6	NONE	0.0000
CP372731	CON100	6	299231	0.0000
CP372741	OUT	2	NONE 299231	-3. 0.0000
CP372744	OUT	2	NONE	-3. 0.0000
CP372743	OUT	2	NONE	-3. 0.0000
CP372742	OUT	2	NONE	-3. 0.0000
CP372831	CON100	6	299231	0.0000
CP372751	CON100	2	NONE	-3. 0.0000
CP372901	372931	6	NONE	0.0000
CP372931	CON100	6	299231	0.0000
CP37294E	OUT	2	NONE	-3. 0.0000
CP372941	OUT	2	NONE	-3. 0.0000
CP372942	OUT	2	NONE	-3. 0.0000
CP37294B	OUT	2	NONE	-3. 0.0000
CP37294C	OUT	2	NONE	-3. 0.0000
CP37294D	OUT	2	NONE	-3. 0.0000
CP37294A	OUT	2	NONE	-3. 0.0000
CP372940	OUT	2	NONE	-3. 0.0000
CP372949	OUT	2	NONE	-3. 0.0000
CP372948	OUT	2	NONE	-3. 0.0000

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CP372947	OUT	2	NONE	NONE	-3.	0.0000
CP372946	OUT	2	NONE	NONE	-3.	0.0000
CP372943	OUT	2	NONE	NONE	-3.	0.0000
CP372945	OUT	2	NONE	NONE	-3.	0.0000
CP372944	OUT	2	NONE	NONE	-3.	0.0000
CPCON101	427901	6		NONE		0.0000
CP427901	427902	6		NONE		0.0000
CP427903	427931	6		NONE		0.0000
CP427931	427901	6		299231		0.0000
CP427951	427902	2	NONE	NONE	-3.	0.0000
CP427902	CON107	6		NONE		0.0050
CPW12511	373101	6		NONE		0.0000
CP373002	373032	6		NONE		0.0000
CP373032	373001	6		NONE		0.0000
CP373001	373031	6		NONE		0.0000
CP373031	373101	6		299231		0.0000
CP373101	W12491	6		NONE		0.0000
CP373231	W12491	6		299231		0.0000
CPW12501	373504	6		NONE		0.0000
CP373504	373503	6		NONE		0.0000
CP373503	373502	6		NONE		0.0000
CP373502	373501	6		NONE		0.0000
CP373501	373601	6		NONE		0.0000
CP373601	373701	6		NONE		0.0000
CP373701	SGGE55	6		NONE		0.0000
CPSGGE55	W12502	1		NONE	-3.	0.0000
CPW12502	CON105	6		NONE		0.0000
CPW12491	W12481	6		NONE		0.0000
CPW12481	516201	6		NONE		0.0000
CP516201	516202	6		NONE		0.0000
CPW12492	NGGE54	6		NONE		0.0000
CP516231	W12492	2				0.0000
CP516251	NGGE54	6	NONE	NONE	-3.	0.0000
CPNGGE54	373331	1		NONE	-3.	0.0000
CP516202	516231	6		NONE		0.0000
CP373331	373332	6		299231		0.0000
CP373332	CON103	6		299231		0.0000
CP391301	391331	6		NONE		0.0000
CP391331	373403	6		299231		0.0000
CP373403	373433	6		NONE		0.0000
CP373433	373402	6		NONE		0.0000
CP373402	373432	6		NONE		0.0000
CP373432	373401	6		NONE		0.0000
CP373401	373431	6		NONE		0.0000
CP373431	CON103	6		299231		0.0000
CPCON103	CON105	6		NONE		0.0010
CPCON105	373831	6		NONE		0.0000
CP373831	GAGE56	6		299231		0.0000
CP104893	GAGE56	2	NONE	NONE	-3.	0.0000
CPGAGE56	373901	1		NONE	-3.	0.0000
CP373901	374001	6		NONE		0.0010
CP373951	374001	2	NONE	NONE	-3.	0.0000
CP374001	374101	6		NONE		0.0000
CP374101	374221	6		NONE		0.0000
CP374221	374211	6		NONE		0.0000
CP374211	CON106	6		NONE		0.0000
CPCON106	374402	6		NONE		0.0000
CP553332	553301	6		NONE		0.0000
CP553341	OUT	2	NONE	299231	-3.	0.0000
CP553351	553301	2	NONE	NONE	-3.	0.0000
CP553301	553331	6		NONE		0.0000
CP553331	374304	6		299231		0.0000
CP374304	374303	6		NONE		0.0000
CP374303	374302	6		NONE		0.0000
CP374302	374301	6		NONE		0.0000
CP374301	374202	6		NONE		0.0000
CP374202	374201	6		NONE		0.0000
CP104891	374202	2	NONE	NONE	-3.	0.0000
CP374201	CON106	6		NONE		0.0000
CP374402	374503	6		NONE		0.0000
CP374503	374502	6		NONE		0.0000
CP374502	374401	6		NONE		0.0000
CP374401	374501	6		NONE		0.0000
CP374501	374601	6		NONE		0.0010
CP104892	374601	2	NONE	NONE	-3.	0.0000
CP374601	374701	6		NONE		0.0010
CP374701	P40911	6		NONE		0.0000
CPP40911	4091P1	6		NONE		0.0000
CP4091P1	374801	6		NONE		0.0010
CP374801	W12482	6		NONE		0.0010
CPW12482	W12141	6		NONE		0.0020
CP516301	516302	6		NONE		0.0000
CP516302	516331	6		NONE		0.0000
CP516331	GALA57	6				0.0010

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CPW12471	W12141	6		NONE	0.0000
CPW12472	GALA57	6		NONE	0.0000
CPW12141	516301	6		NONE	0.0000
CP516351	GALA57	2	NONE	NONE	-3. 0.0000
CPGALA57	374905	1		NONE	-3. 0.0050
CP374905	374904	6		NONE	0.0000
CP374904	374903	6		NONE	0.0000
CP374903	374902	6		NONE	0.0000
CP374902	374901	6		NONE	0.0000
CP374901	375005	6		NONE	0.0000
CP375005	375004	6		NONE	0.0000
CP375004	375003	6		NONE	0.0000
CP375003	375002	6		NONE	0.0000
CP375002	375001	6		NONE	0.0000
CP375001	W12442	6		NONE	0.0000
CPW12442	CON102	6		NONE	0.0000
CP126441	W12441	2	NONE	NONE	-3. 0.0000
CP400751	400702	2	NONE	NONE	-3. 0.0000
CP123081	400702	2	NONE	NONE	-3. 0.0000
CP400702	400703	6		NONE	0.0000
CP400703	W12441	6		NONE	0.0000
CPW12441	375101	6		NONE	0.0000
CP397131	511831	6		299231	0.0000
CP511831	375101	6		299231	0.0000
CP102641	375101	2	NONE	NONE	-3. 0.0000
CP417131	375101	6		299231	0.0000
CP114591	375101	2	NONE	NONE	-3. 0.0000
CP375101	416621	6		NONE	0.0000
CP102642	416621	2	NONE	NONE	-3. 0.0000
CP416621	416611	6		NONE	0.0000
CP416611	CON102	6		NONE	0.0000
CP375332	375301	6		NONE	0.0000
CP375351	375301	2	NONE	NONE	-3. 0.0000
CP375301	375331	6		NONE	0.0000
CP375331	CON102	6		299231	0.0000
CP518831	375231	6		299231	0.0000
CP375231	CON102	6		299231	0.0000
CP375401	375431	6		NONE	0.0000
CP102991	CON102	2	NONE	NONE	-3. 0.0000
CP375431	CON102	6		299231	0.0000
CP375601	375503	6		NONE	0.0000
CP375505	375532	6		NONE	0.0000
CP375532	375503	6		NONE	0.0000
CP375503	375506	6		NONE	0.0000
CP375506	375533	6		NONE	0.0000
CP375533	375701	6		299231	0.0000
CP375701	375731	6		299231	0.0000
CP375731	CON102	6		299231	0.0000
CP375504	375531	6		NONE	0.0000
CP375531	375502	6		299231	0.0000
CP375502	375501	6		NONE	0.0000
CP375501	CON102	6		NONE	0.0000
CPCON102	W12142	6		NONE	0.0020
CPCON107	375801	6		NONE	0.0000
CPW12142	CON107	6		NONE	0.0000
CP375801	P42121	6		NONE	0.0020
CP421251	P42121	2	NONE	NONE	-3. 0.0000
CPP42121	375901	6		NONE	0.0010
CP421252	375901	2	NONE	NONE	-3. 0.0000
CP375901	P37611	6		NONE	0.0010
CPP37611	376102	6		NONE	0.0010
CP376102	376001	6		NONE	0.0010
CP376001	376101	6		NONE	0.0000
CP376101	376131	6		NONE	0.0000
CP376131	CON108	6		375931	0.0010
CP100041	CON108	2	NONE	NONE	-3. 0.0000
CP375941	OUT	2	NONE	375931	-3. 0.0000
CP375903	375932	6		NONE	0.0000
CP375932	375902	6		NONE	0.0000
CP375902	375931	6		NONE	0.0000
CP375931	CON108	6			0.0000
CP376231	CON108	6		375931	0.0000
CPCON108	LRCA58	6		NONE	0.0000
** Little River at Cameron					
**CPLRCA58	376301	1		NONE	-3. 0.0020
CPLRCA58	CASUBS	1		NONE	-3.
CPCASUBS	CA-DRY	2	LRCA58	NONE	-3.
CPCA-DRY	CA-AVG	2	LRCA58	NONE	-3.
CPCA-AVG	CA-WET	2	LRCA58	NONE	-3.
CPCA-WET	CADPUL	2	LRCA58	NONE	-3.
CPCADPUL	CAASPL	2	LRCA58	NONE	-3.
CPCAASPL	CAWSPL	2	LRCA58	NONE	-3.
CPCAWSPL	LRCAA	2	LRCA58	NONE	-3.
**					

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CP LRCAA	LRCAB	2	LRCA58	NONE	-3.	0.0000
CP LRCAB	LRCAC	2	LRCA58	NONE	-3.	0.0000
CP LRCAC	LRCAD	2	LRCA58	NONE	-3.	0.0000
CP LRCAD	376301	2	LRCA58	NONE	-3.	0.0020
**						
CP376301	376402	6		NONE		0.0010
CP376402	376401	6		NONE		0.0000
CP376401	376504	6		NONE		0.0000
CP376504	376503	6		NONE		0.0010
CP376503	376502	6		NONE		0.0000
CP376502	376501	6		NONE		0.0010
CP376501	376601	6		NONE		0.0000
CP376601	CON109	6		NONE		0.0010
CP522631	CON109	6		228731		0.0000
CP293851	554801	2	NONE	NONE	-3.	0.0000
CP104702	554801	2	NONE	NONE	-3.	0.0000
CP554801	CON109	6		NONE		0.0000
CP376801	376831	6		375931		0.0000
CP376831	CON109	6		375931		0.0000
CP376841	OUT	2	NONE	375931	-3.	0.0000
CP376742	OUT	2	NONE	NONE	-3.	0.0000
CP376741	OUT	2	NONE	299231	-3.	0.0000
CP376701	376731	6		NONE		0.0000
CP376731	522731	6		NONE		0.0000
CP376702	376703	6		NONE		0.0000
CP376732	376705	6		NONE		0.0000
CP376705	376735	6		NONE		0.0000
CP376735	376703	6		NONE		0.0000
CP376704	376734	6		NONE		0.0000
CP376734	376703	6		NONE		0.0000
CP376703	376733	6		NONE		0.0000
CP376733	CON109	6		299231		0.0000
CP522731	CON109	6		299231		0.0000
CPCON109	376602	6		NONE		0.0000
CP376602	376603	6		NONE		0.0000
CP376603	376604	6		NONE		0.0010
CP376604	376605	6		NONE		0.0000
CP376605	376901	6		NONE		0.0010
CP376901	507721	6		NONE		0.0000
CP507721	507711	6		NONE		0.0010
CP507711	377002	6		NONE		0.0020
CP377002	377001	6		NONE		0.0010
CP376641	OUT	2	NONE	375931	-3.	0.0000
CP377001	377102	6		NONE		0.0010
CP377103	377102	6		NONE		0.0000
CP377102	377101	6		NONE		0.0010
CP377101	377201	6		NONE		0.0000
CP377201	377307	6		NONE		0.0000
CP377307	377202	6		NONE		0.0000
CP377202	377306	6		NONE		0.0000
CP377306	377305	6		NONE		0.0010
CP377305	377203	6		NONE		0.0000
CP377203	377401	6		NONE		0.0000
CP377401	377303	6		NONE		0.0010
CP377304	377332	6		NONE		0.0000
CP377332	377303	6		375931		0.0000
CP377303	377503	6		NONE		0.0000
CP377503	377302	6		NONE		0.0000
CP377302	377502	6		NONE		0.0000
CP436902	436932	6		NONE		0.0000
CP436932	CON111	6		NONE		0.0000
CP436901	436931	6		NONE		0.0000
CP436931	436902	6		375931		0.0000
CP433901	434001	6		NONE		0.0010
CP434001	434031	6		NONE		0.0000
CP434031	BRWA41	6		228731		0.0010
CP509451	BRWA41	2	NONE	NONE	-3.	0.0000
** Brazos River near Waco						
**CPBRWA41	CON216	1		NONE	-3.	0.0000
CPBRWA41	WASUBS	1		NONE	-3.	
CPWASUBS	WA-DRY	2	BRWA41	NONE	-3.	
CPWA-DRY	WA-AVG	2	BRWA41	NONE	-3.	
CPWA-AVG	WA-WET	2	BRWA41	NONE	-3.	
CPWA-WET	WADPUL	2	BRWA41	NONE	-3.	
CPWADPUL	WAASPL	2	BRWA41	NONE	-3.	
CPWAASPL	WAWSPL	2	BRWA41	NONE	-3.	
CPWAWSPL	CON216	2	BRWA41	NONE	-3.	
**						
CP508541	OUT	2	NONE	228731	-3.	0.0000
CPCON216	508501	6		NONE		0.0000
CP508501	434402	6		NONE		0.0000
CP508551	434402	2	NONE	NONE	-3.	0.0000
CP508552	434402	2	NONE	NONE	-3.	0.0000
CP110711	434402	2	NONE	NONE	-3.	0.0000

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CP434402	CON112	6	NONE	0.0000
CP500001	500031	6	NONE	0.0000
CP500031	434202	6	406331	0.0000
CP012671	434202	2	NONE NONE	-3. 0.0000
CP434202	434231	6	NONE	0.0000
CP434231	434421	6		0.0000
CP434331	434332	6	228731	0.0000
CP434332	434421	6	NONE	0.0000
CP434421	434411	6	NONE	0.0000
CP434411	CON112	6	NONE	0.0000
CPCON112	434201	6	NONE	0.0000
CP434201	434401	6	NONE	0.0000
CP434401	393603	6	NONE	0.0010
CP393603	393602	6	NONE	0.0000
CP393602	393601	6	NONE	0.0010
CP393601	CON217	6	NONE	0.0000
CP009541	434502	2	NONE NONE	-3. 0.0000
CP009543	434502	2	NONE NONE	-3. 0.0000
CP434502	434531	6	NONE	0.0000
CP434531	CON217	6		0.0000
CPCON217	434501	6	NONE	0.0000
** FNI change Waco reuse permit				
**CP434501	P40421	6	NONE	0.0020
CP434501	584001	6	NONE	0.0009
CP584001	P40421	6	NONE	0.0011
**				
CPP40421	P40891	6	NONE	0.0000
CPP40891	404202	6	NONE	0.0000
CP404202	P40892	6	NONE	0.0000
CPP40892	434602	6	NONE	0.0010
CP434602	434601	6	NONE	0.0000
CP434601	401421	6	NONE	0.0000
CP401421	556321	6	NONE	0.0000
CP556321	556311	6	NONE	0.0000
CP556311	559201	6	NONE	0.0000
CP559201	401321	6	NONE	0.0010
CP401321	401311	6	NONE	0.0000
CP401311	401411	6	NONE	0.0000
CP401411	CON113	6	NONE	0.0000
CP434701	434731	6	NONE	0.0000
CP434731	CON113	6	228731	0.0000
CP434801	434831	6	NONE	0.0000
CP434831	CON113	6	228731	0.0000
CP434903	434933	6	NONE	0.0000
CP434933	CON113	6	228731	0.0000
CP434902	434932	6	NONE	0.0000
CP434932	CON113	6	228731	0.0000
CP434901	434931	6	NONE	0.0000
CP434931	CON113	6	228731	0.0000
CP435001	435031	6	NONE	0.0000
CP435031	CON113	6	228731	0.0000
CP435101	435131	6	NONE	0.0000
CP435131	CON113	6	228731	0.0000
CP435201	435231	6	NONE	0.0000
CP435231	CON113	6	228731	0.0000
CP435301	435331	6	NONE	0.0000
CP435331	435401	6	228731	0.0000
CP435401	435431	6	NONE	0.0000
CP435431	CON113	6	228731	0.0000
CPCON113	401322	6	NONE	0.0000
CP401322	401312	6	NONE	0.0000
CP401312	435501	6	NONE	0.0000
CP435501	424601	6	NONE	0.0000
CP424601	P41081	6	NONE	0.0010
CP435631	P41081	6	406331	0.0000
CPP41081	P41082	6	NONE	0.0000
CP101102	P41082	2	NONE NONE	-3. 0.0000
CPP41082	CON114	6	NONE	0.0010
CP435601	CON114	6	NONE	0.0000
CPCON114	CON115	6	NONE	0.0010
CP435731	CON115	6	406331	0.0000
CPCON115	CON116	6	NONE	0.0000
CP435553	P40781	2	NONE NONE	-3. 0.0000
CP435503	435533	6	NONE	0.0000
CP435533	P40781	6		0.0000
CPW12424	435532	6	NONE	0.0000
CP435532	W12423	6	406331	0.0000
CP435552	435502	2	NONE NONE	-3. 0.0000
CP435554	W12423	2	NONE NONE	-3. 0.0000
CPW12423	435502	6	NONE	0.0000
CP435502	P40781	6	NONE	0.0000
CP435531	P40781	6	406331	0.0000
CP435551	P40781	2	NONE NONE	-3. 0.0000
CPCON116	435801	6	NONE	0.0000

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CP435801	435802	6		NONE		0.0000
CP435851	435802	2	NONE	NONE	-3.	0.0000
CP435802	P40631	6		NONE		0.0000
CPP40631	CON218	6		NONE		0.0000
CPCON218	BRHB42	6		NONE		0.0010
CP406331	406302	6				0.0000
CP406302	BRHB42	6		NONE		0.0000
**CPBRHB42	435902	1		NONE	-3.	0.0000
** SysOp Change:						
** CP Records add/changed for BRA SOP Consensus Method IF, Highbank						
CPBRHB42	BRHBA	1		NONE	-3.	0.0000
CP BRHBA	BRHBB	2	BRHB42	NONE	-3.	0.0000
CP BRHBB	BRHBC	2	BRHB42	NONE	-3.	0.0000
CP BRHBC	BRHBD	2	BRHB42	NONE	-3.	0.0000
CP BRHBD	435902	2	BRHB42	NONE	-3.	0.0000
**						
CP435902	435901	6		NONE		0.0000
CP435901	407521	6		NONE		0.0010
CP407521	407511	6		NONE		0.0000
CP407511	P40761	6		NONE		0.0000
CPP40761	P40781	6		NONE		0.0000
CP407651	P40781	2	NONE	NONE	-3.	0.0000
CPP40781	407802	6		NONE		0.0000
CP407802	CON117	6		NONE		0.0000
CP436051	436002	2	NONE	NONE	-3.	0.0000
CP436002	436031	6		NONE		0.0000
CP436031	436001	6		228731		0.0000
CP436001	CON117	6		228731		0.0000
CP436052	CON117	2	NONE	NONE	-3.	0.0000
CPCON117	407803	6		NONE		0.0000
CP407803	P40231	6		NONE		0.0020
CP407851	P40231	2	NONE	NONE	-3.	0.0000
CPP40231	436101	6		NONE		0.0000
CP436101	436201	6		NONE		0.0000
CP436201	436302	6		NONE		0.0000
CP436302	436301	6		NONE		0.0000
CP436301	436404	6		NONE		0.0000
CP436404	436403	6		NONE		0.0000
CP436403	436402	6		NONE		0.0000
CP436402	436401	6		NONE		0.0000
CP436401	436501	6		NONE		0.0000
CP436501	436601	6		NONE		0.0000
CP436601	436702	6		NONE		0.0000
CP436702	436701	6		NONE		0.0000
CP436701	547001	6		NONE		0.0000
CP436441	OUT	2	NONE	375931	-3.	0.0000
CP547001	CON111	6		NONE		0.0010
CPCON111	W12132	6		NONE		0.0000
CPW12132	P41451	6		NONE		0.0010
CPP41451	436802	6		NONE		0.0000
CP436802	436801	6		NONE		0.0000
CP414551	436801	2	NONE	NONE	-3.	0.0000
CP436801	CON118	6		NONE		0.0020
CPCON118	P40801	6		NONE		0.0020
CPP40801	P40802	6		NONE		0.0000
CPP40802	P40803	6		NONE		0.0000
CPP40803	408004	6		NONE		0.0000
CP408004	437001	6		NONE		0.0010
CP408051	437001	2	NONE	NONE	-3.	0.0000
CP437001	437002	6		NONE		0.0000
CP437002	437102	6		NONE		0.0000
CP437003	437031	6		NONE		0.0000
CP437031	437004	6		375931		0.0000
CP437004	437032	6		NONE		0.0000
CP437032	437102	6		NONE		0.0000
CP437102	437101	6		NONE		0.0000
CP437101	437201	6		NONE		0.0000
CP437201	CON119	6		NONE		0.0020
CP437332	437331	6		375931		0.0000
CP437331	CON119	6		375931		0.0000
CP437431	CON119	6		375931		0.0000
CPCON119	CON120	6		NONE		0.0010
CP437202	437231	6		NONE		0.0000
CP437231	CON120	6		375931		0.0000
CPCON120	P53491	6		NONE		0.0000
CPP53491	CON121	6		NONE		0.0000
CP028813	436304	2	NONE	NONE	-3.	0.0000
CP511731	5326P1	6		406331		0.0000
CP5326P1	436304	6		NONE		0.0000
CP5326P2	436304	6		NONE		0.0000
CP511732	436304	6		NONE		0.0000
CP028818	436304	2	NONE	NONE	-3.	0.0000
CP028815	436304	2	NONE	NONE	-3.	0.0000
CP02881B	436304	2	NONE	NONE	-3.	0.0000

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CP02881A	436304	2	NONE	NONE	-3.	0.0000
CP548231	436304	6		406331		0.0000
CP028817	436304	2	NONE	NONE	-3.	0.0000
CP028814	436304	2	NONE	NONE	-3.	0.0000
CP028810	436304	2	NONE	NONE	-3.	0.0000
CP028811	436304	2	NONE	NONE	-3.	0.0000
CP514832	437501	6		NONE		0.0000
CP028772	437501	2	NONE	NONE	-3.	0.0000
CP437501	436304	6		NONE		0.0000
CP437503	437532	6		NONE		0.0000
CP437532	437502	6		NONE		0.0000
CP437502	437531	6		NONE		0.0000
CP437531	436304	6		406331		0.0000
CP514833	436304	6		NONE		0.0000
CP510631	436304	6		406331		0.0000
CP028812	436304	2	NONE	NONE	-3.	0.0000
CP028819	436304	2	NONE	NONE	-3.	0.0000
CP514831	436304	6		406331		0.0000
CP436304	436305	6		NONE		0.0000
CP436305	436303	6		NONE		0.0000
CP436303	436406	6		NONE		0.0000
CP436406	436405	6		NONE		0.0000
CP436405	CON121	6		NONE		0.0000
CP437601	CON121	6		NONE		0.0000
CP437733	437701	6		NONE		0.0000
CP437701	437732	6		NONE		0.0000
CP437732	437731	6		375931		0.0000
CP437731	CON121	6		NONE		0.0000
CP100462	CON121	2	NONE	NONE	-3.	0.0000
CP437831	CON121	6		375931		0.0000
CPCON121	BRBR59	6		NONE		0.0010
** Brazos River near Bryan						
**CPBRBR59	CON122	1		NONE	-3.	0.0020
CPBRBR59	BRSUBS	1		NONE	-3.	
CPBRSUBS	BR-DRY	2	BRBR59	NONE	-3.	
CPBR-DRY	BR-AVG	2	BRBR59	NONE	-3.	
CPBR-AVG	BR-WET	2	BRBR59	NONE	-3.	
CPBR-WET	BRDPUL	2	BRBR59	NONE	-3.	
CPBRDPUL	BRASPL	2	BRBR59	NONE	-3.	
CPBRASPL	BRWSPL	2	BRBR59	NONE	-3.	
CPBRWSPL	CON122	2	BRBR59	NONE	-3.	0.0020
**						
CP021173	CON122	2	NONE	NONE	-3.	0.0000
CP526801	526831	6		NONE		0.0000
CP526831	CON122	6				0.0000
CP526851	CON122	2	NONE	NONE	-3.	0.0000
CP104262	526901	2	NONE	NONE	-3.	0.0000
CP526901	526902	6		NONE		0.0000
CP526902	CON122	6		NONE		0.0000
CP038211	CON122	2	NONE	NONE	-3.	0.0000
CP527031	CON122	6		375931		0.0000
CPCON122	527101	6		NONE		0.0010
CP527101	P41281	6		375931		0.0010
CPP41281	560302	6		NONE		0.0040
CP025851	560302	2	NONE	NONE	-3.	0.0000
CP109681	560302	2	NONE	NONE	-3.	0.0000
CP560302	P40171	6		NONE		0.0020
CPP40171	401702	6		NONE		0.0010
CP401702	528511	6		NONE		0.0000
CP528511	528522	6		NONE		0.0000
CP528522	401622	6		NONE		0.0000
CP401622	CON130	6		NONE		0.0010
CP527131	527102	6		375931		0.0000
CP527102	560301	6		375931		0.0000
**CP560301	CON130	6		NONE		0.0000
** ADD NEW CP FOR P5752						
CP560301	575203	6		NONE		0.0000
CP575203	CON130	6		401041		0.0000
**						
CP003953	CON227	2	NONE	NONE	-3.	0.0000
CP003951	003952	2	NONE	NONE	-3.	0.0000
CP003952	527201	2	NONE	NONE	-3.	0.0000
CP527201	527231	6		NONE		0.0000
CP527231	527301	6				0.0000
CP527301	527331	6		NONE		
CP527331	554031	6		299231		
**CP554031	CON225	6		299231		0.0000
CP554031	554032	6		299231		0.0000
CP554032	CON225	6				0.0000
**						
CP375851	CON226	2	NONE	NONE	-3.	0.0000
CPCON226	580332	6		NONE		0.0000
CP580331	580332	6		299231		0.0000
CP580332	CON225	6		299231		0.0000

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**
CPCON225 CON224 6 NONE NONE 0.0000
CP003956 CON224 2 NONE NONE -3. 0.0000
**CP554032 CON224 6 0.0000
CP003954 CON224 2 NONE NONE -3. 0.0000
CP003955 CON224 2 NONE NONE -3. 0.0000
CP003957 CON224 2 NONE NONE -3. 0.0000
CP527401 527431 6 NONE 0.0000
CP527431 CON224 6 375931 0.0000
CPCON224 EYDB61 6 NONE 0.0000
CPEYDB61 CON124 1 NONE -3. 0.0070
CP00395A MYDB60 2 NONE NONE -3. 0.0000
CP003958 MYDB60 2 NONE NONE -3. 0.0000
CPMYDB60 CON124 1 NONE -3. 0.0100
**CPCON124 W12121 6 NONE 0.0030
** NOTE: W12121 NEEDS TO BE ADDED IN AFTER THE STREAM EDITS ARE PROCESSED
**CPW12121 CON125 6 NONE 0.0010
**
CP565801 CON125 6 375931 0.0000
CP565837 CON125 6 375931 0.0000
CP565833 CON125 6 375931 0.0000
CP565836 CON124 6 375931 0.0000
CP565834 CON124 6 375931 0.0000
CPCON124 565801 6 NONE 0.0030
**
CP527542 OUT 2 NONE NONE -3. 0.0000
CP527541 OUT 2 NONE 375931 -3. 0.0000
CP527502 527532 6 NONE 0.0000
CP527532 527501 6 NONE 0.0000
CP527501 527531 6 NONE 0.0000
CP527531 CON125 6 375931 0.0000
CPCON125 CON126 6 NONE 0.0020
CP527601 527631 6 NONE 0.0000
CP527631 CON126 6 375931 0.0000
CP527733 527732 6 375931 0.0000
CP527732 527731 6 375931 0.0000
CP527731 527701 6 375931 0.0000
CP527701 CON126 6 NONE 0.0000
CP527831 CON126 6 375931 0.0000
CPCON126 CON227 6 NONE 0.0010
CP527932 CON227 6 375931 0.0000
CP527931 CON227 6 375931 0.0000
CPCON227 CON128 6 NONE 0.0020
CP527933 CON128 6 375931 0.0000
CPCON128 CON228 6 NONE 0.0030
CP528001 CON228 6 NONE 0.0000
CP528051 CON228 2 NONE NONE -3. 0.0000
CP528041 OUT 2 NONE 375931 -3. 0.0000
CPCON228 W12111 6 NONE 0.0010
CPW12111 516402 6 NONE 0.0000
CP516402 516431 6 NONE 0.0000
CP516431 516401 6 0.0000
CP516401 W12122 6 NONE 0.0000
CPW12122 YCSO62 6 NONE 0.0010
CP516451 YCSO62 2 NONE NONE -3. 0.0000
**CPYCSO62 CON123 1 NONE -3. 0.0030
** SysOp change - added control points for consensus method
CPYCSO62 YCSOA 1 NONE -3. 0.0000
CP YCSOA YCSOB 2 YCSO62 NONE -3. 0.0000
CP YCSOB YCSOC 2 YCSO62 NONE -3. 0.0000
CP YCSOC YCSOD 2 YCSO62 NONE -3. 0.0000
CP YCSOD CON123 2 YCSO62 NONE -3. 0.0030
**
CP528131 CON223 6 375931 0.0000
CP528232 528231 6 NONE 0.0000
CP528231 CON223 6 375931 0.0000
CPCON223 P41401 6 NONE 0.0000
CPP41401 CON222 6 NONE 0.0000
CP414051 CON222 2 NONE NONE -3. 0.0000
CPCON222 CON221 6 NONE 0.0000
CP528332 CON221 6 375931 0.0000
CPCON221 CON220 6 NONE 0.0000
CP528331 CON220 6 375931 0.0000
CP528335 CON220 6 375931 0.0000
CP528336 CON220 6 375931 0.0000
CPCON220 CON219 6 NONE 0.0000
CP528333 CON219 6 375931 0.0000
CP528334 CON219 6 375931 0.0000
CPCON219 DCLY63 6 NONE 0.0000
CPDCLY63 CON123 1 NONE -3. 0.0060
CPCON123 CON129 6 NONE 0.0040
CP528431 528401 6 375931 0.0000
CP528401 CON129 6 NONE 0.0000
CPCON129 W12112 6 NONE 0.0030

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CPW12101	W12102	6	NONE	0.0000
CPW12102	W12532	6	NONE	0.0000
CPW12532	528731	6	NONE	0.0000
CP528751	W12102	2	NONE NONE	-3. 0.0000
CP528731	528701	6		0.0000
CP528701	528801	6	NONE	0.0000
CP528801	528831	6	NONE	0.0000
CP528831	NAGR64	6	406331	0.0000
CPNAGR64	528931	1	NONE	-3. 0.0000
CP528931	528901	6	406331	0.0000
CP528901	CON131	6	NONE	0.0020
CP529031	529001	6	406331	0.0000
CP529001	CON131	6	NONE	0.0000
CPCON131	W12531	6	NONE	0.0020
CPW12531	CON132	6	NONE	0.0030
CP529131	529101	6	406331	0.0000
CP529101	CON229	6	NONE	0.0000
CP529332	529331	6	406331	0.0000
CP529331	529201	6	406331	0.0000
CP529201	CON229	6	NONE	0.0000
CPCON229	CON250	6	NONE	0.0000
CP529431	CON250	6	406331	0.0000
CPCON250	W12522	6	NONE	0.0000
CPW12522	BGFR65	6	NONE	0.0000
CPBGFR65	CON132	1	NONE	-3. 0.0000
CP529531	CON132	6	406331	0.0000
CPCON132	CON230	6	NONE	0.0010
CP024302	CON230	2	NONE NONE	-3. 0.0000
CP024301	CON230	2	NONE NONE	-3. 0.0000
CP024305	CON230	2	NONE NONE	-3. 0.0000
CP02653A	CON230	2	NONE NONE	-3. 0.0000
CP026530	CON230	2	NONE NONE	-3. 0.0000
CP026534	CON230	2	NONE NONE	-3. 0.0000
CP026536	CON230	2	NONE NONE	-3. 0.0000
CP026531	CON230	2	NONE NONE	-3. 0.0000
CP531904	531938	6	NONE	0.0000
CP531938	531907	6	NONE	0.0000
CP531905	531939	6	NONE	0.0000
CP531939	531930	6	NONE	0.0000
CP531930	531907	6	NONE	0.0000
CP531907	53193C	6	NONE	0.0000
CP53193C	CON230	6	NONE	0.0000
CP5319P1	P53192	6	NONE	0.0000
CPP53192	531934	6	NONE	0.0000
CP531934	CON230	6	NONE	0.0000
CP5319P2	CON230	6	NONE	0.0000
CP53193D	CON230	6	NONE	0.0000
CPP53191	531933	6	NONE	0.0000
CP531933	531935	6	NONE	0.0000
CP531935	CON230	6	NONE	0.0000
CP531936	CON230	6	406331	0.0000
CPCON230	CON133	6	NONE	0.0010
CP026533	CON133	2	NONE NONE	-3. 0.0000
CP531903	531937	6	NONE	0.0000
CP531937	CON133	6	406331	0.0000
CP5319PB	CON133	6	NONE	0.0000
CP531906	5319PA	6	NONE	0.0000
CP5319PA	CON133	6	NONE	0.0000
CPCON133	W12521	6	NONE	0.0000
CPW12092	516501	6	NONE	0.0000
CP516501	516531	6	406331	0.0000
** FNI change - for Limestone instream flow				
**CP516531	CON134	6		0.0040
CP516531	5165IF	6		0.0000
CP5165IF	CON134	6	NONE	0.0040
** end FNI change				
CPW12521	W12092	6	NONE	0.0000
CP026532	CON134	2	NONE NONE	-3. 0.0000
CP531908	53193E	6	NONE	0.0000
CP53193E	CON134	6	NONE	0.0000
CP536731	CON134	6	406331	0.0000
CP529731	CON134	6	406331	0.0000
CP516032	CON134	6	NONE	0.0000
CPP51601	5160P1	6	NONE	0.0000
CP5160P1	NAEA66	6	406331	0.0000
CPCON134	NAEA66	6	NONE	0.0010
** Navasota River at Easterly				
**CPNAEA66	CON135	1	NONE	-3. 0.0020
CPNAEA66	EASUBS	1	NONE	-3.
CPEASUBS	EA-DRY	2	NAEA66 NONE	-3.
CPEA-DRY	EA-AVG	2	NAEA66 NONE	-3.
CPEA-AVG	EA-WET	2	NAEA66 NONE	-3.
CPEA-WET	EADPUL	2	NAEA66 NONE	-3.
CPEADPUL	EAASPL	2	NAEA66 NONE	-3.

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CPEAASPL	EAWSPL	2	NAEA66	NONE	-3.	
CPEAWSPL	NAEAA	2	NAEA66	NONE	-3.	
**						
CPNAEAA	NAEAB	2	NAEA66	NONE	-3.	0.0000
CPNAEAB	NAEAC	2	NAEA66	NONE	-3.	0.0000
CPNAEAC	NAEAD	2	NAEA66	NONE	-3.	0.0000
CPNAEAD	CON135	2	NAEA66	NONE	-3.	0.0020
**						
CP019861	CON135	2	NONE	NONE	-3.	0.0000
CP529801	529831	6		NONE		0.0000
CP529831	CON135	6				0.0000
CPCON135	CON136	6		NONE		0.0010
CP529931	CON136	6		406331		0.0000
CP429601	429631	6		NONE		0.0000
CP429631	CON136	6		NONE		0.0000
CP429602	429632	6		NONE		0.0000
CP429632	CON136	6		NONE		0.0000
CP429603	429633	6		NONE		0.0000
CP429633	CON136	6		NONE		0.0000
CPCON136	CON137	6		NONE		0.0010
CP530031	530131	6		406331		0.0000
CP530131	CON137	6				0.0000
CPCON137	CON138	6		NONE		0.0020
CP530235	530231	6		NONE		0.0000
CP530231	530331	6		406331		0.0000
CP530234	530233	6		NONE		0.0000
CP530233	530232	6		NONE		0.0000
CP530232	530331	6		406331		0.0000
CP530331	CON138	6		406331		0.0000
CPCON138	NABR67	6		NONE		0.0040
CPNABR67	CON139	1		NONE	-3.	0.0030
CP530431	CON139	6		375931		0.0000
CPCON139	CON140	6		NONE		0.0040
CP530531	CON140	6		375931		0.0000
CPCON140	CON141	6		NONE		0.0030
CP530631	CON141	6		375931		0.0000
**Move control points of TMPA run-of-the-river diversion (530701) downstream of CON141						
**Change locates diversion on main stem of Navasota River						
**CPCON141	CON247	6		NONE		0.0030
CPCON141	530701	6		NONE		0.0014
**CP530701	530731	6		NONE		0.0000
**CP530731	CON247	6		375931		0.0000
CP530701	CON247	6		375931		0.0016
CPCON247	CON142	6		NONE		0.0010
CP530801	530831	6		NONE		0.0000
CP530831	P53291	6		375931		0.0000
CP013931	530931	2	NONE	NONE	-3.	0.0000
CP542201	530931	6		NONE		0.0000
CP542251	530931	2	NONE	NONE	-3.	0.0000
CP530931	P53291	6		375931		0.0000
CP104261	P53291	2	NONE	NONE	-3.	0.0000
CP535731	P53291	6		375931		0.0000
CP100241	P53291	2	NONE	NONE	-3.	0.0000
CP534532	534531	6		NONE		0.0000
CP534531	P53291	6		375931		0.0000
CP531031	P53291	6		375931		0.0000
CPP53291	CON142	6		NONE		0.0000
CP532951	532903	2	NONE	NONE	-3.	0.0000
CP532903	CON142	6		NONE		0.0000
CPCON142	CON143	6		NONE		0.0020
CP532952	532931	2	NONE	NONE	-3.	0.0000
CP532902	532931	6		NONE		0.0000
CP532931	CON143	6		375931		0.0000
CP538531	CON143	6		375931		0.0000
CP508133	CON143	6		375931		0.0000
CP508132	CON143	6		375931		0.0000
CP508131	CON143	6		375931		0.0000
CP100243	CON143	2	NONE	NONE	-3.	0.0000
CPCON143	557011	6		NONE		0.0010
CP513233	557011	6		375931		0.0000
CP024605	557011	2	NONE	NONE	-3.	0.0000
CP557011	CON144	6		NONE		0.0010
CP024604	513231	2	NONE	NONE	-3.	0.0000
CP513231	513232	6		375931		0.0000
CP513232	CON144	6		375931		0.0000
CPCON144	CON146	6		NONE		0.0000
CP531431	CON146	6		375931		0.0000
CPCON146	CON145	6		NONE		0.0000
CP547301	547331	6		NONE		0.0000
CP547331	CON145	6		375931		0.0000
CP530751	CON145	2	NONE	NONE	-3.	0.0000
CP531101	531131	6		NONE		0.0000
CP531131	CON145	6				0.0000
CP531151	CON145	2	NONE	NONE	-3.	0.0000

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CP021201	CON145	2	NONE	NONE	-3.	0.0000
CP531201	531231	6		NONE		0.0000
CP531231	CON145	6		375931		0.0000
CP024601	CON145	2	NONE	NONE	-3.	0.0000
CP545801	545831	6		NONE		0.0000
CP545831	CON145	6		375931		0.0000
CP505336	505334	6		375931		0.0000
CP505334	CON145	6		375931		0.0000
CP531331	CON145	6		375931		0.0000
CP024602	505332	2	NONE	NONE	-3.	0.0000
CP505331	505333	6		375931		0.0000
CP505333	505332	6		375931		0.0000
CP505335	505332	6		375931		0.0000
CP505332	CON145	6		375931		0.0000
CP535402	535432	6		NONE		0.0000
CP535432	CON145	6		NONE		0.0000
CP024608	CON145	2	NONE	NONE	-3.	0.0000
CPP53541	535431	6		NONE		0.0000
CP535431	CON145	6		375931		0.0000
CP024603	CON145	2	NONE	NONE	-3.	0.0000
CP513201	CON145	6		NONE		0.0000
CPCON145	557021	6		NONE		0.0000
CP557021	556601	6		NONE		0.0060
CP556601	528623	6		NONE		0.0040
CP102311	528623	2	NONE	NONE	-3.	0.0000
CP556641	OUT	2	NONE	375931	-3.	0.0000
CP528623	CON231	6		NONE		0.0000
CPP40161	4016P1	6		NONE		0.0000
CP4016P1	CON231	6		NONE		0.0000
CPCON231	528613	6		NONE		0.0000
CP528613	CON147	6		NONE		0.0020
CPW12112	CON130	6		NONE		0.0000
CPCON130	401612	6		NONE		0.0000
CP401612	528521	6		NONE		0.0000
CP528521	528512	6		NONE		0.0000
CP528512	401121	6		NONE		0.0000
CP401121	401111	6		NONE		0.0000
CP401111	401621	6		NONE		0.0000
CP401621	401611	6		NONE		0.0010
CP401602	401632	6		NONE		0.0000
CP401611	CON232	6		NONE		0.0000
CP401632	401611	6		NONE		0.0000
CP401633	401611	6		NONE		0.0000
CP401603	401633	6		NONE		0.0000
CP423202	423203	6		NONE		0.0000
CP423203	423204	6		NONE		0.0000
CP423204	423231	6		NONE		0.0000
CP423204	423231	6		NONE		0.0000
CPCON232	528621	6		NONE		0.0010
CP528621	528611	6		NONE		0.0000
CP528611	528622	6		NONE		0.0010
CP528622	528612	6		NONE		0.0000
CP528612	W12421	6		NONE		0.0010
CPCON147	W12021	6		NONE		0.0000
CPW12021	CON148	6		NONE		0.0010
CP529002	P52901	6		NONE		0.0000
CPP52901	CON148	6		375931		0.0000
CPCON148	529003	6		NONE		0.0010
CPW12421	CON147	6		NONE		0.0000
CP529041	OUT	2	NONE	375931	-3.	0.0000
CP529003	CON149	6		NONE		0.0070
CP531635	CON149	6		NONE		0.0000
CP531631	CON149	6		NONE		0.0000
CP531632	CON149	6		NONE		0.0000
CP531633	CON149	6		NONE		0.0000
CP531634	CON149	6		375931		0.0000
CP103881	CON149	2	NONE	NONE	-3.	0.0000
CP531531	529003	6				0.0000
CP561631	CON149	6		531531		0.0000
CP531731	CON150	6		375931		0.0000
CPCON149	BRHE68	6		NONE		0.0000
** Brazos River near Hempstead						
**CPBRHE68	CON150	1		NONE	-3.	0.0050
CPBRHE68	HESUBS	1		NONE	-3.	
CPHESUBS	HE-DRY	2	BRHE68	NONE	-3.	
CPHE-DRY	HE-AVG	2	BRHE68	NONE	-3.	
CPHE-AVG	HE-WET	2	BRHE68	NONE	-3.	
CPHE-WET	HEDPUL	2	BRHE68	NONE	-3.	
CPHEDPUL	HEASPL	2	BRHE68	NONE	-3.	
CPHEASPL	HEWSPL	2	BRHE68	NONE	-3.	
CPHEWSPL	CON150	2	BRHE68	NONE	-3.	0.0050
**						
CP531831	CON150	6		375931		0.0000
CP112751	CON150	2	NONE	NONE	-3.	0.0000
CPCON150	P40091	6		NONE		0.0010

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CP400951	P40091	2	NONE	NONE	-3.	0.0000
**CPP40091 now flows into CP 566502						
**CPP40091	CON151	6		NONE		0.0060
CP40091	566502	6		NONE		0.0000
**Application 5665, Paul Weinman (566502 and 566501) now lies between CP 400952 and CON151.						
**CP400952	CON151	2	NONE	NONE	-3.	0.0000
CP400952	566502	2	NONE	NONE	-3.	0.0000
CP103851	MCBL69	2	NONE	NONE	-3.	0.0000
CPMCL69	CON151	1		NONE	-3.	0.0030
CPCON151	428001	6		NONE		0.0000
CP428001	516604	6		NONE		0.0060
CP026651	516604	2	NONE	NONE	-3.	0.0000
CP026241	516604	2	NONE	NONE	-3.	0.0000
CP516604	292502	6		NONE		0.0000
CP292502	292504	6		NONE		0.0000
**CP292504	CON233	6		NONE		0.0000
CP292504	2925A	6		292531		0.0000
CP 2925A	2925B	6		NONE		0.0000
CP 2925B	2925C	6		NONE		0.0000
CP 2925C	2925D	6		NONE		0.0000
CP 2925D	CON233	6		NONE		0.0000
**						
CP292553	CON233	2	NONE	NONE	-3.	0.0000
CP102761	CON233	2	NONE	NONE	-3.	0.0000
CP292501	292531	6		NONE		0.0000
CP517102	516801	6		NONE		0.0000
CP516801	516701	6		401041		0.0000
CP517101	516603	6		NONE		0.0040
CP531931	531901	6		401041		0.0000
CP532341	OUT	2	NONE	401041	-3.	0.0000
CP532501	532502	6		NONE		0.0000
CP532502	532503	6		NONE		0.0000
CP532503	532504	6		NONE		0.0000
CP532504	532505	6		NONE		0.0000
CP536604	536631	6		NONE		0.0000
CP536631	532804	6		NONE		0.0000
CP536641	OUT	2	NONE	NONE	-3.	0.0000
CP536642	OUT	2	NONE	NONE	-3.	0.0000
CP536662	536641	2	NONE	NONE	-3.	0.0000
CP536663	536642	2	NONE	NONE	-3.	0.0000
CPCON233	292503	6		NONE		0.0010
CP292503	CON153	6		NONE		0.0010
**						
CP292551	CON233	2	NONE	NONE	-3.	0.0000
CP292552	CON233	2	NONE	NONE	-3.	0.0000
CP292531	CON233	6				0.0000
CP423201	423202	6		NONE		0.0000
CPCON153	CON234	6		NONE		0.0020
CP423231	CON153	6		401041		0.0000
CP531902	531931	6		NONE		0.0000
CP531901	531932	6		NONE		0.0000
CP531951	531901	2	NONE	NONE	-3.	0.0000
CP516802	516702	6		NONE		0.0000
CP531932	CON234	6		401041		0.0000
CPCON234	WL2451	6		NONE		0.0000
CPW12451	516802	6		NONE		0.0000
CP516702	517101	6		NONE		0.0000
CP024431	516603	2	NONE	NONE	-3.	0.0000
CP106073	516603	2	NONE	NONE	-3.	0.0000
CP516603	532001	6		NONE		0.0000
CP116551	BRR170	2	NONE	NONE	-3.	0.0000
CP102581	BRR170	2	NONE	NONE	-3.	0.0000
** CP Records Added/Changed for P2925						
CPBRR170	BRR17A	1		NONE	-3.	0.0000
CPBRR17A	BRR17B	2	BRR170	NONE	-3.	0.0000
CPBRR17B	BRR17C	2	BRR170	NONE	-3.	0.0000
CPBRR17C	BRR17D	2	BRR170	NONE	-3.	0.0000
**CPBRR17D	556721	2	BRR170	NONE	-3.	0.0010
** SysOp Change:						
** Add dummy control points to model the Consensus Method.						
CPBRR17D	BRR1A	2	BRR170	NONE	-3.	0.0000
**						
CP BRR1A	BRR1A1	2	BRR170	NONE	-3.	0.0000
**						
**CP BRR1A	BRR1B	2	BRR170	NONE	-3.	0.0000
CPBRR1A1	BRR1B	2	BRR170	NONE	-3.	0.0000
CP BRR1B	BRR1B1	2	BRR170	NONE	-3.	0.0000
CPBRR1B1	BRR1C	2	BRR170	NONE	-3.	0.0000
CP BRR1C	BRR1C1	2	BRR170	NONE	-3.	0.0000
CPBRR1C1	BRR1D	2	BRR170	NONE	-3.	0.0000
** Brazos River at Richmond						
**CP BRR1D	556721	2	BRR170	NONE	-3.	0.0010
CP BRR1D	RCSUBS	2	BRR170	NONE	-3.	
CPRCSUBS	RC-DRY	2	BRR170	NONE	-3.	

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CPRC-DRY	RC-AVG	2	BRR170	NONE	-3.	
CPRC-AVG	RC-WET	2	BRR170	NONE	-3.	
CPRC-WET	RCDPUL	2	BRR170	NONE	-3.	
CPRCDPUL	RCASPL	2	BRR170	NONE	-3.	
CPRCASPL	RCWSPL	2	BRR170	NONE	-3.	
CPRCWSPL	556721	2	BRR170	NONE	-3.	0.0010
**						
CP532001	BRR170	6		NONE		0.0020
CP556741	OUT	2	NONE		-3.	0.0000
CP556721	556711	6		NONE		0.0000
CP556711	CON235	6		NONE		0.0000
CP556751	CON235	2	NONE		-3.	0.0000
CP136281	CON154	2	NONE		-3.	0.0000
CP517301	511001	6		NONE		0.0000
CP511001	511031	6		NONE		0.0000
CP511002	CON154	6		NONE		0.0000
CP511031	511002	6		401041		0.0000
CP511032	CON154	6		NONE		0.0000
CP128332	W12452	2	NONE		-3.	0.0000
CP113171	W12452	2	NONE		-3.	0.0000
CP138731	W12452	2	NONE		-3.	0.0000
CP519951	W12452	2	NONE		-3.	0.0000
CP128331	W12452	2	NONE		-3.	0.0000
CP519901	W12452	6		NONE		0.0000
CP141001	W12452	2	NONE		-3.	0.0000
CP555241	OUT	2	NONE		-3.	0.0000
CP555242	OUT	2	NONE		-3.	0.0000
CP555201	555221	6		NONE		0.0010
CP555251	555221	2	NONE		-3.	0.0000
CP555221	555211	6		NONE		0.0000
CP555211	CON237	6		NONE		0.0000
CPCON237	CON155	6		NONE		0.0000
CP516602	517102	6		NONE		0.0000
CPCON155	CON240	6		NONE		0.0010
CP516701	CON155	6		NONE		0.0000
CPCON240	516601	6		NONE		0.0000
CP516601	532201	6		NONE		0.0000
CP511551	532301	2	NONE		-3.	0.0000
CP532361	532341	2	NONE		-3.	0.0000
CP532301	CON157	6		NONE		0.0000
CP532201	532301	6		NONE		0.0020
CP560642	OUT	2	NONE		-3.	0.0000
CP560641	OUT	2	NONE	401041	-3.	0.0000
CP560602	560601	6		NONE		0.0000
CP560601	CON236	6		NONE		0.0000
CP106072	560601	2	NONE		-3.	0.0000
CP560651	CON236	2	NONE		-3.	0.0000
CPCON236	BGNE71	6		NONE		0.0000
CPBGNE71	532601	1		NONE	-3.	0.0070
CP532431	532601	6		401041		0.0000
CP010382	511501	2	NONE		-3.	0.0000
CP010384	511501	2	NONE		-3.	0.0000
CP010383	511501	2	NONE		-3.	0.0000
CP532051	532501	2	NONE		-3.	0.0000
CP010381	511501	2	NONE		-3.	0.0000
CP511501	532601	6		NONE		0.0000
CP532601	CON157	6		NONE		0.0020
CP532631	CON157	6		401041		0.0000
CP532632	CON157	6		NONE		0.0000
CP532633	CON157	6		NONE		0.0000
CP532645	OUT	2	NONE		-3.	0.0000
CP532644	OUT	2	NONE		-3.	0.0000
CP532647	OUT	2	NONE		-3.	0.0000
CP532642	OUT	2	NONE		-3.	0.0000
CP532643	OUT	2	NONE		-3.	0.0000
CP532641	OUT	2	NONE		-3.	0.0000
CP532646	OUT	2	NONE		-3.	0.0000
CPCON157	BRR072	6		NONE		0.0010
** FNI change - extend instream flows						
** Brazos River near Rosharon						
**CPBRR072	532701	1		NONE	-3.	0.0010
CPBRR072	ROSUBS	1		NONE	-3.	0.0010
CPROSUBS	RO-DRY	2	BRR072		NONE	-3.
CPRO-DRY	RO-AVG	2	BRR072		NONE	-3.
CPRO-AVG	RO-WET	2	BRR072		NONE	-3.
CPRO-WET	RODPUL	2	BRR072		NONE	-3.
CPRODPUL	ROASPL	2	BRR072		NONE	-3.
CPROASPL	ROWSPL	2	BRR072		NONE	-3.
CPROWSPL	532701	2	BRR072		NONE	-3. 0.0010
**						
CP000041	532701	2	NONE		NONE	-3. 0.0000
CP000042	532701	2	NONE		NONE	-3. 0.0000
CP000043	532701	2	NONE		NONE	-3. 0.0000
CP532701	532801	6		NONE		0.0030

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CP549201	549231	6	NONE		0.0000
CP532801	536601	6	NONE		0.0000
CP536501	CON158	6	NONE		0.0010
CP536601	P41051	6	NONE		0.0020
CPP41051	536501	6	NONE		0.0010
CP536531	CON158	6		401041	0.0000
CP410541	OUT	2	NONE	401041	-3. 0.0000
CP536542	OUT	2	NONE	NONE	-3. 0.0000
CP536541	OUT	2	NONE	401041	-3. 0.0000
CP532841	OUT	2	NONE		-3. 0.0000
CP549231	CON158	6			0.0000
CPCON158	532901	6	NONE		0.0020
CP103121	532901	2	NONE	NONE	-3. 0.0000
CP532901	533001	6		NONE	0.0000
CP533001	W12012	6		NONE	0.0000
CPW12012	532802	6		NONE	0.0000
CP532941	OUT	2	NONE	401041	-3. 0.0000
CP533041	OUT	2	NONE	401041	-3. 0.0000
CP532802	536602	6		NONE	0.0000
CP532851	532804	2	NONE	NONE	-3. 0.0000
CP532842	OUT	2	NONE		-3. 0.0000
CP532862	OUT	2	NONE	NONE	-3. 0.0000
CP532863	OUT	2	NONE	NONE	-3. 0.0000
CP532854	532804	2	NONE	NONE	-3. 0.0000
CP532804	532831	6		NONE	0.0000
CP536651	532804	2	NONE	NONE	-3. 0.0000
CP536652	532804	2	NONE	NONE	-3. 0.0000
CP532852	532804	2	NONE	NONE	-3. 0.0000
CP536654	532804	2	NONE	NONE	-3. 0.0000
** FNI change - Bryan and College Station reuse					
**CPCON238	533201	6	NONE		0.0040
CPCON238	591201	6	NONE		0.0030
CP591201	533201	6	NONE		0.0010
**					
CP536602	CON238	6	NONE		0.0020
CP532831	CON238	6		401041	0.0000
CP100471	533201	2	NONE	NONE	-3. 0.0000
CP000074	533201	2	NONE	NONE	-3. 0.0000
CP000072	533201	2	NONE	NONE	-3. 0.0000
CP000073	533201	2	NONE	NONE	-3. 0.0000
CP000071	533201	2	NONE	NONE	-3. 0.0000
CP108821	533201	2	NONE	NONE	-3. 0.0000
CP018522	533201	2	NONE	NONE	-3. 0.0000
CP533201	W12011	6		NONE	0.0010
CPW12011	BRGM73	6		NONE	0.0000
CPBRGM73	OUT	1		NONE	-3. 0.0000
CP532531	511501	6			0.0000
CP532505	532531	6		NONE	0.0000
CP517351	511501	2	NONE	NONE	-3. 0.0000
CP102582	511501	2	NONE	NONE	-3. 0.0000
CP133551	010384	2	NONE	NONE	-3. 0.0000
CP141401	511501	2	NONE	NONE	-3. 0.0000
CPW12091	CON147	6		NONE	0.0000
CPW12452	CON237	6		NONE	0.0000
CP030151	517031	2	NONE	NONE	-3. 0.0000
CP516852	517031	2	NONE	NONE	-3. 0.0000
CP516751	517031	2	NONE	NONE	-3. 0.0000
CP517031	516931	6		401041	0.0000
CP516931	517032	6		NONE	0.0000
CP517032	516932	6		NONE	0.0000
CP516932	517033	6		NONE	0.0000
CP517033	516933	6		NONE	0.0000
CP516933	517034	6		NONE	0.0000
CP517034	516934	6		NONE	0.0000
CP516934	004421	6		NONE	0.0000
CP517007	517035	6		NONE	0.0000
CP004421	018931	2	NONE	NONE	-3. 0.0000
CP018931	004422	2	NONE	NONE	-3. 0.0000
CP004422	517007	2	NONE	NONE	-3. 0.0000
CP517035	516935	6		NONE	0.0000
CP516935	517037	6		NONE	0.0000
CP517036	516936	6		NONE	0.0000
CP516936	517037	6		NONE	0.0000
CP517037	516937	6		401041	0.0000
CP516937	516901	6		NONE	0.0000
CP516901	533601	6		401041	0.0000
CP533501	533531	6		NONE	0.0000
CP533531	533601	6		401041	0.0000
CP533601	533502	6		NONE	0.0000
CP533502	533532	6		NONE	0.0000
CP533641	OUT	2	NONE	NONE	-3. 0.0000
CP533642	OUT	2	NONE	401041	-3. 0.0000
CP533741	OUT	2	NONE	401041	-3. 0.0000
CP533532	110461	6		NONE	0.0000

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CP5365P1	138041	6		401041		0.0000
CP516851	OUT	2	NONE	NONE	-3.	0.0000
CP516752	OUT	2	NONE	NONE	-3.	0.0000
CP119991	138041	2	NONE	NONE	-3.	0.0000
CP532251	OUT	2	NONE	NONE	-3.	0.0000
CP532241	OUT	2	NONE	401041	-3.	0.0000
CP138041	536653	2	NONE	NONE	-3.	0.0000
CP532861	OUT	2	NONE	NONE	-3.	0.0000
CP536661	OUT	2	NONE	NONE	-3.	0.0000
CP532853	533821	2	NONE	NONE	-3.	0.0000
CP536653	532853	2	NONE	NONE	-3.	0.0000
CP105481	533821	2	NONE	NONE	-3.	0.0000
CP533821	532803	6		NONE		0.0000
CP533841	OUT	2	NONE	401041	-3.	0.0000
CP537931	532803	6		401041		0.0000
CP532803	532832	6		NONE		0.0000
CP532832	536603	6		401041		0.0000
CP536603	536632	6		NONE		0.0000
CP536632	533811	6		NONE		0.0000
CP533811	100441	6		NONE		0.0000
CP100441	SJGMC4	2	NONE	NONE	-3.	0.0000
CP100861	110461	2	NONE	NONE	-3.	0.0000
CP110461	138041	2	NONE	NONE	-3.	0.0000
CP532242	OUT	2	NONE	401041	-3.	0.0000
CP420101	420153	6		NONE		0.0000
CP420153	420152	2	NONE	NONE	-3.	0.0000
CP420152	420102	2	NONE	NONE	-3.	0.0000
CP420102	420151	6		NONE		0.0000
CP420151	534401	2	NONE	NONE	-3.	0.0000
CP534401	P42211	6		NONE		0.0000
CP532243	OUT	2	NONE	401041	-3.	0.0000
CP534442	OUT	2	NONE	401041	-3.	0.0000
CP534441	OUT	2	NONE	NONE	-3.	0.0000
CP534445	OUT	2	NONE	NONE	-3.	0.0000
CP534444	OUT	2	NONE	NONE	-3.	0.0000
CP534443	OUT	2	NONE	NONE	-3.	0.0000
CPP42211	422131	6		NONE		0.0000
CP422131	422151	6		NONE		0.0000
CP422151	P40101	2	NONE	NONE	-3.	0.0000
CP422141	OUT	2	NONE	401041	-3.	0.0000
CP401041	OUT	2	NONE		-3.	0.0000
CP534541	OUT	2	NONE	401041	-3.	0.0000
CP534543	OUT	2	NONE	NONE	-3.	0.0000
CP534542	OUT	2	NONE	401041	-3.	0.0000
CP534544	OUT	2	NONE	NONE	-3.	0.0000
CPP40101	534501	6		NONE		0.0000
CP534501	525651	6		NONE		0.0000
CP525651	525601	2	NONE	NONE	-3.	0.0000
CP525642	OUT	2	NONE	401041	-3.	0.0000
CP525641	OUT	2	NONE	NONE	-3.	0.0000
CP525643	OUT	2	NONE	NONE	-3.	0.0000
CP525644	OUT	2	NONE	NONE	-3.	0.0000
CP031161	000011	2	NONE	NONE	-3.	0.0000
CP525601	534601	6		NONE		0.0000
CP534601	P42162	6		NONE		0.0000
CPP42162	525652	6		NONE		0.0000
CP421603	421651	6		NONE		0.0000
CP534701	534801	6		NONE		0.0000
CP534641	OUT	2	NONE	NONE	-3.	0.0000
CP525652	421603	2	NONE	NONE	-3.	0.0000
CP421651	534701	2	NONE	NONE	-3.	0.0000
CP421641	OUT	2	NONE	401041	-3.	0.0000
CP421642	OUT	2	NONE	NONE	-3.	0.0000
CP421643	OUT	2	NONE	NONE	-3.	0.0000
CPP42161	421631	6		NONE		0.0000
CP421631	421652	6		401041		0.0000
CP421652	534801	2	NONE	NONE	-3.	0.0000
CP421541	OUT	2	NONE	401041	-3.	0.0000
CP534801	P42151	6		NONE		0.0000
CPP42151	525653	6		NONE		0.0000
CP525653	421551	2	NONE	NONE	-3.	0.0000
CP421551	CON241	2	NONE	NONE	-3.	0.0000
CP506441	OUT	2	NONE	401041	-3.	0.0000
CP506442	OUT	2	NONE	NONE	-3.	0.0000
CP506443	OUT	2	NONE	NONE	-3.	0.0000
CP506444	OUT	2	NONE	NONE	-3.	0.0000
CP506404	506401	6		NONE		0.0000
CP506401	506402	6		NONE		0.0000
CP506402	P41321	6		NONE		0.0000
CP506403	P41321	6		NONE		0.0000
CP413241	OUT	2	NONE	401041	-3.	0.0000
CPP41321	534603	6		NONE		0.0000
CP534644	OUT	2	NONE	NONE	-3.	0.0000
CP534943	OUT	2	NONE	NONE	-3.	0.0000

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CP534941	OUT	2	NONE	NONE	-3.	0.0000
CP534942	OUT	2	NONE	NONE	-3.	0.0000
CP534603	534902	6		NONE		0.0000
CP534902	534903	6		NONE		0.0000
CP534903	534931	6		NONE		0.0000
CP534931	534901	6		401041		0.0000
CP534944	OUT	2	NONE	401041	-3.	0.0000
CP534643	OUT	2	NONE	NONE	-3.	0.0000
CP534642	OUT	2	NONE	401041	-3.	0.0000
CP534901	534602	6		NONE		0.0000
CP534602	534301	6		NONE		0.0000
CP534301	CON241	6		NONE		0.0000
CPCON241	535101	6		NONE		0.0000
CP502341	OUT	2	NONE	401041	-3.	0.0000
CP535142	OUT	2	NONE	NONE	-3.	0.0000
CP535141	OUT	2	NONE	401041	-3.	0.0000
CP535101	535201	6		NONE		0.0000
CP502301	535201	6		NONE		0.0000
CP502351	535201	2	NONE	NONE	-3.	0.0000
CP535201	CON243	6		NONE		0.0000
CP535247	OUT	2	NONE	NONE	-3.	0.0000
CP535246	OUT	2	NONE	NONE	-3.	0.0000
CP535242	OUT	2	NONE	NONE	-3.	0.0000
CP535241	OUT	2	NONE	NONE	-3.	0.0000
CP535245	OUT	2	NONE	NONE	-3.	0.0000
CP535243	OUT	2	NONE	401041	-3.	0.0000
CP535244	OUT	2	NONE	401041	-3.	0.0000
CP534341	OUT	2	NONE	401041	-3.	0.0000
CP534303	534302	6		NONE		0.0000
CP534302	534331	6		NONE		0.0000
CP534331	534304	6		401041		0.0000
CP534304	502302	6		NONE		0.0000
CP502302	502352	6		NONE		0.0000
CP502352	CON242	2	NONE	NONE	-3.	0.0000
CP502041	OUT	2	NONE	401041	-3.	0.0000
CP534241	OUT	2	NONE	401041	-3.	0.0000
CP502001	534121	6		NONE		0.0000
CP534121	534201	6		NONE		0.0000
CP534201	534111	6		NONE		0.0000
CP534111	CON242	6		NONE		0.0000
CPCON242	CON243	6		NONE		0.0000
CPCON243	SJGMC4	6		NONE		0.0000
CP535301	SJGMC4	6		NONE		0.0000
CP535341	OUT	2	NONE	NONE	-3.	0.0000
CP533931	534001	6		NONE		0.0000
CP534001	534002	6		NONE		0.0000
CP534002	SJGMC4	6		NONE		0.0000
CP534042	OUT	2	NONE	NONE	-3.	0.0000
CP534041	OUT	2	NONE	NONE	-3.	0.0000
CP535401	535501	6		NONE		0.0000
CP535501	CBALC2	6		NONE		0.0000
CP535541	OUT	2	NONE	401041	-3.	0.0000
CP535601	535701	6		NONE		0.0000
CP542901	013331	6		NONE		0.0000
CP535743	OUT	2	NONE	NONE	-3.	0.0000
CP532141	OUT	2	NONE	NONE	-3.	0.0000
CP000011	013331	2	NONE	NONE	-3.	0.0000
CP542941	OUT	2	NONE	NONE	-3.	0.0000
CP535841	OUT	2	NONE	NONE	-3.	0.0000
CP013331	SJGMC4	2	NONE	NONE	-3.	0.0000
CP535901	536001	6		NONE		0.0000
CP100051	535702	2	NONE	NONE	-3.	0.0000
CP536001	535702	6		NONE		0.0000
CP535702	SJGMC4	6		NONE		0.0000
CP535742	OUT	2	NONE	401041	-3.	0.0000
CP535741	OUT	2	NONE	401041	-3.	0.0000
CP535703	SJGMC4	6		NONE		0.0000
CP034161	557401	2	NONE	NONE	-3.	0.0000
CP034162	557401	2	NONE	NONE	-3.	0.0000
CP557401	536201	6		NONE		0.0000
CP536201	101731	6		NONE		0.0000
CP536231	536202	6		401041		0.0000
CP557441	OUT	2	NONE	401041	-3.	0.0000
CP536202	101731	6		NONE		0.0000
CP101731	SJGBC3	2	NONE	NONE	-3.	0.0000
CP516841	OUT	2	NONE		-3.	0.0000
CP106271	010501	2	NONE	NONE	-3.	0.0000
CP536303	SJGBC3	6		NONE		0.0000
CP536302	SJGBC3	6		NONE		0.0000
CP517851	540051	2	NONE	NONE	-3.	0.0000
CP010501	536351	2	NONE	NONE	-3.	0.0000
CP536351	SJGBC3	2	NONE	NONE	-3.	0.0000
CP536301	SJGBC3	6		NONE		0.0000
CP012631	SJGBC3	2	NONE	NONE	-3.	0.0000

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CP103751	SJGBC3	2	NONE	NONE	-3.	0.0000
CP101741	SJGMC4	2	NONE	NONE	-3.	0.0000
CP106901	SJGMC4	2	NONE	NONE	-3.	0.0000
CP104101	SJGMC4	2	NONE	NONE	-3.	0.0000
CP010402	SJGMC4	2	NONE	NONE	-3.	0.0000
CP004432	SJGMC4	2	NONE	NONE	-3.	0.0000
CP004491	SJGMC4	2	NONE	NONE	-3.	0.0000
CP014851	SJGMC4	2	NONE	NONE	-3.	0.0000
CP026701	SJGMC4	2	NONE	NONE	-3.	0.0000
CP004431	SJGMC4	2	NONE	NONE	-3.	0.0000
CP009901	SJGMC4	2	NONE	NONE	-3.	0.0000
CP005754	SJGMC4	2	NONE	NONE	-3.	0.0000
CP005752	SJGMC4	2	NONE	NONE	-3.	0.0000
CP005753	SJGMC4	2	NONE	NONE	-3.	0.0000
CP536101	SJGMC4	6		NONE		0.0000
CP536154	SJGMC4	2	NONE	NONE	-3.	0.0000
CP536153	SJGMC4	2	NONE	NONE	-3.	0.0000
CP536152	SJGMC4	2	NONE	NONE	-3.	0.0000
CP536151	SJGMC4	2	NONE	NONE	-3.	0.0000
CP101343	CLPEC1	2	NONE	NONE	-3.	0.0000
CP122951	CLPEC1	2	NONE	NONE	-3.	0.0000
CP536941	OUT	2	NONE	401041	-3.	0.0000
CPCLPEC1	536901	1		NONE	-3.	0.0000
CP104952	536901	2	NONE	NONE	-3.	0.0000
CP536901	536951	6		NONE		0.0000
CP536951	536402	2	NONE	NONE	-3.	0.0000
CP536402	101341	6		NONE		0.0000
CP101341	536401	2	NONE	NONE	-3.	0.0000
CP536401	101342	6		NONE		0.0000
CP104951	115711	2	NONE	NONE	-3.	0.0000
CP115711	105685	2	NONE	NONE	-3.	0.0000
CP518301	105685	6		NONE		0.0000
CP518331	518301	6		401041		0.0000
CP105201	105685	2	NONE	NONE	-3.	0.0000
CP105685	535001	2	NONE	NONE	-3.	0.0000
CP010442	010441	2	NONE	NONE	-3.	0.0000
CP535002	010444	6		NONE		0.0000
CP010444	540051	2	NONE	NONE	-3.	0.0000
CP540001	010443	6		NONE		0.0000
CP517801	101731	6		NONE		0.0000
CP105391	010441	2	NONE	NONE	-3.	0.0000
CP535001	010443	6		NONE		0.0000
CP010443	105261	2	NONE	NONE	-3.	0.0000
CP105261	105262	2	NONE	NONE	-3.	0.0000
CP105262	010442	2	NONE	NONE	-3.	0.0000
CP540051	010442	2	NONE	NONE	-3.	0.0000
CP010441	SJGBC3	2	NONE	NONE	-3.	0.0000
CP106711	SJGBC3	2	NONE	NONE	-3.	0.0000
CP540041	OUT	2	NONE	NONE	-3.	0.0000
CP540042	OUT	2	NONE	NONE	-3.	0.0000
CP540045	OUT	2	NONE	NONE	-3.	0.0000
CP540044	OUT	2	NONE	NONE	-3.	0.0000
CP540043	OUT	2	NONE	NONE	-3.	0.0000
CP540046	OUT	2	NONE	401041	-3.	0.0000
CP523043	OUT	2	NONE	NONE	-3.	0.0000
CP523042	OUT	2	NONE	NONE	-3.	0.0000
CP523041	OUT	2	NONE	401041	-3.	0.0000
CP523001	010441	6		NONE		0.0000
CP559141	OUT	2	NONE	401041	-3.	0.0000
CP021821	559101	2	NONE	NONE	-3.	0.0000
CP029151	559101	2	NONE	NONE	-3.	0.0000
CP559101	010441	6		NONE		0.0000
CP010541	SJGBC3	2	NONE	NONE	-3.	0.0000
CP010281	SJGBC3	2	NONE	NONE	-3.	0.0000
CP102061	SJGBC3	2	NONE	NONE	-3.	0.0000
CP533403	SJGMC4	6		NONE		0.0000
CP533405	548501	6		NONE		0.0000
CP022161	548501	2	NONE	NONE	-3.	0.0000
CP018711	548501	2	NONE	NONE	-3.	0.0000
CP018714	548501	2	NONE	NONE	-3.	0.0000
CP018716	548501	2	NONE	NONE	-3.	0.0000
CP019611	548501	2	NONE	NONE	-3.	0.0000
CP018611	548501	2	NONE	NONE	-3.	0.0000
CP018061	548501	2	NONE	NONE	-3.	0.0000
CP018612	548501	2	NONE	NONE	-3.	0.0000
CP018781	548501	2	NONE	NONE	-3.	0.0000
CP533331	548501	6		NONE		0.0000
CP548501	533401	6		NONE		0.0000
CP533401	533402	6		NONE		0.0000
CP533402	548502	6		NONE		0.0000
CP548502	SJGMC4	6		NONE		0.0000
CP533404	533403	6		NONE		0.0000
CPSJGMC4	OUT	1		NONE	-3.	0.0000
CPSJGBC3	OUT	1		NONE	-3.	0.0000

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CPIB4128	OUT	2	NONE	NONE	-3.	0.0000		
CPIB5287	OUT	2	NONE	NONE	-3.	0.0000		
CPIB5291	OUT	2	NONE	NONE	-3.	0.0000		
CPD34583	W12311	6		345831		0.0000		
CPD56771	OUT	2	NONE	NONE	-3.	0.0000		
CPD53251	OUT	2	NONE	NONE	-3.	0.0000		
**								
** SysOp Change:								
** Dummy control point for modeling system operation								
** PK :								
CPSR5155	OUT	2	NONE	NONE	-3.	0.0000		
CP5155DP	OUT	2	NONE	NONE	-3.	0.0000		
** Granbury:								
CPSR5156	OUT	2	NONE	NONE	-3.	0.0000		
CP5156DP	OUT	2	NONE	NONE	-3.	0.0000		
** Whitney:								
CPSR5157	OUT	2	NONE	NONE	-3.	0.0000		
CP5157DP	OUT	2	NONE	NONE	-3.	0.0000		
** Aquila:								
CPSR5158	OUT	2	NONE	NONE	-3.	0.0000		
CP5158DP	OUT	2	NONE	NONE	-3.	0.0000		
** Proctor:								
CPSR5159	OUT	2	NONE	NONE	-3.	0.0000		
CP5159DP	OUT	2	NONE	NONE	-3.	0.0000		
** Belton:								
CPSR5160	OUT	2	NONE	NONE	-3.	0.0000		
CP5160DP	OUT	2	NONE	NONE	-3.	0.0000		
** Stillhouse Hollow:								
CPSR5161	OUT	2	NONE	NONE	-3.	0.0000		
CP5161DP	OUT	2	NONE	NONE	-3.	0.0000		
** Georgetown:								
CPSR5162	OUT	2	NONE	NONE	-3.	0.0000		
CP5162DP	OUT	2	NONE	NONE	-3.	0.0000		
** Granger:								
CPSR5163	OUT	2	NONE	NONE	-3.	0.0000		
CP5163DP	OUT	2	NONE	NONE	-3.	0.0000		
** Somerville:								
CPSR5164	OUT	2	NONE	NONE	-3.	0.0000		
CP5164DP	OUT	2	NONE	NONE	-3.	0.0000		
** Limestone:								
CPSR5165	OUT	2	NONE	NONE	-3.	0.0000		
CP5165DP	OUT	2	NONE	NONE	-3.	0.0000		
** Allens creek:								
CPSR2925	OUT	2	NONE	NONE	-3.	0.0000		
CP2925DP	OUT	2	NONE	NONE	-3.	0.0000		
**								
CPBIGFLO	OUT	2	NONE	NONE	-3.	0.0000		
CPPK_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
CPGB_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
CPPR_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
CPWH_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
CPAQ_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
CPBE_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
CPSH_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
CPGT_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
CPGR_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
CPSO_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
CPLS_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
CPAC_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
** Pipelines								
CPSHGTP1	OUT	2	NONE	NONE	-3.	0.0000		
CPDUMBEL	OUT	2	NONE	NONE	-3.	0.0000		
CPGNGTPI	OUT	2	NONE	NONE	-3.	0.0000		
** dummy control points for Lake Alcoa & Gibbons Creek backup								
CPAL_DUM	OUT	2	NONE	NONE	-3.	0.0000		
CPGIBLIM	OUT	2	NONE	NONE	-3.	0.0000		
CPDUMGIB	OUT	2	NONE	NONE	-3.	0.0000		
**								
** dummy for Allens Creek monthly pumping limit								
CPAC_LIM	OUT	2	NONE	NONE	-3.	0.0000		
**								
** EFLOW CPS DOUBLE MOUNTAIN FORK								
CPFAKE01	OUT	2	NONE	NONE	-3.			
CPFKDM01	OUT	2	NONE	NONE	-3.			
CPFKDM02	OUT	2	NONE	NONE	-3.			
CPFKDM03	OUT	2	NONE	NONE	-3.			
CPFKDM04	OUT	2	NONE	NONE	-3.			
CPFKDM05	OUT	2	NONE	NONE	-3.			
CPFKDM06	OUT	2	NONE	NONE	-3.			
CPFKDM07	OUT	2	NONE	NONE	-3.			
CPFKDM08	OUT	2	NONE	NONE	-3.			
CPFKDM09	OUT	2	NONE	NONE	-3.			
CPFKDM10	OUT	2	NONE	NONE	-3.			
CPFKDM11	OUT	2	NONE	NONE	-3.			

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CPFKDM12	OUT	2	NONE	NONE	-3.
CPDMDPND	OUT	2	NONE	NONE	-3.
CPDMAFND	OUT	2	NONE	NONE	-3.
CPDMWFND	OUT	2	NONE	NONE	-3.
CPDAYSPY	OUT	2	NONE	NONE	-3.
CP HALF	OUT	2	NONE	NONE	-3.
**					
CPUP-DRY	OUT	2	NONE	NONE	-3.
CPUP-AVG	OUT	2	NONE	NONE	-3.
CPUP-WET	OUT	2	NONE	NONE	-3.
CPMIDDRY	OUT	2	NONE	NONE	-3.
CPMIDAVG	OUT	2	NONE	NONE	-3.
CPMIDWET	OUT	2	NONE	NONE	-3.
CPLOWDRY	OUT	2	NONE	NONE	-3.
CPLOWAVG	OUT	2	NONE	NONE	-3.
CPLOWWET	OUT	2	NONE	NONE	-3.
CPDMNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS SALT FORK NEAR ASPERMONT					
CPFAKE02	OUT	2	NONE	NONE	-3.
CPFKSF01	OUT	2	NONE	NONE	-3.
CPFKSF02	OUT	2	NONE	NONE	-3.
CPFKSF03	OUT	2	NONE	NONE	-3.
CPFKSF04	OUT	2	NONE	NONE	-3.
CPFKSF05	OUT	2	NONE	NONE	-3.
CPFKSF06	OUT	2	NONE	NONE	-3.
CPFKSF07	OUT	2	NONE	NONE	-3.
CPFKSF08	OUT	2	NONE	NONE	-3.
CPFKSF09	OUT	2	NONE	NONE	-3.
CPFKSF10	OUT	2	NONE	NONE	-3.
CPFKSF11	OUT	2	NONE	NONE	-3.
CPFKSF12	OUT	2	NONE	NONE	-3.
CPSFDPND	OUT	2	NONE	NONE	-3.
CPSFAFND	OUT	2	NONE	NONE	-3.
CPSFWPND	OUT	2	NONE	NONE	-3.
CPSFNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT SEYMOUR					
CPFAKE03	OUT	2	NONE	NONE	-3.
CPFKSM01	OUT	2	NONE	NONE	-3.
CPFKSM02	OUT	2	NONE	NONE	-3.
CPFKSM03	OUT	2	NONE	NONE	-3.
CPFKSM04	OUT	2	NONE	NONE	-3.
CPFKSM05	OUT	2	NONE	NONE	-3.
CPFKSM06	OUT	2	NONE	NONE	-3.
CPFKSM07	OUT	2	NONE	NONE	-3.
CPFKSM08	OUT	2	NONE	NONE	-3.
CPFKSM09	OUT	2	NONE	NONE	-3.
CPFKSM10	OUT	2	NONE	NONE	-3.
CPFKSM11	OUT	2	NONE	NONE	-3.
CPFKSM12	OUT	2	NONE	NONE	-3.
CPSMDPND	OUT	2	NONE	NONE	-3.
CPSMAFND	OUT	2	NONE	NONE	-3.
CPSMWPNND	OUT	2	NONE	NONE	-3.
CPSMNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS CLEAR FORK AT NUGENT					
CPFAKE04	OUT	2	NONE	NONE	-3.
CPFKNU01	OUT	2	NONE	NONE	-3.
CPFKNU02	OUT	2	NONE	NONE	-3.
CPFKNU03	OUT	2	NONE	NONE	-3.
CPFKNU04	OUT	2	NONE	NONE	-3.
CPFKNU05	OUT	2	NONE	NONE	-3.
CPFKNU06	OUT	2	NONE	NONE	-3.
CPFKNU07	OUT	2	NONE	NONE	-3.
CPFKNU08	OUT	2	NONE	NONE	-3.
CPFKNU09	OUT	2	NONE	NONE	-3.
CPFKNU10	OUT	2	NONE	NONE	-3.
CPFKNU11	OUT	2	NONE	NONE	-3.
CPFKNU12	OUT	2	NONE	NONE	-3.
CPFKNU13	OUT	2	NONE	NONE	-3.
CPNUPND	OUT	2	NONE	NONE	-3.
CPNUAFND	OUT	2	NONE	NONE	-3.
CPNUWFND	OUT	2	NONE	NONE	-3.
CPNUNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS CLEAR FORK AT LUEDERS					
CPFAKE05	OUT	2	NONE	NONE	-3.
CPFKLU01	OUT	2	NONE	NONE	-3.
CPFKLU02	OUT	2	NONE	NONE	-3.
CPFKLU03	OUT	2	NONE	NONE	-3.
CPFKLU04	OUT	2	NONE	NONE	-3.
CPFKLU05	OUT	2	NONE	NONE	-3.
CPFKLU06	OUT	2	NONE	NONE	-3.
CPFKLU07	OUT	2	NONE	NONE	-3.
CPFKLU08	OUT	2	NONE	NONE	-3.
CPFKLU09	OUT	2	NONE	NONE	-3.
CPFKLU10	OUT	2	NONE	NONE	-3.

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CPFKLU11	OUT	2	NONE	NONE	-3.
CPFKLU12	OUT	2	NONE	NONE	-3.
CPFKLU13	OUT	2	NONE	NONE	-3.
CPLUDFND	OUT	2	NONE	NONE	-3.
CPLUAFND	OUT	2	NONE	NONE	-3.
CPLUWFND	OUT	2	NONE	NONE	-3.
CPLUNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT SOUTH BEND					
CPFAKE06	OUT	2	NONE	NONE	-3.
CPFKSB01	OUT	2	NONE	NONE	-3.
CPFKSB02	OUT	2	NONE	NONE	-3.
CPFKSB03	OUT	2	NONE	NONE	-3.
CPFKSB04	OUT	2	NONE	NONE	-3.
CPFKSB05	OUT	2	NONE	NONE	-3.
CPFKSB06	OUT	2	NONE	NONE	-3.
CPFKSB07	OUT	2	NONE	NONE	-3.
CPFKSB08	OUT	2	NONE	NONE	-3.
CPFKSB09	OUT	2	NONE	NONE	-3.
CPFKSB10	OUT	2	NONE	NONE	-3.
CPFKSB11	OUT	2	NONE	NONE	-3.
CPFKSB12	OUT	2	NONE	NONE	-3.
CPSBDFND	OUT	2	NONE	NONE	-3.
CPSBAFND	OUT	2	NONE	NONE	-3.
CPSBWFND	OUT	2	NONE	NONE	-3.
CPSBNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT PALO PINTO					
CPFAKE07	OUT	2	NONE	NONE	-3.
CPFKPP01	OUT	2	NONE	NONE	-3.
CPFKPP02	OUT	2	NONE	NONE	-3.
CPFKPP03	OUT	2	NONE	NONE	-3.
CPFKPP04	OUT	2	NONE	NONE	-3.
CPFKPP05	OUT	2	NONE	NONE	-3.
CPFKPP06	OUT	2	NONE	NONE	-3.
CPFKPP07	OUT	2	NONE	NONE	-3.
CPFKPP08	OUT	2	NONE	NONE	-3.
CPFKPP09	OUT	2	NONE	NONE	-3.
CPFKPP10	OUT	2	NONE	NONE	-3.
CPFKPP11	OUT	2	NONE	NONE	-3.
CPFKPP12	OUT	2	NONE	NONE	-3.
CPFKPP13	OUT	2	NONE	NONE	-3.
CPFKPP14	OUT	2	NONE	NONE	-3.
CPFKPP15	OUT	2	NONE	NONE	-3.
CPFKPP16	OUT	2	NONE	NONE	-3.
CPFKPP17	OUT	2	NONE	NONE	-3.
CPFKPP18	OUT	2	NONE	NONE	-3.
CPFKPP19	OUT	2	NONE	NONE	-3.
CPFKPP20	OUT	2	NONE	NONE	-3.
CPFKPP21	OUT	2	NONE	NONE	-3.
CPPPDPND	OUT	2	NONE	NONE	-3.
CPPPASPD	OUT	2	NONE	NONE	-3.
CPPPALPD	OUT	2	NONE	NONE	-3.
CPPPWSPD	OUT	2	NONE	NONE	-3.
CPPPWLPD	OUT	2	NONE	NONE	-3.
CPPPNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT GLEN ROSE					
CPFAKE08	OUT	2	NONE	NONE	-3.
CPFKGR01	OUT	2	NONE	NONE	-3.
CPFKGR02	OUT	2	NONE	NONE	-3.
CPFKGR03	OUT	2	NONE	NONE	-3.
CPFKGR04	OUT	2	NONE	NONE	-3.
CPFKGR05	OUT	2	NONE	NONE	-3.
CPFKGR06	OUT	2	NONE	NONE	-3.
CPFKGR07	OUT	2	NONE	NONE	-3.
CPFKGR08	OUT	2	NONE	NONE	-3.
CPFKGR09	OUT	2	NONE	NONE	-3.
CPFKGR10	OUT	2	NONE	NONE	-3.
CPFKGR11	OUT	2	NONE	NONE	-3.
CPFKGR12	OUT	2	NONE	NONE	-3.
CPFKGR13	OUT	2	NONE	NONE	-3.
CPFKGR14	OUT	2	NONE	NONE	-3.
CPFKGR15	OUT	2	NONE	NONE	-3.
CPFKGR16	OUT	2	NONE	NONE	-3.
CPFKGR17	OUT	2	NONE	NONE	-3.
CPFKGR18	OUT	2	NONE	NONE	-3.
CPFKGR19	OUT	2	NONE	NONE	-3.
CPFKGR20	OUT	2	NONE	NONE	-3.
CPFKGR21	OUT	2	NONE	NONE	-3.
CPGRDPND	OUT	2	NONE	NONE	-3.
CPGRASPD	OUT	2	NONE	NONE	-3.
CPGRALPD	OUT	2	NONE	NONE	-3.
CPGRWSPD	OUT	2	NONE	NONE	-3.
CPGRWLPD	OUT	2	NONE	NONE	-3.
CPGRNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS NORTH BOSQUE NEAR CLIFTON					

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CPFAKE09	OUT	2	NONE	NONE	-3.
CPFKNB01	OUT	2	NONE	NONE	-3.
CPFKNB02	OUT	2	NONE	NONE	-3.
CPFKNB03	OUT	2	NONE	NONE	-3.
CPFKNB04	OUT	2	NONE	NONE	-3.
CPFKNB05	OUT	2	NONE	NONE	-3.
CPFKNB06	OUT	2	NONE	NONE	-3.
CPFKNB07	OUT	2	NONE	NONE	-3.
CPFKNB08	OUT	2	NONE	NONE	-3.
CPFKNB09	OUT	2	NONE	NONE	-3.
CPFKNB10	OUT	2	NONE	NONE	-3.
CPFKNB11	OUT	2	NONE	NONE	-3.
CPFKNB12	OUT	2	NONE	NONE	-3.
CPFKNB13	OUT	2	NONE	NONE	-3.
CPNBDFND	OUT	2	NONE	NONE	-3.
CPNBAPND	OUT	2	NONE	NONE	-3.
CPNBWFND	OUT	2	NONE	NONE	-3.
CPNBNOB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT WACO					
CPFAKE10	OUT	2	NONE	NONE	-3.
CPFKWA01	OUT	2	NONE	NONE	-3.
CPFKWA02	OUT	2	NONE	NONE	-3.
CPFKWA03	OUT	2	NONE	NONE	-3.
CPFKWA04	OUT	2	NONE	NONE	-3.
CPFKWA05	OUT	2	NONE	NONE	-3.
CPFKWA06	OUT	2	NONE	NONE	-3.
CPFKWA07	OUT	2	NONE	NONE	-3.
CPFKWA08	OUT	2	NONE	NONE	-3.
CPFKWA09	OUT	2	NONE	NONE	-3.
CPFKWA10	OUT	2	NONE	NONE	-3.
CPFKWA11	OUT	2	NONE	NONE	-3.
CPFKWA12	OUT	2	NONE	NONE	-3.
CPFKWA13	OUT	2	NONE	NONE	-3.
CPWADPND	OUT	2	NONE	NONE	-3.
CPWAASPD	OUT	2	NONE	NONE	-3.
CPWAWSPD	OUT	2	NONE	NONE	-3.
CPWANOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS LEON RIVER AT GATESVILLE					
CPFAKE11	OUT	2	NONE	NONE	-3.
CPFKGT01	OUT	2	NONE	NONE	-3.
CPFKGT02	OUT	2	NONE	NONE	-3.
CPFKGT03	OUT	2	NONE	NONE	-3.
CPFKGT04	OUT	2	NONE	NONE	-3.
CPFKGT05	OUT	2	NONE	NONE	-3.
CPFKGT06	OUT	2	NONE	NONE	-3.
CPFKGT07	OUT	2	NONE	NONE	-3.
CPFKGT08	OUT	2	NONE	NONE	-3.
CPFKGT09	OUT	2	NONE	NONE	-3.
CPFKGT10	OUT	2	NONE	NONE	-3.
CPFKGT11	OUT	2	NONE	NONE	-3.
CPFKGT12	OUT	2	NONE	NONE	-3.
CPFKGT13	OUT	2	NONE	NONE	-3.
CPGTFDND	OUT	2	NONE	NONE	-3.
CPGTASPD	OUT	2	NONE	NONE	-3.
CPGTWSPD	OUT	2	NONE	NONE	-3.
CPGTNOB	OUT	2	NONE	NONE	-3.
** EFLOW CPS LAMPASAS RIVER NEAR KEMPNER					
CPFAKE12	OUT	2	NONE	NONE	-3.
CPFKLA01	OUT	2	NONE	NONE	-3.
CPFKLA02	OUT	2	NONE	NONE	-3.
CPFKLA03	OUT	2	NONE	NONE	-3.
CPFKLA04	OUT	2	NONE	NONE	-3.
CPFKLA05	OUT	2	NONE	NONE	-3.
CPFKLA06	OUT	2	NONE	NONE	-3.
CPFKLA07	OUT	2	NONE	NONE	-3.
CPFKLA08	OUT	2	NONE	NONE	-3.
CPFKLA09	OUT	2	NONE	NONE	-3.
CPFKLA10	OUT	2	NONE	NONE	-3.
CPFKLA11	OUT	2	NONE	NONE	-3.
CPFKLA12	OUT	2	NONE	NONE	-3.
CPFKLA13	OUT	2	NONE	NONE	-3.
CPLADPND	OUT	2	NONE	NONE	-3.
CPLAAPND	OUT	2	NONE	NONE	-3.
CPLAWPND	OUT	2	NONE	NONE	-3.
CPLANOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS LITTLE RIVER NEAR LITTLE RIVER					
CPFAKE13	OUT	2	NONE	NONE	-3.
CPFKLR01	OUT	2	NONE	NONE	-3.
CPFKLR02	OUT	2	NONE	NONE	-3.
CPFKLR03	OUT	2	NONE	NONE	-3.
CPFKLR04	OUT	2	NONE	NONE	-3.
CPFKLR05	OUT	2	NONE	NONE	-3.
CPFKLR06	OUT	2	NONE	NONE	-3.
CPFKLR07	OUT	2	NONE	NONE	-3.

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CPFKLR08	OUT	2	NONE	NONE	-3.
CPFKLR09	OUT	2	NONE	NONE	-3.
CPFKLR10	OUT	2	NONE	NONE	-3.
CPFKLR11	OUT	2	NONE	NONE	-3.
CPFKLR12	OUT	2	NONE	NONE	-3.
CPFKLR13	OUT	2	NONE	NONE	-3.
CPLRDPND	OUT	2	NONE	NONE	-3.
CPLRASPD	OUT	2	NONE	NONE	-3.
CPLRWSPD	OUT	2	NONE	NONE	-3.
CPLRNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS LITTLE RIVER NEAR CAMERON					
CPFAKE14	OUT	2	NONE	NONE	-3.
CPFKCA01	OUT	2	NONE	NONE	-3.
CPFKCA02	OUT	2	NONE	NONE	-3.
CPFKCA03	OUT	2	NONE	NONE	-3.
CPFKCA04	OUT	2	NONE	NONE	-3.
CPFKCA05	OUT	2	NONE	NONE	-3.
CPFKCA06	OUT	2	NONE	NONE	-3.
CPFKCA07	OUT	2	NONE	NONE	-3.
CPFKCA08	OUT	2	NONE	NONE	-3.
CPFKCA09	OUT	2	NONE	NONE	-3.
CPFKCA10	OUT	2	NONE	NONE	-3.
CPFKCA11	OUT	2	NONE	NONE	-3.
CPFKCA12	OUT	2	NONE	NONE	-3.
CPFKCA13	OUT	2	NONE	NONE	-3.
CPCADPND	OUT	2	NONE	NONE	-3.
CPCAASPD	OUT	2	NONE	NONE	-3.
CPCAWSPD	OUT	2	NONE	NONE	-3.
CPCANOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT BRYAN					
CPFAKE15	OUT	2	NONE	NONE	-3.
CPFKBR01	OUT	2	NONE	NONE	-3.
CPFKBR02	OUT	2	NONE	NONE	-3.
CPFKBR03	OUT	2	NONE	NONE	-3.
CPFKBR04	OUT	2	NONE	NONE	-3.
CPFKBR05	OUT	2	NONE	NONE	-3.
CPFKBR06	OUT	2	NONE	NONE	-3.
CPFKBR07	OUT	2	NONE	NONE	-3.
CPFKBR08	OUT	2	NONE	NONE	-3.
CPFKBR09	OUT	2	NONE	NONE	-3.
CPFKBR10	OUT	2	NONE	NONE	-3.
CPFKBR11	OUT	2	NONE	NONE	-3.
CPFKBR12	OUT	2	NONE	NONE	-3.
CPFKBR13	OUT	2	NONE	NONE	-3.
CPBRDPND	OUT	2	NONE	NONE	-3.
CPBRASPD	OUT	2	NONE	NONE	-3.
CPBRWSPD	OUT	2	NONE	NONE	-3.
CPBRNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS NAVASOTA RIVER NEAR EASTERLY					
CPFAKE16	OUT	2	NONE	NONE	-3.
CPFKEA01	OUT	2	NONE	NONE	-3.
CPFKEA02	OUT	2	NONE	NONE	-3.
CPFKEA03	OUT	2	NONE	NONE	-3.
CPFKEA04	OUT	2	NONE	NONE	-3.
CPFKEA05	OUT	2	NONE	NONE	-3.
CPFKEA06	OUT	2	NONE	NONE	-3.
CPFKEA07	OUT	2	NONE	NONE	-3.
CPFKEA08	OUT	2	NONE	NONE	-3.
CPFKEA09	OUT	2	NONE	NONE	-3.
CPFKEA10	OUT	2	NONE	NONE	-3.
CPFKEA11	OUT	2	NONE	NONE	-3.
CPFKEA12	OUT	2	NONE	NONE	-3.
CPFKEA13	OUT	2	NONE	NONE	-3.
CPEADPND	OUT	2	NONE	NONE	-3.
CPEAASPD	OUT	2	NONE	NONE	-3.
CPEAWSPD	OUT	2	NONE	NONE	-3.
CPEANOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT HEMPSTEAD					
CPFAKE17	OUT	2	NONE	NONE	-3.
CPFKHE01	OUT	2	NONE	NONE	-3.
CPFKHE02	OUT	2	NONE	NONE	-3.
CPFKHE03	OUT	2	NONE	NONE	-3.
CPFKHE04	OUT	2	NONE	NONE	-3.
CPFKHE05	OUT	2	NONE	NONE	-3.
CPFKHE06	OUT	2	NONE	NONE	-3.
CPFKHE07	OUT	2	NONE	NONE	-3.
CPFKHE08	OUT	2	NONE	NONE	-3.
CPFKHE09	OUT	2	NONE	NONE	-3.
CPFKHE10	OUT	2	NONE	NONE	-3.
CPFKHE11	OUT	2	NONE	NONE	-3.
CPFKHE12	OUT	2	NONE	NONE	-3.
CPFKHE13	OUT	2	NONE	NONE	-3.
CPHEDPND	OUT	2	NONE	NONE	-3.
CPHEASPD	OUT	2	NONE	NONE	-3.

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CPHEWSPD	OUT	2	NONE	NONE	-3.
CPHENOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT RICHMOND					
CPFAKE18	OUT	2	NONE	NONE	-3.
CPFKRC01	OUT	2	NONE	NONE	-3.
CPFKRC02	OUT	2	NONE	NONE	-3.
CPFKRC03	OUT	2	NONE	NONE	-3.
CPFKRC04	OUT	2	NONE	NONE	-3.
CPFKRC05	OUT	2	NONE	NONE	-3.
CPFKRC06	OUT	2	NONE	NONE	-3.
CPFKRC07	OUT	2	NONE	NONE	-3.
CPFKRC08	OUT	2	NONE	NONE	-3.
CPFKRC09	OUT	2	NONE	NONE	-3.
CPFKRC10	OUT	2	NONE	NONE	-3.
CPFKRC11	OUT	2	NONE	NONE	-3.
CPFKRC12	OUT	2	NONE	NONE	-3.
CPFKRC13	OUT	2	NONE	NONE	-3.
CPRCDFND	OUT	2	NONE	NONE	-3.
CPRCASP	OUT	2	NONE	NONE	-3.
CPRCWSPD	OUT	2	NONE	NONE	-3.
CPRCNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT ROSHARON					
CPFAKE19	OUT	2	NONE	NONE	-3.
CPFKRO01	OUT	2	NONE	NONE	-3.
CPFKRO02	OUT	2	NONE	NONE	-3.
CPFKRO03	OUT	2	NONE	NONE	-3.
CPFKRO04	OUT	2	NONE	NONE	-3.
CPFKRO05	OUT	2	NONE	NONE	-3.
CPFKRO06	OUT	2	NONE	NONE	-3.
CPFKRO07	OUT	2	NONE	NONE	-3.
CPFKRO08	OUT	2	NONE	NONE	-3.
CPFKRO09	OUT	2	NONE	NONE	-3.
CPFKRO10	OUT	2	NONE	NONE	-3.
CPFKRO11	OUT	2	NONE	NONE	-3.
CPFKRO12	OUT	2	NONE	NONE	-3.
CPFKRO13	OUT	2	NONE	NONE	-3.
CPRDPND	OUT	2	NONE	NONE	-3.
CPROASPD	OUT	2	NONE	NONE	-3.
CPROWSPD	OUT	2	NONE	NONE	-3.
CPRNOSB	OUT	2	NONE	NONE	-3.
CPHLDSB1	OUT	2	NONE	NONE	-3.
CPHLDSB2	OUT	2	NONE	NONE	-3.
** SB3 change (FNI) - add dummy CPs to record regulated flows 1 day senior to SB3 IFs					
CPDMDMAS	OUT	2	NONE	NONE	-3.
CPDMSFAS	OUT	2	NONE	NONE	-3.
CPDMRSE	OUT	2	NONE	NONE	-3.
CPDMCFNU	OUT	2	NONE	NONE	-3.
CPDMCFLU	OUT	2	NONE	NONE	-3.
CPDMBRSE	OUT	2	NONE	NONE	-3.
CPDMBRPP	OUT	2	NONE	NONE	-3.
CPDMBRGR	OUT	2	NONE	NONE	-3.
CPDMNBCL	OUT	2	NONE	NONE	-3.
CPDMBRWA	OUT	2	NONE	NONE	-3.
CPDMLGT	OUT	2	NONE	NONE	-3.
CPDMLAKE	OUT	2	NONE	NONE	-3.
CPDMLRLR	OUT	2	NONE	NONE	-3.
CPDMLRCA	OUT	2	NONE	NONE	-3.
CPDMBRBR	OUT	2	NONE	NONE	-3.
CPDMNAEA	OUT	2	NONE	NONE	-3.
CPDMBRHE	OUT	2	NONE	NONE	-3.
CPDMBRR	OUT	2	NONE	NONE	-3.
CPDMBRRO	OUT	2	NONE	NONE	-3.
**					
** SysOp Change:					
** Populate some dummy control points with large flows					
CISR5155	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5156	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5157	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5158	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5159	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5160	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5161	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5162	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5163	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5164	9999999	9999999	9999999	9999999	9999999

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CI	9999999	9999999	9999999	9999999	9999999	9999999			
CISR5165	9999999	9999999	9999999	9999999	9999999	9999999			
CI	9999999	9999999	9999999	9999999	9999999	9999999			
CISR2925	9999999	9999999	9999999	9999999	9999999	9999999			
CI	9999999	9999999	9999999	9999999	9999999	9999999			
**	big flow for testing								
CIBIGFLO	9999999	9999999	9999999	9999999	9999999	9999999			
CI	9999999	9999999	9999999	9999999	9999999	9999999			
**	Amount subtracted from Gibbons Creek empty storage - arbitrarily set to this amount								
CIGIBLIM	4000	4000	4000	4000	4000	4000			
CI	4000	4000	4000	4000	4000	4000			
**	Monthly pumping limit from Brazos for Allens Creek. Used to set target for Excess Flows diversion.								
CIAC_LIM	130680	130680	130680	130680	130680	130680			
CI	130680	130680	130680	130680	130680	130680			
**	CI RECORDS								
**	2050 return flows - linear interpolated between 2020 and 2070 levels included in Brazos G								
CI100401	19.19	16.74	16.38	20.60	22.20	21.89	City of Breckenridge	10040.001	355
CI	15.02	13.87	12.97	16.67	13.90	13.76			
CI104871	35.77	36.79	37.42	41.01	46.40	49.78	City of Graham	10487.001	752
CI	37.57	36.61	35.27	33.76	37.28	34.54			
CI105851	6.39	6.31	8.05	11.98	10.23	6.62	City of Mineral Wells	10585.004	117
CI	3.63	3.19	2.93	3.91	4.95	4.40			
CI105852	57.23	56.02	69.43	76.37	92.35	72.45	City of Mineral Wells	10585.001	1193
CI	50.75	49.00	46.23	48.24	63.05	57.70			
CI101782	28.57	23.04	27.51	37.21	50.16	41.68	City of Granbury	10178.002	690
CI	24.42	38.31	31.20	116.22	35.11	30.77			
CI106301	68.32	67.90	74.23	71.78	78.51	78.71	City of Hillsboro	10630.001	1201
CI	67.90	66.68	70.55	67.49	65.46	65.26			
CI102902	65.72	67.95	81.23	103.52	150.03	114.33	City of Stephenville	10290.001	1416
CI	66.61	65.36	67.20	66.09	66.85	62.50			
CI102191	28.91	19.10	31.87	29.59	36.32	32.25	City of McGregor	10219.002	462
CI	13.74	13.57	13.43	26.29	30.28	28.84			
CI101102	55.81	50.20	65.49	66.95	63.25	53.24	City of Marlin	10110.002	1136
CI	45.09	52.63	46.67	50.03	54.07	55.59			
CI106371	4.35	4.14	4.56	2.52	6.93	7.15	City of Eastland	10637.001	116
CI	5.76	4.56	5.98	5.28	6.01	7.19			
CI100455	108.04	98.78	116.89	125.42	132.00	129.76	City of Copperas Cove	10045.005	1687
CI	89.29	92.55	84.88	88.80	108.00	107.00			
CI101761	52.31	54.30	56.42	60.06	62.88	61.75	City of Gatesville	10176.001	823
CI	42.89	45.64	40.07	41.66	54.08	52.94			
CI101761	124.23	123.61	129.71	132.80	134.93	136.89	City of Gatesville	10176.002	2012
CI	124.41	128.49	125.70	121.30	122.15	124.17			
CI022336	62.95	56.50	65.18	65.57	72.81	67.44	City of Copperas Cove	10045.004	899
CI	40.12	44.57	40.85	44.72	59.89	61.81			
CI102051	38.65	39.13	40.63	39.75	40.91	40.22	City of Lampasas	10205.002	672
CI	32.85	34.68	33.56	36.68	38.04	37.30			
CI100451	41.09	38.57	46.32	46.80	52.27	50.02	City of Copperas Cove	10045.003	643
CI	33.01	33.66	31.20	33.20	40.15	42.50			
CI101551	141.25	133.04	165.86	171.62	198.90	168.08	City of Harker Heights	10155.001	2223
CI	118.85	129.72	112.20	128.61	165.86	155.22			
CI103511	32.05	29.69	32.77	36.76	43.03	46.23	Bell County WCID#1	10351.001	587
CI	45.20	50.08	44.87	38.12	35.76	37.84			
CI103513	852.80	830.23	962.88	936.86	1085.18	963.12	Bell County WCID#1	10351.002	12818
CI	764.14	761.37	704.26	740.65	861.79	855.11			
CI103513	170.07	164.20	166.47	187.12	207.20	189.01	Bell County WCID#1	14387.001	2426
CI	138.63	154.73	142.99	133.14	149.81	149.81			
CI104893	139.98	118.34	133.91	148.87	182.79	162.85	City of Georgetown	10489.002	1624
CI	131.39	150.93	142.48	135.91	135.97	133.59			
CI104892	141.73	132.07	142.96	136.43	155.38	134.76	City of Georgetown	10489.003	1538
CI	115.55	137.25	128.10	129.67	138.54	133.74			
CI100041	43.11	36.65	48.88	43.98	47.83	41.77	City of Cameron	10004.001	745
CI	31.90	34.79	30.11	30.28	37.04	37.85			
CI102641	115.07	113.90	132.09	148.77	153.99	142.09	BRA/LCRA BCRWSS West	10264.001	1510
CI	153.75	149.16	144.48	140.97	138.23	63.90			
CI102642	1518.30	1415.81	1497.54	1409.16	1573.05	1562.90	BRA/LCRA BCRWSS East	10264.002	17121
CI	1382.21	1574.36	1468.33	1509.00	1561.49	1629.85			
CI102991	175.47	150.06	197.75	186.36	225.13	173.95	City of Taylor	10299.001	1859
CI	132.43	153.89	134.29	127.46	149.38	159.60			
CI126441	94.25	86.84	95.27	95.48	118.53	102.36	City of Leander	12644.001	1070
CI	82.22	97.41	83.37	88.14	95.35	91.96			
CI100462	35.16	28.14	36.34	32.20	51.27	30.47	City of Hearne	10046.002	574
CI	22.63	34.72	27.58	29.29	31.33	35.47			
CI102311	11.45	9.88	11.45	10.37	12.64	10.15	City of Navasota	10231.001	692
CI	8.69	12.26	8.96	8.90	10.15	338.90			
CI103881	3.11	2.78	3.49	3.27	3.71	1237.07	City of Brenham	10388.001	2072
CI	2.84	3.55	2.84	2.89	2.78	3.27			
CI025851	25.83	29.15	31.79	32.54	35.48	29.43	Texas A&M University	2585.001	402
CI	25.81	28.09	26.27	30.19	29.41	18.02			
CI103851	33.54	29.75	36.63	37.27	37.52	37.35	City of Bellville	10385.002	436
CI	29.19	36.25	31.35	27.66	31.13	34.16			
CI106073	121.86	105.60	126.22	141.03	156.49	154.55	City of Rosenberg	10607.003	1333
CI	111.65	156.84	144.80	131.61	123.58	132.97			
CI112751	41.31	45.98	45.89	50.47	46.49	38.21	Prairie View A&M University	11275.002	500
CI	32.84	43.87	48.23	49.14	45.77	36.38			

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CI106072	201.52	169.77	196.98	216.68	231.40	211.74	City of Rosenberg	10607.002	2006
CI	176.63	240.26	201.19	197.46	177.76	196.22			
CI102582	34.07	31.06	34.11	34.47	34.32	33.34	City of Richmond	10258.003	331
CI	31.55	37.57	31.96	32.07	31.45	32.81			
CI113171	476.32	425.74	465.70	477.28	498.27	463.77	BRA SLRSS	11317.001	4674
CI	439.36	557.96	467.17	450.16	446.25	465.40			
CI116551	88.07	83.37	87.92	95.56	98.32	94.13	Pecan Grove MUD	11655.001	926
CI	89.90	115.14	93.91	93.12	86.23	90.54			
CI128331	238.40	222.91	240.03	248.24	261.34	252.05	City of Sugarland	12833.002	2423.5
CI	238.35	286.21	235.96	231.86	226.81	238.74			
CI128332	238.40	222.91	240.03	248.24	261.34	252.05	City of Sugarland	12833.003	2423.5
CI	238.35	286.21	235.96	231.86	226.81	238.74			
CI133551	109.38	102.38	109.83	113.34	117.77	114.54	Fort Bend MUD 106	13355.001	1120
CI	106.19	128.17	109.71	114.22	109.23	115.06			
CI136281	156.84	148.00	160.05	166.30	176.73	170.48	Fort Bend MUD 112	13628.001	1587
CI	155.50	189.01	149.99	143.26	150.60	145.44			
CI103121	79.38	61.03	87.70	97.82	85.03	131.13	City of West Columbia	10312.001	829
CI	35.13	50.54	43.82	41.38	40.48	52.75			
CI108821	89.39	61.00	80.92	88.67	84.55	85.99	City of Freeport	10882.001	1018
CI	61.92	116.53	85.39	72.43	75.57	88.04			
CI105481	170.92	139.66	190.98	183.68	191.90	167.46	City of Angleton	10548.001	1987
CI	118.43	208.44	154.38	134.23	117.58	154.74			
CI102642	104.52	94.59	110.63	101.01	116.39	100.46	City of Hutto	11324.001	1112
CI	87.37	92.61	91.08	87.23	94.69	95.02			

**

** POPULATE EFWLWS CPS FOR DOUBLE MOUNTAIN NEAR ASPERMONT

CI HALF	2	2	2	2	2	2
CI	2	2	2	2	2	2
CIDMPND	0	0	10	10	10	10
CI	9	9	9	9	0	0
CIDMAPND	0	0	10	10	10	10
CI	9	9	9	9	0	0
CIDMWFND	0	0	12	12	12	12
CI	12	12	12	12	0	0
CIFAKE01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM08	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM09	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM11	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM12	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIDMNOSB	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

**

** POPULATE EFWLWS CPS FOR SALT FORK NEAR ASPERMONT

CISFDPND	0	0	10	10	10	10
CI	8	8	8	8	0	0
CISFAPND	0	0	10	10	10	10
CI	8	8	8	8	0	0
CISFWFND	0	0	11	11	11	11
CI	10	10	10	10	0	0
CIFAKE02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

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CIFKSF08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSF09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSF11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSF12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CISFNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

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**
** POPULATE EFLOWS CPS FOR BRAZOS AT SEYMOUR
CISMPDND 0 0 10 10 10 10
CI 8 8 8 8 0 0
CISMAPND 0 0 10 10 10 10
CI 8 8 8 8 0 0
CISMPDND 0 0 12 12 12 12
CI 11 11 11 11 0 0

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CIFAKE03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CISMNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

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**
** POPULATE EFLOWS CPS FOR CLEAR FORK AT NUGENT
CINUDPND 0 0 9 9 9 9
CI 8 8 8 8 0 0
CINUAPND 0 0 9 9 9 9
CI 8 8 8 8 0 0
CINUWPN 9 9 12 12 12 12
CI 12 12 12 12 9 9

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CIFAKE04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CINUNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

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**
** POPULATE EFLOWS CPS FOR CLEAR FORK AT LUEDERS

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Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

CILUDFND	0	0	2	2	2	2
CI	2	2	2	2	0	0
CILUAFND	0	0	2	2	2	2
CI	2	2	2	2	0	0
CILUWFND	9	9	9	9	9	9
CI	5	5	5	5	9	9
CIFAKE05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU08	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU09	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU10	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU11	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU12	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU13	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CILUNOSB	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

**

** POPULATE EFLWS CPS FOR BRAZOS NEAR SOUTH BEND						
CISBDFND	0	0	10	10	10	10
CI	8	8	8	8	0	0
CISBAPND	0	0	10	10	10	10
CI	8	8	8	8	0	0
CISBWPND	0	0	13	13	13	13
CI	11	11	11	11	0	0

CIFAKE06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB08	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB09	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB10	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB11	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB12	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CISBNOB	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

**

** POPULATE EFLWS CPS FOR BRAZOS NEAR PALO PINTO						
CIPDPND	5	5	6	6	6	6
CI	6	6	6	6	5	5
CIPASP	5	5	6	6	6	6
CI	6	6	6	6	5	5
CIPALPD	7	7	10	10	10	10
CI	9	9	9	9	7	7
CIPWSPD	5	5	6	6	6	6
CI	6	6	6	6	5	5
CIPWLPD	7	7	10	10	10	10
CI	9	9	9	9	7	7

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

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CIFKGR13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGR14 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGR15 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGR16 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGR17 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGR18 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGR19 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGR20 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGR21 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIGRNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**
** POPULATE EFLOWS CPS FOR CLEAR FORK AT NUGENT
CINBDFND 0 0 12 12 12 12
CI 0 0 0 0 0 0
CINBAPND 0 0 12 12 12 12
CI 0 0 0 0 0 0
CINBWPND 10 10 12 12 12 12
CI 6 6 6 6 10 10
CIFAKE09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CINBNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**
** POPULATE EFLOWS CPS FOR BRAZOS NEAR WACO
CIWADFND 7 7 10 10 10 10
CI 7 7 7 7 7 7
CIWAASPD 7 7 10 10 10 10
CI 7 7 7 7 7 7
CIWAWSPD 9 9 14 14 14 14
CI 10 10 10 10 9 9
CIFAKE10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

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Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

```

CIFKWA09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIWANOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

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**
** POPULATE EFLWS CPS FOR LEON RIVER AT GATESVILLE
CIGTDFND 0 0 10 10 10 10
CI 4 4 4 4 0 0
CIGTASPD 0 0 10 10 10 10
CI 4 4 4 4 0 0
CIGTWSPD 6 6 13 13 13 13
CI 6 6 6 6 6 6

```

```

CIFAKE11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
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CIFKGT10 9999999 9999999 9999999 9999999 9999999 9999999
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CIFKGT11 9999999 9999999 9999999 9999999 9999999 9999999
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CI 9999999 9999999 9999999 9999999 9999999 9999999
CIGNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

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**
** POPULATE EFLWS CPS FOR LAMPASAS RIVER NEAR KEMPNER
CILADPND 8 8 13 13 13 13
CI 4 4 4 4 8 8
CILAAPND 8 8 13 13 13 13
CI 4 4 4 4 8 8
CILAWPND 11 11 16 16 16 16
CI 6 6 6 6 11 11

```

```

CIFAKE12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

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Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

```

CIFKLA13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CILANOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**
** POPULATE EFWLOS CPS FOR LITTLE RIVER NEAR LITTLE RIVER
CILRDPND 5 5 10 10 10 10
CI 4 4 4 4 5 5
CILRASPND 5 5 10 10 10 10
CI 4 4 4 4 5 5
CILRWSPD 11 11 17 17 17 17
CI 8 8 8 8 11 11
CIFAKE13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLR01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLR02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLR03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLR04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLR05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLR06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLR07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLR08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLR09 9999999 9999999 9999999 9999999 9999999 9999999
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CIFKLR10 9999999 9999999 9999999 9999999 9999999 9999999
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CIFKLR11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
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CIFKLR13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CILRNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**
** POPULATE EFWLOS CPS FOR LITTLE RIVER NEAR CAMERON
CICADPND 8 8 12 12 12 12
CI 6 6 6 6 8 8
CICAASPD 8 8 12 12 12 12
CI 6 6 6 6 8 8
CICAWSPD 10 10 14 14 14 14
CI 8 8 8 8 10 10
CIFAKE14 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKCA13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CICANOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**
** POPULATE EFWLOS CPS FOR BRAZOS NEAR BRYAN
CIBRDPND 7 7 11 11 11 11
CI 7 7 7 7 7 7

```

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

CIBRASPD	7	7	11	11	11	11
CI	7	7	7	7	7	7
CIBRWSPD	10	10	14	14	14	14
CI	8	8	8	8	10	10
CIFAKE15	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR08	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR09	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR10	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR11	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR12	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR13	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIBRNOSB	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

**

** POPULATE EFLOWS CPS FOR NAVASOTA RIVER NEAR EASTERLY

CIEADPND	9	9	11	11	11	11
CI	0	0	0	0	9	9
CIEAASPD	9	9	11	11	11	11
CI	0	0	0	0	9	9
CIEAWSPD	12	12	13	13	13	13
CI	5	5	5	5	12	12
CIFAKE16	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA08	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA09	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA10	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA11	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA12	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA13	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIEANOSB	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

**

** POPULATE EFLOWS CPS FOR BRAZOS NEAR HEMPSTEAD

CIHEDPND	10	10	13	13	13	13
CI	7	7	7	7	10	10
CIHEASPD	10	10	13	13	13	13
CI	7	7	7	7	10	10
CIHEWSPD	15	15	19	19	19	19
CI	9	9	9	9	15	15
CIFAKE17	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKHE01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

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CIFKHE02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIHENOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

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**

** POPULATE EFLOWS CPS FOR BRAZOS AT RICHMOND

```

CIRCDPND 11 11 13 13 13 13
CI 6 6 6 6 11 11
CIRCASPD 11 11 13 13 13 13
CI 6 6 6 6 11 11
CIRCWSPD 16 16 19 19 19 19
CI 10 10 10 10 16 16

```

```

CIFAKE18 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIRCNOB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

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**

** POPULATE EFLOWS CPS FOR BRAZOS AT ROSHARON

```

CIRODPND 12 12 10 10 10 10
CI 6 6 6 6 12 12
CIROASPD 12 12 10 10 10 10
CI 6 6 6 6 12 12
CIROWSPD 16 16 18 18 18 18
CI 9 9 9 9 16 16

```

```

CIFAKE19 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

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Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

```

CIFKRO06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIRONOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**

```

```

** EFLOW CI RECORDS
CIDAYSPY 31 28.25 31 30 31 30
CI 31 31 30 31 30 31
**

```

** FNI Change - add dummy CIs to record regulated flows 1 day senior to SB3 IFs

```

CIDMDMAS 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMSFAS 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMBRSE 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMCFNU 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMCFLU 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMBRSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMBRPP 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMBRGR 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMNBECL 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMBRWA 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMLEGT 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMLAKE 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMLRLR 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMLRCA 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMBRBR 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMNAEA 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMBRHE 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMBRRI 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMBRRO 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

```

** FNI Change end

** WR/WS/IF/SO/OR/ML RECORDS

** HDR - Updated conservation capacities to 2050 sediment conditions for major reservoirs.

**<----- WRAP input variables ----->

----->|<----- water rights information not utilized by WRAP ----->| OWNER

STREAM	CPID	AMT	USE	PRIORITY	RETURN_PARAMS	WRID	WRID2	CPID	TERM	SUBAREA	OWNER
					RIVER_ORDER_NUMBER						

** HDR - Removed reuse - already accounted for in CI records

** FNI change - Cleburne reuse

**IF 4106C	2552	4106IF20040820	1		IF4196C						
**WR 4106C		MUN220040820				CleburneReuse	C4106	reuse			
**TS ADD	2015	274	260	307	340	327	225	201	201	215	254 271 267

** FNI change - Waco reuse

**IF584001	293525	IFWCRE20040713	1		IFP5840_1						
**WR584001	0	20040713				WacoReuse	P5094	reuse			
**TS ADD	2015	1978	1876	2132	1836	1714	1695	1816	1945	2005	2042 1918 2052

** FNI change - Bryan and College Station reuse

**City of Bryan, 5912

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

```

**WR591201      0.      10000212  1
**TS ADD      2015      504      516      521      506      501      473      490      525      511      504      482      490
**
**City of College Station, 5913
**WR591201      0.      10000212  1
**TS ADD      2015      536      500      561      540      529      492      497      513      548      543      510      479
**
** FNI change - City of Abilene reuse permit 12-4161C
** Code by FNI 3-24-13
** Sum of minimum monthly discharge from 2007 to 2011 is 6,667 ac-ft/yr.
** Permit 4266 (1985 priority) is already in model and allows diversion of 4,330 ac-ft/yr of effluent
** No changes to 4266 are proposed
** Assume that remaining discharge goes to Lake Kirby (CP 415031) for reuse at Lake Fort Phantom Hill
** No water left over for other diversion points authorized by 4161C, so not modeling.
** Instream flows apply only to diversion point 3 (scalping to Hubbard Creek). Since no water left for that, we are not modeling
**
** Reuse at Lake Fort Phantom Hill. Not storing water so reservoir not included.
** TS is zero some times because P4266 sometimes diverts more than minimum monthly discharge
**WR416131      20041014  1  2  0.0000
**TS ADD      2015      397      170      285      193      189      0      0      0      0      296      299      334
** End FNI change
**
** FNI Change - Modeling at revised priority date to preserve prior appropriation relative to System Operation Modeling
** Actual priority date 09/04/2007
**Alcoa 12191 I-South 9/04/09 SD
WR121911      0.      UNIFO20120307  1
**WR121911      0.      UNIFO20070904  1
WS121911      1209.  0.5245  0.6411
**
**Alcoa 12190 9/04/09 SD
WR121902      0.      UNIFO20120307  1
**WR121902      0.      UNIFO20070904  1
WS121902      360.  0.5245  0.6411
WR121901      0.      UNIFO20120307  1
**WR121901      0.      UNIFO20070904  1
WS121901      6877.
** FNI Change end
**
** Smiling Mallard Development, 5788, 4/29/07 sj
IF578831      12.05  IF578820020930  1
WR578831      0.0     UNIFO20020930  1      0.0000
WSRP5788      436.0   0.4897  0.7633      0      0
**
** FNI Change - Modeling at revised priority date to preserve prior appropriation relative to System Operation Modeling
** Actual priority date 09/14/2006
** TXU Kosse Lignite, 5931, 9/29/06, io
WR593101      0      593120120306  1  2  0.0000
COOLEY LTD.      STEELE CRK
**WR593101      0      593120060914  1  2  0.0000
COOLEY LTD.      STEELE CRK
WS593131      146.6   0.4897  0.7633      0      0
WR593103      0      593120120306  1  2  0.0000
COOLEY LTD.      STEELE CRK
**WR593103      0      593120060914  1  2  0.0000
COOLEY LTD.      STEELE CRK
WS593133      76.5    0.4897  0.7633      0      0
WR593105      0      593120120306  1  2  0.0000
COOLEY LTD.      STEELE CRK
**WR593105      0      593120060914  1  2  0.0000
COOLEY LTD.      STEELE CRK
WS593135      174     0.4897  0.7633      0      0
WR593104      0      593120120306  1  2  0.0000
COOLEY LTD.      STEELE CRK
**WR593104      0      593120060914  1  2  0.0000
COOLEY LTD.      STEELE CRK
WS593134      44      0.4897  0.7633      0      0
WR593102      1000    593120120306  1  2  0.0000
COOLEY LTD.      STEELE CRK
**WR593102      1000    593120060914  1  2  0.0000
COOLEY LTD.      STEELE CRK
WS593132      1351    0.4897  0.7633      0      0
WS593131      146.6   0.4897  0.7633      0      0
OR593131      1      1
WS593133      76.5    0.4897  0.7633      0      0
OR593133      1      1
WS593135      174     0.4897  0.7633      0      0
OR593135      1      1
WS593134      44      0.4897  0.7633      0      0
OR593134      1      1
** FNI Change end
**
** FNI Change - Modeling at revised priority date to preserve prior appropriation relative to System Operation Modeling
** Actual priority date 10/21/2004
**APP 5858

```

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TWDB Contract Number 2100012466

WR585830	000.	IND320120303	1	0	0.0000	A585800	A5858			TEXAS
MUNICIPAL POWER AGENCY							0745651000	BRHE68	10	
**WR585830	000.	IND320041021	1	0	0.0000	A585800	A5858			TEXAS
MUNICIPAL POWER AGENCY							0745651000	BRHE68	10	
WSR58580	212.5	0.5228	0.8206		0					
WR585831	000.	IND320120303	1	0	0.0000	A585801	A5858			TEXAS
MUNICIPAL POWER AGENCY							0745651000	BRHE68	10	
**WR585831	000.	IND320041021	1	0	0.0000	A585801	A5858			TEXAS
MUNICIPAL POWER AGENCY							0745651000	BRHE68	10	
WSR58581	82.	0.5228	0.8206		0					
WR585832	000.	IND320120303	1	0	0.0000	A585802	A5858			TEXAS
MUNICIPAL POWER AGENCY							0745651000	BRHE68	10	
**WR585832	000.	IND320041021	1	0	0.0000	A585802	A5858			TEXAS
MUNICIPAL POWER AGENCY							0745651000	BRHE68	10	
WSR58582	1693.	0.5228	0.8206		0					
WR585835	000.	IND320120303	1	0	0.0000	A585805	A5858			TEXAS
MUNICIPAL POWER AGENCY							0745651000	BRHE68	10	
**WR585835	000.	IND320041021	1	0	0.0000	A585805	A5858			TEXAS
MUNICIPAL POWER AGENCY							0745651000	BRHE68	10	
WSR58585	16.0	0.5228	0.8206		0					
WR585836	000.	IND320120303	1	0	0.0000	A585806	A5858			TEXAS
MUNICIPAL POWER AGENCY							0745651000	BRHE68	10	
**WR585836	000.	IND320041021	1	0	0.0000	A585806	A5858			TEXAS
MUNICIPAL POWER AGENCY							0745651000	BRHE68	10	
WSR58586	16.0	0.5228	0.8206		0					
WR585838	000.	IND320120303	1	0	0.0000	A585808	A5858			TEXAS
MUNICIPAL POWER AGENCY							0745651000	BRHE68	10	
**WR585838	000.	IND320041021	1	0	0.0000	A585808	A5858			TEXAS
MUNICIPAL POWER AGENCY							0745651000	BRHE68	10	
WSR58588	316.0	0.5228	0.8206		0					
WR585839	000.	IND320120303	1	0	0.0000	A585809	A5858			TEXAS
MUNICIPAL POWER AGENCY							0745651000	BRHE68	10	
**WR585839	000.	IND320041021	1	0	0.0000	A585809	A5858			TEXAS
MUNICIPAL POWER AGENCY							0745651000	BRHE68	10	
WSR58589	1141.2	0.5228	0.8206		0					
WR58583A	000.	IND320120303	1	0	0.0000	A585810	A5858			TEXAS
MUNICIPAL POWER AGENCY							0745651000	BRHE68	10	
**WR58583A	000.	IND320041021	1	0	0.0000	A585810	A5858			TEXAS
MUNICIPAL POWER AGENCY							0745651000	BRHE68	10	
WSR5858A	38.0	0.5228	0.8206		0					
** FNI Change end										
**										
** FNI Change - Modeling at revised priority date to preserve prior appropriation relative to System Operation Modeling										
** Actual priority date 05/31/2005										
**App 5866, Harris County FCD, 9/29/2005, MT										
IF586631	18095	UNIFO20120304			1	IFA586631				
WR586631	0.0	UNIFO20120304	1			A586631				
**IF586631	18095	UNIFO20050531			1	IFA586631				
**WR586631	0.0	UNIFO20050531	1			A586631				
WS586631	108.9	0.5228	0.8206							
** FNI Change end										
**										
**Alcoa Inc., App. 12-5816, IO										
WR581601	650	5816DI20031027	1			P5816_1	P581615816301			
WS R5816	4380									
**										
**Alcoa Inc.,										
WR580331	0.0	ALCOA20030724	1			P580331	P580315803301			
WS580331	936				0					
WR580332	650.0	ALCOA20030724	1			P5803_1	P580315803302			
WS580332	13492				0					
**Ed Johnson, app. 5791, io										
IF579101	365	5791IF20021114			1	IFP5791_1				
WR579131	0.0	5791DD20021114	1			P579131	P579115791301			
WS579131	83.1	0.5228	0.8206		0					
WR579132	0.0	5791DD20021114	1			P579132	P579115791302			
WS579132	6.2	0.5228	0.8206		0					
WR579101	40.0	5791DD20021114			2	P5791_1	P579115791001			
WS579131	83.1	0.5228	0.8206		0					
OR		1	1							
WS579132	6.2	0.5228	0.8206		0					
OR		1	1							
**										
** Application 3809, L.P. Reed Ranch										
** These reservoirs were not included in the model. The reservoirs were modeled such that water will be taken first										
** from the most downstream reservoir and then from the next upstream reservoir, etc., etc.										
IF380934	72	UNIFO20020429			1	IF3809_1				
WR380931	0	IRR220020429	1		0.0000	P3809_1	P380913809004			
WS REED1	143	0.4897	0.7633							
WR380932	0	IRR220020429	1		0.0000	P3809_2	P380913809004			
WS REED2	76	0.4897	0.7633							
WR380933	0	IRR220020429	1		0.0000	P3809_3	P380913809004			
WS REED3	30	0.4897	0.7633							
WR380935	0	IRR220020429	1		0.0000	P3809_5	P380913809004			

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WS REED5	12.7	0.4897	0.7633						
WR380936	0	IRR220020429		1	0.0000			P3809_6	P380913809004
WS REED6	7	0.4897	0.7633						
WR380934	230	IRR220020429		1	0.0000			P3809_4	P380913809004
WS REED4	175	0.4897	0.7633	0	0				
WS REED1	143	0.4897	0.7633						
OR380931		1	1						
WS REED3	30	0.4897	0.7633						
OR380933		1	1						
WS REED2	76	0.4897	0.7633						
OR380932		1	1						
WS REED5	12.7	0.4897	0.7633						
OR380935		1	1						
WS REED6	7	0.4897	0.7633						
OR380936		1	1						
** TXU MINING, APPLICATION 5770									
WR577001	53	MIN320020403		1				P5770_1	P577015770001
**									
**Application 5767, Herman Stroud. Diversion of 99 ac-ft from Brazos River to fill 32.5 ac-ft capacity off-channel reservoir complex & to irrigate. Staff rec. IF.									
IF576701	119155	5767IF20020329		1			IF5767_1		
WR576741	30	57674120020329		1				P5767_1	P576715767001
WS576741	32.5	0.2710	0.8958						
SO	80	70	576701			1			
**									
** TMFA App 5741, 5783 9/27/02 - JD									
WR573831	0.0	UNIFO20010205		1	2	0.0000		P5738_1	P573815738301
HILLS INC Heifer Creek									
WSRP5738	207.95	0.8475	0.6756		0	0			CHAPPELL
WR574131	0.0	UNIFO20010524		1	2	0.0000		P5741_1	P574115741301
HILLS INC Heifer Creek									
WSRP5741	631.2	0.8475	0.6756		0	0			
WR574132	0.0	UNIFO20010524		1	2	0.0000		P5741_2	P574115741302
HILLS INC Heifer Creek									
WSR57412	571.3	0.8475	0.6756		0	0			
** Clark Gardens application 5759									
WR A5759	11.	CLARK20011203		1				P5759_1	P575915759001
OF MINERAL WELLS ROCK CRK									
WS GRANT	15.	0.4897	0.7633		0				3
**									
** GAVRONOVIC, APPLICATION 5752									
** HALE CLAUSE									
IFBRHE68	1216877	5752IF20011018		1	1		IF5752_1		
IF575203	2741	GAVIF20011018			1		IF5752_2		
WR575203	1200	575220011018		1				P5752_1	P575215752001
WS R5752	367.26	0.2710	0.8958						
SO	285	560302							
**									
** SOMERVELL COUNTY WATER DISTRICT									
IF574432	7058	5744IF20010627					IF5744_1		
WR574432	5000	MUN420010627		1	1	1	SCWD	P5744_1	P574415744001
TO 3 CONT									
TO -5 MIN 5744W CONT									
TO 10 2975									
SO 5000									
WS 5744P	35.2	0.2710	0.8958						
PX 2		2	515731						
WR574431	2000	MUN220010627		1				P5744_2	P574415744002
WS 5744W	4118								
SO SCWD									
PX 2		2	515731						
**									
** US ARMY CORPS OF ENGINEERS APPLICATION 5658									
** This water right contains a condition allowing back-up of reservoir 5658D with 1000 af									
** from 516431. As 516431 is owned by BRA and permittee has provided no evidence of									
** a contractual agreement, this special condition is not included in the model.									
IF565801	94093	UNIFO19991018			1		IF5658_1		
WR565837	0	UNIFO19991018		1				P5658_1	P565815658001
WS 5658D	900	0.4897	0.7633						
SO 1000 565801									
WR565833	0	UNIFO19991018		1				P5658_2	P565815658002
WS 5658A	80	0.4897	0.7633						
WR565834	0	UNIFO19991018		1				P5658_3	P565815658003
WS 5658B	30	0.4897	0.7633						
WR565836	0	UNIFO19991018		1				P5658_4	P565815658004
WS 5658C	98	0.4897	0.7633						
IF565801	0	UNIFO19991018			1		IF5658_2		
**									
** Application 5665, Paul Weinman. Diversion of 2448 ac-ft from Brazos River to fill off-channel wetlands project. Staff rec. IF.									
** Application 5665A, Paul Weinman. Change location of point IF measured at. 12/9/02 MT									
**IF5665011325439. IF566520010621 1 IF5665_1									
IFBRR1701352902.		IF566520010621			1		IF5665_1		
WR566541	0.	D&L420010621		1				P5665_1	P566515665001
WS R5665	1836								

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WR366731	125.	IRR119680417	1	2	0.0000	C3667_1	C366763667001		"HELEN
ARLINE ESTLACK, ET VIR"		CATFISH DRAW					5889000000 RWPL01	1	
WSRC3667	125.	0.8109 0.6681			0				
WR366831	75.0	IRR119680205	1	2	0.0000	C3668_1	C366863668001		"ARLINE
L. HARTZOG, JR., ET UX"		CATFISH DRAW					5888000000 RWPL01	1	
WSRC3668	75.0	0.8109 0.6681			0				
WR366931	0.0	UNIF019770606	1	2	0.0000	C3669_1	C366963669001		KUNTZ
CATTLE COMPANY		RUNNING WATER DRAW					5887700000 RWPL01	1	
WSRC3669	30.0	0.8109 0.6681			0				
WR367032	120.	IRR119691117	1	2	0.0000	C3670_1	C367063670001		RANDY
K. AND DEBRA LOU ROBERTS		RUNNING WATER DRAW					5887400000 RWPL01	1	
WSRC3670	90.0	0.8109 0.6681			0				
** The reservoir is shared by 12-3671, 3672, 3673, and 3674.									
WR367131	338.	IRR119750310	1	2	0.0000	C3671_1	C367163671001		J.W.
GAMMON		RUNNING WATER DRAW					5887220000 RWPL01	1	
WSRC3671	4427.	0.8109 0.6681			0				
WR367131	988.	IRR119750310	1	2	0.0000	C3672_1	C367263672001		A.
WAYNE CLARK		RUNNING WATER DRAW					5887210000 RWPL01	1	
WSRC3671	4427.	0.8109 0.6681			0				
WR367131	26.0	IRR119750310	1	2	0.0000	C3674_1	C367463674001		JIM
ROY DANIEL		RUNNING WATER DRAW					5887200000 RWPL01	1	
WSRC3671	4427.	0.8109 0.6681			0				
WR367131	1248.	IRR119750310	1	2	0.0000	C3673_1	C367363673001		R
J SANDERSON		RUNNING WATER DRAW					5887190000 RWPL01	1	
WSRC3671	4427.	0.8109 0.6681			0				
** Instream Flow Req: pass inflows up to 0.5 cfs, REMOVED, RESTRICTION FOR DS WRS									
**IF406431	362.	UNIF019830711	1			IFP4064_1			
WR406431	60.0	IRR119830711	1	2	0.0000	P4064_1	P406414064001		DAVID
W SMITH ET UX		RUNNING WATER DRAW					5886850000 RWPL01	1	
WSRP4064	200.	0.8109 0.6681			0				
WR367531	86.0	IRR119610630	1	2	0.0000	C3675_1	C367563675001		TOM
MCGILL		RUNNING WATER DRAW					5886800000 RWPL01	1	
WSRC3675	12.0	0.8109 0.6681			0				
WR367631	10.0	IRR119690929	1	2	0.0000	C3676_1	C367663676001		THE
TWELVE CO A TX CORP		N FRK RUNNING WATER DRAW					5885500000 RWPL01	1	
WSRC3676	10.0	0.8109 0.6681			0				
WR367731	31.0	IRR119700209	1	2	0.0000	C3677_1	C367763677001		WILMA
LEMONS		N FRK RUNNING WATER DRAW					5885000000 RWPL01	1	
WSRC3677	31.0	0.8109 0.6681			0				
WR367731	31.0	IRR119700209	1	2	0.0000	C3677_2	C367763677001		KEITH
DAVID LEMONS ET AL		N FRK RUNNING WATER DRAW					5885000000 RWPL01	1	
WSRC3677	31.0	0.8109 0.6681			0				
WR367831	40.0	IRR119681009	1	2	0.0000	C3678_1	C367863678001		ROY
TAACK		N FRK RUNNING WATER DRAW					5884500000 RWPL01	1	
WSRC3678	10.0	0.8109 0.6681			0				
WR367931	2.5	IRR119730625	1	2	0.0000	C3679_1	C367963679001		L
D AMERSON		N FRK RUNNING WATER DRAW					5884400000 RWPL01	1	
WSRC3679	2.0	0.8109 0.6681			0				
WR368031	1.2	IRR119780731	1	2	0.0000	C3680_1	C368063680001		K
W CARSON		N FRK RUNNING WATER DRAW					5884280000 RWPL01	1	
WSRC3680	3.5	0.8109 0.6681			0				
WR368131	1.0	IRR119771219	1	2	0.0000	C3681_1	C368163681001		MARJORIE
W HECK		RUNNING WATER DRAW					5884100000 RWPL01	1	
WSRC3681	1.2	0.8109 0.6681			0				
WR381301	8.0	IRR119810324	1	2	0.0000	P3813_1	P381313813001		FRANKLIN
G GABRIEL ET AL		RUNNING WATER DRAW					5884050000 RWPL01	1	
WR368231	28.0	IRR119700401	1	2	0.0000	C3682_1	C368263682001		RANDY
FALKENBERG ET UX		RUNNING WATER DRAW					5884000000 RWPL01	1	
WSRC3682	28.0	0.8109 0.6681			0				
WR368331	110.	IRR119760329	1	2	0.0000	C3683_1	C368363683001		HIGH
PLAINS PAVERS INC		RUNNING WATER DRAW					5883500000 RWPL01	1	
WSRC3683	110.	0.8109 0.6681			0				
WR368431	80.0	IRR119760315	1	2	0.0000	C3684_1	C368463684001		RICKY
JOE JAMES		SLATON DRAW					5882970000 RWPL01	1	
WSRC3684	3.0	0.8109 0.6681			0				
WR368531	150.	IRR119750714	1	2	0.0000	C3685_1	C368563685001		FRED
KEESEE JR		SLATON DRAW					5882900000 RWPL01	1	
WSRC3685	200.	0.8109 0.6681			0				
WR368531	170.	IRR119790521	1	2	0.0000	C3685_2	C368563685001		FRED
KEESEE JR		SLATON DRAW					5882900000 RWPL01	1	
WSRC3685	424.	0.8109 0.6681			0				
** Diversions limited to availability of water from City of Plainview WWTP.									
WR368601	120.	IRR119761115	1	2	0.0000	C3686_1	C368663686001		BILLY
H TODD		RUNNING WATER DRAW					5882400000 WRSP02	1	
SO		105371							
** Diversions limited to availability of water from City of Plainview WWTP.									
WR368701	75.0	IRR119761115	1	2	0.0000	C3687_1	C368763687001		GRADY
D ELLIS		RUNNING WATER DRAW					5882200000 WRSP02	1	
SO		105371							
** Diversions limited to availability of water from City of Plainview WWTP.									
WR391501	60.0	IRR119820510	1	2	0.0000	P3915_1	P391513915001		TEXAS
DEPT OF CRIMINAL JUSTICE		RUNNING WATER DRAW					5882150000 WRSP02	1	
SO		105371							

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WR368801	87.0	IRR119630131	1	2	0.0000		C3688_1	C368863688001			JOEL
B. MITCHELL						RUNNING WATER DRAW		5882100000	WRSP02	1	
** Diversions limited to availability of water from City of Plainview WWTP.											
WRP40351	200.	IRR119830531	1	2	0.0000		P4035_1	P403514035001			MAURICE
HASTEY						RUNNING WATER DRAW		5881800000	WRSP02	B 1	
SO		105371									
WR540501	4.0	IRR119920305	1	2	0.0000		P5405_1	P540515405001			HORNE
& OWEN						RUNNING WATER DRAW		5881700000	WRSP02	1	
WR368931	48.0	IRR119690310	1	2	0.0000		C3689_1	C368963689001			GLENITH
B. AMONETT						CRAWFISH DRAW		5872000000	WRSP02	1	
WSRC3689	48.0	0.8109	0.6681		0						
WR369001	2.0	IRR119601231	1	2	0.0000		C3690_1	C369063690001			CHARLES
DONALD SCHULER						CRAWFISH DRAW		5870500000	WRSP02	1	
WR369131	11.0	IRR119631112	1	2	0.0000		C3691_1	C369163691001			DONNA
H & CLYDE SNOW TRUSTEES						CRAWFISH DRAW		5870000000	WRSP02	1	
WSRC3691	150.	0.8109	0.6681		0						
WR369231	29.0	IRR119530512	1	2	0.0000		C3692_1	C369263692001			OTIS
W ENGLISH JR ET AL						WHITE RIVER		5860000000	WRSP02	1	
WSRC3692	14.5	0.8109	0.6681		0						
WR369331	4000.	MUN119580922	1	2	0.0000		C3693_1	C369363693001			WHITE
RIVER MWD						WHITE RIVER		5850000000	WRSP02	1	
WSWHTRVR	10011.				0						
WR369331	2000.	MIN119580922	1	2	0.0000		C3693_2	C369363693001			WHITE
RIVER MWD						WHITE RIVER		5850000000	WRSP02	1	
WSWHTRVR	10011.				0						
WR369331	0.0	MIN119601121	1	2	0.0000		C3693_3	C369363693001			WHITE
RIVER MWD						WHITE RIVER		5850000000	WRSP02	1	
WSWHTRVR	10011.				0						
WR369331	0.0	MIN119710816	1	2	0.0000		C3693_4	C369363693001			WHITE
RIVER MWD						WHITE RIVER		5850000000	WRSP02	1	
WSWHTRVR	10011.				0						
WR369631	260.	IRR119650914	1	2	0.0000		C3696_1	C369663696001			O
J & ELEANORA S BARRON						DUCK CRK		5847000000	DUGI03	1	
WSRC3696	634.	0.8109	0.6681		0						
WR369731	0.0	UNIFO19720828	1	2	0.0000		C3697_1	C369763697301			O
J & ELEANORA S BARRON						ROCK HOUSE		5846500000	DUGI03	1	
WSRC3697	338.	0.8109	0.6681		0						
WR369831	768.	IRR119660801	1	2	0.0000		C3698_1	C369863698001			O.J.
& ELEANORA S. BARRON						COTTONWOOD CRK		5846000000	DUGI03	1	
WSRC3698	2249.	0.8109	0.6681		0						
WR369931	160.	IRR119690602	1	2	0.0000		C3699_1	C369963699001			JOHN
R. & KATHRYN HUNTER						DOCKUM CRK		5843000000	DUGI03	1	
WSRC3699	437.	0.8109	0.6681		0						
WR370031	160.	IRR119691117	1	2	0.0000		C3700_1	C370063700001			JESSE
H & RUBY DAUGHERTY						DOCKUM CRK		5842700000	DUGI03	1	
WSRC3700	168.	0.8109	0.6681		0						
WR370131	0.0	IRR119251001	1	2	0.0000		C3701_1	C370163701301			COUNTY
OF KENT						BACKBONE CRK		5840000000	SFPE04	1	
WSRC3701	296.	0.8109	0.6681		0						
WR370231	0.0	UNIFO19691124	1	2	0.0000		C3702_1	C370263702301			DON
H MURPHY						S CAMP HOLLOW		5826000000	SFAS06	1	
WSRC3702	850.	0.4897	0.7633		0						
** Authorized to divert underflow of the Brazos River. Subject to a Water Supply Agreement with the BRA											
** to divert upstream of BRA reservoir. Junior priority of right will not allow it to affect downstream											
** senior rights, so it is included in model at its date of priority.											
WR524201	1552.	MIN119890601	1	2	0.0000		P5242_1	P524215242001			PHILLIPS
PETROLEUM CO						BRAZOS RIVER		5815000000	BRSE11	B 2	
WR341131	75.0	IRR119780130	1	2	0.0000		C3411_1	C341163411001			JAMES
C HENDERSON						UNKNOWN TRIB		5814000000	BRSE11	2	
WSRC3411	114.	0.8109	0.6681		0						
WR341231	0.0	D&L119770328	1	2	0.0000		C3412_1	C341263412301			ANNE
BURNETT WINDFOHR						LTL CROTON CRK		5813000000	BRSE11	2	
WSRC3412	248.	0.8109	0.6681		0						
** Since this right is contingent on a water supply agreement with the Brazos River Authority, it will											
** not be modeled. According to a memo from TNRCC, this point was deleted from the GIS coverage because											
** the contract with BRA has expired. This right will not be modeled.											
**WR515401	941.	MIN119870909	1	2	0.0000		P5154_1	P515415154001			TEX/CON
OIL & GAS CO						BRAZOS RIVER		5812000000	BRSE11	B 2	
**WR515401	706.	MIN119890502	1	2	0.0000		P5154_2	P515415154001			TEX/CON
OIL & GAS CO						BRAZOS RIVER		5812000000	BRSE11	B 2	
WR341331	182.	IRR119570831	1	2	0.0000		C3413_1	C341363413001			SAMUEL
E CLONTS, ET AL						WILD HORSE CRK		5811000000	BRSE11	2	
WSRC3413	100.	0.8109	0.6681		0						
** Authorized to divert underflow of the Brazos River. Subject to a Water Supply Agreement with the BRA											
** to divert upstream of BRA reservoir. Junior priority of right will not allow it to affect downstream											
** senior rights, so it is included in model at its date of priority.											
WR543501	235.	MIN119921105	1	2	0.0000		P5435_1	P543515435001			PLAINS
PETROLEUM OPERATING CO						BRAZOS RIVER		5810500000	BRSE11	B 2	
WR341431	34.0	MUN119290102	1	2	0.0000		C3414_1	C341463414001			CITY
OF BENJAMIN						DUTCHMAN CRK		5810000000	BRSE11	2	
WSRC3414	915.	0.8109	0.6681		0						
WR344031	2000.	IRR119580613	1	2	0.0000		C3440_1	C344063440004			LEAGUE
RANCH						DUTCHMAN CRK		5805000000	BRSE11	2	
WSDLAVIS	3603.				0						

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WR344032	31.0	IRR119650517	1	2	0.0000	C3440_2	C344063440005			LEAGUE
RANCH							5805000000	BRSE11	2	
WSRC3440	1750.	0.8109	0.6681		0					
WR344032	0.0	UNIFO19650517	1	2	0.0000	C3440_3	C344063440001			LEAGUE
RANCH							5805000000	BRSE11	2	
WSRC3440	1750.	0.8109	0.6681		0					
SO										
WR344031	0.0	UNIFO19720515	1	2	0.0000	C3440_4	C344063440004			LEAGUE
RANCH							5805000000	BRSE11	2	
WSLDAVIS	3603.				0					
WR344032	0.0	UNIFO19720515	1	2	0.0000	C3440_5	C344063440005			LEAGUE
RANCH							5805000000	BRSE11	2	
WSRC3440	2084.	0.8109	0.6681		0					
WR344131	0.0	UNIFO19391218	1	2	0.0000	C3441_1	C344163441301			CITY
OF MUNDAY							5780000000	BRSE11	2	
WSRC3441	150.	0.8109	0.6681		0					
WR344231	50.0	IRR119701123	1	2	0.0000	C3442_1	C344263442001			SEYMOUR
GOLF & COUNTRY CLUB							5777000000	BRSE23	2	
WSRC3442	95.0	0.8109	0.6681		0					
WR344302	28.0	IRR119631231	1	2	0.0000	C3443_1	C344363443002			NORTH
CENTRAL TEXAS MWA ET AL							5776010000	BRSE23	2	
WR344431	3500.	MUN119581001	1	2	0.0000	C3444_1	C344463444001			NORTH
CENTRAL TEXAS MWA ET AL							5776000000	BRSE23	2	
WSMLRCRK	16537.				0					
WR344431	1000.	IND119581001	1	2	0.0000	C3444_2	C344463444001			NORTH
CENTRAL TEXAS MWA ET AL							5776000000	BRSE23	2	
WSMLRCRK	16537.				0					
WR344431	500.	MIN119581001	1	2	0.0000	C3444_3	C344463444001			NORTH
CENTRAL TEXAS MWA ET AL							5776000000	BRSE23	2	
WSMLRCRK	16537.				0					
WR344501	31.0	IRR119310831	1	2	0.0000	C3445_1	C344563445001			PATSY
STOUT COOPER ET AL							5775250000	BRSE23	2	
WR344631	9.0	IRR119590902	1	2	0.0000	C3446_1	C344663446001			J
J KEETER TRUST & CLYDE STUTEVILLE							5751000000	BRSE23	2	
WSRC3446	125.	0.8109	0.6681		0					
WR344701	45.0	IRR119640531	1	2	0.0000	C3447_1	C344763447001			R
T WELLS JR							5750220000	BRSE23	2	
WR344801	45.0	IRR119660228	1	2	0.0000	C3448_1	C344863448001			GEORGE
W WILKINSON							5750200000	BRSE23	2	
WSRC3448	2.0	0.8109	0.6681		0					
WR344931	0.0	D&L119500123	1	2	0.0000	C3449_1	C344963449301			THROCKMORTON
LAND & CATTLE CO							5750000000	BRSE23	2	
WSRC3449	705.	0.8109	0.6681		0					
WR345031	600.	MUN119401120	1	2	0.0000	C3450_1	C345063450001			CITY
OF THROCKMORTON							5720000000	BRSE23	2	
WSRC3450	1675.	0.8109	0.6681		0					
WR345101	26.0	IRR119660831	1	2	0.0000	C3451_1	C345163451001			GEORGE
W WILKINSON							5700100000	BRSE23	2	
WR345141	27.0	IND119660831	1	2	0.0000	C3451_2	C345163451401			GEORGE
W WILKINSON							5700100000	BRSE23	2	
** Two reservoirs modeled as a single reservoir.										
WR345232	250.	MUN119661122	1	2	0.0000	C3452_1	C345263452001			CITY
OF NEWCASTLE							5685000000	BRSE23	2	
WSRC3452	751.	0.8109	0.6681		0					
WR420631	40.0	IRR119270908	1	2	0.0000	C4206_1	C420664206001			TERRY
T POSEY ET UX							5600100000	CFRO13	2	
WSRC4206	13.0	0.8109	0.6681		0					
WR411531	45.0	IND119581231	1	2	0.0000	C4115_1	C411564115001			H
& H FEEDLOT INC							5594000000	CFHA14	2	
WSRC4115	127.	0.8109	0.6681		0					
WR411601	2.0	IRR119261231	1	2	0.0000	C4116_1	C411664116001			MARJORIE
HAMBRIGHT							5592800000	CFHA14	2	
WR411701	1.0	IRR119551231	1	2	0.0000	C4117_1	C411764117001			DR
HELEN F YEATS							5592600000	CFHA14	2	
WR411931	5.0	IRR119631231	1	2	0.0000	C4119_1	C411964119001			ALFRED
L. CAREY ET UX							5592300000	CFHA14	D 2	
WSRC4119	5.0	0.8109	0.6681		0					
WR411801	8.0	IRR119631231	1	2	0.0000	C4118_1	C411864118001			ZANNA
H ANDERSON							5592250000	CFHA14	2	
WR412031	74.0	IRR119371231	1	2	0.0000	C4120_1	C412064120001			MAX
D. CARRIKER ESTATE ETAL							5591500000	CFHA14	2	
WSRC4120	15.0	0.8109	0.6681		0					
WR412131	263.	IRR119360531	1	2	0.0000	C4121_1	C412164121001			WILLARD
L. BURK							5591350000	CFHA14	2	
WSRC4121	26.0	0.8109	0.6681		0					
WR412231	60.0	IRR119621231	1	2	0.0000	C4122_1	C412264122001			MAX
D. CARRIKER ESTATE							5591000000	CFHA14	2	
WSRC4122	22.0	0.8109	0.6681		0					
WR412331	17.0	IRR119280229	1	2	0.0000	C4123_1	C412364123001			FREDDIE
MAC STUART							5570000000	CFHA14	2	
WSRC4123	12.0	0.8109	0.6681		0					
WR412401	55.0	IRR119260403	1	2	0.0000	C4124_1	C412464124001			"ALFRED
S. WALDROP, ETAL"							5540000000	CFHA14	D 2	
** All of this right was severed and transferred to C4072.										

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**WR412531	117.	IRR119620531	1	2	0.0000		C4125_1	C412564125001			REX
& NEVA HALL						CLEAR FRK BRAZOS RIVER		5539000000	CFHA14	2	
**WSRC4125	2.0	0.8109	0.6681	0	0						
WR412531	0.	D&L119620531	1	2	0.0000		C4125_1	C412564125001			REX
& NEVA HALL						CLEAR FRK BRAZOS RIVER		5539000000	CFHA14	2	
WSRC4125	2.0	0.8109	0.6681	0	0						
WR407201	117.	IRR219620531	1	2	0.0000		C4072_3	C407264072001			JAMES
E ANTHONY ET AL						BRAZOS RIVER		3289100000	BRGR30	5	
** Two reservoirs modeled as a single reservoir.											
WR412631	55.0	IRR119491231	1	2	0.0000		C4126_1	C412664126001			BOYD
H. LAKEY						CLEAR FRK BRAZOS RIVER		5538000000	CFHA14	2	
WSRC4126	20.0	0.8109	0.6681	0	0						
WR412701	120.	IRR119670430	1	2	0.0000		C4127_1	C412764127001			JAMES
RANDOLPH SCOTT						CLEAR FRK BRAZOS RIVER		5514800000	CFHA14	2	
WR412831	2000.	MUN119141008	1	2	0.0000		C4128_1	C412864128001			CITY
OF SWEETWATER						SWEETWATER CRK		5510000000	CFHA14	2	
WSRC4128	2500.	0.8109	0.6681	0	0						
** IBT of 7,000 acft/yr from Colorado River Basin.											
WRIB4128	7000.	MUN119141008	1	2	0.0000		C4128_2	C412864128001			CITY
OF SWEETWATER						SWEETWATER CRK		5510000000	CFHA14	2	
WR412931	40.0	IRR119160706	1	2	0.0000		C4129_1	C412964129001			"SWEETWATER
COUNTRY CLUB, INC"						KILDOOGAN		5480000000	CFHA14	2	
WSRC4129	892.	0.4897	0.7633	0	0						
WR413031	2730.	MUN119271017	1	2	0.0000		C4130_1	C413064130001			CITY
OF SWEETWATER						COTTONWOOD CRK		5420000000	CFHA14	2	
WLSWEET	10000.										
WR413031	960.	IND119271017	1	2	0.0000		C4130_2	C413064130001			CITY
OF SWEETWATER						COTTONWOOD CRK		5420000000	CFHA14	2	
WLSWEET	10000.										
WR413031	50.0	IRR119271017	1	2	0.0000		C4130_3	C413064130001			CITY
OF SWEETWATER						COTTONWOOD CRK		5420000000	CFHA14	2	
WLSWEET	10000.										
WR413201	212.	IRR119651231	1	2	0.0000		C4132_1	C413264132001			HARRY
C. REAUGH & WIFE						CLEAR FRK BRAZOS RIVER		5403000000	CFHA14	2	
WR413331	225.	IRR119641231	1	2	0.0000		C4133_1	C413364133001			JAMES
FARRINGTON ET AL						CLEAR FRK BRAZOS RIVER		5385000000	CFNU16	2	
WSRC4133	7.0	0.8109	0.6681	0	0						
WR413431	45.0	IRR119691006	1	2	0.0000		C4134_1	C413464134001			BILLY
DOAN						ENSMINGER		5296000000	MUHA15	2	
WSRC4134	96.0	0.4897	0.7633	0	0						
WR413531	28.0	IRR119660502	1	2	0.0000		C4135_1	C413564135001			HUGH
T. LILLY						MULBERRY		5290000000	MUHA15	2	
WSRC4135	150.	0.8109	0.6681	0	0						
WR413631	338.	MIN119480722	1	1	0.5000		C4136_1	C413664136001			NELSON
PUETT						MULBERRY		5285000000	CFNU16	2	
WSRC4136	850.	0.8109	0.6681	0	0						
WR413631	7.0	IND119480722	1	2	0.0000		C4136_2	C413664136001			NELSON
PUETT						MULBERRY		5285000000	CFNU16	2	
WSRC4136	850.	0.8109	0.6681	0	0						
WR413631	0.0	UNIFO19480722	1	2	0.0000		C4136_3	C413664136001			NELSON
PUETT						MULBERRY		5285000000	CFNU16	2	
WSRC4136	850.	0.8109	0.6681	0	0						
WR413701	54.0	IRR119260713	1	2	0.0000		C4137_1	C413764137001			ROSS
S BRADFORD ET UX						CLEAR FRK BRAZOS RIVER		5260000000	CFNU16	2	
WR413801	2.0	IRR119640316	1	2	0.0000		C4138_1	C413864138001			THOMAS
J MARSHALL & WIFE						CLEAR FRK BRAZOS RIVER		5210000000	CFNU16	2	
WR414001	165.	IRR119661231	1	2	0.0000		C4140_1	C414064140001			RALPH
BRIDWELL ET UX						CLEAR FRK BRAZOS RIVER		5164800000	CFNU16	D 2	
WR414231	1675.	MUN119180123	1	4	RABIL1 103341		C4142_1	C414264142001			CITY
OF ABILENE						ELM CRK		5160000000	CFNU16	2	
WSABILNE	2973.				0						
IF4143012171.933		UNIFO19721218	1				IFC4143_1				
WR414331	0.0	UNIFO19721218	1	2	0.0000		C4143_1	C414364143301			KICKAPOO
LAND CO						ELM CRK		5151000000	CFNU16	2	
WSRC4143	66.0	0.8109	0.6681	0	0						
SO	50.										
WR414431	73.0	IND119641231	1	2	0.0000		C4144_1	C414464144001			BILL
JAY ET AL						ELM CRK		5139100000	CFNU16	2	
WSRC4144	120.	0.8109	0.6681	0	0						
WR414531	168.	IND119641231	1	2	0.0000		C4145_1	C414564145001			"BILL
JAY, ET AL"						ELM CRK		5139000000	CFNU16	2	
WSRC4145	150.	0.8109	0.6681	0	0						
WR414631	4.0	IRR119480531	1	2	0.0000		C4146_1	C414664146001			J
H TAYLOR GAS COMPANY						ELM CRK		5104100000	CFNU16	2	
WSRC4146	6.0	0.8109	0.6681	0	0						
WR414703	14.0	IRR119630531	1	2	0.0000		C4147_1	C414764147003			LEE
ARTHUR PRESSWOOD						ELM CRK		5104050000	CFNU16	2	
WR414801	5.0	IRR119640831	1	2	0.0000		C4148_1	C414864148001			RILEY
G MAXWELL CO ET AL						ELM CRK		5104000000	CFNU16	2	
WR414901	42.0	IRR119630430	1	2	0.0000		C4149_1	C414964149001			NOEL
W. PETRE						ELM CRK		5103000000	CFNU16	2	
WR415031	3765.	MUN119271010	1	2	0.0000		C4150_1	C415064150001			CITY
OF ABILENE						CEDAR CRK		5100000000	CFNU16	2	
WS KIRBY	5414.				0						

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Account/Source	Flow (cfs)	Rate	Volume	Category	Priority	Value	Location	Notes
WSSTMFRD 44024.						0		
SO		10000.	417933	BACKUP				
PX 2			2 515531					

WR417932	0.0	UNIFO19490608	1 2 0.0000	PAINT CRK		C4179_2	C417964179005	CITY
OF STAMFORD							4620000000	2
WSRC4179	190.	0.8109 0.6681	0 0					
WR418031	300.	MUN119390303	1 2 0.0000	DRY CALIFORNIA		C4180_1	C418064180001	CITY
OF HAMLIN							4619000000	2
WSRC4180	1900.	0.8109 0.6681	0 0					
WR418131	542.	MUN119500418	1 2 0.0000	THOMPSON		C4181_1	C418164181001	CITY
OF ANSON							4618600000	2
WSRC4181	2500.	0.4897 0.7633	0 0					
WR418231	0.0	UNIFO19750303	1 2 0.0000	CARTER CRK		C4182_1	C418264182301	CITY
OF ANSON							4618500000	2
WSRC4182	560.	0.8109 0.6681	0 0					
** Right contingent upon availability of sewage effluent from the City of Anson. Since								
** discharge records are not available from the City of Anson, remove right.								
**WR418331	150.	IRR119780508	1 2 0.0000			C4183_1	C418364183001	MARSHALL
D. O'DELL				CARTER CRK			4618400000	2
**WSRC4183	7.0	0.8109 0.6681	0 0					
WR418432	7.0	IRR119770725	1 2 0.0000			C4184_1	C418464184002	HASKELL
COUNTY COUNTRY CLUB				RED CRK			4616900000	2
WSRC4184	75.0	0.8109 0.6681	0 0					
IF418502	362.	UNIFO19750714	1				IFC4185_1	
WR418502	10.0	IRR119750714	1 2 0.0000			C4185_1	C418564185002	ERNEST
D. FINCHER				CLEAR FRK BRAZOS RIVER			4606000000	2
WR418541	0.0	IRR119750714	1 2 0.0000			C4185_2	C418564185401	ERNEST
D. FINCHER				CLEAR FRK BRAZOS RIVER			4606000000	2
WSRC4185	10.0	0.8109 0.6681	0 0					
** Diversions from Clear Fork into the reservoir not allowed May through August.								
WR418631	20.0	IRR119660916	1 2 0.0000			C4186_1	C418664186002	RAYMOND
C TAYLOR ET AL				CLEAR FRK BRAZOS RIVER			4602000000	2
WSRC4186	60.0	0.8109 0.6681	0 0					
WR418631	0.0	IRR119660916	1 2 0.0000			C4186_2	C418664186002	RAYMOND
C TAYLOR ET AL				CLEAR FRK BRAZOS RIVER			4602000000	2
WSRC4186	60.0	0.8109 0.6681	0 0					
SO		43. 418601		BACKUP				
ML 43.	43.	43. 43.	0. 0. 0. 0.					
WR418701	300.	IRR119521231	1 2 0.0000			C4187_1	C418764187001	BRECKENRIDGE
PARTNERSHIP LTD				CLEAR FRK BRAZOS RIVER			4596000000	2
WR418801	40.0	IRR119141231	1 2 0.0000			C4188_1	C418864188001	T
C HARRIS JR				CLEAR FRK BRAZOS RIVER			4595500000	2
WR418911	69.0	IRR119580831	1 2 0.0000			C4189_1	C418964189101	BRECKENRIDGE
PARTNERSHIP LTD				CLEAR FRK BRAZOS RIVER			4594500000	2
WR419001	70.0	IRR119491231	1 2 0.0000			C4190_1	C419064190001	BRECKENRIDGE
PARTNERSHIP LTD				CLEAR FRK BRAZOS RIVER			4594000000	2
**WR419104	195.	IRR119640531	1 2 0.0000			C4191_1	C419164191004	M
RAY PUCKETT EST ET AL				GIVENS			4591000000	2
** Bandy application 12-4191, New diversion point diverts 96.4122 out of original 195, jd - 3/30/04								
WR419104	98.5878	IRR119640531	1 2 0.0000			C4191_1	C419164191004	M
RAY PUCKETT EST ET AL				GIVENS			4591000000	2
WR419105	96.4122	BANDY19640531	1 2 0.0000			C4191_2	C419164191004	M
RAY PUCKETT EST ET AL				GIVENS			4591000000	2
**								
WR419201	30.0	IRR119151231	1 2 0.0000			C4192_1	C419264192001	MRS.
W. R. POWERS ESTATE				CLEAR FRK BRAZOS RIVER			4589000000	2
WR419331	0.0	D&L119200413	1 2 0.0000			C4193_1	C419364193301	MONTY
CHRIS CLEVELAND				CLEAR FRK BRAZOS RIVER			4587000000	2
WSRC4193	165.	0.8109 0.6681	0 0					
WR419431	60.0	MUN119630314	1 2 0.0000			C4194_1	C419464194001	CITY
OF WOODSON				KINGS CRK			4582000000	2
WSRC4194	1003.	0.8109 0.6681	0 0					
WR419501	22.0	IRR119620630	1 2 0.0000			C4195_1	C419564195001	GILBERT
E BRANDENBERGER ET UX				CLEAR FRK BRAZOS RIVER			4569000000	2
WR419601	18.0	IRR119670520	1 2 0.0000			C4196_1	C419664196001	JOE
DAVIS				CLEAR FRK BRAZOS RIVER			4567000000	2
WR419701	20.0	IRR119551231	1 2 0.0000			C4197_1	C419764197001	J
W SULLIVAN				CLEAR FRK BRAZOS RIVER			4566000000	2
WR419831	0.0	D&L119200216	1 2 0.0000			C4198_1	C419864198301	MONTY
CHRIS CLEVELAND				CLEAR FRK BRAZOS RIVER			4560000000	2
WSRC4198	430.	0.8109 0.6681	0 0					
WR420831	600.	MUN119410325	1 2 0.0000			C4208_1	C420864208001	CITY
OF ALBANY				SALT PRONG			4543000000	2
WSRC4208	2600.	0.8109 0.6681	0 0					
** Diversion and previous reservoir size expired, 200 acft storage is all that remains after expiration.								
** Do not comment out as regular type A term permit.								
WR420001	0.0	UNIFO19761115	1 2 0.0000			C4200_1	C420064200001	CHARLES
EZZELL ET UX				E FRK BRUSHY			4505000000	2
WSRC4200	200.	0.8109 0.6681	0 0					
WR420131	0.0	D&L119140619	1 2 0.0000			C4201_1	C420164201301	CITY
OF BAIRD				MEXIA			4501000000	2
WSRC4201	390.	0.4897 0.7633	0 0					

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WR420231	550.	MUN119490706	1	2	0.0000		C4202_1	C420264202001				CITY
OF BAIRD						MEXIA		4500000000	HCAL19	2		
WSRC4202	2070.	0.4897	0.7633		0							
WR420332	24.0	IRR119630731	1	2	0.0000		C4203_1	C420364203001				"A.
E. DYER, JR."						MEXIA		4499000000	HCAL19	2		
WSRC4203	7.5	0.4897	0.7633		0							
WR420401	16.0	IRR119630731	1	2	0.0000		C4204_1	C420464204001				KENNETH
M GEORGE & WIFE						MEXIA		4458000000	HCAL19	2		
WR420503	50.0	IRR119461231	1	2	0.0000		C4205_1	C420564205003				EUGENE
LEE FINLEY						MEXIA		4457500000	HCAL19	2		
WR420732	90.0	MUN119230402	1	2	0.0000		C4207_1	C420764207002				CITY
OF MORAN						DEEP CRK		4440000000	HCAL19	2		
WSRC4207	181.	0.8109	0.6681		0							
WR420931	50.0	IND119250303	1	2	0.0000		C4209_1	C420964209001				DAMSON
OIL CORP ET AL						DRY CRK		4410000000	HCBR21	2		
WSRC4209	773.	0.8109	0.6681		0							
WR421031	35.0	IRR119650531	1	2	0.0000		C4210_1	C421064210001				JAMES
R. GREEN						MCDOWELL		4402100000	HCBR21	2		
WSRC4210	72.0	0.4897	0.7633		0							
WR421131	1971.	MUN119200416	1	2	0.0000		C4211_1	C421164211001				CITY
OF CISCO						SANDY CRK		4390000000	BSBR20	2		
WS CISCO	9363.				0							
WR421131	0.0	UNIFO19290502	1	2	0.0000		C4211_2	C421164211001				CITY
OF CISCO						SANDY CRK		4390000000	BSBR20	2		
WS CISCO	25472.				0							
WR421131	56.0	IND119780905	1	2	0.0000		C4211_3	C421164211001				CITY
OF CISCO						SANDY CRK		4390000000	BSBR20	2		
WS CISCO	25472.				0							
WR421231	1000.	MUN119541108	1	2	0.0000		C4212_1	C421264212001				CITY
OF CISCO						BATTLE CRK		4320000000	BSBR20	2		
WSRC4212	110.	0.5228	0.8206		0							

** Domestic & livestock and irrigation uses revert back to mining 12/31/2000. Leave as is
 ** to be consistent with assumption of water rights as of July 2000.
 **

**** HDR - Subordination with PK *****												
WR421331	21008.	MUN119570528	1	2	0.0000		C4213S1	C4213	MUNSTEP			WEST
CENTRAL TEXAS MWD						HUBBARD		4255000000	HCBR21	2		
WSHUBBRD	314514.				0							
PX	1											
WR421331	21008.	MUN119570528	1	2	0.0000		C4213_1	C4213	MUNSTEP			WEST
CENTRAL TEXAS MWD						HUBBARD		4255000000	HCBR21	2		
WSHUBBRD	314514.				0							
PX	2	2	515531									
WR421331	17362.	MUN119570528	1	4	RABIL1	103341	C4213S2	C4213	MUNSTEP			WEST
CENTRAL TEXAS MWD						HUBBARD		4255000000	HCBR21	2		
WSHUBBRD	314514.				0							
PX	1											
WR421331	17362.	MUN119570528	1	4	RABIL1	103341	C4213_2	C4213	MUNSTEP			WEST
CENTRAL TEXAS MWD						HUBBARD		4255000000	HCBR21	2		
WSHUBBRD	314514.				0							
PX	2	2	515531									
WR421331	1882.	MUN119570528	1	2	0.0000		C4213S3	C4213	MUNSTEP			WEST
CENTRAL TEXAS MWD						HUBBARD		4255000000	HCBR21	2		
WSHUBBRD	314514.				0							
PX	1											
WR421331	1882.	MUN119570528	1	2	0.0000		C4213_3	C4213	MUNSTEP			WEST
CENTRAL TEXAS MWD						HUBBARD		4255000000	HCBR21	2		
WSHUBBRD	315817.				0							
PX	2	2	515531									
WR421331	2061.	MUN119570528	1	2	0.0000		C4213S4	C4213	MUNSTEP			WEST
CENTRAL TEXAS MWD						HUBBARD		4255000000	HCBR21	2		
WSHUBBRD	314514.				0							
PX	1											
WR421331	2061.	MUN119570528	1	2	0.0000		C4213_4	C4213	MUNSTEP			WEST
CENTRAL TEXAS MWD						HUBBARD		4255000000	HCBR21	2		
WSHUBBRD	314514.				0							
PX	2	2	515531									
WR421331	2487.	MUN119570528	1	4	R42131	100401	C4213S5	C4213	MUNSTEP			WEST
CENTRAL TEXAS MWD						HUBBARD		4255000000	HCBR21	2		
WSHUBBRD	314514.				0							
PX	1											
WR421331	2487.	MUN119570528	1	4	R42131	100401	C4213_5	C4213	MUNSTEP			WEST
CENTRAL TEXAS MWD						HUBBARD		4255000000	HCBR21	2		
WSHUBBRD	314514.				0							
PX	2	2	515531									
WR421331	2000.	D&L119720814	1	2	0.0000		C4213S6	C4213	D&LSTEP			WEST
CENTRAL TEXAS MWD						HUBBARD		4255000000	HCBR21	A 2		
WSHUBBRD	314514.				0							
PX	1											
WR421331	2000.	D&L119720814	1	2	0.0000		C4213_6	C4213	D&LSTEP			WEST
CENTRAL TEXAS MWD						HUBBARD		4255000000	HCBR21	A 2		
WSHUBBRD	314514.				0							
PX	2	2	515531									

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WR421331 1200. CENTRAL TEXAS MWD WSHUBBRD 314514. PX 1	IND119570528	1 2 0.0000	HUBBARD	C4213S7 C4213 INDSTEP 4255000000 HCBR21	2	WEST
WR421331 1200. CENTRAL TEXAS MWD WSHUBBRD 314514. PX 2	IND119570528	1 2 0.0000	HUBBARD	C4213_7 C4213 INDSTEP 4255000000 HCBR21	2	WEST
WR421331 6000. CENTRAL TEXAS MWD WSHUBBRD 314514. PX 1	MIN119570528	1 2 0.0000	HUBBARD	C4213S8 C4213 MINSTEP 4255000000 HCBR21	2	WEST
WR421331 6000. CENTRAL TEXAS MWD WSHUBBRD 314514. PX 2	MIN119570528	1 2 0.0000	HUBBARD	C4213_8 C4213 MINSTEP 4255000000 HCBR21	2	WEST
WR421331 2000. CENTRAL TEXAS MWD WSHUBBRD 314514. PX 1	IRR119720814	1 2 0.0000	HUBBARD	C4213S9 C4213 IRRSTEP 4255000000 HCBR21	A 2	WEST
WR421331 2000. CENTRAL TEXAS MWD WSHUBBRD 314514. PX 2	IRR119720814	1 2 0.0000	HUBBARD	C4213_9 C4213 IRRSTEP 4255000000 HCBR21	A 2	WEST

WR421531 6.0 C. FAMBRO & SONS WSRC4215 7.0	IRR119470731	1 2 0.0000	GONZALES CRK	C4215_1 C421564215001 4210100000 CFEL22	2	T.
WR421431 2100. OF BRECKENRIDGE WSDANIEL 9067.	MUN119460426	1 4 R42131 100401	GONZALES CRK	C4214_1 C421464214001 4210000000 CFEL22	2	CITY
WR421602 30.0 SATTERWHITE WR421731 218.	IRR119660430	1 2 0.0000	GONZALES CRK	C4216_1 C421664216002 4125000000 CFEL22	2	SARAH
MULESHOE RANCH LTD WSRC4217 375.	MIN119750428	1 2 0.0000	BIG CRK	C4217_1 C421764217001 4115010000 CFEL22	B 2	SWANSON
WR421802 32.0 T ROBERTSON JR WR421902 22.0	IRR119550630	1 2 0.0000	HUBBARD	C4218_1 C421864218002 4083100000 CFEL22	2	JACK
PEARL ROBERTSON WR422001 39.0	IRR119451231	1 2 0.0000	HUBBARD	C4219_1 C421964219002 4083050000 CFEL22	2	ELLA
PEARL ROBERTSON WR422101 42.0	IRR119640430	1 2 0.0000	HUBBARD	C4220_1 C422064220001 4083000000 CFEL22	2	ELLA
PEARL ROBERTSON WR419931 98.0	IRR119490831	1 2 0.0000	HUBBARD	C4221_1 C422164221001 4082950000 CFEL22	2	ELLA
D WOODWARD WSRC4199 3.0	IRR119241231	1 2 0.0000	CLEAR FRK BRAZOS RIVER	C4199_1 C419964199003 4082900000 CFEL22	2	OWEN
WR419931 0.0 D WOODWARD WSRC4199 3.0	IRR119241231	1 2 0.0000	CLEAR FRK BRAZOS RIVER	C4199_2 C419964199003 4082900000 CFEL22	2	OWEN
SO 98. 419901 WR422201 45.0	IRR119610430	1 2 0.0000	BACKUP	C4222_1 C422264222001 4055500000 CFEL22	2	ELLA
PEARL ROBERTSON WR422301 97.0	IND119260601	1 2 0.0000	CLEAR FRK BRAZOS RIVER	C4223_1 C422364223001 3995500000 CFEL22	2	BRECKENRIDGE
GASOLINE CO WR422431 0.0	UNIFO19200316	1 2 0.0000	CLEAR FRK BRAZOS RIVER	C4224_1 C422464224301 3970000000 CFEL22	2	BRECKENRIDGE
GASOLINE CO. WSRC4224 454.	IRR119541231	1 2 0.0000	CLEAR FRK BRAZOS RIVER	C4225_1 C422564225001 3965500000 BRBSB23	2	E
E RILEY WR422601 628.	IRR119610630	1 2 0.0000	CLEAR FRK BRAZOS RIVER	C4226_1 C422664226001 3961000000 BRBSB23	2	SAMUEL
JOHN ROACH WR422701 181.	IRR119460831	1 2 0.0000	CLEAR FRK BRAZOS RIVER	C4227_1 C422764227001 3960500000 BRBSB23	2	"C.
R. BALDWIN, JR." WR416801 15.0	IRR119560531	1 2 0.0000	CLEAR FRK BRAZOS RIVER	C4168_1 C416864168001 3951000000 BRBSB23	2	ZOHN
MILAM WR345301 100.	MIN119601219	1 1 1.0000	BRAZOS RIVER	C3453_1 C345363453001 3832000000 SHGR26	2	PITCOCK
BROTHERS READY-MIX WR345431 64.0	IRR119650831	1 2 0.0000	SALT CRK	C3454_1 C345463454001 3826000000 GHGH24	2	ROBERT
O ANDREWS FAMILY TRUST WSRC3454 4.0	0.8109 0.6681	0 0				
** Do not model, because right is contingent on contract with City of Graham.						
**WR516501 376. DEVELOPMENT CO	MIN119871222	1 2 0.0000	SALT CRK	P5165_1 P516515165001 3814000000 NAEA66	2	PARKER&PARSLEY
WR345501 76.0 D CROW & WANDA L CROW	IND119670630	1 2 0.0000	HOWARD CRK	C3455_1 C345563455001 3812800000 GHGH24	2	CHARLES
WR345501 6.0 D CROW & WANDA L CROW	IND119770620	1 2 0.0000	HOWARD CRK	C3455_2 C345563455001 3812800000 GHGH24	2	CHARLES
WSRC3455 82.0	0.8109 0.6681	0 0				
WR345632 59.0 D STEPHENS	IRR119591231	1 2 0.0000	SALT CRK	C3456_1 C345663456002 3810000000 GHGH24	2	RONALD
WSRC3456 55.0	0.8109 0.6681	0 0				
WR345732 60.0 PITCOCK JR ET AL	IRR119691208	1 2 0.0000	BRIAR BR	C3457_1 C345763457002 3808500000 GHGH24	2	LOUIS

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WSRC3457	24.0	0.8109	0.6681	0	0						
WR345911	12.0	IRR119640831		1	2	0.0000		C3459_1	C345963459101	ZACK	
BURKETT							SALT CRK		3808250000	GHGH24	2
WR346001	76.0	IRR119280820		1	2	0.0000		C3460_1	C346063460001	EAFCO	
LIMITED PARTNERSHIP							SALT CRK		3807500000	SHGR26	2
** Model Lakes Eddleman and Graham as a single combined reservoir. Control Point D34583											
** is a dummy control point that utilizes the combined watersheds of both reservoirs.											
WRD34583	4000.	MUN119271121		1	4	R34581	104871	C3458_1	C345863458004	CITY	
OF GRAHAM							FLINT CRK		3805000000	GHGH24	2
WSEDLGRM	4503.										
WRD34583	1000.	IND119271121		1	2	0.0000		C3458_2	C345863458004	CITY	
OF GRAHAM							FLINT CRK		3805000000	GHGH24	2
WSEDLGRM	4503.										
WRD34583	7000.	MUN119541115		1	4	R34581	104871	C3458_3	C345863458004	CITY	
OF GRAHAM							FLINT CRK		3805000000	GHGH24	2
WSEDLGRM	34410.										
WRD34583	7400.	IND119541115		1	2	0.0000		C3458_4	C345863458004	CITY	
OF GRAHAM							FLINT CRK		3805000000	GHGH24	2
WSEDLGRM	34410.										
WRD34583	100.	IRR119541115		1	2	0.0000		C3458_5	C345863458004	CITY	
OF GRAHAM							FLINT CRK		3805000000	GHGH24	2
WSEDLGRM	34410.										
WRD34583	500.	MIN119541115		3	2	0.0000		C3458_6	C345863458004	CITY	
OF GRAHAM							FLINT CRK		3805000000	GHGH24	2
WSEDLGRM	34410.										
WRD34583	0.0	MUN119571116		1	2	0.0000		C3458_7	C345863458004	CITY	
OF GRAHAM							FLINT CRK		3805000000	GHGH24	2
WSEDLGRM	34410.										
WR345833	0.0	UNIFO19820208		1	2	0.0000		C3458_8	C345863458003	CITY	
OF GRAHAM							FLINT CRK		3805000000	SHGR26	2
WSRC3458	40.	0.8109	0.6681								
WR346101	27.0	IRR119630331		1	2	0.0000		C3461_1	C346163461001	MRS	
T T CAMPBELL							SALT CRK		3787000000	SHGR26	2
WR346231	90.0	MUN119770801		1	2	0.0000		C3462_1	C346263462001	CITY	
OF BRYSON							E ROCK CRK		3681000000	SHGR26	2
WSRC3462	950.	0.8109	0.6681								
WR346301	16.0	IRR119631231		1	2	0.0000		C3463_1	C346363463001	LORETTA	
JANE LEACH							ROCK CRK		3677000000	SHGR26	2

** Possum Kingdom

** FNI change

** FERC requirements. Using drought index for top 2 tiers

** make most junior to include releases (although second pass probably would do that), back up storage, limit to inflow (515501)

IF515531 52897 PKFERC99999999 3 1 IFPOSDOM_UP

TO 2 MIN 515501

WSPOSDOM 528007. 0

OR515531

PX 2

**

IF5155IF 26449 PKFERC99999999 3 2 IFPOSDOM_MID

TO 2 MIN 515501

WSPOSDOM 528007. 0

OR515531

PX 2

** 20 cfs, no drought index

IFSHGR26 14491 DAYS99999999 3 IFPOSDOM_20

TO 2 MIN 515501

WSPOSDOM 528007. 0

OR515531

PX 2

**

**** HDR - Subordination WR ****

WR515531	0.	19380405		1	2	0.0000		C5155_0	C5155	IRRPALO	SUBORDINATION
BRAZOS RIVER									3470000000	SHGR26	3
WSPOSDOM 528007.									0		
PX	3										
**											
WR515531	0.	MIN219490803		1				C5155BU1	C515565155001		SUBORDINATION
BRAZOS RIVER									3470000000	SHGR26	3
WSPOSDOM 528007.									0		
BU	0										
PX	2	C4139_1									
**											
WR515531	0.	MIN219811005		1				C5155BU2	C515565155001		SUBORDINATION
BRAZOS RIVER									3470000000	SHGR26	3
WSPOSDOM 528007.									0		
BU	0									P4146	
PX	2										
**											
WR515531	0.	MIN219490608		1				C5155BU3	C515565155001		SUBORDINATION
BRAZOS RIVER									3470000000	SHGR26	3
WSPOSDOM 528007.									0		
BU	0										
PX	2	C4179_3									

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WR515531	0.	MIN219570528	1			C5155B04	C515565155001		SUBORDINATION
BRAZOS RIVER				3470000000	SHGR26	3			
WSPOSDOM	528007.			0					
BU	0		C4213						
PX	2								

** IBT of 5240 acft/yr to Trinity River Basin at priority of 11/07/1986 (part of system operations)									
** is modeled in Run 8 with loss of priority. Hydroelectric use is authorized as a non-priority right.									
WR515531	1000.	MUN219380406	1	2	0.0000	027891	C5155_1	C515565155001	BRAZOS
RIVER AUTHORITY									
BRAZOS RIVER								3470000000	SHGR26
WSPOSDOM	528007.								3
PX	1								
WR515531	237.	MUN219380406	1	2	0.0000		C5155_2	C515565155001	BRAZOS
RIVER AUTHORITY									
BRAZOS RIVER								3470000000	SHGR26
WSPOSDOM	528007.								3
PX	1								
WR515531	1200.	MUN219380406	1	4	R43551	101102	C5155_3	C515565155001	BRAZOS
RIVER AUTHORITY									
BRAZOS RIVER								3470000000	SHGR26
WSPOSDOM	528007.								3
PX	1								
WR515531	315.	MUN219380406	1	4	R51711	106271	C5155_4	C515565155001	BRAZOS
RIVER AUTHORITY									
BRAZOS RIVER								3470000000	SHGR26
WSPOSDOM	528007.								3
PX	1								
WR515531	473.	MUN219380406	1	4	R51711	104101	C5155_5	C515565155001	BRAZOS
RIVER AUTHORITY									
BRAZOS RIVER								3470000000	SHGR26
WSPOSDOM	528007.								3
PX	1								
WR515531	2051.	MUN219380406	1	4	R51711	105685	C5155_6	C515565155001	BRAZOS
RIVER AUTHORITY									
BRAZOS RIVER								3470000000	SHGR26
WSPOSDOM	528007.								3
PX	1								
WR515531	3549.	MUN219380406	1	4	R51711	103751	C5155_7	C515565155001	BRAZOS
RIVER AUTHORITY									
BRAZOS RIVER								3470000000	SHGR26
WSPOSDOM	528007.								3
PX	1								
WR515531	1499.	MUN219380406	1	4	R51711	101731	C5155_8	C515565155001	BRAZOS
RIVER AUTHORITY									
BRAZOS RIVER								3470000000	SHGR26
WSPOSDOM	528007.								3
PX	1								
WR515531	40753.	MUN219380406	1	2	0.0000		C5155_9	C515565155001	BRAZOS
RIVER AUTHORITY									
BRAZOS RIVER								3470000000	SHGR26
WSPOSDOM	528007.								3
PX	1								
WR515531	5240.	MUN219380406	1	2	0.0000		C5155_10	C515565155001	BRAZOS
RIVER AUTHORITY									
BRAZOS RIVER								3470000000	SHGR26
WSPOSDOM	528007.								3
PX	1								
WR515531	168.	IND219380406	1	2	0.0000		C5155_11	C515565155001	BRAZOS
RIVER AUTHORITY									
BRAZOS RIVER								3470000000	SHGR26
WSPOSDOM	528007.								3
PX	1								
WR515531	107447.	IND219380406	1	2	0.0000		C5155_12	C515565155001	BRAZOS
RIVER AUTHORITY									
BRAZOS RIVER								3470000000	SHGR26
WSPOSDOM	528007.								3
PX	1								
WR515531	371.	IND219380406	1	2	0.0000		C5155_13	C515565155001	BRAZOS
RIVER AUTHORITY									
BRAZOS RIVER								3470000000	SHGR26
WSPOSDOM	528007.								3
PX	1								
WR515531	31538.	IND219380406	1	2	0.0000		C5155_14	C515565155001	BRAZOS
RIVER AUTHORITY									
BRAZOS RIVER								3470000000	SHGR26
WSPOSDOM	528007.								3
PX	1								
WR515531	1273.	IRR219380406	1	2	0.0000		C5155_15	C515565155001	BRAZOS
RIVER AUTHORITY									
BRAZOS RIVER								3470000000	SHGR26
WSPOSDOM	528007.								3
PX	1								
WR515531	840.	IRR219380406	1	2	0.0000		C5155_16	C515565155001	BRAZOS
RIVER AUTHORITY									
BRAZOS RIVER								3470000000	SHGR26
WSPOSDOM	528007.								3
PX	1								
WR515531	10099.	IRR219380406	1	2	0.0000		C5155_17	C515565155001	BRAZOS
RIVER AUTHORITY									
BRAZOS RIVER								3470000000	SHGR26
WSPOSDOM	528007.								3
PX	1								
WR515531	18924.	MIN219380406	1	2	0.0000		C5155_18	C515565155001	BRAZOS
RIVER AUTHORITY									
BRAZOS RIVER								3470000000	SHGR26
WSPOSDOM	528007.								3
PX	1								
WR515531	158.	MIN219380406	1	2	0.0000		C5155_19	C515565155001	BRAZOS
RIVER AUTHORITY									
BRAZOS RIVER								3470000000	SHGR26
WSPOSDOM	528007.								3
PX	1								

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WR515531 15. MIN219380406 1 2 0.0000 C5155_20 C515565155001 BRAZOS
RIVER AUTHORITY BRAZOS RIVER 3470000000 SHGR26 3
WSPOSDOM 528007. 0
PX 1
WR515531 3600. HYD219380406 1 2 0.0000 C5155_21 C515565155001
WSPOSDOM 528007. 0
PX 1
** BRA and Brazos Electric Utilities hold a 3,600 acft/yr contract that represents the firm yield
** lost from Possum Kingdom, Whitney, and Granbury due to FERC instream flow requirements at Possum
** Kingdom. Downstream releases for hydropower generation and contractual commitments will frequently
** satisfy the FERC requirements. Because the WAM does not include downstream releases to contractual
** commitments, inflows would be passed through the reservoir more frequently solely to satisfy the FERC
** requirements. Do not model the the FERC requirements. Instead, include the 3,600 acft/yr contract as part
** of the authorized diversions from the reservoir with 100% returned immediately downstream.
**WR515531 3600. HYD219380406 3 1 1.0000 515551 C5155_21 C515565155001 BRAZOS
RIVER AUTHORITY BRAZOS RIVER 3470000000 SHGR26 3
**WSPOSDOM 528007. 0
**PX 3
** SysOp Change:
** Calculate the total depletion for water right 5155.
WRSR5155 19380406 Compute Dep 5155 SYSTEM
TO 6 1.0 ADD C5155_1 CONT
TO 6 1.0 ADD C5155_2 CONT
TO 6 1.0 ADD C5155_3 CONT
TO 6 1.0 ADD C5155_4 CONT
TO 6 1.0 ADD C5155_5 CONT
TO 6 1.0 ADD C5155_6 CONT
TO 6 1.0 ADD C5155_7 CONT
TO 6 1.0 ADD C5155_8 CONT
TO 6 1.0 ADD C5155_9 CONT
TO 6 1.0 ADD C5155_10 CONT
TO 6 1.0 ADD C5155_11 CONT
TO 6 1.0 ADD C5155_12 CONT
TO 6 1.0 ADD C5155_13 CONT
TO 6 1.0 ADD C5155_14 CONT
TO 6 1.0 ADD C5155_15 CONT
TO 6 1.0 ADD C5155_16 CONT
TO 6 1.0 ADD C5155_17 CONT
TO 6 1.0 ADD C5155_18 CONT
TO 6 1.0 ADD C5155_19 CONT
TO 6 1.0 ADD C5155_20 CONT
TO 6 1.0 ADD C5155_21
PX 4
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
WRSR5155 9999999 19380406 Depletion 5155 SYSTEM
PX 5
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
WR515531 0 19380406 1.0000 5155DP Lumped Dep 5155 SYSTEM lsimdep
TO 11 1.0 ADD Depletion 5155
PX 2
**
** Special code to output storage from first simulation
WRPK_dum 19380406 1simPKstor look
TO 4 SET POSDOM
PX 4
WRPK_dum 9999999 XMONTH19380406 2simPKstor look
PX 5
** end FNI change
**
WR399901 25.0 IRR219560816 1 2 0.0000 C3999_1 C399963999001 MARVIN
H MCMURREY JR ETAL BRAZOS RIVER 3448000000 BRPP27 3
WR400001 31.0 IRR219630430 1 2 0.0000 C4000_1 C400064000001 CURTIS
MITCHELL BRAZOS RIVER 3427700000 BRDE29 3
WR400101 40.0 IRR219620531 1 2 0.0000 C4001_1 C400164001001 JENNIE
M & M F EWTON BRAZOS RIVER 3427400000 BRDE29 3
WR400231 15.0 IRR219651231 1 2 0.0000 C4002_1 C400264002001 MARJORIE
M YOWELL TRUSTEE TWO BUSH BR 3427300000 BRDE29 3
WSRC4002 200. 0.4897 0.7633 0 0
WR400331 41.0 IRR219740930 1 2 0.0000 C4003_1 C400364003001 MRS
G C MOORE MOORE CRK 3427270000 BRDE29 3
WSRC4003 197. 0.5228 0.8206 0 0
WR400401 5.0 MUN219320318 1 2 0.0000 C4004_1 C400464004001 CITY
OF GRAFORD E FRK KEECHI CRK 3427100000 BRDE29 3
WR400431 50.0 MUN219570201 1 2 0.0000 C4004_2 C400464004001 CITY
OF GRAFORD E FRK KEECHI CRK 3427100000 BRDE29 3
WSRC4004 50.0 0.5228 0.8206 0 0
** Two reservoirs modeled as a single reservoir.
WR400532 781. IRR219320430 1 2 0.0000 C4005_1 C400564005004 W.
J. RHODES ETAL BRAZOS RIVER 3411500000 BRDE29 3
WSRC4005 250. 0.5228 0.8206 0 0
    
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WR400601	63.0	IRR219581231	1	2	0.0000		C4006_1	C400664006001			"SAN
ROC, LLC"						POLLARD CRK		3409000000	BRDE29	3	
** Right is contingent upon return flows from City of Mineral Wells under Certificate 4039.											
WR400701	50.0	IRR219760607	1	2	0.0000		C4007_1	C400764007001			MARY
E. RIPPETOE						POLLARD CRK		3408900000	BRDE29	B 3	
SO		105852									
WR400901	24.0	IRR219621231	1	2	0.0000		C4009_1	C400964009001			ERNEST
E. AMMONS						BRAZOS RIVER		3408600000	BRDE29	3	
WR400901	33.0	IRR219621231	1	2	0.0000		C4010_1	C401064009001			CHARLES
W. & JEAN WELCH						BRAZOS RIVER		3408500000	BRDE29	3	
WR400801	110.	IRR219560701	1	2	0.0000		C4008_1	C400864008001			W.
A. CAREY						BRAZOS RIVER		3408250000	BRDE29	3	
WR401101	8.0	IRR219660731	1	2	0.0000		C4011_1	C401164011001			"JACKIE
LEE CHASTAIN, ET AL"						BRAZOS RIVER		3407500000	BRDE29	3	
WR401431	500.	IRR219260412	1	2	0.0000		C4014_1	C401464014001			FRED
HAGAMAN ET AL						N FRK PALO PINTO CRK		3400000000	PPSA28	3	
WSRC4014	1158.	0.5228	0.8206			0		0			
WR401431	100.	IND219260412	1	2	0.0000		C4014_2	C401464014001			FRED
HAGAMAN ET AL						N FRK PALO PINTO CRK		3400000000	PPSA28	3	
WSRC4014	1158.	0.5228	0.8206			0		0			
WR401501	27.0	IRR219631231	1	2	0.0000		C4015_1	C401564015001			FRED
HAGAMAN ET AL						N FRK PALO PINTO CRK		3394500000	PPSA28	3	
WR401631	22.0	IRR219710517	1	2	0.0000		C4016_1	C401664016001			HUBERT
H CAPPS						RUSSELL CRK		3365500000	PPSA28	3	
WSRC4016	12.0	0.5228	0.8206			0		0			
WR401731	40.0	IRR219731119	1	2	0.0000		C4017_1	C401764017001			LYNDAL
D GARNER JR ET UX						RUSSELL CRK		3365300000	PPSA28	3	
WSRC4017	188.	0.5228	0.8206			0		0			
** Shares reservoir with C4017. Do not model 48 acft off-channel reservoir, because diversion from											
** on-channel reservoir can be used directly and is insufficient to refill off-channel reservoir											
** in a given year.											
WR401731	40.0	IRR219731119	1	2	0.0000		C4018_1	C401864018001			ROSS
HODGES						RUSSELL CRK		3365290000	PPSA28	3	
WSRC4017	188.0	0.5228	0.8206			0		0			
WR401931	160.	MUN219370419	1	2	0.0000		C4019_1	C401964019001			CITY
OF STRAWN						RUSSELL CRK		3360000000	PPSA28	3	
WSRC4019	1200.	0.5228	0.8206			0		0			
WR402001	362.	IRR219630215	1	2	0.0000		C4020_1	C402064020001			PERRY
R. HORTON ETAL						PALO PINTO CRK		3354100000	PPSA28	3	
WR402101	30.0	IRR219710301	1	2	0.0000		C4021_1	C402164021001			R.
J. CARAWAY						SALTY CRK		3353750000	PPSA28	3	
WR402101	41.0	MIN219710301	1	2	0.0000		C4021_2	C402164021001			R.
J. CARAWAY						SALTY CRK		3353750000	PPSA28	3	
WR402201	60.0	IRR219630430	1	2	0.0000		C4022_1	C402264022001			PENNY
SPARKS						PALO PINTO CRK		3353500000	PPSA28	3	
WR402331	30.0	IRR219640430	1	2	0.0000		C4023_1	C402364023001			A.
D. CRAWFORD						W FRK PALO PINTO CRK		3353000000	PPSA28	3	
WSRC4023	30.0	0.5228	0.8206			0		0			
WR402531	60.0	MUN219731015	1	2	0.0000		C4025_1	C402564025002			TARRANT
INVESTMENT CO INC						GIBSON CRK		3350490000	PPSA28	3	
WSRC4025	700.	0.5228	0.8206			0		0			
WR402531	30.0	MIN219731015	1	2	0.0000		C4025_2	C402564025002			TARRANT
INVESTMENT CO INC						GIBSON CRK		3350490000	PPSA28	3	
WSRC4025	700.	0.5228	0.8206			0		0			
WR402531	0.0	UNIF019731015	1	2	0.0000		C4025_3	C402564025002			TARRANT
INVESTMENT CO INC						GIBSON CRK		3350490000	PPSA28	3	
WSRC4025	700.	0.5228	0.8206			0		0			
WR402531	20.0	MUN219731015	1	2	0.0000		C4026_1	C402664026001			"THURBER
LAKE RESORT, INC."						GIBSON CRK		3350485000	PPSA28	3	
WSRC4025	700.	0.5228	0.8206			0		0			
WR402531	0.0	UNIF019731015	1	2	0.0000		C4026_2	C402664026001			"THURBER
LAKE RESORT, INC."						GIBSON CRK		3350485000	PPSA28	3	
WSRC4025	700.	0.5228	0.8206			0		0			
WR402731	80.0	IRR219650120	1	2	0.0000		C4027_1	C402764027001			JACK
R DAUGHERTY						GIBSON CRK		3350000000	PPSA28	3	
WSRC4027	969.	0.5228	0.8206			0		0			
WR402431	115.	MUN219730604	1	2	0.0000		C4024_1	C402464024001			CITY
OF GORDON						PANTHER CRK		3349500000	PPSA28	3	
WSRC4024	698.	0.5228	0.8206			0		0			
WR402432	45.0	MUN219780522	1	2	0.0000		C4024_2	C402464024002			CITY
OF GORDON						PANTHER CRK		3349500000	PPSA28	3	
WSLC4024	60.0	0.5228	0.8206			0		0			
WR402431	245.	MUN219911031	1	2	0.0000		C4024_3	C402464024001			CITY
OF GORDON						PANTHER CRK		3349500000	PPSA28	3	
WSRC4024	1023.	0.5228	0.8206			0		0			
WR402831	38.0	IRR219330531	1	2	0.0000		C4028_1	C402864028003			J
L MCDANIEL						BARTON CRK		3348750000	PPSA28	3	
WSRC4028	30.0	0.5228	0.8206			0		0			
WR402931	2.0	IRR219700105	1	2	0.0000		C4029_1	C402964029001			"EARL
WADDELL, INC."						DRY CRK		3348200000	PPSA28	3	
WSRC4029	26.0	0.5228	0.8206			0		0			
WR403031	0.0	UNIF019770207	1	2	0.0000		C4030_1	C403064030301			"EARL
WADDELL, INC."						JOE'S CRK		3347500000	PPSA28	3	
WSRC4030	307.	0.5228	0.8206			0		0			

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WR403201	16.0	IRR219650731	1	2	0.0000		C4032_1	C403264032001		CHARLIE
RAY COCKBURN						PALO PINTO CRK		3346000000	PPSA28	3
** Four reservoirs combined into one single reservoir.										
WR403331	0.0	IND219720626	1	2	0.0000		C4033_1	C403364033001		JAMES
R. & JANICE MOORE						PALO PINTO CRK		3345800000	PPSA28	3
WSRC4033	24.0	0.5228	0.8206		0	0				
WR403331	0.0	IND219720626	1	2	0.0000		C4033_2	C403364033001		JAMES
R. & JANICE MOORE						PALO PINTO CRK		3345800000	PPSA28	3
WSRC4033	24.0	0.5228	0.8206		0	0				
SO		12.	403301			BACKUP				
WR403401	30.0	IRR219550331	1	2	0.0000		C4034_1	C403464034001		J
L MCDANIEL						BIG SUNDAY		3345710000	PPSA28	3
WR403501	5.0	IRR219631231	1	2	0.0000		C4035_1	C403564035001		J.
E. MCDANIEL						BIG SUNDAY		3345700000	PPSA28	3
WR403631	55.0	IRR219771011	1	2	0.0000		C4036_1	C403664036001		"EARL
WADDELL, INC."						PANAMA CRK		3345550000	PPSA28	3
WSRC4036	139.	0.5228	0.8206		0	0				
WR403701	100.	IRR219650430	1	2	0.0000		C4037_1	C403764037001		ROY
E SQUYRES ET AL						PALO PINTO CRK		3344500000	PPSA28	3
WR403801	150.	IRR219640531	1	2	0.0000		C4038_1	C403864038001		HERMAN
PETTY						PALO PINTO CRK		3339500000	BRDE29	3
** Total diversion amount of this right in conjunction with the C4039 is limited to 16,000 acft/yr.										
** The 1153 acft reservoir associated with P5447 is not included in operations with Lake Palo Pinto.										
** Returns apportioned to control points according to permitted discharge amounts.										
WR403131	5200.	MUN219620703	1	4	R40311	105852	C4031_1	C403164031001		PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3
WSPLPNT0	25365.					0				
WR403131	2800.	MUN219620703	1	4	R40311	105851	C4031_2	C403164031001		PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3
WSPLPNT0	25365.					0				
WR403131	1300.	MUN219620703	1	4	R40311	105852	C4031_3	C403164031001		PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3
WSPLPNT0	25365.					0				
WR403131	700.	MUN219620703	1	4	R40311	105851	C4031_4	C403164031001		PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3
WSPLPNT0	25365.					0				
WR403131	3480.	IND219620703	1	2	0.0000		C4031_5	C403164031001		PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3
WSPLPNT0	25365.					0				
WR403131	0.0	MUN219640908	1	2	0.0000		C4031_6	C403164031001		PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3
WSPLPNT0	25365.					0				
WR403132	0.	MUN219640908	1	2	0.0000		C4031_7	C403164031002		PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	BRDE29	3
WSCD4031	24.0	0.5228	0.8206		0	0				
WR401201	236.	IRR219640930	1	2	0.0000		C4012_8	C401264012001		EARL
W. & ANITA GARDNER						PALO PINTO CRK AND BRAZOS RIVER		3335500000	BRDE29	3
** IF states owner shall not divert water from the Brazos River during the period										
** June 1 through September 30 inclusive unless USGS gauge at Richmond is										
** equal to or greater than 1000 cfs. The 7 reservoirs were lumped together into 3 separate reservoirs.										
** The right is set up to use these reservoirs as backups since they are not allowed to refill from										
** the Brazos.										
IFBRR170	241987.	IFD03119471114				1	IFC4013_1			
WR401304	1329.	IRR219471114	1	2	0.0000		C4013_1	C401364013004		ROCKING
W RANCH LP						BRAZOS RIVER		3330000000	BRDE29	3
WR401333	0.	IRR219471114	1	2	0.0000		C4013_2	C401364013007		ROCKING
W RANCH LP						BRAZOS RIVER		3330000000	BRDE29	3
WS1C4013	442.	0.5228	0.8206		0	0				
SO						BACKUP				
WR401335	0.	IRR219471114	1	2	0.0000		C4013_3	C401364013009		ROCKING
W RANCH LP						BRAZOS RIVER		3330000000	BRDE29	3
WS2C4013	120.	0.5228	0.8206		0	0				
SO						BACKUP				
WR401337	0.	IRR219471114	1	2	0.0000		C4013_4	C401364013011		ROCKING
W RANCH LP						BRAZOS RIVER		3330000000	BRDE29	3
WS3C4013	84.	0.5228	0.8206		0	0				
SO						BACKUP				
IFBRR170	0	IFD03119471114				1	IFC4013_2			
** This reservoir is associated with C4031, but not used in the operations of that system.										
WR544731	0.0	UNIFO99999999	1	2	0.0000		P5447_1	P544715447301		PALO
PINTO M W D #1						UNNAMED TRIB		3328000000	BRDE29	3
WSRP5447	1153.	0.5228	0.8206		0	0				
WR403931	1092.	MUN219201115	1	4	R40311	105852	C4039_1	C403964039001		CITY
OF MINERAL WELLS						ROCK CRK		3325000000	BRDE29	3
WSMNRLWL	5144.					0				
WR403931	588.	MUN219201115	1	4	R40311	105851	C4039_2	C403964039001		CITY
OF MINERAL WELLS						ROCK CRK		3325000000	BRDE29	3
WSMNRLWL	5144.					0				
WR403931	546.	MUN219430322	1	4	R40311	105852	C4039_3	C403964039001		CITY
OF MINERAL WELLS						ROCK CRK		3325000000	BRDE29	3
WSMNRLWL	5144.					0				
WR403931	294.	MUN219430322	1	4	R40311	105851	C4039_4	C403964039001		CITY
OF MINERAL WELLS						ROCK CRK		3325000000	BRDE29	3
WSMNRLWL	5144.					0				

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WR404031	8.0	IRR219661031	1	2	0.0000	C4040_1	C404064040001		DELMAR
& MARTHA JANE KING							3314500000 BRDE29	3	
WS1C4040	10.0	0.5228 0.8206		0	0				
WR404032	30.0	IRR219820426	1	2	0.0000	C4040_2	C404064040002		DELMAR
& MARTHA JANE KING							3314500000 BRDE29	3	
WS2C4040	50.0	0.5228 0.8206		0	0				
WR404131	8.0	IRR219650831	1	2	0.0000	C4041_1	C404164041001		R
E WALDEN							3314150000 BRDE29	3	
WSRC4041	8.0	0.5228 0.8206		0	0				
WR404231	42.0	IRR219650831	1	2	0.0000	C4042_1	C404264042001		R
E WALDEN							3314000000 BRDE29	3	
WSRC4042	30.0	0.5228 0.8206		0	0				
**WR386201	45.0	IND219820222	1	2	0.0000	P3862_1	P386213862001		BERNARR
N PRITCHARD ET UX							3313200000 BRDE29	A 3	
**WR386241	0.0	IND219820222	1	2	0.0000	P3862_2	P386213862001		BERNARR
N PRITCHARD ET UX							3313200000 BRDE29	A 3	
WSRP3862	17.3	0.5228 0.8206		0	0				
** WSA - This right is contingent on a water supply agreement with the BRA for 90 acft municipal.									
** Because priority is junior to Lake Granger, this right will have no effect on Lake Granger.									
WR5164P1	90.0	MUN219871211	1	2	0.0000	P5164_1	P516415164001		MILLSAP
WATER SUPPLY CORP							3313010000 BRDE29	3	
WSRONNIE	215.	0.5228 0.8206		0	0				
WR404331	100.	IRR219700817	1	2	0.0000	C4043_1	C404364043001		H.
L. BRANSON							3306000000 BRDE29	3	
WSRC4043	162.	0.5228 0.8206		0	0				
WR404401	149.	IRR219570731	1	2	0.0000	C4044_1	C404464044001		D.
C. WOODRUFF							3301000000 BRDE29	3	
WR404501	75.0	IRR219581231	1	2	0.0000	C4045_1	C404564045001		LARRY
& DAVID NASH							3298620000 BRGR30	3	
WR404601	69.0	IRR219601231	1	2	0.0000	C4046_1	C404664046001		KENNETH
W. FULLER							3298600000 BRGR30	3	
WR404701	290.	IRR219641031	1	2	0.0000	C4047_1	C404764047001		ADELAIDE
ELIZABETH BIGGS							3298000000 BRGR30	3	
WR404831	25.0	IRR219761108	1	2	0.0000	C4048_1	C404864048001		H
D HOWARD							3296700000 BRGR30	3	
WSRC4048	105.	0.5228 0.8206		0	0				
WR404831	35.0	MUN219761108	1	2	0.0000	C4048_2	C404864048001		H
D HOWARD							3296700000 BRGR30	3	
WSRC4048	105.	0.5228 0.8206		0	0				
WR404831	0.0	MUN219761108	1	2	0.0000	C4048_3	C404864048001		H
D HOWARD							3296700000 BRGR30	3	
WSRC4048	105.	0.5228 0.8206		0	0				
WR405031	23.0	IRR219640430	1	2	0.0000	C4050_1	C405064050001		FRED
L THORMANN							3296000000 BRGR30	3	
WSRC4050	2.0	0.5228 0.8206		0	0				
WR404932	12.0	IRR219640430	1	2	0.0000	C4049_1	C404964049002		FRED
L THORMANN							3295900000 BRGR30	3	
WSRC4049	2.0	0.5228 0.8206		0	0				
WR405101	166.	IRR219541231	1	2	0.0000	C4051_1	C405164051001		GRACE
W CARTWRIGHT ET AL							3294500000 BRGR30	3	
WR405332	0.0	UNIFO19750113	1	2	0.0000	C4053_1	C405364053302		WESTERN
LAKE EST. OWNERS ASSN.							3294440000 BRGR30	3	
WSRC4053	238.	0.5228 0.8206		0	0				
** Combined three off-channel reservoirs into one.									
** Added mining diversion									
WR405241	760.	IRR219540731	1	2	0.0000	C4052_1	C405264052001		TXI
OPERATIONS LP							3294400000 BRGR30	3	
WSRC4052	3.0	0.2710 0.8958		0	0				
SO		760. 405201							
WR405202	0.	MIN219540731	1	2	0.0000	C4052_2	C405264052002		TXI
OPERATIONS LP							3294400000 BRGR30	3	
WR405401	12.15	IRR219620731	1	2	0.0000	C4054_1	C405464054001		JESSE
T CROWDER JR TRUST							3293120000 BRGR30	3	
WR405401	26.85	IRR219620731	1	2	0.0000	C4054_2	C405464054001		JOHN
WESSLER ET AL							3293120000 BRGR30	3	
WR405501	42.0	IRR219550731	1	2	0.0000	C4055_1	C405564055001		MCI
LAND COMPANY							3293000000 BRGR30	3	
** Changed diversion location to most downstream diversion point									
WR411404	300.	IRR219550731	1	2	0.0000	C4114_1	C411464114004		THOMAS
BROTHERS GRASS LTD							3292990000 BRGR30	3	
WR405631	144.	IRR219670831	1	2	0.0000	C4056_1	C405664056001		"BANK
ONE TEXAS NA, TRUSTEE"							3292900000 BRGR30	3	
WSRC4056	1454.	0.5228 0.8206		0	0				
WR405701	109.	IRR219620630	1	2	0.0000	C4057_1	C405764057001		MARY
L & C W KILLOUGH							3292660000 BRGR30	D 3	
WR405901	35.0	IRR219631231	1	2	0.0000	C4059_1	C405964059001		HELEN
T DURHAM ESTATE							3292600000 BRGR30	3	
WR406101	65.0	IRR219560531	1	2	0.0000	C4061_1	C406164061001		BURTON
S BURKS SR ET AL							3292580000 BRGR30	D 3	
WR405831	0.0	UNIFO19761220	1	2	0.0000	C4058_1	C405864058301		OAK
TRAIL OWNERS ASSOCIATION							3292570000 BRGR30	3	
WSRC4058	24.0	0.5228 0.8206		0	0				
** Changed diversion location to new diversion point									

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WR406204	383.	IRR219551231	1	2	0.0000			C4062_1	C406264062004			THOMAS
FAMILY TRUST						BRAZOS RIVER			3292550000 BRGR30	D	3	
WR406301	348.	IRR219630731	1	2	0.0000			C4063_1	C406364063001			FRED
GRIMES ET AL						BRAZOS RIVER			3292400000 BRGR30		3	
** 172 acft of this right was severed and transferred to C4072.												
WR406401	25.	IRR219631231	1	2	0.0000			C4064_1	C406464064001			BURTON
S BURKS JR						BRAZOS RIVER			3291750000 BRGR30	D	3	
WR407201	172.	IRR219631231	1	2	0.0000			C4072_2	C407264072001			JAMES
E ANTHONY ET AL						BRAZOS RIVER			3289100000 BRGR30		5	
WR406001	616.	IRR219500731	1	2	0.0000			C4060_1	C406064060001			LORENE
DURHAM ESTATE ET AL						BRAZOS RIVER			3291530000 BRGR30	D	3	
WR406631	0.0	UNIFO19761220	1	2	0.0000			C4066_1	C406664066301			COMANCHE
HARBOR OWNERS ASSOC						BRAZOS RIVER			3291450000 BRGR30		3	
WSRC4066	43.0	0.5228	0.8206		0	0						
WR406501	84.0	IRR219630831	1	2	0.0000			C4065_1	C406564065001			ROBERT
& C J WHITEHEAD						BRAZOS RIVER			3291440000 BRGR30	D	3	
WR406701	63.0	IRR219561231	1	2	0.0000			C4067_1	C406764067001			COURTS
K CLEVELAND JR						BRAZOS RIVER			3291430000 BRGR30	D	3	
WR406801	72.0	IRR219670731	1	2	0.0000			C4068_1	C406864068001			COLLIE
W OLIVER						BRAZOS RIVER			3291370000 BRGR30	D	3	
WR406931	120.	IRR219741021	1	2	0.0000			C4069_1	C406964069001			WALKER
MURRAY RANDLE						WALNUT CRK			3291310000 BRGR30		3	
WSRC4069	160.	0.5228	0.8206		0	0						
WR385131	17.0	IRR219811212	1	2	0.0000			P3851_1	P385113851001			WALNUT
CR FARMS OF GRANBURY						IKE BR			3291250000 BRGR30		3	
WSRP3851	17.0	0.4897	0.7633		0	0						
WR407001	141.	IRR219560831	1	2	0.0000			C4070_1	C407064070001			LESLIE
L. MABERY						BRAZOS RIVER			3291200000 BRGR30	D	3	
WR407101	83.0	IRR219560831	1	2	0.0000			C4071_1	C407164071001			R
E MABERY						BRAZOS RIVER			3291150000 BRGR30	D	3	
WR346631	0.	UNIFO19760112	1	2	0	0		C3466_1	C346663466301			CITY
OF EASTLAND						N FRK LEON RIVER			2530030000 LEDL43		4	
WSRC3466	144.	0.5228	0.8206		0	0						
WR346531	450.	MUN219191028	1	4	R34701	106371		C3465_1	C346563465001			EASTLAND
CO WSD						N FRK LEON RIVER			2530000000 LEDL43		4	
WSRC3465	1740.	0.5228	0.8206		0	0						
WR346531	50.	IND219191028	1	2	0	0		C3465_2	C346563465001			CITY
OF EASTLAND						N FRK LEON RIVER			2530000000 LEDL43		4	
WSRC3465	1740.	0.5228	0.8206		0	0						
WR346531	100.	IRR219191028	1	2	0	0		C3465_3	C346563465001			CITY
OF EASTLAND						N FRK LEON RIVER			2530000000 LEDL43		4	
WSRC3465	1740.	0.5228	0.8206		0	0						
WR346731	12.	IRR219651231	1	2	0	0		C3467_1	C346763467001			WAYNE
HARGRAVE, ET UX						S FRK LEON RIVER			2515000000 LEDL43		4	
WSRC3467	12.	0.5228	0.8206		0	0						
WR346831	1607.	MIN219191215	1	2	0	0		C3468_1	C346863468001			EASTLAND
INDUSTRIAL FOUNDATION						LEON RIVER			2500000000 LEDL43		4	
WSRC3468	1607.	0.5228	0.8206		0	0						
WR347431	30.	IRR219690428	1	2	0	0		C3474_1	C347463474001			JERRY
P MEHAFFEY						LEON RIVER			2498200000 LEDL43		4	
WSRC3474	30.	0.5228	0.8206		0	0						
WR347531	8.	IRR219690526	1	2	0	0		C3475_1	C347563475001			C
M PIPPIN JR						LEON RIVER			2498000000 LEDL43		4	
WSRC3475	60.	0.5228	0.8206		0	0						
WR346931	21.	IRR219670821	1	2	0	0		C3469_1	C346963469001			LARRY
MORROW						UNNAMED TRIB			2494000000 LEDL43	B	4	
WSRC3469	23.	0.5228	0.8206		0	0						
** The 1931 priority water has access to Lake Leon, but can not refill the reservoir at 1931												
** priority date.												
** Returns divided between City of Eastland (0.9 MGD) and return flow point identified by TNRC.												
WR347031	810.	MUN219520321	1	4	R34701	106371		C3470_1	C347063470001			EASTLAND
CO WSD						LEON RIVER			2491000000 LEDL43		4	
WSLKLEON	26080.					0						
WR347031	455.	MUN219520321	1	2	0.0000			C3470_2	C347063470001			EASTLAND
CO WSD						LEON RIVER			2491000000 LEDL43		4	
WSLKLEON	26080.					0						
WR347031	1560.	MUN219520321	1	4	R34701	106371		C3470_3	C347063470001			EASTLAND
CO WSD						LEON RIVER			2491000000 LEDL43		4	
WSLKLEON	26080.					0						
WR347031	877.5	MUN219520321	1	2	0.0000			C3470_4	C347063470001			EASTLAND
CO WSD						LEON RIVER			2491000000 LEDL43		4	
WSLKLEON	26080.					0						
WR347031	1118.	MUN219860325	1	4	R34701	106371		C3470_5	C347063470001			EASTLAND
CO WSD						LEON RIVER			2491000000 LEDL43		4	
WSLKLEON	26080.					0						
WR347031	629.5	MUN219860325	1	2	0.0000			C3470_6	C347063470001			EASTLAND
CO WSD						LEON RIVER			2491000000 LEDL43		4	
WSLKLEON	26080.					0						
WR347031	350.	IND219860325	1	2	0	0		C3470_7	C347063470001			EASTLAND
CO WSD						LEON RIVER			2491000000 LEDL43		4	
WSLKLEON	26080.					0						
WR347031	500.	IRR219860325	1	2	0	0		C3470_8	C347063470001			EASTLAND
CO WSD						LEON RIVER			2491000000 LEDL43		4	
WSLKLEON	26080.					0						

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** Two authorized reservoirs modeled as a single reservoir at downstream CP.									
**WR347132	50.	IRR219771011	1	2	0	C3471_1	C347163471002		GLYNN
A WILSON			N COLONY CRK				2490500000	LEDL43	A 4
**WSR34711	115.	0.5228	0.8206	0	0				
**WR347132	50.	IRR219910401	1	2	0	C3471_2	C347163471002		GLYNN
A WILSON			N COLONY CRK				2490500000	LEDL43	A 4
**WSR34711	240.	0.5228	0.8206	0	0				
** Expired									
**WR347231	103.	IRR219740528	1	2	0	C3472_1	C347263472001		R.V.
ROBINSON			COLONY CRK				2476000000	LEDL43	A 4
**WSRC3472	169.	0.5228	0.8206	0	0				
WR347331	40.	IRR219691027	1	2	0	C3473_1	C347363473001		RONNIE
LOVE			ELM CRK				2471000000	LEDL43	4
WSRC3473	45.	0.5228	0.8206	0	0				
WR347931	30.	IRR219660405	1	2	0	C3479_1	C347963479001		TEDDY
J SNIDER ET UX			NASH CRK				2469000000	LEDL43	4
WSRC3479	16.	0.5228	0.8206	0	0				
WR348031	0.	D&L219771031	1	2	0	C3480_1	C348063480001		SAUL
PULLMAN			NASH CRK				2468900000	LEDL43	4
WSRC3480	60.	0.5228	0.8206	0	0				
WR348131	25.	IRR219680729	1	2	0	C3481_1	C348163481001		WILL
D BROWN ET UX			NASH CRK				2468750000	LEDL43	4
WSRC3481	40.	0.5228	0.8206	0	0				
** Two authorized reservoirs modeled as a single reservoir at downstream CP.									
WR348232	13.	IRR219640731	1	2	0	C3482_1	C348263482002		JOHNNY
W & MARY C EAVES			NASH CRK				2468660000	LEDL43	4
WSRC3482	25.	0.5228	0.8206	0	0				
WR348331	90.	IRR219690721	1	2	0	C3483_1	C348363483001		D
B WARREN			UNNAMED TRIB LEON RIVER				2468600000	LEDL43	4
WSRC3483	244.	0.5228	0.8206	0	0				
WR348431	40.	IRR219700513	1	2	0	C3484_1	C348463484001		MURTICE
C RODGERS			UNNAMED TRIB LEON RIVER				2468570000	LEDL43	4
WSRC3484	50.	0.5228	0.8206	0	0				
**WR348531	148.	IRR219730102	1	2	0	C3485_1	C348563485001		H
L PERRIN ET UX			SALT CRK				2468530000	LEDL43	A 4
**WSRC3485	350.	0.5228	0.8206	0	0				
**WR348631	150.	IRR219751020	1	2	0	C3486_1	C348663486001		RONNIE
N LOVE ET UX			SALT CRK				2468520000	LEDL43	A 4
**WSC34861	170.	0.5228	0.8206	0	0				
**WR348633	0.	IRR219751020	1	2	0	C3486_2	C348663486003		RONNIE
N LOVE ET UX			SALT CRK				2468520000	LEDL43	A 4
**WSC34863	15.	0.5228	0.8206	0	0				
**SO			BACKUP						
**WR348632	0.	IRR219751020	1	2	0	C3486_3	C348663486002		RONNIE
N LOVE ET UX			SALT CRK				2468520000	LEDL43	A 4
**WSC34862	40.	0.5228	0.8206	0	0				
**SO			BACKUP						
**WR5274P1	25.	IRR219891213	1	2	0	P5274_1	P527415274001		J
R GRIMSHAW ET UX			ROUGH CRK				2468500000	LEDL43	A 4
**WSRP5274	40.	0.5228	0.8206	0	0				
WR348731	40.	IRR219680219	1	2	0	C3487_1	C348763487001		D
B WARREN			LEON RIVER				2468400000	LEDL43	4
WSRC3487	48.	0.5228	0.8206	0	0				
WR348831	30.	IRR219690922	1	2	0	C3488_1	C348863488001		HELEN
L DICKSON			ELLISON CRK				2468370000	LEDL43	4
WSRC3488	100.	0.5228	0.8206	0	0				
WR348931	140.	IRR219691013	1	2	0	C3489_1	C348963489001		THOMAS
H BIRDSONG, III			UNNAMED TRIB				2468350000	LEDL43	A 4
WSRC3489	323.	0.5228	0.8206	0	0				
** Expired									
**WR348931	80.	IRR219770103	1	2	0	C3489_2	C348963489001		THOMAS
H BIRDSONG, III			UNNAMED TRIB				2468350000	LEDL43	A 4
**WSRC3489	323.	0.5228	0.8206	0	0				
WR349031	60.	IRR219670605	1	2	0	C3490_1	C349063490001		JOHN
J HOLLAND			PANTHER CRK				2468200000	LEDL43	4
WSRC3490	60.	0.5228	0.8206	0	0				
WR349231	52.	IRR219670821	1	2	0	C3492_1	C349263492001		G
D LINDLEY			LEON RIVER				2467380000	LEDL43	4
WSRC3492	52.	0.5228	0.8206	0	0				
WR349331	35.	IRR219700427	1	2	0	C3493_1	C349363493001		EDDIE
LINDLEY			LEON RIVER				2467200000	LEDL43	4
WSRC3493	35.	0.5228	0.8206	0	0				
WR349431	140.	IRR219710322	1	2	0	C3494_1	C349463494001		MOODY
B KOONCE			LEON RIVER				2467150000	LEDL43	4
WSRC3494	140.	0.5228	0.8206	0	0				
WR349531	94.	IRR219670523	1	2	0	C3495_1	C349563495001		MOODY
B KOONCE			LEON RIVER				2467100000	LEDL43	4
WSRC3495	94.	0.5228	0.8206	0	0				
WR349631	21.	IRR219681028	1	2	0	C3496_1	C349663496001		NANNIE
LEE THOMPSON			LEON RIVER				2467000000	LEDL43	4
WSRC3496	50.	0.5228	0.8206	0	0				
** Shares reservoir authorized in C3498.									
WR349831	50.	IRR219750728	1	2	0	C3497_1	C349763497001		HERRALD
ABELS			HOUSTON SPRING CRK				2466920000	LEDL43	4

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WSRC3498	189.	0.5228	0.8206	0	0								
WR349831	100.	IRR219701214		1	2	0							
L GILDER				HOUSTON SPRING CRK									
WSRC3498	189.	0.5228	0.8206	0	0								
WR349931	3.	IRR219510831		1	2	0							
L BOX				LEON RIVER									
WSRC3499	25.	0.5228	0.8206	0	0								
WR350001	24.	IRR219660430		1	2	0							
RANCH CORPORATION				LEON RIVER									
**WR393431	25.	IRR219821108		1	2	0							
MORRIS ET UX				LEON RIVER									
**WSRP3934	25.	0.5228	0.8206	0	0								
WR350131	65.	IRR219710322		1	2	0							
D HIGGINBOTTOM				LEON RIVER									
WSRC3501	70.	0.5228	0.8206	0	0								
** Owner must store groundwater in reservoir equal to his diversion.													
** Modeled as zero surface water use since groundwater must replace diversion.													
**WR350231	0.	IRR219780130		1	2	0							
K SELTZER				LEON RIVER									
**WSRC3502	64.	0.5228	0.8206	0	0								
** Modeled both authorized reservoirs as a single reservoir at the downstream location.													
**WR350331	45.	IRR219770228		1	2	0							
LEE MORRIS ET UX				UNNAMED TRIB									
**WSRC3503	45.	0.5228	0.8206	0	0								
WR350431	20.	IRR219680408		1	2	0							
RAY JOINER				LEON RIVER									
WSRC3504	20.	0.5228	0.8206	0	0								
WR350531	36.	IRR219680722		1	2	0							
MOORE ET UX				LEON RIVER									
WSRC3505	36.	0.5228	0.8206	0	0								
WR350631	3.	IRR219630331		1	2	0							
V STEWART				FLAT CRK									
WSRC3506	10.	0.5228	0.8206	0	0								
** Expired													
**WR350831	45.	IRR219790212		1	2	0							
RANCH CORPORATION				FLAT CRK									
**WSRC3508	45.	0.5228	0.8206	0	0								
WR351101	73.	IRR219660831		1	2	0							
D MCCLELLAN				LEON RIVER									
WR351201	6.	IRR219631231		1	2	0							
DALE JOHNSON				LEON RIVER									
WR351631	0.	D&L219720501		1	2	0							
JOHNSON				W FRK ARMSTRONG									
WSRC3516	292.	0.5228	0.8206	0	0								
** Expired													
**WR351531	168.	IRR219720501		1	2	0							
JESS HOFFMAN				W FRK ARMSTRONG									
**WSRC3515	292.	0.5228	0.8206	0	0								
WR351431	7.	IRR219660801		1	2	0							
OIL COMPANY				E FRK ARMSTRONG									
WSRC3514	198.	0.5228	0.8206	0	0								
WR351731	250.	IRR219680729		1	2	0							
JO PARKS TRUSTEE				HACKBERRY CRK									
WSRC3517	266.	0.5228	0.8206	0	0								
WR351831	110.	IRR219670808		1	2	0							
HYDEN INC				E FORK HACKBERRY CRK									
WSRC3518	135.	0.5228	0.8206	0	0								
WR351931	25.	IRR219700615		1	2	0							
D BEARD ET AL				COW CRK									
WSRC3519	35.	0.5228	0.8206	0	0								
WR352031	40.	IRR219670911		1	2	0							
HAMNER				GREER CRK									
WSRC3520	67.	0.5228	0.8206	0	0								
WR352131	40.	IRR219690505		1	2	0							
& PATSY S PRUILL				HUNTING SHIRT CRK									
WSRC3521	138.	0.5228	0.8206	0	0								
** Modeled both authorized reservoirs as a single reservoir at the downstream location.													
WR352231	7.	IRR219650731		1	2	0							
L HUGHES				HUNTING SHIRT CRK									
WSRC3522	10.	0.5228	0.8206	0	0								
WR352331	20.	IRR219690609		1	2	0							
M & IMOGENE BURNS				SABANA RIVER									
WSRC3523	22.	0.5228	0.8206	0	0								
** Modeled both authorized reservoirs as a single reservoir at the downstream location.													
**WR352431	25.	IRR219751208		1	2	0							
BETH COOK ET AL				SABANA RIVER									
**WSRC3524	55.	0.5228	0.8206	0	0								
WR352531	10.	IRR219691013		1	2	0							
H BIRDSONG III				SABANA RIVER									
WSRC3525	90.	0.5228	0.8206	0	0								
**WR426301	126.	IRR219850521		1	2	0							
R COAN ET UX				SABANA RIVER									
WR353031	14.	IRR219670630		1	2	0							
SCHKADE ET AL				SABANA RIVER									

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WSR35301	40.	0.5228	0.8206	0	0														
WR353032	0.	IRR219670630		1	2	0			C3530_2	C353063530002									LOUIS
SCHKADE ET AL				SABANA RIVER						2429100000	SADL44		4						
WSR35302	32.	0.5228	0.8206	0	0														
SO				BACKUP															
WR353032	46.	IRR219690909		1	2	0			C3530_3	C353063530002									LOUIS
SCHKADE ET AL				SABANA RIVER						2429100000	SADL44		4						
WSR35302	32.	0.5228	0.8206	0	0														
WR353031	0.	IRR219670630		1	2	0			C3530_4	C353063530001									LOUIS
SCHKADE ET AL				SABANA RIVER						2429100000	SADL44		4						
WSR35301	40.	0.5228	0.8206	0	0														
SO				BACKUP															
**WR352631	20.	IRR219760830		1	2	0			C3526_1	C352663526001									TROYAT
UNDERWOOD				UNNAMED TRIB						2429090000	SADL44	A	4						
**WSRC3526	20.	0.5228	0.8206	0	0														
WR352831	121.	IRR219690915		1	2	0			C3528_1	C352863528001									MARGRETTE
JEAN MOON				SABANA RIVER						2429070000	SADL44		4						
WSRC3528	121.	0.5228	0.8206	0	0														
WR352831	0.	IRR219690915		1	2	0			C3528_2	C352863528001									MARGRETTE
JEAN MOON				SABANA RIVER						2429070000	SADL44		4						
WSRC3528	121.	0.5228	0.8206	0	0														
SO		100.	352802	BACKUP															
**WR353131	30.	IRR219780103		1	2	0			C3531_1	C353163531001									JOHN
R SCOTT ET UX				SABANA RIVER						2429060000	SADL44	A	4						
**WSR3531A	40.	0.5228	0.8206	0	0														
**WR353132	0.	IRR219881103		1	2	0			C3531_2	C353163531002									JOHN
R SCOTT ET UX				SABANA RIVER						2429060000	SADL44	A	4						
**WSR3531B	28.	0.5228	0.8206	0	0														
**SO		30.		BACKUP															
**WR353133	6.	IRR219881103		1	2	0			C3531_3	C353163531003									JOHN
R SCOTT ET UX				SABANA RIVER						2429060000	SADL44	A	4						
**WSR3531C	6.	0.5228	0.8206	0	0														
**WR353134	4.	IRR219881103		1	2	0			C3531_4	C353163531004									JOHN
R SCOTT ET UX				SABANA RIVER						2429060000	SADL44	A	4						
**WSR3531D	4.	0.5228	0.8206	0	0														
** Expired																			
**WR526031	95.	IRR219891113		1	2	0			P5260_1	P526015260001									JOE
TILLEY				SABANA RIVER						2429053000	SADL44	A	4						
**WSP52601	98.	0.5228	0.8206	0	0														
**WR526032	0.	IRR219891113		1	2	0			P5260_2	P526015260002									JOE
TILLEY				SABANA RIVER						2429053000	SADL44	A	4						
**WSP52602	30.	0.5228	0.8206	0	0														
**SO				BACKUP															
IFSADL44	1448.	UNIFO19710329		1				IFC3532_1											
WR353241	29.	IRR219710329		1	2	0			C3532_1	C353263532001									JIMMY L
BINGHAM ET AL				SABANA RIVER						2429050000	SADL44		4						
WSRC3532	29.	0.2710	0.8958	0	0														
SO		29.	353201																
ML	92.	92.	92.	92.	92.	0.	0.	0.	0.	92.	92.								
WR353331	25.	IRR219690324		1	2	0			C3533_1	C353363533001									BOBBY
L SKAGGS & GENE E SKAGGS				SABANA RIVER						2429000000	SADL44		4						
WSRC3533	25.	0.5228	0.8206	0	0														
WR353441	24.	IRR219670731		1	2	0			C3534_1	C353463534001									JUNE
M. ROUNTRE E, TRUSTEE				SABANA RIVER						2428950000	SADL44		4						
WSRC3534	8.	0.271	0.8958	0	0														
SO		24.	353401																
WR353531	8.	IRR219711026		1	2	0			C3535_1	C353563535001									JACK
& THELMA LOU RILEY				SABANA RIVER						2428920000	SADL44		4						
WSRC3535	8.	0.5228	0.8206	0	0														
** Modeled both authorized reservoirs as a single reservoir at the downstream location.																			
WR353631	31.	IRR219710426		1	2	0			C3536_1	C353663536001									LYNDELL
F COAN				SABANA RIVER						2428900000	SADL44		4						
WSRC3536	31.	0.5228	0.8206	0	0														
** Expired																			
**WR353731	9.	IRR219731217		1	2	0			C3537_1	C353763537001									DALE
D GEORGE				TRIB						2428590000	SADL44	A	4						
**WSRC3537	9.	0.5228	0.8206	0	0														
**WR353831	30.	IRR219731119		1	2	0			C3538_1	C353863538001									WILLIAM
T MORRIS ET UX				TRIB						2428550000	SADL44	A	4						
**WSRC3538	32.	0.5228	0.8206	0	0														
WR353931	75.	IRR219690317		1	2	0			C3539_1	C353963539001									ED
GLOVER JR				SABANA RIVER						2428500000	SADL44		4						
WSRC3539	120.	0.5228	0.8206	0	0														
WR354131	45.	IRR219680506		1	2	0			C3541_1	C354163541001									SAM
D & MARTHA L UPSHAW				SABANA RIVER						2428000000	SADL44		4						
WSRC3541	48.	0.5228	0.8206	0	0														
WR354231	0.	UNIFO19760428		1	2	0			C3542_1	C354263542301									NABORS
LAKE DEVELOPMENT CORP				FADE CRK						2427900000	SADL44		4						
WSRC3542	450.	0.5228	0.8206	0	0														
IFSADL44	1448.	UNIFO19700504		1				IFC3543_1											
WR354341	28.	IRR219700504		1	2	0			C3543_1	C354363543001									HELEN
SUE WILSON				SABANA RIVER						2427500000	LEHS45		4						
WSRC3543	29.	0.5228	0.8206	0	0														
SO		29.	354301																

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ML	19.	16.	19.	18.	19.	18.	0.	0.	0.	0.	18.	19.	
WR354401	17.		IRR219641231	1	2	0				C3544_1	C354463544001		JIM
LAMPMAN ET AL				SABANA RIVER							2426500000	LEHS45	4
WR354031	90.		IRR219670425	1	2	0				C3540_1	C354063540002		SPRUILL
BROTHERS DRILLING CO				SABANA RIVER							2426000000	LEHS45	4
WSR3540S	80.	0.5228	0.8206	0	0	0							
WR354032	0.		IRR219670425	1	2	0				C3540_2	C354063540003		SPRUILL
BROTHERS DRILLING CO				SABANA RIVER							2426000000	SADL44	4
WSR3540N	73.	0.5228	0.8206	0	0	0							
SO				BACKUP									
WR354031	0.		IRR219670731	1	2	0				C3540_3	C354063540002		SPRUILL
BROTHERS DRILLING CO				SABANA RIVER							2426000000	LEHS45	4
WSR3540S	80.	0.5228	0.8206	0	0	0							
SO			23. 354001	BACKUP									
** Expired													
**WR354531	15.		IRR219771031	1	2	0				C3545_1	C354563545001		R
D WALKER				SABANA RIVER							2425990000	LEHS45	A 4
**WSRC3545 20. 0.5228 0.8206 0 0													
** On and off channel reservoirs modeled as a single on-channel reservoir.													
WR354631	7.5		IRR219650731	1	2	0				C3546_1	C354663546002		E
A WALKER				SABANA RIVER							2425920000	LEHS45	4
WSRC3546	11.	0.5228	0.8206	0	0	0							
WR354631	1.5		IRR219710426	1	2	0				C3546_2	C354663546002		E
A WALKER				SABANA RIVER							2425920000	LEHS45	4
WSRC3546	11.	0.5228	0.8206	0	0	0							
WR354731	70.		IRR219680401	1	2	0				C3547_1	C354763547001		A
G LEE				SABANA RIVER							2425500000	LEHS45	4
WSRC3547	74.	0.5228	0.8206	0	0	0							
WR354831	166.		IRR219650517	1	2	0				C3548_1	C354863548001		SEBORN
E GOLDEN				HENDERSON BR							2425000000	LEHS45	4
WSRC3548	166.	0.5228	0.8206	0	0	0							
WR354931	42.		IRR219680520	1	2	0				C3549_1	C354963549001		T
A NOWLIN				TURKEY CRK							2424000000	LEHS45	4
WSRC3549	42.	0.5228	0.8206	0	0	0							
WR355031	60.		IRR219670911	1	2	0				C3550_1	C355063550001		THOMAS
A LEE JR ET UX				SABANA RIVER							2423000000	LEHS45	4
WSRC3550	60.	0.5228	0.8206	0	0	0							
**WR355131	30.		IRR219751215	1	2	0				C3551_1	C355163551001		BOBBY
W STRAUB				UNNAMED TRIB							2422000000	LEHS45	A 4
**WSRC3551 48. 0.5228 0.8206 0 0													
WR355231	80.		IRR219710607	1	2	0				C3552_1	C355263552001		J
V SKAGGS				SABANA RIVER							2420080000	LEHS45	4
WSRC3552	126.	0.5228	0.8206	0	0	0							
**WR507331	60.		IRR219860708	1	2	0				P5073_1	P507315073001		THOMAS
RANDOLPH SIMPSON				SABANA RIVER							2420050000	LEHS45	A 4
**WSRP5073	60.	0.5228	0.8206	0	0	0							
WR355331	53.		IRR219660613	1	2	0				C3553_1	C355363553001		LEE
ROY COTTON				SABANA RIVER							2420000000	LEHS45	4
WSRC3553	53.	0.5228	0.8206	0	0	0							
WR355431	25.		IRR219690630	1	2	0				C3554_1	C355463554001		E
J TERRY				SABANA RIVER							2419000000	LEHS45	4
WSRC3554	30.	0.5228	0.8206	0	0	0							
**WR355531	100.		IRR219780522	1	2	0				C3555_1	C355563555001		JERRY
SOLOMON				UNNAMED TRIB							2418200000	LEHS45	A 4
**WSRC3555 100. 0.5228 0.8206 0 0													
WR355731	7.5		IRR219680415	1	2	0				C3556_1	C355663556001		GAYLE
MCGINNIS				SABANA RIVER							2418010000	LEHS45	4
WSRC3557	105.	0.5228	0.8206	0	0	0							
WR355731	97.5		IRR219680415	1	2	0				C3557_1	C355763557001		LAKE
PROCTOR IRR AUTH				SABANA RIVER							2418000000	LEHS45	4
WSRC3557	105.	0.5228	0.8206	0	0	0							
WR355801	12.		IRR219610731	1	2	0				C3558_1	C355863558001		STEVEN
MARK BIGGS ET AL				SOWELLS CRK							2415910000	LEHS45	4
**IF380831		217.		UNIFO19801203						1			IFP3808_1
A													
**WR380831	1060.		IRR219801203	1	2	0				P3808_1	P380813808001		MARY
FRAZIER CLARK ET AL				COPPERAS (RUSH) CRK							2415400000	LEHS45	A 4
**WSRP3808 1271. 0.5228 0.8206 0 0													
**IF384431		724.		UNIFO19801110						1			IFP3844_1
A													
**WR384431	156.		IRR219801110	1	2	0				P3844_1	P384413844002		CUSTER
D SWIFT ET AL				COPPERAS (RUSH) CRK							2415380000	LEHS45	A 4
**WSRP3844 421. 0.5228 0.8206 0 0													
**WR384431	246.		IRR219801110	1	2	0				P3844_2	P384413844002		WINNIE
D ANDERSON				COPPERAS (RUSH) CRK							2415380000	LEHS45	A 4
**WSRP3844 421. 0.5228 0.8206 0 0													
WR356031	0.		D&L219751208	1	2	0				C3560_1	C356063560301		CHARLES
BOB & DEALVA SNELL				UNNAMED TRIB							2415290000	LEHS45	4
WSRC3560	35.	0.5228	0.8206	0	0	0							
** Expired													
**WR356131	248.		IRR219740624	1	2	0				C3561_1	C356163561001		ROBERT
S BUTLER				SIPE SPRING BR							2415200000	LEHS45	A 4
**WSRC3561 267. 0.5228 0.8206 0 0													
** Expired													

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**WR356231	56.	IRR219720424	1	2	0	C3562_1	C356263562001			ROBERT
S BUTLER			COPPERAS (RUSH) CRK				2415150000	LEHS45	A	4
**WSRC3562	39.	0.5228	0.8206	0	0					
** Expired										
**WR356331	100.	IRR219750630	1	2	0	C3563_1	C356363563001			ROBERT
S BUTLER			COPPERAS (RUSH) CRK				2415100000	LEHS45	A	4
**WSRC3563	150.	0.5228	0.8206	0	0					
** Expired										
**WR356531	150.	IRR219740128	1	2	0	C3565_1	C356563565001			ROBERT
S BUTLER			COPPERAS (RUSH) CRK				2414850000	LEHS45	A	4
**WSRC3565	236.	0.5228	0.8206	0	0					
WR356731	0.	UNIFO19740903	1	2	0	C3567_1	C356763567301			BYRON
R GIBSON			COPPERAS (RUSH) CRK				2414590000	LEHS45		4
WSRC3567	81.	0.5228	0.8206	0	0					
**WR518731	15.	IRR219880628	1	2	0	P5187_1	P518715187001			C
B SNELL			S COPPERAS CRK				2414200000	LEHS45	A	4
**WSRP5187	15.	0.5228	0.8206	0	0					
** Model 2 off-channel reservoirs and one on-channel as single combined on-channel reservoir.										
WR356831	50.	IRR219700917	1	2	0	C3568_1	C356863568001			ALICE
MAE JONES			STAGG CRK				2414110000	LEHS45		4
WSR35681	50.	0.5228	0.8206	0	0					
WR356931	10.	IRR219720207	1	2	0	C3569_1	C356963569001			HEARSHEL
JANES			STAGG CRK				2414080000	LEHS45		4
WSRC3569	10.	0.5228	0.8206	0	0					
WR357231	140.	IRR219680318	1	2	0	C3572_1	C357263572001			A
T GILCHREST			COPPERAS (RUSH) CRK				2414000000	LEHS45		4
WSRC3572	140.	0.5228	0.8206	0	0					
WR357201	0.	IRR219760223	1	2	0	C3572_2	C357263572001			A
T GILCHREST			COPPERAS (RUSH) CRK				2414000000	LEHS45		4
**WR357331	60.	IRR219720508	1	2	0	C3573_1	C357363573001			G
H BINGHAM DBA 4B FARMS			COPPERAS (RUSH) CRK				2413250000	LEHS45	A	4
**WSRC3573	115.	0.5228	0.8206	0	0					
**WR525531	75.	IRR219890828	1	2	0	P5255_1	P525515255001			GLORIA
JEAN DUKES			COPPERAS (RUSH) CRK				2412800000	LEHS45	A	4
**WSRP5255	150.	0.5228	0.8206	0	0					
WR388031	0.0	UNIFO19820322	1	2		P3880_1	P388013880301			LYNDELL
F COAN ET AL			UNAMED TRIC OF COPPERAS (RUSH) CRK				2412750001	LEHS45		4
WSRP3880	60.	0.5228	0.8206	0	0					
** Expired										
**WR357431	90.	IRR219750818	1	2	0	C3574_1	C357463574001			KENNETH
KEITH & MAX KEITH			UNAMED TRIB				2412750000	LEHS45	A	4
**WSRC3574	100.	0.5228	0.8206	0	0					
WR357501	16.	IRR219550430	2	2	0	C3575_1	C357563575001			BOBBY
N HUDDLESTON			COPPERAS (RUSH) CRK				2412700000	LEHS45		4
**WR357532	130.	IRR219720925	1	2	0	C3575_2	C357563575003			BOBBY
N HUDDLESTON			COPPERAS (RUSH) CRK				2412700000	LEHS45	A	4
**WSRC3575	244.	0.5228	0.8206	0	0					
**WR357501	0.	IRR219750908	1	2	0	C3575_3	C357563575001			BOBBY
N HUDDLESTON			COPPERAS (RUSH) CRK				2412700000	LEHS45	A	4
WR357941	32.	IRR219690731	1	2	0	C3579_1	C357963579001			T.A.
NOWLIN			COPPERAS (RUSH) CRK				2412500000	LEHS45		4
WSRC3579	50.	0.2710	0.8958	0	0					
SO		32.	357901							
** Two off-channel reservoirs (11 & 18 acft) not modeled.										
**IF357801	724.	UNIFO19741111				1				IFC3578_1
A										
**WR357831	700.	IRR219741111	1	2	0	C3578_1	C357863578003			PECAN
VALLEY NUT COMPANY ET AL			COPPERAS (RUSH) CRK				2412200000	LEHS45	A	4
**WSRC3578	800.	0.5228	0.8206	0	0					
**WR358031	70.	IRR219720424	1	2	0	C3580_1	C358063580001			G
E BINGHAM ET AL			BEATTIE BR				2412140000	LEHS45	A	4
**WSRC3580	150.	0.5228	0.8206	0	0					
WR358131	65.	IRR219700105	1	2	0	C3581_1	C358163581001			ELDON
WADE BUTLER			COPPERAS (RUSH) CRK				2412100000	LEHS45		4
WSRC3581	75.	0.5228	0.8206	0	0					
** Modeled both authorized reservoirs as a single reservoir.										
WR358441	30.	IRR219591231	1	2	0	C3584_1	C358463584001			JULIA
JO BAXTER			MARTINS CRK				2411400000	LEHS45		4
WSRC3584	8.	0.5228	0.8206	0	0					
SO		30.	358401	BACKUP						
** Diversion taken from 960 acft capacity reservoir permitted under WR3586.										
WR358631	23.	IRR219701013	1	2	0	C3585_1	C358563586001			WAYNE
D GILLIAM			UNAMED TRIB				2411320000	LEHS45		4
WSRC3586	960.	0.5228	0.8206	0	0					
**WR358532	10.	IRR219730730	1	2	0	C3585_2	C358563585002			WAYNE
D GILLIAM			UNAMED TRIB				2411320000	LEHS45	A	4
**WSRC3585	4.1	0.5228	0.8206	0	0					
**WR358503	0.	IRR219800902	1	2	0	C3585_3	C358563585003			WAYNE
D GILLIAM			UNAMED TRIB				2411320000	LEHS45	A	4
**WSRC3585	17.39	0.5228	0.8206	0	0					
**WR358532	7.	IRR219850806	1	2	0	C3585_4	C358563585002			WAYNE
D GILLIAM			UNAMED TRIB				2411320000	LEHS45	A	4
**WSRC3585	17.39	0.5228	0.8206	0	0					

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**WR426401	40.	IRR219850618	1	2	0	P4264_1	P426414264001			GEORGE
BINGHAM ET AL							2411310000	LEHS45	A	4
**WR541631	10.	IRR219920415	1	2	0	P5416_1	P541615416001			DON
P CHESTER, ET UX							2411305000	LEHS45	A	4
**WSRP5416	13.	0.5228	0.8206	0	0					
** Use authorized from permitted reservoir under WRs 3585, 3586, 3587,3588, 3589, and 3590.										
WR358631	154.	IRR219701013	1	2	0	C3586_1	C358663586001			DON
P CHESTER ET UX							2411300000	LEHS45	B	4
WSRC3586	960.	0.5228	0.8206	0	0					
** Record to account for different priority dates for combined diversion.										
**WR358601	0.	IRR219771019	1	2	0	C3586_2	C358663586001			DON
P CHESTER ET UX							2411300000	LEHS45	B	4
** Diversion taken from 960 acft capacity reservoir permitted under WR3586.										
WR358631	195.	IRR219701013	1	2	0	C3587_1	C358763587001			GEORGE
E BINGHAM ET AL							2411280000	LEHS45		4
WSRC3586	960.	0.5228	0.8206	0	0					
WR358631	0.	UNIFO19701013	1	2	0	C3587_2	C358763587001			GEORGE
E BINGHAM ET AL							2411280000	LEHS45		4
WSRC3586	960.	0.5228	0.8206	0	0					
** Diversion taken from 960 acft capacity reservoir permitted under WR3586.										
WR358631	29.	IRR219701013	1	2	0	C3588_1	C358863588001			BILLY
J. GRESSETT, ET AL							2411260000	LEHS45		4
WSRC3586	960.	0.5228	0.8206	0	0					
WR358631	0.	UNIFO19701013	1	2	0	C3588_2	C358863588001			BILLY
J. GRESSETT, ET AL							2411260000	LEHS45		4
WSRC3586	960.	0.5228	0.8206	0	0					
** Diversion taken from 960 acft capacity reservoir permitted under WR3586.										
WR358631	185.	IRR219701013	1	2	0	C3589_1	C358963589001			LOUIS
G & BETTY HARELIK							2411240000	LEHS45		4
WSRC3586	960.	0.5228	0.8206	0	0					
WR358631	0.	UNIFO19701013	1	2	0	C3589_2	C358963589001			LOUIS
G & BETTY HARELIK							2411240000	LEHS45		4
WSRC3586	960.	0.5228	0.8206	0	0					
** Diversion taken from 960 acft capacity reservoir permitted under WR3586.										
WR358631	322.	IRR219701013	1	2	0	C3590_1	C359063590001			CLIFTON
D & FRANKIE GEYE							2411220000	LEHS45	B	4
WSRC3586	960.	0.5228	0.8206	0	0					
WR358631	0.	UNIFO19701013	1	2	0	C3590_2	C359063590001			CLIFTON
D & FRANKIE GEYE							2411220000	LEHS45	B	4
WSRC3586	960.	0.5228	0.8206	0	0					
WR359231	109.	IRR219670423	1	2	0	C3592_1	C359263592001			LEON
Y NICHOLS							2411000000	LEHS45		4
WSRC3592	110.	0.5228	0.8206	0	0					
WR359401	16.	IRR219710222	1	2	0	C3594_1	C359463594001			WOLFE
PECANLANDS INC							2410720000	LEHS45		4
WSRC3594	40.	0.5228	0.8206	0	0					
WR359331	8.	IRR219650630	1	2	0	C3593_1	C359363593001			VERA
MULL							2410700000	LEHS45		4
WSRC3593	25.	0.5228	0.8206	0	0					
WR359331	17.	IRR219690630	1	2	0	C3593_2	C359363593001			VERA
MULL							2410700000	LEHS45		4
WSRC3593	25.	0.5228	0.8206	0	0					
WR359541	10.	IRR219560415	1	2	0	C3595_1	C359563595001			REX
MCGINNIS							2410600000	LEHS45		4
WSRC3595	4.	0.2710	0.8958	0	0					
SO		10.	359501							
WR359631	280.	IRR219690825	1	2	0	C3596_1	C359663596001			R
C PINKARD							2410500000	LEHS45		4
WSRC3596	400.	0.5228	0.8206	0	0					
** Reservoir shared jointly by CA's 3597, 3598, 3599, 3600, and 3601.										
WR359831	0.	UNIFO19720207	1	2	0	C3597_1	C359763597301			J
F REED							2410490000	LEHS45		4
WSRC3598	657.	0.5228	0.8206	0	0					
WR359831	0.	UNIFO19720207	1	2	0	C3598_1	C359863598301			JOE
MCENTIRE & JOHN MCENTIRE							2410480000	LEHS45		4
WSRC3598	657.	0.5228	0.8206	0	0					
WR359831	0.	UNIFO19720207	1	2	0	C3599_1	C359963599301			JOE
J MCENTIRE							2410470000	LEHS45		4
WSRC3598	657.	0.5228	0.8206	0	0					
WR359831	0.	UNIFO19720207	1	2	0	C3600_1	C360063600301			GARY
HALL ET AL							2410450000	LEHS45		4
WSRC3598	657.	0.5228	0.8206	0	0					
WR359831	0.	UNIFO19720207	1	2	0	C3601_1	C360163601301			H
REESE WARD & DONALD L WARD							2410430000	LEHS45		4
WSRC3598	657.	0.5228	0.8206	0	0					
WR359831	0.	D&L219720207	1	2	0	C3601_2	C360163601301			H
REESE WARD & DONALD L WARD							2410430000	LEHS45		4
WSRC3598	657.	0.5228	0.8206	0	0					
WR360231	0.	D&L219740528	1	2	0	C3602_1	C360263602301			DENNIS
L & LAJORICE M SHELTON							2410420000	LEHS45		4
WSRC3602	20.	0.5228	0.8206	0	0					
**IF390201		724.				1				IFP3902_1
A										

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**WR390231	30.	IRR219820503	1	2	0	P3902_1	P390213902001			PAUL
L RAINS			JIMMYS CRK				2410410000	LEHS45	A	4
**WSRC3902	25.	0.5228	0.8206	0	0					
**WR390231	20.	IRR219820503	1	2	0	P3902_2	P390213902001			GARY
G HALL ET UX			JIMMYS CRK				2410410000	LEHS45	A	4
**WSRC3902	25.	0.5228	0.8206	0	0					
**WR390231	10.	IRR219820503	1	2	0	P3902_3	P390213902001			DENNIS
L SHELTON			JIMMYS CRK				2410410000	LEHS45	A	4
**WSRC3902	25.	0.5228	0.8206	0	0					
** 50 acft storage reservoir with priorities of 5/19/75 and 8/10/72 shared between WR 3603 and WR 3604.										
WR360331	0.	D&L219720810	1	2	0	C3603_1	C360363603301			PAUL
L RAINS			JIMMIES CRK				2410400000	LEHS45		4
WSR36031	15.	0.5228	0.8206	0	0					
WR360331	0.	D&L219750519	1	2	0	C3603_2	C360363603301			PAUL
L RAINS			JIMMIES CRK				2410400000	LEHS45		4
WSR36031	50.	0.5228	0.8206	0	0					
WR360331	0.	D&L219720810	1	2	0	C3604_1	C360463604301			LARRY
C STEELE ET UX			JIMMIES CRK				2410390000	LEHS45		4
WSR36031	15.	0.5228	0.8206	0	0					
WR360331	0.	D&L219750519	1	2	0	C3604_2	C360463604301			LARRY
C STEELE ET UX			JIMMIES CRK				2410390000	LEHS45		4
WSR36031	50.	0.5228	0.8206	0	0					
** Off-channel reservoir not modeled.										
WR360531	0.	D&L219720228	1	2	0	C3605_1	C360563605301			GARY
G & MARY LOU HALL			JIMMIES CRK				2410370000	LEHS45		4
WSRC3605	21.	0.5228	0.8206	0	0					
WR360601	3.	IRR219630731	1	2	0	C3606_1	C360663606001			BOBBIE
G WILSON			JIMMIES CRK				2410330000	LEHS45		4
WR360731	0.	D&L219750217	1	2	0	C3607_1	C360763607001			T
C MAZUREK JR			JIMMIES CRK				2410300000	LEHS45		4
WSRC3607	25.	0.5228	0.8206	0	0					
WR360831	21.	IRR219711026	1	2	0	C3608_1	C360863608001			NORMAN
MOORE ET UX			SWEETWATER CRK				2410290000	LEHS45		4
WSRC3608	21.	0.5228	0.8206	0	0					
WR360931	50.	IRR219711018	1	2	0	C3609_1	C360963609301			JOHN
M HATHCOCK			COTTONWOOD CRK				2410150000	LEHS45		4
WSRC3609	193.	0.5228	0.8206	0	0					
WR361031	143.	IRR219710719	1	2	0	C3610_1	C361063610001			JOHN
O SIMPSON			SWEETWATER CRK				2410100000	LEHS45		4
WSRC3610	193.	0.5228	0.8206	0	0					
WR361101	38.	IRR219691231	1	2	0	C3611_1	C361163611001			HUGH
MONSELLE O'BRIEN			SWEETWATER CRK				2410070000	LEHS45		4
WR361231	93.	IRR219590531	1	2	0	C3612_1	C361263612002			FRED
S DAVIS			SWEETWATER CRK				2410060000	LEHS45		4
WSRC3612	40.	0.5228	0.8206	0	0					
WR361331	95.	IRR219710517	1	2	0	C3613_1	C361363613001			HUGH
MONSELLE O'BRIEN			LTL SWEETWATER				2410050000	LEHS45		4
WSRC3613	99.	0.4897	0.7633	0	0					
WR361431	10.	IRR219651118	1	2	0	C3614_1	C361463614001			DON
P CHESTER			SWEETWATER CRK				2410000000	LEHS45		4
WSRC3614	10.	0.5228	0.8206	0	0					
WR361531	48.	IRR219690616	1	2	0	C3615_1	C361563615001			A
E VINEYARD			SWEETWATER CRK				2409500000	LEHS45		4
WSRC3615	63.	0.5228	0.8206	0	0					
** Same reservoir as WR 3615.										
WR361531	12.	IRR219690616	1	2	0	C3616_1	C361663616001			B
J VINEYARD			SWEETWATER CRK				2409000000	LEHS45		4
WSRC3615	63.	0.5228	0.8206	0	0					
WR361731	3.	IRR219680429	1	2	0	C3617_1	C361763617001			WALTER
MAZUREK			SWEETWATER CRK				2408200000	LEHS45		4
WSRC3617	3.	0.5228	0.8206	0	0					
WR361831	47.	IRR219670731	1	2	0	C3618_1	C361863618002			OBBCO
RANCH CORPORATION			SWEETWATER CRK				2408000000	LEHS45		4
WSRC3618	66.	0.5228	0.8206	0	0					
WR361801	38.	IRR219670731	1	2	0	C3618_2	C361863618001			OBBCO
RANCH CORPORATION			SWEETWATER CRK				2408000000	LEHS45		4
SO			BACKUP							
WR361831	9.	IRR219680506	1	2	0	C3618_3	C361863618002			OBBCO
RANCH CORPORATION			SWEETWATER CRK				2408000000	LEHS45		4
WSRC3618	66.	0.5228	0.8206	0	0					
WR361801	0.	IRR219670731	1	2	0	C3618_4	C361863618001			OBBCO
RANCH CORPORATION			SWEETWATER CRK				2408000000	LEHS45		4
SO			BACKUP							
**IF361901	365.	UNIF019710222		1		IFC3619_1				
WR361931	20.	IRR219710222	1	2	0	C3619_1	C361963619001			JFB
FARMS A PARTNERSHIP			COPPERAS (RUSH) CRK				2407260000	LEHS45		4
WSR36191	30.	0.5228	0.8206	0	0					
**WR361941	20.	IRR219820816	1	2	0	C3619_2	C361963619001			JFB
FARMS A PARTNERSHIP			COPPERAS (RUSH) CRK				2407260000	LEHS45	A	4
**WS361911	10.	0.5228	0.8206	0	0					
**SO		20.	361901							
**ML 31.	28.	31.	30.	31.	0.					
WR362001	25.	IRR219670531	1	2	0	C3620_1	C362063620001			E
J ALDERMAN			MARSHALL SPRING BR				2406000000	LEHS45		4

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WR362031	72.	IRR219670911	1	2	0	C3620_2	C362063620001			E
J ALDERMAN							2406000000	LEHS45	4	
WSRC3620	72.	0.5228	0.8206	0	0					
** Modeled both authorized reservoirs as a single reservoir at the downstream location.										
**WR362231	50.	IRR219760628	1	2	0	C3622_1	C362263622001			CURTIS
LESLEY & ROYCE LESLEY							2405500000	LEHS45	A	4
**WSRC3622	50.	0.5228	0.8206	0	0					
WR362331	26.	IRR219660423	1	2	0	C3623_1	C362363623001			MRS
MERLE MATTHEWS							2404400000	LEHS45		4
WSRC3623	10.	0.5228	0.8206	0	0					
WR362301	0.	IRR219660423	1	2	0	C3623_2	C362363623001			MRS
MERLE MATTHEWS							2404400000	LEHS45		4
SO	26.									
** Shares reservoir with C3623.										
WR362331	14.	IRR219660423	1	2	0	C3624_1	C362463624001			PAULINE
HALL							2404390000	LEHS45		4
WSRC3623	10.	0.5228	0.8206	0	0					
WR362401	0.	IRR219660423	1	2	0	C3624_2	C362463624001			PAULINE
HALL							2404390000	LEHS45		4
SO	26.									
** Modeled both authorized reservoirs as a single reservoir at the downstream location.										
**WR516131	54.	IRR219871113	1	2	0	P5161_1	P516115161001			WILLIAM
D CARROLL ET UX							2412010000	LABE52	A	4
**WSRP5161	150.	0.5228	0.8206	0	0					
** Lake Proctor										
** FNI change - System operation										
WR515931	2685.	MUN219631216	1	2	0.0000	C5159_1	C515965159001			BRAZOS
RIVER AUTHORITY							2400000000	LEHS45		4
WSPRCTOR	48642.				0					
PX	1									
WR515931	735.	MUN219631216	1	2	0.0000	C5159_2	C515965159001			BRAZOS
RIVER AUTHORITY							2400000000	LEHS45		4
WSPRCTOR	48642.				0					
PX	1									
WR515931	1147.	MUN219631216	1	2	0.0000	C5159_3	C515965159001			BRAZOS
RIVER AUTHORITY							2400000000	LEHS45		4
WSPRCTOR	48642.				0					
PX	1									
WR515931	1772.	MUN219631216	1	2	0.0000	C5159_4	C515965159001			BRAZOS
RIVER AUTHORITY							2400000000	LEHS45		4
WSPRCTOR	48642.				0					
PX	1									
WR515931	1671.	MUN219631216	1	2	0.0000	C5159_5	C515965159001			BRAZOS
RIVER AUTHORITY							2400000000	LEHS45		4
WSPRCTOR	48642.				0					
PX	1									
WR515931	0.	IND219631216	1	2	0	C5159_6	C515965159001			BRAZOS
RIVER AUTHORITY							2400000000	LEHS45		4
WSPRCTOR	48642.				0					
PX	1									
WR515931	5948.	IRR219631216	1	2	0	C5159_7	C515965159001			BRAZOS
RIVER AUTHORITY							2400000000	LEHS45		4
WSPRCTOR	48642.				0					
PX	1									
WR515931	5700.	IRR219631216	1	2	0	C5159_8	C515965159001			BRAZOS
RIVER AUTHORITY							2400000000	LEHS45		4
WSPRCTOR	48642.				0					
PX	1									
WR515931	0.	MIN219631216	1	2	0	C5159_9	C515965159001			BRAZOS
RIVER AUTHORITY							2400000000	LEHS45		4
WSPRCTOR	48642.				0					
PX	1									
WR515931	0.	UNIFO19631216	1	2	0	C5159_10	C515965159001			BRAZOS
RIVER AUTHORITY							2400000000	LEHS45		4
WSPRCTOR	48642.				0					
PX	1									
** SysOp Change:										
** Calculate the total depletion for water right 5159.										
WRSR5159		19631216				Compute Dep 5159	SYSTEM			
TO	6	1.0	ADD			C5159_1	CONT			
TO	6	1.0	ADD			C5159_2	CONT			
TO	6	1.0	ADD			C5159_3	CONT			
TO	6	1.0	ADD			C5159_4	CONT			
TO	6	1.0	ADD			C5159_5	CONT			
TO	6	1.0	ADD			C5159_6	CONT			
TO	6	1.0	ADD			C5159_7	CONT			
TO	6	1.0	ADD			C5159_8	CONT			
TO	6	1.0	ADD			C5159_9	CONT			
TO	6	1.0	ADD			C5159_10	CONT			
PX	4									
**										

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** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
WRSR5159 9999999          19631216          Depletion 5159  SYSTEM
PX      5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
WR515931          19631216          1.0000  5159DP          Lumped Dep 5159  SYSTEM lsimdep
TO      11      1.0      ADD          Depletion 5159
PX      2
** Special code to output storage from first simulation
WRPR_dum          19631216          lsimPRstor  look
TO      4          SET          PROCTOR
PX      4
WRPR_dum 9999999  XMONTH19631216          2simPRstor  look
PX      5
** end FNI change
**
** IBT of 2600 acft/yr to Trinity River Basin is authorized, and modeled in Run 8 with loss of priority.
** Use is also authorized in San Jacinto-Brazos Coastal Basin.
** Amendment dated 5/31/2002 allows up to 20,000 acft/yr to be transferred to the Trinity River
** Basin. Other than this note, the IBT is not included in the model.
** This right includes industrial, irrigation, mining and recreational use.
** - End modeling Lake Proctor
**
** Lake Granbury
**
WR515631 1557.  MUN219640213  1  2  0.0000          C5156_1  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBRY 124128.          0
PX      1
WR515631 2600.  MUN219640213  1  2  0.0000          C5156_2  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBRY 124128.          0
PX      1
WR515631 6705.  MUN219640213  1  4  R51561 101782          C5156_3  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBRY 124128.          0
PX      1
WR515631 1475.  MUN219640213  1  2  0.0000          C5156_4  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBRY 124128.          0
PX      1
WR515631 1073.  MUN219640213  1  2  0.0000          C5156_5  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBRY 124128.          0
PX      1
WR515631 2.  IND219640213  1  2  0.0000          C5156_6  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBRY 124128.          0
PX      1
WR515631 3748.  IND219640213  1  2  0.0000          C5156_7  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBRY 124128.          0
PX      1
WR515631 40000.  IND219640213  1  2  0.0000          C5156_8  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBRY 124128.          0
PX      1
WR515631 4544.  IRR219640213  1  2  0.0000          C5156_9  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBRY 124128.          0
PX      1
WR515631 2806.  IRR219640213  1  2  0.0000          C5156_10 C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBRY 124128.          0
PX      1
WR515631 200.  IRR219640213  1  2  0.0000          C5156_11 C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBRY 124128.          0
PX      1
WR515631 2.  MIN219640213  1  2  0.0000          C5156_12 C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBRY 124128.          0
PX      1
** SysOp Change:
** Calculate the total depletion for water right 5156.
WRSR5156          19640213          Compute Dep 5156  SYSTEM
TO      6      1.0      ADD          C5156_1  CONT
TO      6      1.0      ADD          C5156_2  CONT
TO      6      1.0      ADD          C5156_3  CONT
TO      6      1.0      ADD          C5156_4  CONT
    
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TO      6      1.0      ADD                                C5156_5      CONT
TO      6      1.0      ADD                                C5156_6      CONT
TO      6      1.0      ADD                                C5156_7      CONT
TO      6      1.0      ADD                                C5156_8      CONT
TO      6      1.0      ADD                                C5156_9      CONT
TO      6      1.0      ADD                                C5156_10     CONT
TO      6      1.0      ADD                                C5156_11     CONT
TO      6      1.0      ADD                                C5156_12     CONT
PX      4
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
WRSR5156 9999999      19640213      Depletion 5156      SYSTEM
PX      5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
WR515631      0      19640213      1.0000      5156DP      Lumped Dep 5156      SYSTEM lsimdep
TO      11     1.0      ADD                                Depletion 5156
PX      2
** Special code to output storage from first simulation
WRGB_dum      19640213                                1simGBstor      look
TO      4      SET                                GRNBRY
PX      4
WRGB_dum      9999999      XMONTH19640213      2simGBstor      look
PX      5
** - End modeling Lake Granbury
** end FNI change
**
WR407301      42.0      IRR219560819      1      2      0.0000      C4073_1      C407364073001      JAMES
R. ROBINSON      BRAZOS RIVER      3289600000      BRGR30      5
WR407401      26.0      IRR219560819      1      2      0.0000      C4074_1      C407464074001      E.
F. ALLISON      BRAZOS RIVER      3289500000      BRGR30      5
WR407531      0.0      UNIFO19760705      1      2      0.0000      C4075_1      C407564075101      THE
R K HANGER TRUST      UNNAMED TRIB      3289300000      BRGR30      5
WSRC4075      300.      0.5228      0.8206      0      0
WR407241      308.      IRR219561231      1      2      0.0000      C4072_1      C407264072001      JAMES E
ANTHONY ET AL      BRAZOS RIVER      3289100000      BRGR30      5
WSRC4072      1.0      0.2710      0.8958      0      0
SO      407201
WR407601      15.5      IRR219660710      1      2      0.0000      C4076_1      C407664076001      D.
J. VAUGHN      BRAZOS RIVER      3288750000      BRGR30      5
WR407601      23.5      IRR219660710      1      2      0.0000      C4076_2      C407664076001      ROBIN
K SNIDER ET AL      BRAZOS RIVER      3288750000      BRGR30      5
WR407701      30.0      IRR219640831      1      2      0.0000      C4077_1      C407764077001      D.
J. BROWN      BRAZOS RIVER      3288500000      BRGR30      5
WR407801      54.0      IRR219570930      1      2      0.0000      C4078_1      C407864078001      ROBERT
& MARGARET KING INV INC      BRAZOS RIVER      3288450000      BRGR30      5
WR407931      92.0      IRR219640831      1      2      0.0000      C4079_1      C407964079001      JAMES
ROBERT HILL      BRAZOS RIVER      3288400000      BRGR30      5
WSRC4079      20.0      0.5228      0.8206      0      0
WR408003      112.      IRR219660702      1      2      0.0000      C4080_1      C408064080003      J
V & M G DURANT      BRAZOS RIVER      3288000000      BRGR30      5
WR408102      160.      IRR219660702      1      2      0.0000      C4081_1      C408164081002      F.
L. VAUGHN      BRAZOS RIVER      3287990000      BRGR30      5
WR408203      203.      IRR219500731      1      2      0.0000      C4082_1      C408264082003      S.
B. GRISSOM      BRAZOS RIVER      3286500000      BRGR30      5
WR408301      45.0      IRR219630930      1      2      0.0000      C4083_1      C408364083001      ROBERT
L FOREE JR      BRAZOS RIVER      3284000000      BRGR30      5
IF408401      3547.      UNIFO19731119      1                                IFC4084_1
WR408431      25.0      IRR219731119      1      2      0.0000      C4084_1      C408464084000      EARL
R ALLISON      N PALUXY      3283230000      PAGR31      5
WSRC4084      25.0      0.4897      0.7633      0      0
WR408431      0.0      UNIFO19731119      1      2      0.0000      C4084_2      C408464084001      EARL
R ALLISON      N PALUXY      3283230000      PAGR31      5
WSRC4084      25.0      0.4897      0.7633      0      0
SO      408401      BACKUP
WR408531      10.3      IRR219741209      1      2      0.0000      C4085_1      C408564085001      EARL
R ALLISON      N PALUXY      3283150000      PAGR31      5
WR408531      17.7      IRR219741209      1      2      0.0000      C4085_2      C408564085001      DANE
ALLISON ET UX      N PALUXY      3283150000      PAGR31      5
WSRC4085      12.0      0.4897      0.7633      0      0
IF408601      10136.      UNIFO19750902      1                                IFC4086_1
WR408641      15.0      IRR219750902      1      2      0.0000      C4086_1      C408664086001      GARY
& BEVERLY LEWELLEN      PALUXY RIVER      3283090000      PAGR31      5
WSRC4086      2.0      0.2710      0.8958      0      0
SO      15.      408601
**WR5295P1      100.      IRR219900511      1      2      0.0000      P5295_1      P529515295001      JAY
D. & DEBORAH MILLS      CROCKETT CRK      3281500000      PAGR31      A      5
**WSRP5295      175.      0.5228      0.8206      0      0
**WR529532      100.      IRR219900511      1      2      0.0000      P5295_2      P529515295002      JAY
D. & DEBORAH MILLS      RICHARDSON CRK      3281500000      PAGR31      A      5
**WSP52951      189.      0.5228      0.8206      0      0
    
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WR408702	81.0	IRR219650930	1	2	0.0000		C4087_1	C408764087002			LELAND
A HODGES ET AL						E BR WOLF		3281500000	PAGR31	5	
WSRC4087	360.	0.5228	0.8206		0						
WR408841	55.0	IRR219660630	1	2	0.0000		C4088_1	C408864088001			MILTON
C. & VIVIAN YOUNG						PALUXY RIVER		3281150000	PAGR31	5	
WSRC4088	2.0	0.5228	0.8206		0						
SO						55. 408801					
** WSA - 200 acft of watershed flows allowed to maintain storage. This right is contingent											
** upon water supply agreement with BRA.											
**WR562831	0.0	UNIFO19990505	1	2	0.0000		P5628_1	P562815628001			BLUEGREEN
SOUTHWEST						Unnamed trib to PALUXY RIVER		3281130000	PAGR31	A	5
**WSRP5628	1773.	0.5228	0.8206		0						
**SO						150.					
**WR562832	0.0	UNIFO19990505	1	2	0.0000		P5628_2	P562815628302			BLUEGREEN
SOUTHWEST						Unnamed trib to RICHARDSON CRK		3281020000	PAGR31	A	5
**WSP56281	538.	0.5228	0.8206		0						
**SO						50.					
WR408901	31.0	IRR219630331	1	2	0.0000		C4089_1	C408964089001			JACOB
T. & LAURA DAMERON						RICHARDSON		3281000000	PAGR31	5	
WR409031	197.	IRR219670814	1	2	0.0000		C4090_1	C409064090001			RICHARD
T. LIETZ ESTATE						MITCHELL CRK		3277000000	PAGR31	5	
WSRC4090	332.	0.5228	0.8206		0						
WR409201	6.0	IRR219640731	1	2	0.0000		C4092_1	C409264092001			"ROBERT
D. ADAMS, SR."						PONY CRK		3275500000	PAGR31	5	
WR409131	360.	IRR219650120	1	2	0.0000		C4091_1	C409164091001			KENNETH
LESLEY						LALLAH BR		3275000000	PAGR31	5	
WSRC4091	511.	0.4897	0.7633		0						
** For Runs 1 - 3, reduce the authorized diversion from 245 to 98 acft/yr as per special condition.											
** For Runs 4 - 8, set as appropriate depending upon historical use.											
WR393931	98.	IRR219821101	1	2	0.0000		P3939_1	P393913939001			KENNETH
& BETTY YVON LESLEY						LALLAH BR		3274950000	PAGR31	B	5
WSRP3939	725.	0.4897	0.7633		0						
WR409301	94.0	IRR219631231	1	2	0.0000		C4093_1	C409364093001			ERNEST
H CANNON						PONY CRK		3273000000	PAGR31	D	5
WR409401	16.0	IRR219350630	1	2	0.0000		C4094_1	C409464094001			J
B SANDERSON ET AL						PALUXY RIVER		3271500000	PAGR31	5	
WR409501	10.0	IRR219491231	1	2	0.0000		C4095_1	C409564095001			J.
C. MCFALL						PALUXY RIVER		3262000000	PAGR31	5	
WR409631	0.0	UNIFO19740528	1	2	0.0000		C4096_1	C409664096301			CITY
OF GLEN ROSE						PALUXY RIVER		3259300000	BRAQ33	5	
WSRC4096	2.0	0.5228	0.8206		0						
** Placed reservoir point below confluence of Squaw Creek and Panther Creek. Diversions											
** to and from Lake Granbury are authorized by contract, but not modeled. Instream flow requirement											
** placed at closest point to HWY 144 (below reservoir).											
**											
IF409732	1086.	UNIFO19730425				3	IFC4097_1				
WSSQWCRK 145899.											0
OR409732						-1					
**											
WR409732	23180.	IND219730425	1	2	0.0000		C4097_1	C409764097002			TEXAS
UTILITIES ELECTRIC CO						SQUAW CRK		3259000000	BRAQ33	5	
WSSQWCRK 145899.											0
**IF546031	4344.	UNIFO19930427					1				IFP5460_1
A											
**WR546031	0.0	UNIFO19930427	1	2	0.0000		P5460_1	P546015460301			THE
COUNTY OF SOMERVELL						SQUAW CRK		3258900000	BRAQ33	A	5
**WSP54601	4.5	0.5228	0.8206		0						
**WR546041	356.	IRR219930427	1	2	0.0000		P5460_2	P546015460601			THE
COUNTY OF SOMERVELL						SQUAW CRK		3258900000	BRAQ33	A	5
**WSRP5460	32.0	0.2710	0.8958		0						
**SO						356. 546031					
WR409801	258.	IRR219540731	1	2	0.0000		C4098_1	C409864098001			BOB
HARRIS OIL CO						BRAZOS RIVER		3258800000	BRAQ33	5	
WR409901	5.0	IRR219490831	1	2	0.0000		C4099_1	C409964099001			DOROTHY
W. LITTLE ETAL						BRAZOS RIVER		3258750000	BRAQ33	5	
WR502831	0.0	UNIFO19851108	1	2	0.0000		P5028_1	P502815028001			O'GRADY
SIX O RANCH & CATTLE CO						UNNAMED TRIB		3258650000	BRAQ33	5	
WSRP5028	895.	0.5228	0.8206		0						
WR410001	125.	MIN219591231	1	1	1.0000		C4100_1	C410064100001			LAFARGE
CORPORATION						BRAZOS RIVER		3258400000	BRAQ33	B	5
WR410131	0.0	UNIFO19690909	1	2	0.0000		C4101_1	C410164101301			TEXAS
PARKS & WILDLIFE DEPT						UNNAMED TRIB		3258200000	BRAQ33	5	
WSRC4101	1450.	0.5228	0.8206		0						
** change to main stem											
WR410202	77.0	IRR219631231	1	2	0.0000		C4102_1	C410264102003			STANDARD
INVESTMENT CO.						GRASS CRK		3258170000	BRAQ33	5	
WR410306	186.	IRR219551231	1	2	0.0000		C4103_1	C410364103006			"CYRIL
WAGNER, JR., ETAL"						BRAZOS RIVER		3257900000	BRAQ33	5	
WR410409	3811.	IRR219571231	1	2	0.0000		C4104_1	C410464104009			PERRY
R BASS INC						BRAZOS RIVER		3257600000	BRAQ33	5	
WR410501	8.0	IRR219770131	1	2	0.0000		C4105_1	C410564105001			WESLEY
RAY CARSON						NOLAN CRK		3257450000	NRBL32	5	
WR410501	4.0	IRR219770131	1	2	0.0000		C4105_2	C410564105001			CREPE
MYRTLE OF TEXAS INC						NOLAN CRK		3257450000	NRBL32	5	

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**      Elev 533 = 1267 cfs
**
**      Model as most junior water right with 100% returns so downstream water rights have access to flows
**      Drought Index 3 varies with elevation
**
**WR515731  918319    DAYS      1  3  1      1.0  515751      8      WhitHydro  WH_COE
WR515731  918319    DAYS99999999  1  2      1.0  515751      3      WHITHYDRO  WH_COE
WSCORWHT  463253.                430000                1      -1
**
**WR515731      0      99999999  1                EVAP1
**WSWHITNY  387024
WR515731      0      99999999  1  2  0.0000      EVAP2  C515765157001      1
RIVER AUTHORITY      BRAZOS RIVER      3246200000  BRAQ33      5      BRAZOS
**WS  BRA  50000
WSBRAWHT  50000.                1      -1
PX  1
**
WR515731      0      99999999  1  2  0.0000      EVAP2  C515765157001      5      BRAZOS
RIVER AUTHORITY      BRAZOS RIVER      3246200000  BRAQ33
WSBRAWHT  50000.                1
PX  2
**
WR515731      99999999  1                EVAP3  WH_COE
**WSCORWHT  199076
WSCORWHT  463253.                1      -1
PX  1
**
WR515731      99999999  1                EVAP3  WH_COE
WSCORWHT  463253.                1      -1
PX  2
**
** SysOp Change:
** Calculate the total depletion for water right 5157.
WRSR5157      19820830                Compute Dep 5157  SYSTEM
TO  6      1.0      ADD                C5157_1
PX  4
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
WRSR5157 9999999      19820830                Depletion 5157  SYSTEM
PX  5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
WR515731      19820830      1.0000  5157DP      Lumped Dep 5157  SYSTEM lsimdep
TO  11      1.0      ADD                Depletion 5157
PX  2
** Special code to output storage from first simulation
WRWH_dum      99999999                1simBRAWHstor  look
TO  4                SET                BRAWHT
PX  4
WRWH_dum 9999999  XMONTH99999999                2simBRAWHstor  look
PX  5
WRWH_dum      99999999                1simWHstor    look
TO  4                SET                CORWHT
PX  4
WRWH_dum 9999999  XMONTH99999999                2simWHstor    look
PX  5
** - End modeling Lake Whitney
** end FNI change
**
WR431501  30.0  IRR219601231  1  2  0.0000      C4315_1  C431564315001      CHESLEY
J AUTEN      BRAZOS RIVER      3244600000  BRAQ33      5
WR431601  75.0  IRR219611231  1  2  0.0000      C4316_1  C431664316001      B
W & SARA J. BOWERS      BRAZOS RIVER      3244500000  BRAQ33      5
WR431701  243.  IRR219631231  1  2  0.0000      C4317_1  C431764317001      MARY
ANN JENKINS ET AL      BRAZOS RIVER      3244200000  BRAQ33      5
** Pursuant to amendment 4318B reduce 667 by 20 af
**WR431801  667.  IRR219211231  1  2  0.0000      C4318_1  C431864318001      JOHN
MCPHERSON ET AL      BRAZOS RIVER      3244000000  BRAQ33      5
WR431801  647.  IRR219211231  1  2  0.0000      C4318_1  C431864318001      JOHN
MCPHERSON ET AL      BRAZOS RIVER      3244000000  BRAQ33      5
WR431841  2820.  IRR219211231  1  2  0.0000      C4318_2  C431864318003      ED
HUDDLESTON & JOHN MCPHERSON ET AL      BRAZOS RIVER      3244000000  BRAQ33      5
WSRC4318  288.  0.2710  0.8958      0      0
SO      2820.  431803
** Amendment,Certificate 4318B
IF228302  12827  IFLGC19211231      1                IF4318_ON
WR228302  20      LGC19211231      1  1      1  LGCALT      C4318_4
WR431831  0      LGC20010118      1  2                C4318_3
WS  4318  8.5  0.5228  0.8206      0      0
SO      LGCALT
IF228302  0      IFLGC19211231      1                IF4318_OF

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IF228302	12827	IFLGC20010118	1		IF4318_OA				
**									
WR431902	34.0	IRR219620331	1	2	0.0000	C4319_1	C431964319002		BIRCH
WILFONG							3243900000 BRQA33	5	
WR432001	84.0	IRR219670731	1	2	0.0000	C4320_1	C432064320001		HERMAN
L HORN							3242600000 BRWA41	5	
**IF414101	170204.	IFD05119840515				1			IFP4141_1
A									
**WR414101	170.	IRR219840515	1	2	0.0000	P4141_1	P414114141001		W
L MCPHERSON ET AL							3242510000 CFNU16	A 5	
WR432101	337.	IRR219630831	1	2	0.0000	C4321_1	C432164321001		WALTON
K BALLEW							3242300000 BRWA41	5	
WR432202	175.	IRR219640630	1	2	0.0000	C4322_1	C432264322002		ALTHIA
B G BURNETTE							3242200000 BRWA41	5	
WR432301	173.	IRR219560630	1	2	0.0000	C4323_1	C432364323001		DOCK
L BURNETTE							3242000000 BRWA41	5	
WR432401	305.	IRR219650630	1	2	0.0000	C4324_1	C432464324001		VANESSA
A GILPIN							3241950000 BRWA41	5	
WR432441	0.	IRR219650630	1	2	0.0000	C4324_2	C432464324001		VANESSA
A GILPIN							3241950000 BRWA41	5	
WSRC4324	12.0	0.2710 0.8958			0				
WR432501	48.0	IRR219670630	1	2	0.0000	C4325_1	C432564325001		NELDA
KATHRYN CARGILL							3241500000 BRWA41	5	
WR432601	6.0	IRR219591231	1	2	0.0000	C4326_1	C432664326001		DAN
WELDON WILLIAMS							3241480000 BRWA41	5	
WR432701	4.0	IRR219591231	1	2	0.0000	C4327_1	C432764327001		DAN
WELDON WILLIAMS							3241470000 BRWA41	5	
WR432801	40.0	IRR219640701	1	2	0.0000	C4328_1	C432864328001		GEORGE
L MOORE							3241460000 BRWA41	5	
WR432901	74.0	IND219641231	1	2	0.0000	C4329_1	C432964329001		THOMAS
BOTHERS GRASS LTD							3241270000 BRWA41	5	
WR432901	856.	IRR219641231	1	2	0.0000	C4329_2	C432964329001		THOMAS
BOTHERS GRASS LTD							3241270000 BRWA41	5	
WR433201	32.0	IRR219401231	1	2	0.0000	C4332_1	C433264332001		KARL
LEE REDDELL ET AL							3240900000 BRWA41	5	
WR433101	44.0	IRR219401231	1	2	0.0000	C4331_1	C433164331001		DIANA
M WELLBORN ET AL							3240880000 BRWA41	5	
WR433001	16.0	IRR219401231	1	2	0.0000	C4330_1	C433064330001		KARL
LEE & ELSIE MAE REDDELL							3240870000 BRWA41	5	
WR433331	8.0	IRR219760614	1	2	0.0000	C4333_1	C433364333001		HILLSBORO
COUNTRY CLUB							3232900000 AQAQ34	5	
WSRC4333	18.0	0.5228 0.8206			0				

** Lake Aquilla
 ** Use is also authorized in San Jacinto-Brazos Coastal Basin.
 **

IF515831	362.	UNIFO19761025	3			IFC5158_1			
WSAQUILLA	35755.				0				
OR515831			-1						
** FNI change - System Operation									
WR515831	12246.	MUN219761025	1	2	0.0000	C5158_1	C515865158001		BRAZOS
RIVER AUTHORITY							3232500000 AQAQ34	5	
WSAQUILLA	35755.				0				
PX	1								
WR515831	1650.	MUN219761025	1	4	R51581 106301	C5158_2	C515865158001		BRAZOS
RIVER AUTHORITY							3232500000 AQAQ34	5	
WSAQUILLA	35755.				0				
PX	1								
WR515831	0.0	IND219761025	1	2	0.0000	C5158_3	C515865158001		BRAZOS
RIVER AUTHORITY							3232500000 AQAQ34	5	
WSAQUILLA	35755.				0				
PX	1								
WR515831	0.0	MIN219761025	1	2	0.0000	C5158_4	C515865158001		BRAZOS
RIVER AUTHORITY							3232500000 AQAQ34	5	
WSAQUILLA	35755.				0				
PX	1								
WR515831	0.0	UNIFO19761025	1	2	0.0000	C5158_5	C515865158001		BRAZOS
RIVER AUTHORITY							3232500000 AQAQ34	5	
WSAQUILLA	35755.				0				
PX	1								

** SysOp Change:
 ** Calculate the total depletion for water right 5158.
 WRSR5158 19761025 Compute Dep 5158 SYSTEM
 TO 6 1.0 ADD C5158_1 CONT
 TO 6 1.0 ADD C5158_2 CONT
 TO 6 1.0 ADD C5158_3 CONT
 TO 6 1.0 ADD C5158_4 CONT
 TO 6 1.0 ADD C5158_5
 PX 4

** SysOp Change:
 ** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited to the regulated flow. In the first pass, the regulated flow is the depletion from the reservoir. In the second pass,

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** the depletion is limited to the first pass (base run)
WRSR5158 9999999      19761025      Depletion 5158  SYSTEM
PX      5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
WR515831      19761025      1.0000  5158DP      Lumped Dep 5158  SYSTEM 1simdep
TO      11      1.0      ADD      Depletion 5158
PX      2
** Special code to output storage from first simulation
WRAQ_dum      19761025      1simAQstor      look
TO      4      SET      AQUILA
PX      4
WRAQ_dum 9999999 XMONTH19761025      2simAQstor      look
PX      5
** - End modeling Aquila Reservoir.
** end FNI change
WR433431      1.0      IRR219640811      1 2 0.0000      C4334_1      C433464334001      "GEORGE
W. MCNIEL, ET AL"      AQUILLA CRK      3232000000      AQAQ34      5
WSRC4334      50.0      0.5228  0.8206      0      0
WR433501      40.0      IRR219640731      1 2 0.0000      C4335_1      C433564335001      ALPHONS
D URBANOVSKY      AQUILLA CRK      3229000000      BRWA41      5
WR433601      55.0      IRR219530630      1 2 0.0000      C4336_1      C433664336001      FAYE
SMITH ROMINE      GILES      3224800000      BRWA41      5
WR433601      55.0      IRR219530630      1 2 0.0000      C4336_2      C433664336001      KAYE
SMITH BOYD      GILES      3224800000      BRWA41      5
WR433701      58.0      IRR219660630      1 2 0.0000      C4337_1      C433764337001      DONALD
RISINGER PENSION PLAN      WHITE RIVER      3224680000      BRWA41      5
WR433801      130.      IRR219630523      1 2 0.0000      C4338_1      C433864338001      "JIM
G DOLLINS, SR"      BRAZOS RIVER      3224650000      BRWA41      5
WR220131      197.      IRR219680318      1 2 0.0000      C2201_1      C220162201002      "A.
B. COPELAND, JR."      N BOSQUE RIVER      3224500000      NBHI35      6
WSRC2201      197.      0.5228  0.8206      0      0
** The following three water rights share the same reservoir, but their right to divert has expired.
WR220331      0.0      D&L219720821      1 2 0.0000      C2203_1      C220362203301      LARRY
R JONES      N BOSQUE RIVER      3224450000      NBHI35      6
WSRC2202      252.      0.5228  0.8206      0      0
WR220331      0.0      D&L219720821      1 2 0.0000      C2202_1      C220262202301      JAMES
F EVERETT      N BOSQUE RIVER      3224420000      NBHI35      6
WSRC2202      252.      0.5228  0.8206      0      0
WR220331      0.0      D&L219720821      1 2 0.0000      C2204_1      C220462204001      JERRY
J. RANKIN ET AL      N BOSQUE RIVER      3224410000      NBHI35      6
WSRC2202      252.      0.5228  0.8206      0      0
WR220531      150.      IRR219701221      1 2 0.0000      C2205_1      C220562205001      JACK
BERRY      SCARBOROUGH CRK      3224400000      NBHI35      6
WSRC2205      307.      0.5228  0.8206      0      0
** The following 2 water rights share the same reservoir (RC2206).
WR220631      60.0      IRR219720103      1 2 0.0000      C2206_1      C220662206001      H.
W. NORTHCUTT      N FRK N BOSQUE RIVER      3224330000      NBHI35      6
WSRC2206      185.      0.5228  0.8206      0      0
WR220631      23.0      IRR219720103      1 2 0.0000      C2207_1      C220762207001      "ELVIS
RAY STONE SR, ET AL"      N FRK N BOSQUE RIVER      3224300000      NBHI35      6
WSRC2206      185.      0.5228  0.8206      0      0
** This water right (C2208) was reduced to 60 acft/yr under amendment C2208A, then split
** under amendment C2208B into 40 acft/yr & 20 acft/yr portions. The 20 acft/yr portion also represents
** a change in diversion location. While maintaining its 07/06/1971 priority date it was made
** junior to a list of water rights intervening between the original diversion location and the
** new diversion location. The 20 acft/yr portion is included in the input file in an order equivalent
** to the new diversion location, but the subordination to the intervening rights is not modeled.
WR220831      40.0      IRR219710706      1 2 0.0000      C2208_1      C220862208001      B
R FANNING      N FRK BOSQUE RIVER      3224270000      NBHI35      6
WSRC2208      121.      0.5228  0.8206      0      0
WR220931      3.0      IRR219770912      1 2 0.0000      C2209_1      C220962209001      H.
B. LANE      N FRK N BOSQUE RIVER      3224250000      NBHI35      6
WSRC2209      7.0      0.5228  0.8206      0      0
WR221001      92.0      IRR219530401      1 2 0.0000      C2210_1      C221062210001      RAYMOND
L. JARRATT      N BOSQUE RIVER      3224230000      NBHI35      6
WR221131      85.0      IRR219770124      1 2 0.0000      C2211_1      C221162211001      J.
T. HICKS      N BOSQUE RIVER      3224000000      NBHI35      6
WSRC2211      147.      0.5228  0.8206      0      0
**WR390002      150.      IRR219820607      1 2 0.0000      P3900_1      P390013900002      ANN
WYLIE MARTIN      S FRK N BOSQUE RIVER      3223830000      NBHI35      A 6
**WSRP3900      336.      0.8109  0.6681      0      0
** Water Rights C2212, C2213, & C2214 share the common reservoir RC2212. The diversion
** for these rights has expired, but the impoundment has not.
WR221231      0.0      D&L219720821      1 2 0.0000      C2212_1      C221262212301      BRUCE
S TERRILL      GOOSE BR      3223660000      NBHI35      6
WSRC2212      200.      0.4897  0.7633      0      0
WR221231      0.0      D&L219720821      1 2 0.0000      C2213_1      C221362213301      WILBURN
L GAINES      GOOSE BR      3223650000      NBHI35      6
WSRC2212      200.      0.4897  0.7633      0      0
WR221231      0.0      D&L219720821      1 2 0.0000      C2214_1      C221462214301      G
K LEWALLEN      GOOSE BR      3223640000      NBHI35      6

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WSRC2212	200.	0.4897	0.7633	0	0							
** Water rights C2216 & C2215 share the common reservoir RC2216.												
WR221631	54.0	IRR219680226		1	2	0.0000	C2216_1	C221662216001				CRAIG
W. RAY								3223600000	NBHI35	6		
WSRC2216	160.	0.5228	0.8206	0	0							
WR221631	54.0	IRR219680226		1	2	0.0000	C2215_1	C221562215001				GREAT
SOUTHERN RANCH INC								3223500000	NBHI35	6		
WSRC2216	160.	0.5228	0.8206	0	0							
** Diversion portion of the right has expired and the storage reduced to 200 acft from 240.												
** Rights C2217 & C2218 share the common reservoir RC2217.												
WR221731	0.0	D&L219730205		1	2	0.0000	C2217_1	C221762217301				O
H FRAZIER & M B CASEY								3223110000	NBHI35	6		
WSRC2217	200.	0.5228	0.8206	0	0							
WR221731	0.0	D&L219780710		1	2	0.0000	C2218_1	C221862218301				SAMUEL
M FRAZIER ET AL								3223000000	NBHI35	6		
WSRC2217	200.	0.5228	0.8206	0	0							
** Water available to this right is from City of Stephenville effluent discharges.												
**WR561931	0.0	UNIFO19981130		1	2	0.0000	P5619_1	P561915619301				CITY
OF STEPHENVILLE								3222900000	NBHI35	A	6	
**WSRP5619	4.0	0.5228	0.8206	0	0							
**SO			102902									
WR221901	13.0	IRR219641231		1	2	0.0000	C2219_1	C221962219001				"JAMES
F JOHNSON, ET UX"								3222800000	NBHI35	6		
WR222001	12.0	IRR219630531		1	2	0.0000	C2220_1	C222062220001				HAROLD
PACK								3222700000	NBHI35	6		
** This water right is subject to the availability of effluent in the North Bosque River.												
**IF500702	1087.0	IFD06119850906		1								IFP5007_1
A												
**WR500702	38.0	IRR219850906		1	2	0.0000	P5007_1	P500715007002				GARY
FIRESTONE ET UX								3222550000	NBHI35	A	6	
**SO			102902									
** Original Lesley 12-2221												
WR222101	18.0	IRR219621231		1	2	0.0000	C2221_1	C222162221001				KENNETH
& BETTY YVON LESLEY								3222500000	NBHI35	6		
** Term water granted by 12-2221A (Lesley) expires in 2012, December 31 - JD												
**IF222101	841.78	2221IF19991104		1								IFC2221_2
A												
**WR222101	82.0	2221A19991104		1	2	0.0000	C2221_2	C222162221002				KENNETH
& BETTY YVON LESLEY								3222500000	NBHI35	6		
WR222201	110.	IRR219621031		1	2	0.0000	C2222_1	C222262222001				HARM
& ZWAANTINA TE VELDE TRST								3222200000	NBHI35	6		
** This water right is subject to the availability of effluent in the North Bosque River.												
**IF505201	1087.0	IFD06119860328		1								IFP5052_1
A												
**WR505201	80.0	IRR219860328		1	2	0.0000	P5052_1	P505215052001				ROBERT
LAWRENCE HANCOCK ET UX								3221610000	NBHI35	A	6	
**SO			102902									
WR222301	0.0	IRR219770815		1	2	0.0000	C2223_1	C222362223001				LAWRENCE
A. HANCOCK								3221600000	NBHI35	B	6	
WR222431	0.0	D&L219740311		1	2	0.0000	C2224_1	C222462224301				VALERIE
JANE HICKIE								3221580000	NBHI35	6		
WSRC2224	280.	0.5228	0.8206	0	0							
WR222501	34.0	IRR219660630		1	2	0.0000	C2225_1	C222562225001				TY
MURRAY								3221550000	NBHI35	6		
** Water rights C2230 & C2231 share the common reservoir RC2230.												
WR223031	76.0	IRR219661024		1	2	0.0000	C2230_1	C223062230001				TY
MURRAY								3221350000	NBHI35	6		
WSRC2230	200.	0.5228	0.8206	0	0							
WR223031	42.0	IRR219661024		1	2	0.0000	C2231_1	C223162230001				ESTATE
OF C C WINTERS								3221250000	NBHI35	6		
WSRC2230	200.	0.5228	0.8206	0	0							
WR223231	16.0	IRR219680325		1	2	0.0000	C2232_1	C223262232101				CHARLES
A & ROBERT S ELLIOTT								3221300000	NBHI35	6		
WSRC2232	172.	0.5228	0.8206	0	0							
WR222731	60.0	IRR219651118		1	2	0.0000	C2227_1	C222762227001				CHARLIE
S EVERETT & WIFE								3221000000	NBHI35	6		
WSRC2227	87.5	0.5228	0.8206	0	0							
WR222831	60.0	IRR219680226		1	2	0.0000	C2228_1	C222862228001				SWAN
E RICHARDSON JR								3220800000	NBHI35	6		
WSRC2228	272.	0.5228	0.8206	0	0							
WR222601	61.0	IRR219600731		1	2	0.0000	C2226_1	C222662226001				T
T FAIR ET UX								3220500000	NBHI35	6		
WR222901	44.0	IRR219530531		1	2	0.0000	C2229_1	C222962229001				J
B MCCONNELL								3220350000	NBHI35	6		
**IF555711	1227.0	IFD06219860328		1								IFP5557_1
A												
**WR555711	100.	IRR219960719		1	2	0.0000	P5557_1	P555715557101				RANDY
M TRAYLOR ET UX								3220200000	NBHI35	A	6	
WR223301	18.0	IRR219570731		1	2	0.0000	C2233_1	C223362233001				J
W OGLE ET AL								3220060000	NBHI35	6		
WR223401	125.	IRR219631231		1	2	0.0000	C2234_1	C223462234001				BRUCE
E TODD								3220050000	NBHI35	6		
IFP41242	3594.	IFD06319820621		1								IFP4124_1

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WR412431	225.	IRR219820621	1	2	0.0000	P4124_1	P412414124001			BRUCE
E TODD							3220043000	NBHI35	6	
WSRP4124	180.	0.8109	0.6681	0	0					
WR412431	0.	IRR219820621	1	2	0.0000	P4124_2	P412414124001			BRUCE
E TODD							3220043000	NBHI35	6	
WSRP4124	180.	0.8109	0.6681	0	0					
SO		P41242								
WR223501	8.0	IRR219630430	1	2	0.0000	C2235_1	C223562235001			7
M RANCH TRUST							3220040000	NBHI35	6	
WR223601	24.0	IRR219611231	1	2	0.0000	C2236_1	C223662236001			BRUCE
E TODD							3220030000	NBHI35	6	
WR223731	90.0	IRR219580604	1	2	0.0000	C2237_1	C223762237001			MAX
L GORDON & ELOISE GORDON							3220000000	NBHI35	6	
WSRC2237	181.	0.5228	0.8206	0	0					
** Divert maximum of 130 acft/yr from 149 acft on-channel reservoir.						Divert 66 acft/yr from				
** off-channel reservoirs and Green Creek.										
WR223831	130.0	IRR219550731	1	2	0.0000	C2238_1	C223862238001			JON
DAVID MAYFIELD TRUST							3216000000	NBHI35	6	
WSRC2238	149.0	0.5228	0.8206	0	0					
WR223841	66.0	IRR119550731	1	2	0.0000	C2238_2	C223862238001			
NBHI35										
WSR22381	60.0	0.2710	0.8958	0	0					
SO		196.	223801							
WR223931	32.0	IRR219550627	1	2	0.0000	C2239_1	C223962239001			A.
H. LINNE							3214000000	NBHI35	6	
WSRC2239	164.	0.5228	0.8206	0	0					
WR224031	137.	IRR219701013	1	2	0.0000	C2240_1	C224062240002			A
DWAIN MAYFIELD ET AL							3212000000	NBHI35	6	
WSRC2240	137.	0.5228	0.8206	0	0					
** Water rights C2241 & C2242 share the common reservoir RC2241.										
WR224131	33.0	IRR219691222	1	2	0.0000	C2241_1	C224162241001			"WAYNE
PITTMAN, ET AL"							3207000000	NBHI35	6	
WSRC2241	148.	0.5228	0.8206	0	0					
WR224131	40.0	IRR219691222	1	2	0.0000	C2242_1	C224262242001			MRS
W K RICHARDSON							3206990000	NBHI35	6	
WSRC2241	148.	0.5228	0.8206	0	0					
WR224331	90.0	IRR219580908	1	2	0.0000	C2243_1	C224362243002			BEN
E. ROBBINS							3205000000	NBHI35	6	
WSRC2243	188.	0.5228	0.8206	0	0					
** Water rights C2244 & C2245 share the common reservoir RC2244.										
WR224431	27.0	IRR219650202	1	2	0.0000	C2244_1	C224462244001			DONALD
MCLEAN							3204000000	NBHI35	6	
WSRC2244	54.0	0.5228	0.8206	0	0					
WR224431	20.0	IRR219650202	1	2	0.0000	C2245_1	C224562245001			DORIS
S HEIZER							3203000000	NBHI35	6	
WSRC2244	54.0	0.5228	0.8206	0	0					
WR224631	152.	IRR219660330	1	2	0.0000	C2246_1	C224662246001			DON
MITCHELL ET AL							3201000000	NBHI35	6	
WSRC2246	199.	0.4897	0.7633	0	0					
** Water rights C2247_1, C2248, & C2249 share the common reservoir RC2248.										
WR224831	35.0	IRR219680408	1	2	0.0000	C2247_1	C224762247001			BAR-
TO-LO CORPORATION							3197150000	NBHI35	6	
WSRC2248	179.	0.5228	0.8206	0	0					
**WSRC2247	27.0	0.5228	0.8206	0	0					
WR224831	62.0	IRR219570930	1	2	0.0000	C2248_1	C224862248001			ALWINA
LUINE HEIZER HANCOCK							3197050000	NBHI35	6	
WSRC2248	179.	0.5228	0.8206	0	0					
WR224831	19.0	IRR219680408	1	2	0.0000	C2249_1	C224962249002			THOMAS
H. & DOLORES C. BENSON							3197000000	NBHI35	6	
WSRC2248	179.	0.5228	0.8206	0	0					
WR225001	4.0	IRR219670731	1	2	0.0000	C2250_1	C225062250001			OTHEY
SHADDEN							3192500000	NBHI35	6	
WR225101	28.0	IRR219630718	1	2	0.0000	C2251_1	C225162251001			WANDA
TRIMBLE							3191600000	NBHI35	6	
WR225331	0.0	D&L219730730	1	2	0.0000	C2253_1	C225362253301			J
P CATTLE COMPANY							3191250000	NBHI35	6	
WSRC2253	270.	0.5228	0.8206	0	0					
WR225201	30.0	IRR219631231	1	2	0.0000	C2252_1	C225262252001			J
B PUTTY TRUSTEE							3191200000	NBHI35	6	
**WR505131	606.	IRR219860328	1	2	0.0000	P5051_1	P505115051001			DENNIS
R HADEN							3191150000	NBHI35	A 6	
**WSRP5051	1227.	0.5228	0.8206	0	0					
WR225501	47.7	IRR219621231	1	2	0.0000	C2255_1	C225562255001			WAYNE
V DUNCAN ET UX							3191020000	NBHI35	6	
WR225501	26.8	IRR219621231	1	2	0.0000	C2255_2	C225562255001			ROBERT
L BOYKIN ET AL							3191020000	NBHI35	6	
WR225501	84.5	IRR219621231	1	2	0.0000	C2255_3	C225562255001			GARY
W DUNCAN ET AL							3191020000	NBHI35	6	
WR225401	65.0	IRR219551231	1	2	0.0000	C2254_1	C225462254001			W
E PUTTY							3191010000	NBHI35	6	
WR225801	32.0	IRR219661231	1	2	0.0000	C2258_1	C225862258001			RANDOLPH
M ROTEN							3191000000	NBHI35	6	
WR225901	112.0	IRR219651231	1	2	0.0000	C2259_1	C225962259001			F
MELVIN JOHNSON							3190510000	NBHI35	6	

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WR226001	56.0	IRR219500731	1	2	0.0000				C2260_1	C226062260001			F.
MELVIN & HELENE JOHNSON										3190490000	NBHI35	6	
WR226101	8.0	IRR219671231	1	2	0.0000				C2261_1	C226162261001			CECIL
PARKS										3190200000	NBCL36	6	
WR226201	30.0	IRR219671231	1	2	0.0000				C2262_1	C226262262001			VERNON
CLARK BEAIRD										3189650000	NBCL36	6	
WR226301	65.0	IRR219591231	1	2	0.0000				C2263_1	C226362263001			WILLIAM
VAN ZANDT SLOAN & WIFE										3188500000	NBCL36	6	
WR226404	45.0	IRR219551231	1	2	0.0000				C2264_1	C226462264004			WILLIAM
VAN ZANDT SLOAN & WIFE										3188400000	NBCL36	6	
WR226501	268.0	IRR219551231	1	2	0.0000				C2265_1	C226562265001			DEREL
FILLINGIM										3188000000	NBCL36	6	
** Expired													
**WR378331	0.	IRR219801006	1	2	0.0000				P3783_1	P378313783001			DEREL
FILLINGIM										3187900000	NBCL36	A 6	
**WSRP3783	75.0	0.5228	0.8206		0								
**IF378301	10136.0	IFD06419801006					1						IFP3783_1
A													
**WR378301	200.	IRR219801006	1	2	0.0000				P3783_2	P378313783001			DEREL
FILLINGIM										3187900000	NBCL36	A 6	
**WR378331	0.	IND219801006	1	2	0.0000				P3783_3	P378313783001			DEREL
FILLINGIM										3187900000	NBCL36	A 6	
**WSRP3783	75.0	0.5228	0.8206		0								
**SO		200.											
WR226601	18.0	IRR219661231	1	2	0.0000				C2266_1	C226662266001			KARL
T BUTZ JR										3186850000	NBCL36	6	
WR226701	0.3	IRR219471231	1	2	0.0000				C2267_1	C226762267001			RONNIE
W PARTAIN										3185900000	NBCL36	6	
WR226701	0.7	IRR219471231	1	2	0.0000				C2267_2	C226762267001			MARGO
JOY PARTAIN BATTERSHELL										3185900000	NBCL36	6	
WR226801	11.0	IRR219631231	1	2	0.0000				C2268_1	C226862268001			"BARRY
L. POLK, ET UX"										3185880000	NBCL36	6	
WR226901	4.0	IRR219661231	1	2	0.0000				C2269_1	C226962269001			MICHAEL
J LOTT ET UX										3184520000	NBCL36	6	
WR227031	24.0	IRR219670531	1	2	0.0000				C2270_1	C227062270001			J.
N. BURNS										3184250000	NBCL36	6	
WSRC2270	26.0	0.4897	0.7633		0								
WR227101	15.0	IRR219501231	1	2	0.0000				C2271_1	C227162271001			ALBERT
N PIKE & EUGENIA PIKE GOODMAN										3184000000	NBCL36	6	
WR227201	42.0	IRR219661231	1	2	0.0000				C2272_1	C227262272001			DAVID
H. MONNICH										3183500000	NBCL36	6	
WR227302	98.0	IRR219791106	1	2	0.0000				C2273_1	C227362273002			W.F.LONG
ROUGH CRK										3181000000	NBCL36	6	
WSC22731	450.	0.5228	0.8206		0								
WR227301	0.0	IRR219791106	1	2	0.0000				C2273_2	C227362273001			W.F.LONG
ROUGH CRK										3181000000	NBCL36	6	
WSRC2273	78.	0.5228	0.8206		0								
SO		98.0											
** Water Right C2274 shares 99 acft of storage with C2275 in reservoir C22753.													
**WR227432	81.0	IRR219691020	1	2	0.0000				C2274_1	C227462274002			LOUIS
A BEECHERL JR										3180100000	NBCL36	6	
**WSC22741	1217.	0.5228	0.8206		0								
**WR227431	0.0	IRR219691020	1	2	0.0000				C2274_2	C227462274001			LOUIS
A BEECHERL JR										3180100000	NBCL36	6	
**WSC22742	248.	0.4897	0.7633		0								
**SO													
**WR227537	0.0	IRR219691020	1	2	0.0000				C2274_3	C227462275007			LOUIS
A BEECHERL JR										3180100000	NBCL36	6	
**WSC22753	99.	0.5228	0.8206		0								
**SO													
** Grouped 5 of 7 reservoirs associated with this right at control point 227511 for a combined													
** storage of 1166 acft. Reservoir C22753 shared with C2274.													
**WR227514	155.	IRR219691020	1	2	0.0000				C2275_1	C227562275014			LOUIS
A BEECHERL JR										3180050000	NBCL36	6	
**WR227536	0.	IRR219691020	1	2	0.0000				C2275_2	C227562275006			LOUIS
A BEECHERL JR										3180050000	NBCL36	6	
**WSC22751	579.	0.4897	0.7633		0								
**SO													
**WR227511	0.	IRR219691020	1	2	0.0000				C2275_3	C227562275011			LOUIS
A BEECHERL JR										3180050000	NBCL36	6	
**WSC22752	1166.	0.5228	0.8206		0								
**SO													
**WR227537	0.	IRR219691020	1	2	0.0000				C2275_4	C227562275007			LOUIS
A BEECHERL JR										3180050000	NBCL36	6	
**WSC22753	99.	0.5228	0.8206		0								
**SO													
**WR227631	90.0	IRR219541231	1	2	0.0000				C2276_1	C227662276001			LOUIS
A BEECHERL JR										3180000000	NBCL36	6	
**WSRC2276	90.0	0.5228	0.8206		0								
** WR/WS/SO/IF Records added/changed for C2276, Louis A Beecherl Jr.													
** 3 certificates combined into 1. C2274 & C2275 into C2276.													
WR227633	81.0	IRR219691020	1	2	0.0000				C2276_1	C227662276003			LOUIS
A BEECHERL JR										3180100000	NBCL36	6	
WSC22763	1217.	0.5228	0.8206		0								

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WR227632	0.0	IRR219691020	1 2 0.0000		C2276_2	C227662276002			LOUIS
A BEECHERL JR			FLAG			3180100000 NBCL36	6		
WSC22762	248.	0.4897 0.7633	0 0						
SO			BACKUP						
WR22763B	0.0	IRR219691020	1 2 0.0000		C2276_3	C227662276011			LOUIS
A BEECHERL JR			FLAG			3180100000 NBCL36	6		
WSC2276B	99.	0.5228 0.8206	0 0						
SO			BACKUP						
** Grouped 5 of 7 reservoirs associated with this right at control point 227613 for a combined									
** storage of 1166 acft.									
WR227616	155.	IRR219691020	1 2 0.0000		C2276_4	C227662276106			LOUIS
A BEECHERL JR			BULL CRK			3180050000 NBCL36	6		
WR22763A	0.	IRR219691020	1 2 0.0000		C2276_5	C227662276010			LOUIS
A BEECHERL JR			BULL CRK			3180050000 NBCL36	6		
WSC2276A	579.	0.4897 0.7633	0 0						
SO			BACKUP						
WR227613	0.	IRR219691020	1 2 0.0000		C2276_6	C227662276103			LOUIS
A BEECHERL JR			BULL CRK			3180050000 NBCL36	6		
WSC22767	1166.	0.5228 0.8206	0 0						
SO			BACKUP						
WR22763B	0.	IRR219691020	1 2 0.0000		C2276_7	C227662276011			LOUIS
A BEECHERL JR			BULL CRK			3180050000 NBCL36	6		
WSC2276B	99.	0.5228 0.8206	0 0						
SO			BACKUP						
WR227631	90.0	IRR219541231	1 2 0.0000		C2276_8	C227662276001			LOUIS
A BEECHERL JR			E BOSQUE RIVER			3180000000 NBCL36	6		
WSRC2276	90.0	0.5228 0.8206	0 0						
SO			BACKUP						
WR227702	10.0	IRR219511231	1 2 0.0000		C2277_1	C227762277002			"THOMAS
G PETERS, ET UX"			E BOSQUE RIVER			3179500000 NBCL36	6		
WR227802	114.	IRR219661231	1 2 0.0000		C2278_1	C227862278002			WILLIAM
E. GIPSON			N BOSQUE RIVER			3178500000 NBCL36	6		
WR227901	9.0	IRR219671231	1 2 0.0000		C2279_1	C227962279001			LOUISE
P L HAMPE ET AL			N BOSQUE RIVER			3178000000 NBCL36	6		
WR228002	69.0	IRR219550731	1 2 0.0000		C2280_1	C228062280002			JOHN
DAVID BELL ET UX			N BOSQUE RIVER			3177500000 NBCL36	6		
IF228101	3585.0	IFD06519600430	1	IFC2281_1					
WR228101	7.0	IRR219600430	1 2 0.0000		C2281_1	C228162281001			RAY
J MILLER			N BOSQUE RIVER			3174500000 NBCL36	6		
**WR228101	100.	IRR219841001	1 2 0.0000		C2281_2	C228162281001			RAY
J MILLER			N BOSQUE RIVER			3174500000 NBCL36	A 6		
WR228202	253.	IRR219581231	1 2 0.0000		C2282_1	C228262282002			LESTER
M ALBERTHAL JR			N BOSQUE RIVER			3174000000 NBCL36	6		
WR228301	8.0	IRR219641231	1 2 0.0000		C2283_1	C228362283001			MARGARET
D WHITE			N BOSQUE RIVER			3171500000 NBCL36	B 6		
WR228402	25.0	IRR219391231	1 2 0.0000		C2284_1	C228462284002			L
C AND ISABELLE C HOWARD			N BOSQUE RIVER			3171000000 NBCL36	6		
WR228501	35.0	IRR219491231	1 2 0.0000		C2285_1	C228562285001			LEONARD
C RADDE			N BOSQUE RIVER			3170000000 NBCL36	6		
**IF541101	3620.0	IFD06619920327		1					IFP5411_1
A									
**WR541101	20.0	IRR219920327	1 2 0.0000		P5411_1	P541115411001			NORMAN
J NEELEY			N BOSQUE RIVER			3168260000 NBCL36	A 6		
WR228731	7.0	IRR219651231	1 2 0.0000		C2287_1	C228762287001			BILLY
G AND IRIS S HODGES			AUSTIN BR			3164500000 NBCL36	6		
WSRC2287	13.0	0.4897 0.7633	0 0						
WR228801	3.5	IRR219651231	1 2 0.0000		C2288_1	C228862288001			SHANNON
LAIRD HODGES ET AL			AUSTIN BR			3164000000 NBCL36	6		
**WR380934	230.	IRR219801103	1 2 0.0000		P3809_1	P380913809004			MRS
JESSIE M REED			SPRING CRK			3163510000 NBCL36	A 6		
WR228931	0.0	UNIFO19690922	1 2 0.0000		C2289_1	C228962289301			TEXAS
PARKS & WILDLIFE DEPT			BEE CRK			3162000000 NBCL36	6		
WSRC2289	360.	0.5228 0.8206	0 0						
WR555101	7.0	IRR219631231	1 2 0.0000		C2291_1	C229162991001			CITY
OF CLIFTON			N BOSQUE RIVER			3161000001 NBCL36	6		
WSRC2291	100.	0.5228 0.8206	0 0						
WR555101	600.	MUN219630314	1 2 0.0000		C2291_2	C229162991001			CITY
OF CLIFTON			N BOSQUE RIVER			3159000000 NBCL36	6		
WSRC2291	100.	0.5228 0.8206	0 0						
WR229002	16.1	IRR219561231	1 2 0.0000		C2290_1	C229062290002			J.
L. JENSON			N BOSQUE RIVER			3161000000 NBCL36	6		
WR229002	28.9	IRR219561231	1 2 0.0000		C2290_2	C229062290002			JAMES
CROSLLEY ET UX			N BOSQUE RIVER			3161000000 NBCL36	6		
IF555101	8172.0	IFD06719960403	1	IFP5551_1					
WR555131	0	19960403			P5551_1				
WSRP5551	2000	0.5228 0.8206							
PX 1									
WR555131	0	19960403			P5551_2	P5551			
WSRP5551	2000	0.5228 0.8206							
PX 2									
WR555131	2004.	MUN219960403	1 2 0.0000		P5551_3	5551001			CITY
OF CLIFTON			N BOSQUE RIVER			3160000000 NBCL36	6		
WSRP5551	2000.	0.5228 0.8206	0 0						
SO	714	2004. 555101							

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WR365701	56.0	IRR219650731	1	2	0.0000	C3657_1	C365763657001			LEO
C HAGGARD ET UX							2385160000	LEHM46	7	
WR365801	7.0	IRR219630331	1	2	0.0000	C3658_1	C365863658001			H
L WILLINGHAM ESTATE							2385150000	LEHM46	7	
WR365931	200.	MUN219250720	1	2	0.0000	C3659_1	C365963659001			ERW
INC ET AL							2385000000	LEHM46	7	
WSRC3659	1000.	0.5228	0.8206		0					
WR365931	200.	IRR219760329	1	2	0.0000	C3659_2	C365963659001			ERW
INC ET AL							2385000000	LEHM46	7	
WSRC3659	1000.	0.5228	0.8206		0					
WR366031	58.0	IRR219520731	1	2	0.0000	C3660_1	C366063660001			BELVE
BEAN							2381000000	LEHM46	7	
WSRC3660	120.	0.5228	0.8206		0					
WR366031	11.0	IND219610731	1	2	0.0000	C3660_2	C366063660001			BELVE
BEAN							2381000000	LEHM46	7	
WSRC3660	120.	0.5228	0.8206		0					
WR366101	187.	IRR219640630	1	2	0.0000	C3661_1	C366163661001			C
H MCCALL ET UX							2380500000	LEHM46	7	
WR366231	600.	IRR219471218	1	2	0.0000	C3662_1	C366263662001			"JIMMY
E GORE, ET AL"							2380000000	LEHM46	7	
WSRC3662	4800.	0.5228	0.8206		0					
WR366231	0.0	UNIFO19750422	1	2	0.0000	C3662_2	C366263662001			"JIMMY
E GORE, ET AL"							2380000000	LEHM46	7	
WSRC3662	4800.	0.5228	0.8206		0					
WR366331	67.0	IRR219490430	1	2	0.0000	C3663_1	C366363663001			R
E BASHAM JR							2379680000	LEHM46	7	
WSRC3663	36.0	0.5228	0.8206		0					
WR347601	51.0	IRR219520430	1	2	0.0000	C3476_1	C347663476001			GARTH
PETTIT							2379650000	LEHM46	7	
WR281603	36.0	IRR219681231	1	2	0.0000	C2816_1	C281662816003			E
W CANTRELL ET UX							2379580000	LEHM46	7	
WR281503	69.0	IRR219681231	1	2	0.0000	C2815_1	C281562815003			NANCY
PAGE ALLEN ET VIR							2379560000	LEHM46	7	
**WR281701	258.	IRR219650131	1	2	0.0000	C2817_1	C281762817001			GRACE
OLENA ADAMS							2379480000	LEHM46	7	
WR281401	83.0	IRR219531231	1	2	0.0000	C2814_1	C281462814001			ESTATE
OF WAYNE ADAMS; GRACE OLENA ADAMS							2379450000	LEHM46	7	
**WR281411	870.	IRR219531231	1	2	0.0000	C2814_2	C281462814101			ESTATE
OF WAYNE ADAMS; GRACE OLENA ADAMS							2379460000	LEHM46	7	
WR281411	170.	IRR219531231	1	2	0.0000	C2814_2	C281462814101			ESTATE
OF WAYNE ADAMS; GRACE OLENA ADAMS							2379460000	LEHM46	7	
WR281441	0.	UNIFO19531231	1	2	0.0000	C2814_3	C281462814001			ESTATE
OF WAYNE ADAMS; GRACE OLENA ADAMS							2379460000	LEHM46	7	
WSRC2814	3.0	0.5228	0.8206		0					
WR281901	32.0	IRR219500831	1	2	0.0000	C2819_1	C281962819001			J
B GUNTER							2379170000	LEHM46	7	
WR281801	18.0	IRR219500831	1	2	0.0000	C2818_1	C281862818001			P
D GUNTER							2379130000	LEHM46	7	
WR282001	46.0	IRR219661231	1	2	0.0000	C2820_1	C282062820001			WILLIAM
R & CAROLINE MILLER							2379120000	LEHM46	7	
WR282105	29.0	IRR219651231	1	2	0.0000	C2821_1	C282162821005			ERICH
& META SEIDER							2379110000	LEHM46	7	
WR282205	106.	IRR219651231	1	2	0.0000	C2822_1	C282262822005			JUANITA
MARTHA ANDERS							2379100000	LEHM46	7	
WR282301	22.0	IRR219571231	1	2	0.0000	C2823_1	C282362823001			J
E TATUM							2379020000	LEHM46	7	
WR282401	90.0	IRR219631231	1	2	0.0000	C2824_1	C282462824001			MAX
DERDEN & CHARLES S THOMAS ET UX							2379000000	LEHM46	7	
WR282504	80.0	IRR219670331	1	2	0.0000	C2825_1	C282562825004			MONTE
CARMICHAEL ET AL							2378860000	LEHM46	7	
WR282601	46.0	IRR219660731	1	2	0.0000	C2826_1	C282662826001			BURK
DENMAN							2378600000	LEHM46	7	
WR282701	6.0	IRR219571231	1	2	0.0000	C2827_1	C282762827001			J
A DENMAN							2378500000	LEHM46	7	
WR282801	24.0	IRR219571231	1	2	0.0000	C2828_1	C282862828001			J
A DENMAN							2378300000	LEHM46	7	
WR283001	87.0	IRR219540831	1	2	0.0000	C2830_1	C283062830001			RICKIE
STEPHENS							2378200000	LEHM46	7	
WR282902	56.0	IRR219600331	1	2	0.0000	C2829_1	C282962829002			MARTIN
L GEYE ET AL							2378170000	LEHM46	7	
WR283102	57.0	IRR219601231	1	2	0.0000	C2831_1	C283162831002			GARY
CROW							2378150000	LEHM46	7	
WR283301	24.0	IRR219660731	1	2	0.0000	C2833_1	C283362833001			CHARLIE
BRANDT SHOCKLEY							2378110000	LEHM46	7	
WR283203	47.0	IRR219661231	1	2	0.0000	C2832_1	C283262832003			ANN
WEAVER ADAIR							2378090000	LEHM46	7	
WR283401	43.0	IRR219611231	1	2	0.0000	C2834_1	C283462834001			WILLIE
EYVONNE MANNING RAY							2378020000	LEHM46	7	
WR283602	87.0	IRR219671231	1	2	0.0000	C2836_1	C283662836002			NELSON
SHAVE							2378000000	LEHM46	7	
WR283801	37.0	IRR219611231	1	2	0.0000	C2838_1	C283862838001			ED
A ROSS ET AL							2377900000	LEHM46	7	
WR283702	136.4	IRR219580531	1	2	0.0000	C2837_1	C283762837002			WADE
N CARAWAY							2377950000	LEHM46	7	

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** The priority of this portion of C2837 is 19580531 at diversion point "B". However, the certificate states that the diversion is junior to C2838. Subordination was not modeled.

WR283702	47.0	IRR219580531	1	2	0.0000	C2837_2	C283762837002		WADE
N CARAWAY							2377950000	LEHM46	7
WR283901	40.0	IRR219611231	1	2	0.0000	C2839_1	C283962839001		ED
A ROSS ET AL							2377800000	LEHM46	7
WR284031	0.0	UNIFO19781106	1	2	0.0000	C2840_1	C284062840001		ED
A ROSS ET AL							2377750000	LEHM46	7
WSRC2840	13.0	0.5228	0.8206	0	0				
** The priority of this right is 19540831, but in the amendment the diversion location was changed and this right was made junior to several intervening rights. The right was moved downstream in the file to portray the diversion location, but the subordination was not modeled.									
WR283002	30.0	IRR219540831	1	2	0.0000	C2830_2	C283062830002		DON
GROMATZKY							2377630000	LEHM46	7
WR283501	294.	IRR219580531	1	2	0.0000	C2835_1	C283562835001		HARTENSE
NORTH							2377500000	LEHM46	7
WR284131	26.7	IRR219650831	1	2	0.0000	C2841_1	C284162841001		WALTER
E & JOYCE SWINDLE							2377250000	LEHM46	7
WSRC2841	71.0	0.5228	0.8206	0	12				
WR284131	4.3	IRR219650831	1	2	0.0000	C2842_1	C284262841001		BILLY
JACK & PATSY TYUS							2377100000	LEHM46	7
WSRC2841	71.0	0.5228	0.8206	0	12				
**WR539031	48.0	IRR219911126	1	2	0.0000	P5390_1	P539015300001		JOE
M RILEY ET UX							2376000000	LEHM46	A 7
**WSRP5390	66.0	0.5228	0.8206	0	0				
WR284331	29.0	IRR219670130	1	2	0.0000	C2843_1	C284362843001		DEBORAH
VINES							2375100000	LEHM46	7
WSRC2843	59.0	0.5228	0.8206	0	0				
WR284331	29.0	IRR219670130	1	2	0.0000	C2844_1	C284462843001		BOBBY
JOHN FOSTER							2375000000	LEHM46	7
WSRC2843	59.0	0.5228	0.8206	0	0				
WR284531	27.5	IRR219680610	1	2	0.0000	C2845_1	C284562845001		BOBBY
JOHN FOSTER							2374100000	LEHM46	7
WSRC2845	55.0	0.5228	0.8206	0	0				
WR284531	27.5	IRR219680610	1	2	0.0000	C2846_1	C284662845001		GUY
G HALL							2374000000	LEHM46	B 7
WSRC2845	55.0	0.5228	0.8206	0	0				
WR284632	10.5	IRR219710614	1	2	0.0000	C2846_2	C284662846002		GUY
G HALL							2374000000	LEHM46	7
WSRC2846	15.0	0.5228	0.8206	0	0				
WR284731	13.0	IRR219661231	1	2	0.0000	C2847_1	C284762847001		G
G HALL							2373900000	LEHM46	7
WSRC2847	2.6	0.5228	0.8206	0	0				
WR284831	31.5	IRR219710405	1	2	0.0000	C2848_1	C284862848001		M
D STEPHEN							2373300000	LEHM46	7
WSRC2848	71.0	0.5228	0.8206	0	0				
WR284831	31.5	IRR219710405	1	2	0.0000	C2849_1	C284962848001		J
& J DAIRY & BYRON JONES ET AL							2373290000	LEHM46	7
WSRC2848	71.0	0.5228	0.8206	0	0				
WR285031	29.0	IRR219661231	1	2	0.0000	C2850_1	C285062850002		J
A HULSEY							2372000000	LEHM46	7
WSRC2850	24.0	0.5228	0.8206	0	0				
WR285001	0.0	IRR219661231	1	2	0.0000	C2850_2	C285062850001		J
A HULSEY							2372000000	LEHM46	7
SO									
WR285132	72.0	IRR219451231	1	2	0.0000	C2851_1	C285162851002		J
W BARBEE							2371000000	LEHM46	7
WSRC2851	164.	0.5228	0.8206	0	0				
WR285132	87.0	IRR219660801	1	2	0.0000	C2851_2	C285162851002		J
W BARBEE							2371000000	LEHM46	7
WSRC2851	164.	0.5228	0.8206	0	0				
WR285203	149.	IRR219641231	1	2	0.0000	C2852_1	C285262852003		DEAN
H BOTTLINGER ET UX							2366300000	LEHM46	7
WR285302	52.0	IRR219571231	1	2	0.0000	C2853_1	C285362853002		GAYLON
D & CLARA JONES							2366000000	LEHM46	7
WR285401	44.0	IRR219631231	1	2	0.0000	C2854_1	C285462854001		ERNEST
L NEWSOM							2355880000	LEHM46	7
WR285502	91.0	IRR219461231	1	2	0.0000	C2855_1	C285562855002		LARRY
WAYNE ADAMS							2355840000	LEHM46	7
WR285602	1.0	IRR219541231	1	2	0.0000	C2856_1	C285662856002		JACK
D GRAHAM							2355800000	LEHM46	7
WR285703	153.	IRR219551231	1	2	0.0000	C2857_1	C285762857003		J
L ROBERSON JR ET AL							2355780000	LEHM46	7
WR285802	18.0	IRR219671231	1	2	0.0000	C2858_1	C285862858002		J
L ROBERSON JR ET AL							2355770000	LEHM46	7
WR285903	98.0	IRR219651231	1	2	0.0000	C2859_1	C285962859003		LARRY
A DUNN ET UX							2355750000	LEHM46	7
WR286131	1.0	IRR219671231	1	2	0.0000	C2861_1	C286162861001		ACY
L WATSON							2355600000	LEHM46	7
WSRC2861	5.0	0.5228	0.8206	0	0				
WR286003	15.0	IRR219361231	1	2	0.0000	C2860_1	C286062860003		EARL&
ORENA KAVANAUGH & MAURINE K WATTS							2355500000	LEHM46	7
WR286203	15.0	IRR219551031	1	2	0.0000	C2862_1	C286262862003		TOM
J THOMPSON							2348700000	LEGT47	7

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ML 55.	49.	55.	53.	27.	0.	0.	0.	26.	55.	53.	55.		
WR286311	43.0	IRR219611231	1	2	0.0000			C2863_1	C286362863101				RIVERSIDE
ACQUISITIONS LLC		LEON RIVER							2348650000	LEGT47	7		
WR286402	185.	IRR219341231	1	2	0.0000			C2864_1	C286462864002				K
A SPARKS ET AL		LEON RIVER							2348251000	LEGT47	7		
WR286505	169.	IRR219341231	1	2	0.0000			C2865_1	C286562865005				RIVERSIDE
ACQUISITIONS LLC		LEON RIVER							2348250000	LEGT47	7		
WR286601	82.0	IRR219391231	1	2	0.0000			C2866_1	C286662866001				RIVERSIDE
ACQUISITIONS LLC		LEON RIVER							2347300000	LEGT47	7		
WR286701	4.0	IRR218891231	1	2	0.0000			C2867_1	C286762867001				GERALDINE
D WARREN ET AL		LEON RIVER							2345750000	LEGT47	7		
WR286803	50.0	IRR219081231	1	2	0.0000			C2868_1	C286862868003				ARVORD
M ABERNETHY		LEON RIVER							2345500000	LEGT47	7		
** Do not model this right. Only allowed to impound water purchased from BRA (Lake Proctor).													
**WR382631	0.0	UNIFO19810511	1	2	0.0000			P3826_1	P382613826301				UPPER
LEON MWD		LEON RIVER							2342100000	LEGT47	7		
**WSRP3826	45.0	0.8109	0.6681	0	0								
WR286901	105.	IRR219621231	1	2	0.0000			C2869_1	C286962869001				BETTY
JEAN HARRIS TOOLEY		LEON RIVER							2342050000	LEGT47	7		
WR287031	614.	MUN219230122	1	2	0.0000			C2870_1	C287062870001				CITY
OF HAMILTON		TWO MILE CRK							2340000000	LEGT47	7		
WSRC2870	614.	0.5228	0.8206	0	0								
WR287133	72.0	IRR219441231	1	2	0.0000			C2871_1	C287162871003				"SETH
THOMAS MOORE, SR., ET AL"		TWO MILE CRK							2339501000	LEGT47	7		
WSRC2871	15.0	0.5228	0.8206	0	0								
WR287133	2.5	IND219441231	1	2	0.0000			C2872_1	C287262871003				SETH
MOORE		TWO MILE CRK							2339500000	LEGT47	7		
WSRC2871	15.0	0.5228	0.8206	0	0								
WR287311	20.0	IRR219641231	1	2	0.0000			C2873_1	C287362873101				R
F MANNING		LEON RIVER							2336000000	LEGT47	7		
WR287531	54.0	IRR219581231	1	2	0.0000			C2875_1	C287562875002				LEONARD
T WARLICK ET UX		ALEXANDER CRK							2335200000	LEGT47	7		
WSRC2875	75.0	0.5228	0.8206	0	0								
WR287531	85.0	IRR219541231	1	2	0.0000			C2874_1	C287462875001				HARRIET
MEAD HAVENS		LEON RIVER							2335100000	LEGT47	7		
WSRC2875	75.0	0.5228	0.8206	0	0								
WR287604	15.0	IRR219631231	1	2	0.0000			C2876_1	C287662876004				CHARLES
CRAIG JR		LEON RIVER							2334800000	LEGT47	7		
WR287801	37.0	IRR219571231	1	2	0.0000			C2878_1	C287862878001				O
C & WILLIE NADINE MARSHALL		FARNASH CRK							2334600000	LEGT47	7		
WR287802	0.0	IRR219571231	1	2	0.0000			C2878_2	C287862878002				O
C & WILLIE NADINE MARSHALL		FARNASH CRK							2334600000	LEGT47	7		
SO	37.0	BACKUP											
WR287931	46.0	IRR219601231	1	2	0.0000			C2879_1	C287962879004				PAUL
F MCCLINTON		LEON RIVER							2334300000	LEGT47	7		
WSRC2879	12.0	0.5228	0.8206	0	0								
WR287901	93.0	IRR219601231	1	2	0.0000			C2879_2	C287962879001				PAUL
F MCCLINTON		LEON RIVER							2334300000	LEGT47	7		
WR287711	150.	IRR219541231	1	2	0.0000			C2877_1	C287762877101				THOMAS
E MURDOCK ESTATE		LEON RIVER							2333000000	LEGT47	7		
WR288001	19.0	IRR219451231	1	2	0.0000			C2880_1	C288062880001				BILLY
R FISHER ET UX		LEON RIVER							2332500000	LEGT47	7		
**IF288001	12308.	UNIFO19900817					1						IFC2880_1
A													
**WR288001	116.	IRR219900817	1	2	0.0000			C2880_2	C288062880001				BILLY
R FISHER ET UX		LEON RIVER							2332500000	LEGT47	A 7		
WR288101	124.	IRR219631231	1	2	0.0000			C2881_1	C288162881001				MOODY
E COURTNEY		LEON RIVER							2332200000	LEGT47	7		
WR288301	5.0	IRR219601231	1	2	0.0000			C2883_1	C288362883001				DAVID
C COURTNEY		LEON RIVER							2331000000	LEGT47	7		
WR288201	196.	IRR219501231	1	2	0.0000			C2882_1	C288262882001				JOHN
C COURTNEY ET UX		LEON RIVER							2330900000	LEGT47	7		
WR288411	200.	IRR219541231	1	2	0.0000			C2884_1	C288462884101				JOHN
C COURTNEY ET UX		LEON RIVER							2330750000	LEGT47	7		
WR288501	71.0	IRR219661231	1	2	0.0000			C2885_1	C288562885001				MOODY
E COURTNEY		LEON RIVER							2330500000	LEGT47	7		
WR288701	30.0	IRR219640731	1	2	0.0000			C2887_1	C288762887001				JOE
TRUETT LIGHTSEY ET AL		LEON RIVER							2318500000	LEGT47	7		
WR288801	2.0	IRR219291231	1	2	0.0000			C2888_1	C288862888001				GEORGE
T REYNOLDS III ET UX		LEON RIVER							2318000000	LEGT47	7		
WR288601	10.0	IRR219661231	1	2	0.0000			C2886_1	C288662886001				W
J ALEXANDER		LEON RIVER							2317000000	LEGT47	7		
WR289001	8.0	IRR219631231	1	2	0.0000			C2890_1	C289062890001				DON
THOMAS ROGERS		LEON RIVER							2315400000	LEGT47	7		
WR289101	57.0	IRR219640831	1	2	0.0000			C2891_1	C289162891001				W
F MORELAND BY PASS TRUST		LEON RIVER							2311300000	LEGT47	7		
WR289201	32.0	IRR219571231	1	2	0.0000			C2892_1	C289262892001				W
N & MARY JANE WHISENHUNT		LEON RIVER							2310500000	LEGT47	7		
WR289301	10.0	IRR219180801	1	2	0.0000			C2893_1	C289362893001				SEABORN
L ASHBY		LEON RIVER							2310000000	LEGT47	7		
WR289401	2.0	IRR219651231	1	2	0.0000			C2894_1	C289462894001				SAN
PABLO CORPORATION		LEON RIVER							2309700000	LEGT47	7		
WR289501	29.0	IRR219591231	1	2	0.0000			C2895_1	C289562895001				WILLIAM
TRAVIS LAXSON		PLUM CRK							2305000000	LEGT47	7		

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WR289503	0.0	IRR219591231	1	2	0.0000	C2895_2	C289562895003		WILLIAM
TRAVIS LAXSON							2305000000	LEGT47	7
SO	29.0								
WR289601	124.	IRR219651231	1	2	0.0000	C2896_1	C289662896001		MARGARET
CALLAWAY							2302000000	LEGT47	7
WR289701	8.0	IRR219671231	1	2	0.0000	C2897_1	C289762897001		R
H MELTON							2300800000	LEGT47	7
WR289801	23.0	IRR219251231	1	2	0.0000	C2898_1	C289862898001		DONALD
J MACKIE ET UX& GLENNIS G EGGER							2275000000	LEGT47	7
** Certificate can only divert water that is discharged from groundwater sources. No wastewater									
** plant discharges greater than .9 MGD are located in the vicinity upstream of the diversion									
** locations of this right. Model this 70 acft diversion with a zero acft diversion.									
WR289901	0.0	IRR219710125	1	2	0.0000	C2899_1	C289962899001		TEXAS
DEPT OF CRIMINAL JUSTICE							2257650000	LEGT47	7
WR290001	14.0	IRR219641231	1	2	0.0000	C2900_1	C290062900001		CHARLES
C POWELL							2257600000	LEGT47	7
WR290101	100.	IRR219651231	1	2	0.0000	C2901_1	C290162901001		JACK
& MINNIE MORSE							2256000000	LEGT47	7
WR290201	18.0	IRR219571231	1	2	0.0000	C2902_1	C290262902001		QUENTIN
G MCCORKLE ET UX							2230500000	LEBE49	7
WR290311	530.	IRR219131108	1	2	0.0000	C2903_1	C290362903101		GLENROOK
FARMS							2230000000	LEBE49	7
WR290401	40.0	IRR219391231	1	2	0.0000	C2904_1	C290462904001		STERLIN
J BARNARD							2222200000	LEBE49	7
WR290501	14.0	IRR219671231	1	2	0.0000	C2905_1	C290562905001		DAN
G DAVIDSON ESTATE							2219000000	LEBE49	7
WR290601	36.0	IRR219250806	1	2	0.0000	C2906_1	C290662906001		THELMA
R CARTER							2200000000	LEBE49	7
WR290801	22.0	IRR219671231	1	2	0.0000	C2908_1	C290862908001		DAN
G DAVIDSON							2198500000	LEBE49	7
WR290701	237.	IRR219581231	1	2	0.0000	C2907_1	C290762907001		LEO
LUEDTKE ET UX							2195800000	LEBE49	7
WR290701	150.	IRR219581231	1	2	0.0000	C2907_2	C290762907001		DENNIS
CHARLES LUEDTKE ET AL							2195800000	LEBE49	7
WR290902	26.0	IRR219650722	1	2	0.0000	C2909_1	C290962909002		RUDOLF
DROSCH							2195700000	LEBE49	7
WR291001	77.0	IRR219631231	1	2	0.0000	C2910_1	C291062910001		CARL
DROSCH							2195500000	LEBE49	7
WR291101	74.0	IRR219630430	1	2	0.0000	C2911_1	C291162911001		GLENN
DIPPEL ET AL& JOHN SHAUD ET UX							2195000000	LEBE49	7
WR281301	153.	IRR219650722	1	2	0.0000	C2813_1	C281362813001		RUDOLPH
CARL DROSCH JR							2194000000	LEBE49	7
WR291401	18.0	IRR219281231	1	2	0.0000	C2914_1	C291462914001		PAT
& MABEL RUTH GRIMES							2191300000	LEBE49	7
WR291511	38.0	IRR219590331	1	2	0.0000	C2915_1	C291562915101		ROBERT
L MOORE							2186000000	LEBE49	7
WR291611	53.0	IRR219590531	1	2	0.0000	C2916_1	C291662916101		LEE
ROY SCHWARTZ							2179900000	COPI48	7
WR291731	25.0	IRR219630331	1	2	0.0000	C2917_1	C291762917001		WILFORD
& RUTH WITZSCHE							2179880000	COPI48	7
WSRC2917	8.0	0.5228	0.8206	0	0				
WR291831	20.0	IRR219490430	1	2	0.0000	C2918_1	C291862918101		PAMELA
ANN MARWITZ POPE ET AL							2179870000	COPI48	7
WSRC2918	2.0	0.5228	0.8206	0	0				
WR291931	27.0	IRR219580430	1	2	0.0000	C2919_1	C291962919002		FRITZ
HOPPER							2179850000	COPI48	7
WSRC2919	7.5	0.5228	0.8206	0	0				
WR292031	12.0	IRR219650531	1	2	0.0000	C2920_1	C292062920002		DOUG
HOPPER							2179800000	COPI48	7
WSRC2920	6.0	0.5228	0.8206	0	0				
WR292103	28.0	IRR219670331	1	2	0.0000	C2921_1	C292162921003		W
J & ANITA FAYE HOPPER							2179750000	COPI48	7
WR292202	9.0	IRR219660630	1	2	0.0000	C2922_1	C292262922002		LEE
R HOPPER							2179700000	COPI48	7
WR292301	12.5	IRR219131231	1	2	0.0000	C2923_1	C292362923001		HENRY
MARWITZ ET AL							2179600000	COPI48	7
WR292301	32.5	IRR219131231	1	2	0.0000	C2923_2	C292362923001		BILLY
H ROBERTS ET UX							2179600000	COPI48	7
WR292431	59.0	IRR219660531	1	2	0.0000	C2924_1	C292462924002		JERRY
W & BONNIE JEAN HOPPER							2179500000	COPI48	7
WSRC2924	3.0	0.5228	0.8206	0	0				
WR292611	13.0	IRR219380531	1	2	0.0000	C2926_1	C292662926101		WILLIAM
JACKSON WISDOM							2179430000	COPI48	7
WR292711	9.0	IRR219500630	1	2	0.0000	C2927_1	C292762927101		ELVIN
L GENTRY ET UX							2179270000	COPI48	7
WR292903	13.0	IRR219500731	1	2	0.0000	C2928_1	C292862928001		GARY
L LUNDBERG ET UX							2179150000	COPI48	7
WR292903	4.0	IRR219700331	1	2	0.0000	C2929_1	C292962929003		REGINALD
& NONA FA WIEDEBUSCH							2179100000	COPI48	7
WR293002	31.0	IRR219620930	1	2	0.0000	C2930_1	C293062930002		CYRUS
B CATHEY ESTATE							2178920000	COPI48	7
WR293103	52.0	IRR219651231	1	2	0.0000	C2931_1	C293162931003		RONNAL
S BEASLEY ET UX							2178900000	COPI48	7

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PX      1
WR516031 200.  MUN219631216  1  2  0.0000      C5160_15  C516065160001      BRAZOS
RIVER AUTHORITY      LEON RIVER      2120000000  LEBE49      7
WSBRABEL 408871.      0      3      -1
PX      1
WR516031 2365. IND219631216  1  2  0.0000      C5160_16  C516065160001      BRAZOS
RIVER AUTHORITY      LEON RIVER      2120000000  LEBE49      7
WSBRABEL 408871.      0      3      -1
PX      1
WR516031 1070.  IRR219631216  1  2  0.0000      C5160_17  C516065160001      BRAZOS
RIVER AUTHORITY      LEON RIVER      2120000000  LEBE49      7
WSBRABEL 408871.      0      3      -1
PX      1
WR516031  0.0  MIN219631216  1  2  0.0000      C5160_18  C516065160001      BRAZOS
RIVER AUTHORITY      LEON RIVER      2120000000  LEBE49      7
WSBRABEL 408871.      0      3      -1
PX      1
WR516031  0.0  UNIFO19631216  1  2  0.0000      C5160_19  C516065160001      BRAZOS
RIVER AUTHORITY      LEON RIVER      2120000000  LEBE49      7
WSBRABEL 408871.      0      3      -1
PX      1
**
WR516031      99999999  1  2  0.0000      bel_evap_1  C293662936001
WSBELTON 12000.      0      3
PX      1
WR516031      99999999  1  2  0.0000      bel_evap_1  C293662936001
WSBELTON 12000.      0      3
PX      2
WR516031      99999999  1  2  0.0000      bel_evap_2  C516065160001
WSBRABEL 408871.      0      3      -1
PX      1
WR516031      99999999  1  2  0.0000      bel_evap_2  C516065160001
WSBRABEL 408871.      0      3      -1
PX      2
** SysOp Change:
** Calculate the total depletion for water right 5160.
WRSR5160      19631216      Compute Dep 5160  SYSTEM
TO      6      1.0      ADD      C5160_1      CONT
TO      6      1.0      ADD      C5160_2      CONT
TO      6      1.0      ADD      C5160_3      CONT
TO      6      1.0      ADD      C5160_4      CONT
TO      6      1.0      ADD      C5160_5      CONT
TO      6      1.0      ADD      C5160_6      CONT
TO      6      1.0      ADD      C5160_7      CONT
TO      6      1.0      ADD      C5160_8      CONT
TO      6      1.0      ADD      C5160_9      CONT
TO      6      1.0      ADD      C5160_10     CONT
TO      6      1.0      ADD      C5160_11     CONT
TO      6      1.0      ADD      C5160_12     CONT
TO      6      1.0      ADD      C5160_13     CONT
TO      6      1.0      ADD      C5160_14     CONT
TO      6      1.0      ADD      C5160_15     CONT
TO      6      1.0      ADD      C5160_16     CONT
TO      6      1.0      ADD      C5160_17     CONT
TO      6      1.0      ADD      C5160_18     CONT
TO      6      1.0      ADD      C5160_19
PX      4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
WRSR5160 99999999      19631216      Depletion 5160  SYSTEM
PX      5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
WR516031      19631216      1.0000  5160DP      Lumped Dep 5160  SYSTEM 1simdep
TO      11      1.0      ADD      Depletion 5160
PX      2
** Special code to output storage from first simulation
WRBE_dum      99999999      1simBEstor  look
TO      4      SET      BELTON
PX      4
WRBE_dum 99999999  XMONTH99999999      2simBEstor  look
PX      5
WRBE_dum      99999999      1simBRABEstor look
TO      4      SET      BRABEL
PX      4
WRBE_dum 99999999  XMONTH99999999      2simBRABEstor look
PX      5
** - End modeling Lake Belton.
**
** end FNI change
    
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WR293701	59.0	IRR219630731	1	2	0.0000			C2937_1	C293762937001			VERNON
& BETTY ANN BARGE						LEON RIVER			2117700000	LEBE49	7	
** HALE CLAUSE												
IFLEBE49	1810.	UNIFO19830207	1	1			IFP4024_1					
WRP40242	300.	IRR219830207	1	2	0.0000			P4024_1	P402414024002			LVGC
INC						LEON RIVER			2114000000	LEBE49	7	
WSRP4024	15.0	0.5228	0.8206		0	0						
**												
** City of Temple												
**												
** Added industrial use												
** FNI change - combined into one to simplify												
**												
**WR293831	9957.	MUN219151030	1	4	RBLSH1	113181		C2938_1	C293862938001			CITY
OF TEMPLE						LEON RIVER			2110000000	LRLR53	7	
WR293831	15804.	MUN219151030	1	2	0.0000			C2938_1	C293862938001			CITY
OF TEMPLE						LEON RIVER			2110000000	LRLR53	7	
**WR293831	12500.	MUN219151030	1	2	0.0000			C2938_1	C293862938001			CITY
OF TEMPLE						LEON RIVER			2110000000	LRLR53	7	
WSRC2938	500.	0.5228	0.8206		0	0						
**WR293831	5847.	MUN219151030	1	4	RBLSH1	104702		C2938_2	C293862938001			CITY
OF TEMPLE						LEON RIVER			2110000000	LRLR53	7	
**WSRC2938	500.	0.5228	0.8206		0	0						
**WR293831	0.	IND219151030	1	2	0.0000			C2938_3	C293862938001			CITY
OF TEMPLE						LEON RIVER			2110000000	LRLR53	7	
**WSRC2938	500.	0.5228	0.8206		0	0						
** 20,000 acft is contractual amount with BRA. Do not model.												
**WR293831	20000.	MUN219570111	3	2	0.0000			C2938_4	C293862938001			CITY
OF TEMPLE						LEON RIVER			2110000000	LRLR53	7	
**WSBELTON	15000.					0						
**OR						-1						
** FNI change - City of Temple additional water. BRA backup is below												
** enter the demand for the year and it will subtract out diversions from previous rights												
** note type 3 right, so no depletions												
** comment out firm yield scenario												
**WR293831	30453.	MUN219151030	3	2	0.0000			C2938_belton	C293862938001			
**TO	11	1.0	SUB					C2938_1				
** end FNI change												
**												
** Must return flow upstream of Dam owned by City of Temple. Water returned is available												
** for diversion, so place return flow upstream or at diversion location.												
** BRA purchased this right from Brazos Electric in 2005. To estimate increased yield in Lake Belton zero this right so water will not be passed from Belton downstream.												
** FNI change - comment out right												
**WR293901	38800.	IND219490207	1	1	1.0000	293951		C2939_1	C293962939001			BRAZOS
ELECTRIC COOPERATIVE						LEON RIVER			2080000000	LRLR53	7	
**												
WR294001	63.0	IRR219650630	1	2	0.0000			C2940_1	C294062940001			"EVELYN
FRANCES BYLER, ET AL"						LEON RIVER			2070500000	LRLR53	7	
WR294101	36.0	IRR219661231	1	2	0.0000			C2941_1	C294162941001			SHALLOW
FORD CONSTRUCTION CO						LEON RIVER			2070200000	LRLR53	7	
WR533032	187.	IRR219901119	1	2	0.0000			P5330_1	P533015330003			CITY
OF TEMPLE						BIRD CRK			2065060000	LRLR53	7	
WSRP5330	211.	0.5228	0.8206		0	0						
WR533032	0.0	UNIFO19901119	1	2	0.0000			P5330_2	P533015330003			CITY
OF TEMPLE						BIRD CRK			2065060000	LRLR53	7	
WSRP5330	211.	0.5228	0.8206		0	0						
** Authorized to impound and divert an unspecified quantity of treated effluent from Bell County WCID 1,												
** in addition to 20 acft of state water. Do not include any supply from Bell County WCID 1 in the modeling of this right.												
WR294331	20.0	IRR219780731	1	2	0.0000			C2943_1	C294362943001			CITY
OF KILLEEN & Killeen Willows, Inc. Unnamed trib of South Nolan Creek									2049100000	LRLR53	7	
WSRC2943	36.0	0.5228	0.8206		0	0						
WR294333	0.0	UNIFO19901127	1	2	0.0000			C2943_2	C294362943001			CITY
OF KILLEEN						Unnamed trib of South Nolan Creek			2049100000	LRLR53	7	
WSC29432	3.5	0.5228	0.8206		0	0						
**IF294302		3766.	IFD07219901127				1					IFC2943_1
A												
**WR294333	200.	IRR219901127	1	2	0.0000			C2943_3	C294362943001			CITY
OF KILLEEN						South Nolan Creek			2049100000	LRLR53	A 7	
**WSC29431	6.5	0.5228	0.8206		0	0						
**WR294333	0.	IRR219901127	1	2	0.0000			C2943_4	C294362943001			CITY
OF KILLEEN						South Nolan Creek			2049100000	LRLR53	A 7	
**WSC29431	6.5	0.5228	0.8206		0	0						
**SO			294302	BACKUP								
** Subject to the availability of sewage effluent in South Nolan Creek.												
**IF508801		3664.	IFD07319860819				1					IFP5088_1
A												
**WR508801	37.0	IRR219860819	1	2	0.0000			P5088_1	P508815088001			TC
& E REALTY INC						S NOLAN CRK			2049010000	LRLR53	A 7	
**SO			101551									
** Subject to the availability of sewage effluent in South Nolan Creek.												
**IF508911		3664.	IFD07319860819				1					IFP5089_1
A												

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WR296631	31.0	IRR319630630	1	2	0.0000				C2966_1	C296662966001			MARVIN
E & MARY BLANCHE WHITE						LUCY CRK				2037600000 LAKE50	8		
WSRC2966	4.0	0.5228 0.8206			0								
WR296731	5.0	IRR319631231	1	2	0.0000				C2967_1	C296762967001			H
Y JR & LOIS POLLARD PRICE						LAMPASAS RIVER				2035800000 LAKE50	8		
WSRC2967	40.0	0.5228 0.8206			0								
WR296831	0.0	UNIF019740107	1	2	0.0000				C2968_1	C296862968301			"MARK
J NASH, JR"						DONALDSON CRK				2035600000 LAKE50	8		
WSRC2968	200.0	0.5228 0.8206			0								
WR296902	8.0	IRR319461231	1	2	0.0000				C2969_1	C296962969002			BURRELL
ROITCH						SULPHUR CRK				2035500000 LAKE50	8		
WR297001	2.6	IRR319461231	1	2	0.0000				C2970_1	C297062970001			FRED
WILLIS ET UX						SULPHUR CRK				2035400000 LAKE50	8		
WR297001	51.2	IRR319461231	1	2	0.0000				C2970_2	C297062970001			CHARLES
E BLANTON						SULPHUR CRK				2035400000 LAKE50	8		
WR297001	6.2	IRR319461231	1	2	0.0000				C2970_3	C297062970001			CITY
OF LAMPASAS						SULPHUR CRK				2035400000 LAKE50	8		
WR297102	3760.0	MUN319140623	1	4	RBLSH1 102051				C2971_1	C297162971002			CITY
OF LAMPASAS						SULPHUR CRK				2026000000 LAKE50	8		
WR297231	0.0	IRR319561231	1	2	0.0000				C2972_1	C297262972001			CITY
OF LAMPASAS						SULPHUR CRK				2023000000 LAKE50	8		
WSRC2972	20.0	0.5228 0.8206			0								
WR297231	228.0	IRR319631231	1	2	0.0000				C2972_2	C297262972001			CITY
OF LAMPASAS						SULPHUR CRK				2023000000 LAKE50	8		
WSRC2972	20.0	0.5228 0.8206			0								
WR297231	0.0	UNIF019631231	1	2	0.0000				C2972_3	C297262972001			CITY
OF LAMPASAS						SULPHUR CRK				2023000000 LAKE50	8		
WSRC2972	42.0	0.5228 0.8206			0								
WR297331	6.0	IRR319640331	1	2	0.0000				C2973_1	C297362973001			MELVIN
POTTS						BURLESON CRK				1970400000 LAKE50	8		
WSRC2973	3.0	0.5228 0.8206			0								
WR297401	144.0	IRR319130511	1	2	0.0000				C2974_1	C297462974001			E
C O'NEAL JR						SULPHUR CRK				1960000000 LAKE50	8		
WR297502	46.0	IRR319140613	1	2	0.0000				C2975_1	C297562975002			RAY
A & ELIZABETH K JONES						SULPHUR CRK				1880000000 LAKE50	8		
WR297601	48.0	IND319140626	1	1	0.9792 297601				C2976_1	C297662976001			RAY
A JONES						SULPHUR CRK				1870000000 LAKE50	8		
WR297711	42.0	IRR319140507	1	2	0.0000				C2977_1	C297762977101			CURTIS
KIDD ET UX						SULPHUR CRK				1840000000 LAKE50	8		
WR297831	54.0	IRR319611231	1	2	0.0000				C2978_1	C297862978001			"GUNDERLAND
PARK RANCH, INC"						SULPHUR CRK				1819500000 LAKE50	8		
WSRC2978	15.0	0.5228 0.8206			0								
WR297941	95.0	IRR319151231	1	2	0.0000				C2979_1	C297962979101			JOHN
T HIGGINS						SULPHUR CRK				1791000000 LAKE50	8		
WSRC2979	21.0	0.2710 0.8958			0								
SO	464.0	95. 297911											
WR298002	1.0	IRR319260129	1	2	0.0000				C2980_1	C298062980002			ROBERT
L GUYLER						SULPHUR CRK				1790500000 LAKE50	8		
WR298101	6.3	IRR319630531	1	2	0.0000				C2981_1	C298162981001			DOROTHY
N CAPPS						SULPHUR CRK				1759300000 LAKE50	8		
WR298101	45.4	IRR319630531	1	2	0.0000				C2981_2	C298162981001			JOE
D BOYD						SULPHUR CRK				1759300000 LAKE50	8		
WR298101	6.3	IRR319630531	1	2	0.0000				C2981_3	C298162981001			WYLIE
R CAPPS						SULPHUR CRK				1759300000 LAKE50	8		
WR298201	6.0	IRR319630531	1	2	0.0000				C2982_1	C298262982001			A
J DEWAYNE KENDRICK						SULPHUR CRK				1759200000 LAKE50	8		
WR298301	7.0	IRR319630531	1	2	0.0000				C2983_1	C298362983001			RALPH
D & ROBBIE BURROW						SULPHUR CRK				1759000000 LAKE50	8		
WR298401	18.0	IRR319630531	1	2	0.0000				C2984_1	C298462984001			DOYLE
& BARBARA J WALKER						SULPHUR CRK				1754000000 LAKE50	8		
WR298501	18.0	IRR319630531	1	2	0.0000				C2985_1	C298562985001			R
B & FRANCES M PORTER						SULPHUR CRK				1753000000 LAKE50	8		
WR298602	46.8	IRR319190206	1	2	0.0000				C2986_1	C298662986002			JAMES
BUFORD BRIGGS						SULPHUR CRK				1750000000 LAKE50	8		
WR298701	2.0	IRR319140624	1	2	0.0000				C2987_1	C298762987001			ROBERT
C HALLMARK ET AL						SULPHUR CRK				1690000000 LAKE50	8		
WR298802	3.0	IRR319140623	1	2	0.0000				C2988_1	C298862988002			JOE
T & CAROLINE PARKS						LAMPASAS RIVER				1660000000 LAYO51	8		
**IFLAKE50	13381.0	IFD08219970701									1		IFP5593_1
A													
**WR559311	400.0	IRR319970701	1	2	0.0000				P5593_1	P559315593101			JERRY
W GLAZE ET UX						LAMPASAS RIVER				1650000000 LAYO51	A 8		
WR298901	9.3	IRR319231231	1	2	0.0000				C2989_1	C298962989001			CAROLYN
SUE CAROTHERS						LAMPASAS RIVER				1645300000 LAYO51	8		
WR298901	18.7	IRR319231231	1	2	0.0000				C2989_2	C298962989001			J
BAR E RANCHES LP						LAMPASAS RIVER				1645300000 LAYO51	8		
WR299011	63.0	IRR319660430	1	2	0.0000				C2990_1	C299062990101			HERBERT
A & BARBARA MAAS						LAMPASAS RIVER				1645100000 LAYO51	8		
WR299111	145.0	IRR319651231	1	2	0.0000				C2991_1	C299162991101			W
G CHRISTIANSON & SONS						ROCKY CRK				1644255000 LAYO51	8		
**App. No. 12-2991A													
IF299111	908.0	2991IF20020429											
WR299121	145.0	IRR320020429	1	2	0.0000				C2991_2	C299162991101			W
G CHRISTIANSON & SONS						ROCKY CRK				1644255000 LAYO51	8		

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TO	6	-1	ADD		C2991_1				
WS R2991	4.02	0.4897	0.7633						
WR299231	68.0	IRR319540314	1 2 0.0000		C2992_1	C299262992001			O
O & MARY FLORENCE SMITH			ROCKY CRK			1644253000 LAYO51	8		
WSRC2992	8.0	0.5228	0.8206	0					
WR299411	6.0	IRR319251231	1 2 0.0000		C2994_1	C299462994101			THOMAS
M & BETTY L R SPENCER			ROCKY CRK			1644251000 LAYO51	8		
WR299332	44.0	IRR319251231	1 2 0.0000		C2993_1	C299362993002			HANSFORD
B SMITH ET AL			ROCKY CRK			1644250000 LAYO51	8		
WSRC2993	25.0	0.5228	0.8206	0					
WR299501	120.	IRR319660307	1 2 0.0000		C2995_1	C299562995001			"MORSE
RANCH, A PARTNERSHIP"			LAMPASAS RIVER			1644000000 LAYO51	8		
** Taylor application 12-2996, 10/16/03 - jd									
** 56 af are now diverted @ 299602 (u/s) and include a streamflow restriction for use									
**WR299601	156.	IRR319660401	1 2 0.0000		C2996_1	C299662996001			DUDLEY
BLACK			LAMPASAS RIVER			1641700000 LAYO51	8		
WR559411	100.	IRR319660401	1 2 0.0000		C2996_1	C299662996001			DUDLEY
BLACK			LAMPASAS RIVER			1641700000 LAYO51	8		
**									
IFLAKE50	16020	TAYLIF19660401	1		IF2996_1				
WR299602	56	TAYLOR19660401	1		C2996_2	C299662996002			
IFLAKE50	0	TAYLIF19660401	1		IF2996_2				
IFLAKE50	16020	TAYLIF20030923	1		IF2996_3				
**									
**IFLAKE50	13381.	IFD08219970701	1						IFP5594_1
A									
**WR559411	130.	IRR319970701	1 2 0.0000		P5594_1	P559415594101			BRADLEY
B WARE			LAMPASAS RIVER			1641680000 LAYO51	A 8		
WR299711	64.0	IRR319630930	1 2 0.0000		C2997_1	C299762997101			WINTHROP
ALDRICH ET UX			LAMPASAS RIVER			1641620000 LAYO51	8		
WR299901	3.0	IRR319470531	1 2 0.0000		C2999_1	C299962999001			LAVALLA
R BLUM			LAMPASAS RIVER			1641530000 LAYO51	8		
WR299802	157.	IRR319251231	1 2 0.0000		C2998_1	C299862998002			GRA'DELLE
DUNCAN			LAMPASAS RIVER			1641525000 LAYO51	8		
WR300001	105.	IRR319570430	1 2 0.0000		C3000_1	C300063000001			JAMES
L SHEPHERD			LAMPASAS RIVER			1641000000 LAYO51	8		
WR300101	12.0	IRR319671231	1 2 0.0000		C3001_1	C300163001001			EDD
MELTON			LAMPASAS RIVER			1640010000 LAYO51	8		
WR300201	150.	IRR319611231	1 2 0.0000		C3002_1	C300263002001			GENE
& NELDA FAY RAY			LAMPASAS RIVER			1640000000 LAYO51	8		
WR300301	32.0	IRR319670630	1 2 0.0000		C3003_1	C300363003001			BENNIE
M GIBBS			LAMPASAS RIVER			1639000000 LABE52	8		
**									
** Stillhouse Hollow									
**									
** Right is authorized for municipal, industrial, mining, and irrigation, but since the uses were not									
** broken out, all diversions are modeled as municipal.									
**									
** FNI change - add System Operation									
WR516131	6973.	MUN319631216	1 4 RBLSH1 102051		C5161_1	C516165161001			BRAZOS
RIVER AUTHORITY			LAMPASAS RIVER			1630000000 LABE52	8		
WSSTLHSE 225716.			0						
PX	1								
WR516131	2092.	MUN319631216	1 2 0.0000		C5161_2	C516165161001			BRAZOS
RIVER AUTHORITY			LAMPASAS RIVER			1630000000 LABE52	8		
WSSTLHSE 225716.			0						
PX	1								
WR516131	4880.	MUN319631216	1 2 0.0000		C5161_3	C516165161001			BRAZOS
RIVER AUTHORITY			LAMPASAS RIVER			1630000000 LABE52	8		
WSSTLHSE 225716.			0						
PX	1								
WR516131	53823.	MUN319631216	1 2 0.0000		C5161_4	C516165161001			BRAZOS
RIVER AUTHORITY			LAMPASAS RIVER			1630000000 LABE52	8		
WSSTLHSE 225716.			0						
PX	1								
WR516131	0.	IND319631216	1 2 0.0000		C5161_5	C516165161001			BRAZOS
RIVER AUTHORITY			LAMPASAS RIVER			1630000000 LABE52	8		
WSSTLHSE 225716.			0						
PX	1								
WR516131	0.	MIN319631216	1 2 0.0000		C5161_6	C516165161001			BRAZOS
RIVER AUTHORITY			LAMPASAS RIVER			1630000000 LABE52	8		
WSSTLHSE 225716.			0						
PX	1								
WR516131	0.	IRR319631216	1 2 0.0000		C5161_7	C516165161001			BRAZOS
RIVER AUTHORITY			LAMPASAS RIVER			1630000000 LABE52	8		
WSSTLHSE 225716.			0						
PX	1								
** SysOp Change:									
** Calculate the total depletion for water right 5161.									
WRSR5161		19631216			Compute Dep 5161	SYSTEM			
TO	6	1.0	ADD		C5161_1	CONT			
TO	6	1.0	ADD		C5161_2	CONT			
TO	6	1.0	ADD		C5161_3	CONT			
TO	6	1.0	ADD		C5161_4	CONT			

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TO      6      1.0      ADD                                C5161_5      CONT
TO      6      1.0      ADD                                C5161_6      CONT
TO      6      1.0      ADD                                C5161_7
PX      4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
WRSR5161 9999999          19631216          Depletion 5161  SYSTEM
PX      5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
WR516131          19631216          1.0000  5161DP          Lumped Dep 5161  SYSTEM 1simdep
TO      11      1.0      ADD                                Depletion 5161
PX      2
** Special code to output storage from first simulation
WRSH_dum          19631216          1simSHstor      look
TO      4          SET                                STLHSE
PX      4
WRSH_dum 9999999  XMONTH19631216          2simSHstor      look
PX      5
** - End modeling Lake Stillhouse Hollow
** end FNI change
** FNI change - Hale clause - 1 in cc 34
IFLABE52 4344.  IFD08319840508 1 1          IFP4130_1
WR4130P1 0.0  UNIFO19840508 1 2 0.0000          P4130_1  P413014130001          UNITED
STATES ARMY CORP ENG          OLD CHANNEL LAMPASAS RIVER          1629700000  CFHA14          8
WSRP4130 5.0  0.5228  0.8206          0 0
WR4130P1 0  UNIFO19840508          P4130_2  P413014130002
WSRP4130 5  0.5228  0.8206
SO          5  516131  BACKUP
WR300401 50.0  IRR319670802 1 2 0.0000          C3004_1  C300463004001          ESTATE
OF DR JAMIE W BARTON          LAMPASAS RIVER          1629500000  LABE52          8
WR300501 5.0  IRR319650630 1 2 0.0000          C3005_1  C300563005001          VAIL
E & BETTY LOGSDON          LAMPASAS RIVER          1629100000  LABE52          8
WR300611 48.0  IRR319670430 1 2 0.0000          C3006_1  C300663006101          KARL
B WAGNER ESTATE          LAMPASAS RIVER          1629000000  LABE52          8
WR300801 61.0  IRR319500630 1 2 0.0000          C3008_1  C300863008001          ELEANOR
B TUTTLE          LAMPASAS RIVER          1628200000  LRLR53          8
WR300705 48.0  IRR319471231 1 2 0.0000          C3007_1  C300763007005          RIVER
FARM LTD          LAMPASAS RIVER          1628100000  LRLR53          8
** FNI change - Hale clause - 1 in cc 34
IFLABE52 4344.  IFD08319820920 1 1          IFC3007_1
WR300705 192.  IRR319820920 1 2 0.0000          C3007_2  C300763007005          RIVER
FARM LTD          LAMPASAS RIVER          1628100000  LRLR53          8
WR300901 81.0  IRR319621231 1 2 0.0000          C3009_1  C300963009001          JOSEPH
LEWIS ET UX          LAMPASAS RIVER          1628000000  LRLR53          8
** HALE CLAUSE
IFLABE52 4344.  IFD08319860718 1 1          IFP5076_1
WR507601 25.0  IRR319860718 1 2 0.0000          P5076_1  P507615076001          HAYNES
CORPORATION          LAMPASAS RIVER          1627790000  LRLR53          8
WR301001 10.0  IRR319550630 1 2 0.0000          C3010_1  C301063010001          CLIFFORD
D JONES          LAMPASAS RIVER          1627500000  LRLR53          8
** HALE CLAUSE
IFLABE52 4344.  IFD08319820920 1 1          IFP4000_1
WRP40001 40.0  IRR319820920 1 2 0.0000          P4000_1  P400014000001          THOMAS
E LOVELACE ET AL          LAMPASAS RIVER          1626960000  BRDE29          8
** HALE CLAUSE
IFLABE52 4344.  IFD08319820920 1 1          IFP4003_1
WRP40031 29.7  IRR319820920 1 2 0.0000          P4003_1  P400314003001          MIKE
& ITHA LYNNE BERRY          LAMPASAS RIVER          1626920000  BRDE29          8
** HALE CLAUSE
IFLABE52 4344.  IFD08319820920 1 1          IFP4002_1
WRP40021 32.9  IRR319820920 1 2 0.0000          P4002_1  P400214002001          JOSEPH
B MORROW ET UX          LAMPASAS RIVER          1626900000  BRDE29          8
WR400201 7.1  IRR319820920 1 2 0.0000          P4002_2  P400214002001          TIPTON
MALONE MURRELL          LAMPASAS RIVER          1626900000  BRDE29          8
WR301101 16.6  IRR319621231 1 2 0.0000          C3011_1  C301163011001          W
J RAY ET UX          LAMPASAS RIVER          1625500000  LRLR53          8
WR301101 47.0  IRR319621231 1 2 0.0000          C3011_2  C301163011001          LAWANA
ELLIS ET VIR          LAMPASAS RIVER          1625500000  LRLR53          8
WR301101 0.5  IRR319621231 1 2 0.0000          C3011_3  C301163011001          MIKEL
DUPES ET AL          LAMPASAS RIVER          1625500000  LRLR53          8
WR301231 0.0  UNIFO19760802 1 2 0.0000          C3012_1  C301263012001          STAGECOACH
INN PROPERTIES INC          SALADO CRK          1623948000  LRLR53          8
WSRC3012 9.0  0.5228  0.8206          0 0
WR301331 168.  IRR319650415 1 2 0.0000          C3013_1  C301363013001          MILL
CREEK GOLF & COUNTRY CLUB          SALADO CRK          1623930000  LRLR53          8
WSRC3013 10.0  0.5228  0.8206          0 0
**IF301301          13033.  IFD08419990514          1          IFC3013_1
A
    
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**WR301301	168.	IRR319990514	1	2	0.0000			C3013_2	C301363013001			MILL
CREEK GOLF & COUNTRY CLUB						SALADO CRK			1623920000	LRLR53	A	8
WR301431	63.0	IRR318831231	1	2	0.0000			C3014_1	C301463014001			EDWIN
A BAILEY ESTATE						SALADO CRK			1623900000	LRLR53		8
WSRC3014	6.0	0.5228	0.8206		0	0						
WR301501	36.0	IRR319631231	1	2	0.0000			C3015_1	C301563015001			PAUL
T BOSTON						SALADO CRK			1623250000	LRLR53		8
IFP37631	4530.	IFD08A19800527				1		IFP3763_1				
WR376331	361.	IRR319800527	1	2	0.0000			P3763_1	P376313763001			PAUL
J MEYER ET AL						SALADO CRK			1623110000	LRLR53		8
WSRP3763	20.0	0.5228	0.8206		0	0						
** Changed priority date of 240 acft diversion to January 17, 1984												
WR409511	240.	IRR319840117	1	2	0.0000			P4095_1	P409514095101			SIDNEY
KACIR						LITTLE RIVER			1619710000	LRCA58		8
** HALE CLAUSE												
IFLRLR53	125887.	IFD08519990816	1			1		IFP4095_1				
WR409511	308.	IRR319990816	1	2	0.0000			P4095_2	P409514095101			SIDNEY
KACIR						LITTLE RIVER			1619710000	LRCA58		8
** HALE CLAUSE												
IFLRLR53	12377.	IFD08B19800527	1			1		IFP3762_1				
WR376201	100.	IRR319800527	1	2	0.0000			P3762_1	P376213762001			ELLIS
G & JEAN M MARSHALL						LITTLE RIVER			1619600000	LRCA58		8
WR372501	0.0	UNIFO19770124	1	2	0.0000			C3725_1	C372563725001			OLIN
E TEAGUE VETERANS CENTER						KNOB CRK			1618450000	LRCA58		8
WSRC3725	96.0	0.5228	0.8206		0	0						
WR372631	5.0	IRR319600731	1	2	0.0000			C3726_1	C372663726001			MOLLIE
H BROOKS ET AL						N DARRS CRK			1617000000	LRCA58		8
WSRC3726	12.0	0.5228	0.8206		0	0						
WR372631	5.0	IRR319691106	1	2	0.0000			C3726_2	C372663726001			MOLLIE
H BROOKS ET AL						N DARRS CRK			1617000000	LRCA58		8
WSRC3726	12.0	0.5228	0.8206		0	0						
** HALE CLAUSE												
IFLRCA58	25103.	IFD08619840228	1			1		IFP4109_1				
WR410911	400.	IRR319840228	1	2	0.0000			P4109_1	P410914109101			BETTY
KACIR WHEELER						LITTLE RIVER			1615560000	LRCA58		8
** HALE CLAUSE												
**IFLRLR53	22444.	IFD08719820920				1		IFP4015_1				
**WR401503	700.	IRR319820920	1	2	0.0000			P4015_1	P401514015003			CALVIN
KRAEMER ET AL						LITTLE RIVER			1614810000	LRCA58		8
** HALE CLAUSE												
** OWNERSHIP CHANGES FROM ONE TO TWO												
IFLRLR53	22444.	IFD08719820920	1			1		IFP4015_1				
WR401503	350.	IRR319820920	1	2	0.0000			P4015_1	P401514015003			CALVIN
KRAEMER ET AL						LITTLE RIVER			1614810000	LRCA58		8
WR401505	350.	IRR319820920	1	2	0.0000			P4015_2	P401514015004			CHAMBERLIN
FAMILY TRUST						LITTLE RIVER			1614810000	LRCA58		8
** HALE CLAUSE												
** Expired												
**IF550001	200037.	IFD08819940808						1				IFP5500_1
A												
**WR550001	659.	IRR319940808	1	2	0.0000			P5500_1	P550015500001			CALVIN
KRAEMER						LITTLE RIVER			1614790000	LRCA58	A	8
WR372831	0.0	UNIFO19780605	1	2	0.0000			C3728_1	C372863728301			"PATRICK
J ATKINSON & LARRY J HOWELL						MILL CRK			1610496000	LRCA58		8
WSRC3728	246.	0.5228	0.8206		0	0						
WR372731	72.0	IRR319771011	1	2	0.0000			C3727_1	C372763727001			"B
R LAUTERBORN, HERMAN NEUSCH"						SERVER BR			1610495000	LRCA58		8
WSRC3727	173.	0.5228	0.8206		0	0						
WR372741	0.	IND319771011	1	2	0.0000			C3727_2	C372763727001			"DOYR
CORNELISON ET UX, ROBERT OGDEN ET UX"						SERVER BR			1610495000	LRCA58		8
WSC37271	28.	0.2710	0.8958		0	0						
SO						28. 372731						
WR372931	100.	IND319760927	1	2	0.0000			C3729_1	C372963729001			JOE
GLASER						INDIAN HOLLOW			1609530000	LRCA58		8
WSRC3729	247.	0.4897	0.7633		0	0						
** HALE CLAUSE												
IFLRCA58	25101.	IFD08619850709	1			1		IFP4279_1				
WR427902	600.	IRR319850709	1	2	0.0000			P4279_1	P427914279002			HILLIARD
RANCHES INC						LTL RIVER			1609500000	LRCA58		8
WR427931	150.	IRR319850709	1	2	0.0000			P4279_2	P427914279003			WARRENS
TURF NURSERY INC						LTL RIVER			1609500000	LRCA58		8
WSRP4279	38.0	0.5228	0.8206		0	0						
** HALE CLAUSE												
**IFLRCA58	39819.	UNIFO19910812						1				IFP4279_2
A												
**WR427901	300.	IRR319910812	1	2	0.0000			P4279_3	P427914279001			HILLIARD
RANCHES INC						LTL RIVER			1609500000	LRCA58	A	8
WR373031	21.0	IRR319670301	1	2	0.0000			C3730_1	C373063730001			JOE
P (JR) & HENRIETTA CALLAN						BIG CRK			1606000000	NGGE54		8
WSRC3730	0.2	0.5228	0.8206		0	0						
WR373101	29.0	IRR319621231	1	2	0.0000			C3731_1	C373163731001			REUBEN
FLOYD CLARK						W FRK SAN GABRIEL RIVER			1605950000	NGGE54		8
WR373231	0.0	UNIFO19760517	1	2	0.0000			C3732_1	C373263732301			SAN
GABRIEL RIVER RANCH INC						LACKEY CRK			1605900000	NGGE54		8

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WSRC3732 26.0 0.5228 0.8206 0 0
** Right is authorized for municipal, industrial, mining, and irrigation, but since the uses were not
** broken out, all diversions are modeled as municipal.
** FNI change - add System Operation
**
WR516231 4764. MUN319680212 1 4 R51621 104893 C5162_1 C516265162001 BRAZOS
RIVER AUTHORITY N FRK SAN GABRIEL RIVER 1601000000 NGGE54 8
WSGRGTWN 37000. 0
PX 1
WR516231 2041. MUN319680212 1 4 R51621 104892 C5162_2 C516265162001 BRAZOS
RIVER AUTHORITY N FRK SAN GABRIEL RIVER 1601000000 NGGE54 8
WSGRGTWN 37000. 0
PX 1
WR516231 3198. MUN319680212 1 4 R51621 102641 C5162_3 C516265162001 BRAZOS
RIVER AUTHORITY N FRK SAN GABRIEL RIVER 1601000000 NGGE54 8
WSGRGTWN 37000. 0
PX 1
WR516231 3607. MUN319680212 1 4 R51621 102642 C5162_4 C516265162001 BRAZOS
RIVER AUTHORITY N FRK SAN GABRIEL RIVER 1601000000 NGGE54 8
WSGRGTWN 37000. 0
PX 1
WR516231 0. IND319680212 1 2 0.0000 C5162_5 C516265162001 BRAZOS
RIVER AUTHORITY N FRK SAN GABRIEL RIVER 1601000000 NGGE54 8
WSGRGTWN 37000. 0
PX 1
WR516231 0. MIN319680212 1 2 0.0000 C5162_6 C516265162001 BRAZOS
RIVER AUTHORITY N FRK SAN GABRIEL RIVER 1601000000 NGGE54 8
WSGRGTWN 37000. 0
PX 1
WR516231 0. IRR319680212 1 2 0.0000 C5162_7 C516265162001 BRAZOS
RIVER AUTHORITY N FRK SAN GABRIEL RIVER 1601000000 NGGE54 8
WSGRGTWN 37000. 0
PX 1
** SysOp Change:
** Calculate the total depletion for water right 5162.
WRSR5162 19680212 Compute Dep 5162 SYSTEM
TO 6 1.0 ADD C5162_1 CONT
TO 6 1.0 ADD C5162_2 CONT
TO 6 1.0 ADD C5162_3 CONT
TO 6 1.0 ADD C5162_4 CONT
TO 6 1.0 ADD C5162_5 CONT
TO 6 1.0 ADD C5162_6 CONT
TO 6 1.0 ADD C5162_7 CONT
PX 4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to the regulated flow. In the first pass, the regulated flow is the depletion from the reservoir. In the second pass,
** the depletion is limited to the first pass (base run)
WRSR5162 9999999 19680212 Depletion 5162 SYSTEM
PX 5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
WR516231 19680212 1.0000 5162DP Lumped Dep 5162 SYSTEM 1simdep
TO 11 1.0 ADD Depletion 5162
PX 2
** Special code to output storage from first simulation
WRGT_dum 19680212 1simGTstor look
TO 4 SET GRGTWN
PX 4
WRGT_dum 9999999 XMONTH19680212 2simGTstor look
PX 5
** - End modeling Lake Georgetown.
** end FNI change
**
** Combined two reservoirs into one.
WR373331 0.0 UNIFO19700917 1 2 0.0000 C3733_1 C373363733301 GEORGETOWN
BUILDERS INC N FRK SAN GABRIEL RIVER 1599000000 GAGE56 8
WSRC3733 40.0 0.5228 0.8206 0 0
WR373331 0.0 UNIFO19761122 1 2 0.0000 C3733_2 C373363733301 GEORGETOWN
BUILDERS INC N FRK SAN GABRIEL RIVER 1599000000 GAGE56 8
WSRC3733 44.0 0.5228 0.8206 0 0
**IF373403 553. IFD08C19820503 1 IFP3913_1
A
**WR391331 70.0 MIN319820503 1 2 1.0000 P3913_1 P391313913001 CAPITOL
AGGREGATES LTD M FRK SAN GABRIEL RIVER 1598500000 GAGE56 A 8
**WSRP3913 70.0 0.5228 0.8206 0 0
**WR391331 48.0 MIN319981015 1 2 1.0000 P3913_2 P391313913001 CAPITOL
AGGREGATES LTD M FRK SAN GABRIEL RIVER 1598500000 GAGE56 A 8
**WSRP3913 70.0 0.5228 0.8206 0 0
WR373431 45.0 IRR319411231 1 2 0.0000 C3734_1 C373463734001 GEORGETOWN
COUNTRY CLUB M FRK SAN GABRIEL RIVER 1598000000 GAGE56 8
    
```


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WSRC3734	10.0	0.5228	0.8206	0	0						
WR373501	26.0	IRR319630630		1	2	0.0000	C3735_1	C373563735001			HENRY
GRADY RYLANDER				S	FRK	SAN GABRIEL RIVER		1580000000	SGGE55	8	
WR373601	1.0	IRR319610630		1	2	0.0000	C3736_1	C373663736001			HENRY
GRADY RYLANDER				S	FRK	SAN GABRIEL RIVER		1575000000	SGGE55	8	
**WR373701	300.	IND319700504		1	2	1.0000	C3737_1	C373763737001			ALAMO
CONCRETE PRODUCTS LTD				S	FRK	SAN GABRIEL RIVER		1557000000	SGGE55	A 8	
WR373831	0.0	UNIFO19761206		1	2	0.0000	C3738_1	C373863738301			CITY
OF GEORGETOWN				SAN	GABRIEL	RIVER		1555000000	GAGE56	8	
WSRC3738	11.0	0.5228	0.8206	0	0						
WR373901	240.	MIN319640301		1	1	0.9000	C3739_1	C373963739001			GENE
H BINGHAM ET AL				SAN	GABRIEL	RIVER		1545100000	GALA57	8	
WR374001	20.0	IRR319630501		1	2	0.0000	C3740_1	C374063740001			WENDELL
F. GIBSON				SAN	GABRIEL	RIVER		1544250000	GALA57	8	
** WSA - Special condition requires an upstream contract with BRA to impound and divert.											
** Because priority is junior to Lake Georgetown, this right will have no effect on Lake Georgetown.											
WR553341	0.0	UNIFO19950711		1	2	0.0000	P5533_1	P553315533001			DEL WEBB
TEXAS L P				BERRY	CRK			1478500000	GALA57	8	
WSP55331	2.5	0.2710	0.8958	0	0						
WR553331	26.1	IRR319950711		1	2	0.0000	P5533_2	P553315533001			DEL
WEBB TEXAS L P				BERRY	CRK			1478500000	GALA57	8	
WSRP5533	42.9	0.5228	0.8206	0	0						
SO		2.5		BACKUP							
WR374301	32.0	IRR319540331		1	2	0.0000	C3743_1	C374363743001			JL
ENTERPRISES LLP				BERRY	CRK			1478402000	GALA57	8	
WR374201	16.9	IRR319640501		1	2	0.0000	C3742_1	C374263742001			MAXINE
HARRIS				BERRY	CRK			1478401000	GALA57	8	
WR374201	7.2	IRR319640501		1	2	0.0000	C3742_2	C374263742001			R
SCOTT POPE ET UX				BERRY	CRK			1478401000	GALA57	8	
WR374101	10.9	IRR319640501		1	2	0.0000	C3741_1	C374163741001			LINDA
ANN SMITH				SAN	GABRIEL	RIVER		1478400000	GALA57	8	
WR374101	17.1	IRR319640501		1	2	0.0000	C3741_2	C374163741001			TED
KALLUS ET UX				SAN	GABRIEL	RIVER		1478400000	GALA57	8	
WR374401	110.	IRR319520930		1	2	0.0000	C3744_1	C374463744001			T.
D. VAUGHAN				SAN	GABRIEL	RIVER		1478200000	GALA57	8	
WR374501	33.0	IRR319631231		1	2	0.0000	C3745_1	C374563745001			BEN
W KURIO (BWK PARTNERSHIP)				SAN	GABRIEL	RIVER		1478000000	GALA57	8	
WR374601	12.0	IRR319571231		1	2	0.0000	C3746_1	C374663746001			CHARLENE
M SEFCIK				SAN	GABRIEL	RIVER		1477000000	GALA57	8	
WR374701	284.	IRR319660731		1	2	0.0000	C3747_1	C374763747001			JIMMY
F. BYERS				SAN	GABRIEL	RIVER		1473500000	GALA57	8	
** Expired											
**IF409131	25339.	IFD08919840103		1			IFP4091_1				
**WR409131	448.	IRR319840103		1	2	0.0000	P4091_1	P409114091001			DAVID
L KELLEY ET UX				SAN	GABRIEL	RIVER		1473000000	PAGR31	8	
**WSRP4091	11.0	0.5228	0.8206	0	0						
** Note: Only 20 acft of water may be consumptively used for industrial purposes.											
WR374801	203.	IND319451231		1	1	0.9015	C3748_1	C374863748001			A
C STEARNS ESTATE				SAN	GABRIEL	RIVER		1460100000	GALA57	8	
** Right is authorized for municipal, industrial, mining, and irrigation, but since the uses were not											
** broken out, all diversions are modeled as municipal.											
** FNI change - System Operation											
WR516331	6566.	MUN319680212		1	4	R51631	C5163_1	C516365163001			BRAZOS
RIVER AUTHORITY				SAN	GABRIEL	RIVER		1440000000	GALA57	8	
WSGRNGER	46198.			0							
PX	1										
WR516331	6721.	MUN319680212		1	4	R51631	C5163_2	C516365163001			BRAZOS
RIVER AUTHORITY				SAN	GABRIEL	RIVER		1440000000	GALA57	8	
WSGRNGER	46198.			0							
PX	1										
WR516331	5659.	IND319680212		1	2	0.0000	C5163_3	C516365163001			BRAZOS
RIVER AUTHORITY				SAN	GABRIEL	RIVER		1440000000	GALA57	8	
WSGRNGER	46198.			0							
PX	1										
WR516331	0.	IND319680212		1	2	0.0000	C5163_4	C516365163001			BRAZOS
RIVER AUTHORITY				SAN	GABRIEL	RIVER		1440000000	GALA57	8	
WSGRNGER	46198.			0							
PX	1										
WR516331	20.	MIN319680212		1	2	0.0000	C5163_5	C516365163001			BRAZOS
RIVER AUTHORITY				SAN	GABRIEL	RIVER		1440000000	GALA57	8	
WSGRNGER	46198.			0							
PX	1										
WR516331	874.	IRR319680212		1	2	0.0000	C5163_6	C516365163001			BRAZOS
RIVER AUTHORITY				SAN	GABRIEL	RIVER		1440000000	GALA57	8	
WSGRNGER	46198.			0							
PX	1										
** SysOp Change:											
** Calculate the total depletion for water right 5163.											
WRSR5163		19680212					Compute Dep 5163	SYSTEM			
TO	6	1.0	ADD				C5163_1	CONT			
TO	6	1.0	ADD				C5163_2	CONT			
TO	6	1.0	ADD				C5163_3	CONT			
TO	6	1.0	ADD				C5163_4	CONT			

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TO      6      1.0      ADD                                C5163_5      CONT
TO      6      1.0      ADD                                C5163_6
PX      4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
WRSR5163 9999999      19680212                                Depletion 5163      SYSTEM
PX      5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
WR516331      19680212                                1.0000      5163DP                                Lumped Dep 5163      SYSTEM lsimdep
TO      11     1.0      ADD                                Depletion 5163
PX      2
** Special code to output storage from first simulation
WRGR_dum      19680212                                1simGRstor      look
TO      4      SET                                GRNGER
PX      4
WRGR_dum      9999999      XMONTH19680212                                2simGRstor      look
PX      5
** - End modeling Lake Granger.
** end FNI change
**
WR375001      125.      IRR319430630      1      2      0.0000                                C3750_1      C375063750001                                T.R.
COFFIELD                                SAN GABRIEL RIVER                                1357000000      LRCA58      8
WR397131      0.0      UNIFO19830131      1      2      0.0000                                P3971_1      P397113971301                                TONKAWA
SPRINGS HOME OWNERS                                DRY FRK BRUSHY CRK                                1339000000      LRCA58      8
WSRP3971      7.5      0.5228      0.8206                                0      0
WR511831      0.0      UNIFO19870112      1      2      0.0000                                P5118_1      P511815118301                                KILLEEN
SAVINGS & LOAN ASSN                                DRY FRK BRUSHY CRK                                1338900000      LRCA58      8
WSRP5118      2.8      0.5228      0.8206                                0      0
WR417131      0.0      UNIFO19840814      1      2      0.0000                                P4171_1      P417114171301                                35/45
INVESTORS LP                                LAKE CRK                                1338500000      LRCA58      8
WSRP4171      19.0     0.5228      0.8206                                0      0
WR375101      30.0     IRR319220818      1      2      0.0000                                C3751_1      C375163751001                                BERTHA
S. JOHNSON                                BRUSHY CRK                                1338000000      LRCA58      8
**NNP Teravista, app. 5667B, 11/13/03, io
WR566732      0.0      UNIFO19991213      1      2      0.0000                                P5667_1      P566715667302
WSR56672      24.23    0.4897      0.7633                                0      0
WR566731      0.0      UNIFO19991213      1      2      0.0000                                P5667_2      P566715667301
WSR56671      5.0      0.4897      0.7633                                0      0
WR566734      0.0      UNIFO19991213      1      2      0.0000                                P5667_3      P566715667304
WSR56674      61.41    0.4897      0.7633                                0      0
WR518831      0.0      UNIFO19880720      1      2      0.0000                                P5188_1      P518815188301                                CITY
OF TAYLOR                                BULL CRK                                1278350000      LRCA58      8
WSRP5188      11.6     0.5228      0.8206                                0      0
WR375231      0.0      UNIFO19760517      1      2      0.0000                                C3752_1      C375263752301                                CITY
OF TAYLOR                                BULL BRANCH                                1278300000      LRCA58      8
WSRC3752      26.0     0.5228      0.8206                                0      0
** WR/WS/SO/IF Records added/changed for P4166, SAMUEL W & MARGARET JONES.
IF416611      3403.    UNIFO19840731      1                                IFP4166_1
WR416611      120.     IRR319840731      1      2      0.0000                                P4166_1      P416614166101                                SAMUEL
W & MARGARET JONES                                BRUSHY CRK                                1279800000      LRCA58      8
**
WR375331      1.0      IRR319630701      1      2      0.0000                                C3753_1      C375363753001                                THE
ESTATE OF JOHN V STILES                                BRUSHY CRK                                1260100000      LRCA58      8
WSRC3753      121.     0.5228      0.8206                                0      0
WR375431      60.0     MUN319610620      1      2      0.0000                                C3754_1      C375463754001                                CITY
OF THORNDALE                                ROCKY CRK                                1259000000      LRCA58      8
WSRC3754      134.     0.5228      0.8206                                0      0
WR375601      3.0      IRR319530701      1      2      0.0000                                C3756_1      C375663756001                                LESTER
W. STILES                                SPRING BR                                1239600000      LRCA58      8
WR375531      29.0     IRR319630430      1      2      0.0000                                C3755_1      C375563755004                                W.A.
& JACK WINTERROWD                                SPRING BR                                1239250000      LRCA58      8
WSRC3755      153.     0.5228      0.8206                                0      0
WR375533      21.0     IRR319630430      1      2      0.0000                                C3755_2      C375563755006                                W.A.
& JACK WINTERROWD                                SPRING BR                                1239250000      LRCA58      8
WSC37551      110.     0.5228      0.8206                                0      0
WR375731      100.     MUN319660915      1      2      0.0000                                C3757_1      C375763757001                                CITY
OF THORNDALE                                SPRING BR                                1239000000      LRCA58      8
WSRC3757      469.     0.5228      0.8206                                0      0
** This portion of the right will expire when water becomes available from Lake Granger. Granger
** has been constructed and filled. Assume water is available from Lake Granger and do not model
** this portion of the right.
**WR375701      150.     MUN319820920      1      2      0.0000                                C3757_2      C375763757001                                CITY
OF THORNDALE                                SPRING BR                                1239000000      LRCA58      B 8
**WSRC3757      469.     0.5228      0.8206                                0      0
WR374901      110.     IRR319670430      1      2      0.0000                                C3749_1      C374963749001                                W
T PEARSON JR                                SAN GABRIEL RIVER                                1236000000      LRCA58      8
** HALE CLAUSE
IFLRCA58      25103.   IFD08619770829      1      1                                IFC3759_1

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WR377511	500.00	IRR320000929	1	2	0.0000			C3775_4	C377563775101				LLOYD
E LEIFESTE ET UX						LITTLE RIVER			1219000000	BRBR59	8		
**													
WR377501	577.66	IRR319600410	1	2	0.0000			C3775_1	C377563775001				LLOYD
E LEIFESTE ET UX						LITTLE RIVER			1219000000	BRBR59	8		
WR377501	622.59	IRR319600410	1	2	0.0000			C3775_2	C377563775001				VERONICA
ROESSLER ET AL						LITTLE RIVER			1219000000	BRBR59	8		
WR377501	66.75	IRR319600410	1	2	0.0000			C3775_3	C377563775001				Robertson
(Fee)						LITTLE RIVER			1219000000	BRBR59	8		
WR436931	4.0	IRR319651231	1	2	0.0000			C4369_1	C436964369001				GENE
W BONORDEN						THREE MILE			1210700000	BRBR59	8		
WSRC4369	4.0	0.5228	0.8206		0								
** Diversions contingent upon effluent discharges from the City of Temple.													
**IF554801		1448.				UNIFO19960315					1		IFP5548_1
A													
**WR554801	50.0	IRR319960315	1	2	0.0000			P5548_1	P554815548001				EDWARD
COUFAL						DAILY BRANCH			1153800000	BRBR59	A	8	
**SO						104702							
**ML	0.	0.	0.	0.	68.	66.	68.	68.	0.	0.	0.	0.	
** 6400 acft/yr (municipal) IBT from Colorado River Basin to the Brazos. No control point provided by TNRC.													
** Dummy control point (D56771) utilized to which required diversions are added using CI records.													
WRD56771	6400.	MUN320000202	1	2	0.0000	126441		P5677_1	P56779999				LOWER
COLORADO RIVER AUTHORITY						COLORADO RIVER			0760000000	BRHE68	8		
WR433901	100.	IRR319630523	1	2	0.0000			C4339_1	C433964339001				B.T.
GEORGE, C. WALKER, & J&B ENGLISH						BRAZOS RIVER			2990000000	BRWA41	9		
** Added industrial use													
WR434031	5600.	MUN319140629	2	4	R50941	110711		C4340_1	C434064340001				CITY
OF WACO						BRAZOS RIVER			2935000000	BRWA41	B	9	
WSRC4340	3537.	0.8109	0.6681		0	0							
WR434031	0.0	UNIFO19680108	1	2	0.0000			C4340_3	C434064340001				CITY
OF WACO						BRAZOS RIVER			2935000000	BRWA41	B	9	
WSRC4340	3537.	0.8109	0.6681		0	0							
** Hydroelectric portion cancelled													
**WR4340311257530.		HYD399999999	1	1	1.0000	434031		C4340_4	C434064340001				YOUNG
BROTHER INC CONTRACTORS						BRAZOS RIVER			2935000000	BRWA41	9		
**WSRC4340	3537.	0.8109	0.6681		0	0							
** HALE CLAUSE													
IFBRWA41	190763.	IFD09119860814	1	1				IFP5085_1					
WR508541	6021.	MUN319860814	1	4	R50941	110711		P5085_1	P508515085001				CITY
OF ROBINSON						BRAZOS RIVER			2922300000	BRHB42	9		
WSRP5085	8037.	0.2710	0.8958		0	0							
SO	6112.	13100.	508501										
WR434331	0.0	UNIFO19730212	1	2	0.0000			C4343_1	C434364343301				OAK
LAKE CLUB						Tiger Branch			2860500000	BRHB42	9		
WSRC4343	27.0	0.5228	0.8206		0	0							
WR500031	500.	MUN319850903	1	2	0.0000			P5000_1	P500015000001				CITY
OF MART						TRADINGHOUSE CRK			2832200000	BRHB42	9		
WSRP5000	1640.	0.5228	0.8206		0	0							
WR434201	12000.	IND319260821	1	1	0.0000			C4342_1	C434264342001				TEXAS
UTILITIES ELECTRIC CO						BRAZOS RIVER			2832000000	BRHB42	9		
WR434231	15000.	IND319660916	1	2	0.0000			C4342_2	C434264342002				TEXAS
UTILITIES ELECTRIC CO						Trandinghouse Creek			2832000000	BRHB42	B	9	
WSTRCRK	35895.				0								
WR434401	400.	IRR319180316	1	2	0.0000			C4344_1	C434464344001				LOLA
ROBINSON						TEHUACANA CRK			2830000000	BRHB42	9		
WR434402	660.	IRR319290126	1	2	0.0000			C4344_2	C434464344002				LOLA
ROBINSON						Brazos River and TEHUACANA CRK			2830000000	BRHB42	9		
** HALE CLAUSE													
IFBRWA41	130751.	IFD09219820830	1	1				IFP3936_1					
WR393601	2600.	IRR319820830	1	2	0.0000			P3936_1	P393613936001				HOLY
LAND & CATTLE						BRAZOS RIVER			2812000000	BRHB42	9		
** Certificate states that water can be diverted from Brazos into the reservoir at the earlier													
** priority date. Assume that additional 500 acft is allowed to be impounded from the Brazos River diversion.													
** Impoundment of watershed flows for the additional 500 acft is limited to the 1952 priority date.													
WR434531	10000.	IND319510306	1	2	0.0000			C4345_1	C434564345002				TEXAS
UTILITIES ELECTRIC CO						BRAZOS RIVER			2800000000	BRHB42	9		
WSLAKECR	7400.				0								
WR434531	0.	IND319510306	1	2	0.0000			C4345_2	C434564345002				TEXAS
UTILITIES ELECTRIC CO						BRAZOS RIVER			2800000000	BRHB42	9		
WSLAKECR	7400.				0								
SO	27075.	8996.	434501			BACKUP							
WR434531	0.	IND319520305	1	2	0.0000			C4345_3	C434564345002				TEXAS
UTILITIES ELECTRIC CO						BRAZOS RIVER			2800000000	BRHB42	9		
WSLAKECR	7400.				0								
**IFBRHB42	235583.	IFD09319831219											IFP4089_1
A													
**WR408902	200.	IRR319831219	1	2	0.0000			P4089_1	P408914089002				T
W WHALEY JR						BRAZOS RIVER			2725710000	PAGR31	A	9	
** HALE CLAUSE													
IFBRHB42	196129.	IFD09819830207	1	1				IFP4042_1					
WR404202	700.	IRR319830207	1	2	0.0000			P4042_1	P404214042002				T
W WHALEY JR						BRAZOS RIVER			2723010000	BRHB42	9		
WR434601	200.	IRR319250828	1	2	0.0000			C4346_1	C434664346001				W
J DUBE						BRAZOS RIVER			2716000000	BRHB42	9		

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IFBRHB42 235583.	IFD09319840515	1	1		IFP4145_1					
WRP41451 448.	IRR319840515	1	2	0.0000		P4145_1	P414514145001			JOHN
W & JANIE NIGLIAZZO							1215010000	CFNU16	9	
WR436801 76.0	IRR319560831	1	2	0.0000		C4368_1	C436864368001			GLORIA
ELY HOLDEN							1214500000	BRBR59	9	
** HALE CLAUSE										
IFBRHB42 235583.	IFD09319830919	1	1		IFP4080_1					
WR408004 1500.	IRR319830919	1	2	0.0000		P4080_1	P408014080004			GATHAN
REISTINO							1208510000	BRBR59	9	
WR437002 297.	IRR319541231	1	2	0.0000		C4370_1	C437064370002			ONAH
B PENN ETAL							1207000000	BRBR59	9	
WR437031 0.0	UNIFO19551231	1	2	0.0000		C4370_2	C437064370003			ONAH
B PENN ETAL							1207000000	BRBR59	9	
WSRC4370 15.0	0.5228 0.8206			0						
WR437101 410.	IRR319560731	1	2	0.0000		C4371_1	C437164371001			SAM
F DESTEFANO							1206300000	BRBR59	9	
** HALE CLAUSE										
IFBRHB42 196129.	IFD09819830207	1	1		IFC4371_1					
WR437101 290.	IRR319830207	1	2	0.0000		C4371_2	C437164371001			SAM
F DESTEFANO							1206300000	BRBR59	9	
WR437331 0.0	UNIFO19750224	1	2	0.0000		C4373_1	C437364373301			"DRAYTON
MCLANE, JR"							1205487500	BRBR59	9	
WSRC4373 156.	0.5228 0.8206			0						
WR437332 0.0	UNIFO19750224	1	2	0.0000		C4373_2	C437364373302			"DRAYTON
MCLANE, JR"							1205487500	BRBR59	9	
WSC43732 177.	0.5228 0.8206			0						
WR437431 0.0	UNIFO19720626	1	2	0.0000		C4374_1	C437464374301			LAKE
WOODROW INC							1205486000	BRBR59	9	
WSRC4374 166.	0.4897 0.7633			0						
** HALE CLAUSE										
IFBRBR59 435061.	IFD09B19810309	1	1		IFC4372_1					
** Right authorized to use 700 acft, of which 235 acft can be from the watershed above the										
** reservoir. The remaining use must be from the Brazos River, with the annual total diverted										
** from the Brazos River for irrigation and maintenance of storage not to exceed 730 acft/yr.										
WR437231 235.	IRR319810309	1	2	0.0000		C4372_1	C437264372002			FORBIN
INVESTMENTS N V							1205455000	BRBR59	9	
WR437231 465.	IRR319810309	1	2	0.0000		C4372_2	C437264372002			FORBIN
INVESTMENTS N V							1205455000	BRBR59	9	
WSRC4372 120.	0.5228 0.8206			0						
SO 268.	730. 437201			BACKUP						
** Expired										
** HALE CLAUSE										
**IFBRBR59 450393.	IFD09C19910228				1					IFP5349_1
A										
**WR534901 780.	IRR319910228	1	2	0.0000		P5349_1	P534915349001			BRAZOS
FARM LTD							1205453000	SJGMC4	A 9	
WR548231 0.0	MIN319940629	1	2	0.0000		P5482_1	P548215482301			WALNUT
CREEK MINING COMPANY							1205339915	BRBR59	9	
WSRP5482 7.6	0.5228 0.8206			0						
WR5326P1 0.0	IND319901024	1	2	0.0000		P5326_1	P532615326001			WALNUT
CREEK MINING CO							1205339910	BRRO72	9	
WSRP5326 49.8	0.5228 0.8206			0						
WR511731 0.0	MIN319861231	1	2	0.0000		P5117_1	P511715117301			WALNUT
CREEK MINING COMPANY							1205339900	BRBR59	B 9	
WSRP5117 126.	0.5228 0.8206			0						
WR437531 4.0	IRR319631231	1	2	0.0000		C4375_1	C437564375002			FLOYD
KEMPENSKI							1205339800	BRBR59	9	
WSRC4375 20.0	0.5228 0.8206			0						
WR510631 0.0	MIN319861022	1	2	0.0000		P5106_1	P510615106301			WALNUT
CREEK MINING COMPANY							1205337000	BRBR59	B 9	
WSRP5106 95.0	0.5228 0.8206			0						
WR514831 458.	IND319870723	1	2	0.0000		P5148_1	P514815148301			TEXAS-
NEW MEXICO POWER CO							1205336000	BRBR59	9	
WSRP5148 178.	0.5228 0.8206			0						
WR436301 384.	IRR319511231	1	2	0.0000		C4363_1	C436364363001			JOE
REISTINO ESTATE							1205310000	BRBR59	9	
** HALE CLAUSE										
IFBRHB42 235583.	IFD09319831019	1	1		IFC4363_1					
WR436301 1068.	IRR319831019	1	2	0.0000		C4363_2	C436364363001			JOE
REISTINO ESTATE							1205310000	BRBR59	9	
WR436302 48.	IRR319511231	1	2	0.0000		C4363_3	C436364363002			JOE
REISTINO ESTATE							1205310000	BRBR59	9	
** HALE CLAUSE										
IFBRHB42 261415.	IFD09F19840710	1	1		IFC4364_1					
WR436401 724.	IRR319581231	1	2	0.0000		C4364_1	C436464364001			CLIFF
A SKILES JR							1205302000	BRBR59	9	
WR436441 0.	IRR319581231	1	2	0.0000		C4364_2	C436464364001			CLIFF
A SKILES JR							1205302000	BRBR59	9	
WSRC4364 6.0	0.2710 0.8958			0						
SO 436405				BACKUP						
**WR436401 3026.	IRR319840710	1	2	0.0000		C4364_3	C436464364001			CLIFF
A SKILES JR							1205302000	BRBR59	A 9	
**WR436405 0.	IRR319840710	1	2	0.0000		C4364_4	C436464364005			CLIFF
A SKILES JR							1205302000	BRBR59	A 9	

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WR527631	2.3	IRR319720626	1	2	0.0000		C5276_1	C527665276001		GEORGE
W SPRANKLE						TRACY		1125590000 YCSO62	9	
WSRC5276	16.0	0.5228	0.8206							
WR527731	20.0	IRR319590630	1	2	0.0000		C5277_1	C527765277001		TOMMY
BREDTHAUER ET AL						CEDAR CRK		1125510000 YCSO62	9	
WSRC5277	75.	0.5228	0.8206							
WR527732	0.	IRR319590630	1	2	0.0000		C5277_2	C527765277001		TOMMY
BREDTHAUER ET AL						CEDAR CRK		1125510000 YCSO62	9	
WSC52771	10.	0.5228	0.8206							
WR527733	0.	IRR319590630	1	2	0.0000		C5277_3	C527765277001		TOMMY
BREDTHAUER ET AL						CEDAR CRK		1125510000 YCSO62	9	
WSC52772	16.	0.5228	0.8206							
WR527831	0.0	UNIFO19501116	1	2	0.0000		C5278_1	C527865278301		K
L NIXON						FOUR MILE CRK		1125000000 YCSO62	9	
WSRC5278	135.	0.5228	0.8206							
WR527931	0.0	UNIFO19741202	1	2	0.0000		C5279_1	C527965279301		BIRCH
CREEK FOREST PROPERTIES						BIRCH CRK		1124000000 YCSO62	9	
WSR52791	5.0	0.5228	0.8206							
WR527932	0.0	UNIFO19741202	1	2	0.0000		C5279_2	C527965279302		BIRCH
CREEK FOREST PROPERTIES						BIRCH CRK		1124000000 YCSO62	9	
WSR52792	5.0	0.5228	0.8206							
WR527933	0.0	UNIFO19741202	1	2	0.0000		C5279_3	C527965279303		BIRCH
CREEK FOREST PROPERTIES						BIRCH CRK		1124000000 YCSO62	9	
WSR52793	5.0	0.5228	0.8206							

** Note: Owner is authorized to divert spring water during periods when the flow of Jerdelle Creek is absorbed into the alluvial soils.

WR528041	0.0	IND319810601	1	2	0.0000		C5280_1	C528065280001		WALDO
NIENSTEDT						JERDELLA		1123600000 YCSO62	9	
WSRC5280	4.5	0.2710	0.8958							
SO	6.5	20.	528001							

** Lake Somerville

** FNI change - System Operation

WR516431	4619.	MUN319631216	1	4	R51641	103881	C5164_1	C516465164001		BRAZOS
RIVER AUTHORITY						YEGUA CRK		1122000000 YCSO62	9	
WSSMRVLE	135891.									
PX	1									
WR516431	6658.	IND319631216	1	2	0.0000		C5164_2	C516465164001		BRAZOS
RIVER AUTHORITY						YEGUA CRK		1122000000 YCSO62	9	
WSSMRVLE	135891.									
PX	1									
WR516431	23763.	IND319631216	1	2	0.0000		C5164_3	C516465164001		BRAZOS
RIVER AUTHORITY						YEGUA CRK		1122000000 YCSO62	9	
WSSMRVLE	135891.									
PX	1									
WR516431	0.0	IRR319631216	1	2	0.0000		C5164_4	C516465164001		BRAZOS
RIVER AUTHORITY						YEGUA CRK		1122000000 YCSO62	9	
WSSMRVLE	135891.									
PX	1									
WR516431	12928.	IRR319631216	1	2	0.0000		C5164_5	C516465164001		BRAZOS
RIVER AUTHORITY						YEGUA CRK		1122000000 YCSO62	9	
WSSMRVLE	135891.									
PX	1									
WR516431	32.	MIN319631216	1	2	0.0000		C5164_6	C516465164001		BRAZOS
RIVER AUTHORITY						YEGUA CRK		1122000000 YCSO62	9	
WSSMRVLE	135891.									
PX	1									
WR516431	0.0	UNIFO19631216	1	2	0.0000		C5164_7	C516465164001		BRAZOS
RIVER AUTHORITY						YEGUA CRK		1122000000 YCSO62	9	
WSSMRVLE	135891.									
PX	1									

** SysOp Change:

** Calculate the total depletion for water right 5164.

WRSR5164		19631216				Compute Dep 5164	SYSTEM
TO	6	1.0	ADD			C5164_1	CONT
TO	6	1.0	ADD			C5164_2	CONT
TO	6	1.0	ADD			C5164_3	CONT
TO	6	1.0	ADD			C5164_4	CONT
TO	6	1.0	ADD			C5164_5	CONT
TO	6	1.0	ADD			C5164_6	CONT
TO	6	1.0	ADD			C5164_7	
PX	4						

** SysOp Change:

** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited to depletions in the first run.

WRSR5164	9999999	19631216				Depletion 5164	SYSTEM
PX	5						

** SysOp Change:

** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion of the amount of the base run (first pass)

WR516431		19631216		1.0000	5164DP	Lumped Dep 5164	SYSTEM	1simdep
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TO	11	1.0	ADD				Depletion 5164		
PX	2								
** Special code to output storage from first simulation									
WRSO_dum			19631216			1simSOstor	look		
TO	4		SET		SMRVLE				
PX	4								
WRSO_dum	9999999		XMONTH19631216			2simSOstor	look		
PX	5								
** - End modeling Lake Somerville.									
** end FNI change									
WR528131	0.0		UNIFO19800303	1	2	0.0000	C5281_1	C528165281301	HARRY
H BOWERS			DAVIDSON					1119900000 DCLY63	9
WSRC5281	60.0	0.4897	0.7633	0		0			
WR528231	0.0		UNIFO19811109	1	2	0.0000	C5282_1	C528265282301	RUSSELL
F WIGGINS			SECOND DAVIDSON CRK					1119220000 DCLY63	9
WSRC5282	675.	0.8109	0.6681	0		0			
** The diversion authorized from Brushy Creek and West Davidson Creek is for flood control									
** purposes and is not modeled.									
**WR414001	0.0		UNIFO19840410	1	2	0.0000	P4140_1	P414014140001	JOE
D DUNCAN			BRUSHY CRK					1119050000 CFNU16	9
WR528331	0.0		UNIFO19750203	1	2	0.0000	C5283_1	C528365283301	BEAVER
CREEK DEVELOPERS			DAVIDSON					1118450000 DCLY63	9
WSRC5283	27.8	0.4897	0.7633	0		0			
WR528332	0.0		UNIFO19750203	1	2	0.0000	C5283_2	C528365283302	BEAVER
CREEK DEVELOPERS			DAVIDSON					1118450000 DCLY63	9
WSC52831	30.4	0.4897	0.7633	0		0			
WR528333	0.0		UNIFO19750203	1	2	0.0000	C5283_3	C528365283303	BEAVER
CREEK DEVELOPERS			DAVIDSON					1118450000 DCLY63	9
WSC52832	8.4	0.4897	0.7633	0		0			
WR528334	0.0		UNIFO19750203	1	2	0.0000	C5283_4	C528365283304	BEAVER
CREEK DEVELOPERS			DAVIDSON					1118450000 DCLY63	9
WSC52833	18.5	0.4897	0.7633	0		0			
WR528335	0.0		UNIFO19750203	1	2	0.0000	C5283_5	C528365283305	BEAVER
CREEK DEVELOPERS			DAVIDSON					1118450000 DCLY63	9
WSC52834	14.	0.4897	0.7633	0		0			
WR528336	0.0		UNIFO19750203	1	2	0.0000	C5283_6	C528365283306	BEAVER
CREEK DEVELOPERS			DAVIDSON					1118450000 DCLY63	9
WSC52835	14.	0.4897	0.7633	0		0			
WR528431	30.0		IRR319670109	1	2	0.0000	C5284_1	C528465284001	SEALY
& ROBERT HUTCHINGS			YEGUA CRK					1118000000 BRHE68	9
WSRC5284	72.0	0.5228	0.8206	0		0			
WR528731	2165.		MUN319570415	1	2	0.0000	C5287_1	C528765287001	BISTONE
MUNICIPAL WSD			NAVASOTA RIVER					1035000000 NAGR64	10
WS MEXIA	3763.					0			
WR528731	722.		MUN319570415	1	2	0.0000	C5287_2	C528765287001	BISTONE
MUNICIPAL WSD			NAVASOTA RIVER					1035000000 NAGR64	10
WS MEXIA	3763.					0			
WR528731	65.0		IND319570415	1	2	1.0000	C5287_3	C528765287001	BISTONE
MUNICIPAL WSD			NAVASOTA RIVER					1035000000 NAGR64	10
WS MEXIA	3763.					0			
WR528831	6.0		IRR319390118	1	2	0.0000	C5288_1	C528865288001	TEXAS
PARKS & WILDLIFE DEPT			NAVASOTA RIVER					0870000000 NAGR64	10
WSRC5288	3100.	0.5228	0.8206	0		0			
WR528831	0.0		UNIFO19390118	1	2	0.0000	C5288_2	C528865288001	TEXAS
PARKS & WILDLIFE DEPT			NAVASOTA RIVER					0870000000 NAGR64	10
WSRC5288	3100.	0.5228	0.8206	0		0			
WR528931	2500.		MUN319210613	1	2	0.0000	C5289_1	C528965289001	CITY
OF GROESBECK			NAVASOTA RIVER					0840000000 NAEA66	10
WSRC5289	150.	0.5228	0.8206	0		0			
WR529031	8.0		IRR319721204	1	2	0.0000	C5290_1	C529065290001	ERNI
LUNA ET AL			PLUMMERS					0812500000 NAEA66	10
WSRC5290	108.	0.5228	0.8206	0		0			
WR529131	605.		MUN319520814	1	2	0.0000	C5291_1	C529165291001	CITY
OF TEAGUE			HOLMAN					0810000000 BGFR65	10
WSRC5291	860.	0.4897	0.7633	0		0			
WR529131	0.0		MUN319570311	1	2	0.0000	C5291_2	C529165291001	CITY
OF TEAGUE			HOLMAN					0810000000 BGFR65	10
WSRC5291	1160.	0.4897	0.7633	0		0			
** Shares reservoir with C5293 (Lower Club Lake).									
WR529331	5.0		MUN319750106	1	2	0.0000	C5292_1	C529265292001	CITY
OF TEAGUE			JETER CRK					0809900000 BGFR65	10
WSRC5293	483.	0.5228	0.8206	0		0			
WR529331	24.0		MUN319850910	1	2	0.0000	C5292_2	C529265292001	CITY
OF TEAGUE			JETER CRK					0809900000 BGFR65	10
WSRC5293	483.	0.5228	0.8206	0		0			
WR529332	0.0		UNIFO19750106	1	2	0.0000	C5293_1	C529365293302	TEAGUE
HUNTING & FISHING CLUB			JETER CRK					0809000000 BGFR65	10
WSC52931	267.	0.5228	0.8206	0		0			
WR529331	0.0		UNIFO19750106	1	2	0.0000	C5293_2	C529365293301	TEAGUE
HUNTING & FISHING CLUB			JETER CRK					0809000000 BGFR65	10
WSRC5293	483.	0.5228	0.8206	0		0			
WR529431	0.0		UNIFO19541231	1	2	0.0000	C5294_1	C529465294301	D
G BROWN			CHAMBERS CRK					0808000000 BGFR65	10
WSRC5294	150.	0.5228	0.8206	0		0			

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WR529431    0.0    UNIFO19840710    1    2    0.0000                    C5294_2    C529465294301                    D
G BROWN                    CHAMBERS CRK                    0808000000    BGFR65    10
WSRC5294    187.    0.5228    0.8206                    0    0
WR529531    0.0    UNIFO19760329    1    2    0.0000                    C5295_1    C529565295301                    J
G KENNEDY                    BIG CRK                    0807800000    NAEA66    10
WSRC5295    285.    0.5228    0.8206                    0    0
WR531937    90.0    IND319901012    1    2    0.0000                    P5319_1    P531915319003                    NORTHWESTERN
RESOURCES CO                UNNAMED TRIB                    0806000000    NAEA66    10
WSP53191    193.4    0.5228    0.8206                    0    0
WR531936    0.    IND319901012    1    2    0.0000                    P5319_2    P531915319003                    NORTHWESTERN
RESOURCES CO                UNNAMED TRIB                    0806000000    NAEA66    10
WSRP5319    322.7    0.5228    0.8206                    0    0
**
** Lake Limestone
**
** The following IFs to protect downstream water rights were removed
**IF516531    4344.    UNIFO19740506    1                    IFC5165_1
**IF516531    1448.    UNIFO19740506    3                    IFC5165_2
**WSLMSTNE 185502.                    0                    -1
**OR516531                    -1
** FNI change - add in instream flow
** this is the 6 cfs requirement, limited to inflow
** in order to include downstream releases when short, make most junior and limit to inflows
IF516531    4348    DAYS999999999    3                    IFLMSTNE6CFS
TO 2                    MIN                    516501
WSLMSTNE 185502.                    0
OR516531
** minimum of 2 cfs as long as there is inflow
** note 1 most junior and downstream
IF516531    1449    DAYS999999999    3                    IFLMSTNE2CFS
TO 2                    LIM    0.1    9999999    516501
WSLMSTNE 185502.                    0
OR516531
**
WR516531    28415.    MUN319740506    1    2    0.0000                    C5165_1    C516565165001                    BRAZOS
RIVER AUTHORITY                    NAVASOTA RIVER                    0803000000    NAEA66    10
WSLMSTNE 185502.                    0
PX 1
WR516531    200.    MUN319740506    1    2    0.0000                    C5165_2    C516565165001                    BRAZOS
RIVER AUTHORITY                    NAVASOTA RIVER                    0803000000    NAEA66    10
WSLMSTNE 185502.                    0
PX 1
WR516531    21602.    IND319740506    1    2    0.0000                    C5165_3    C516565165001                    BRAZOS
RIVER AUTHORITY                    NAVASOTA RIVER                    0803000000    NAEA66    10
WSLMSTNE 185502.                    0
PX 1
WR516531    11255.    IND319740506    1    2    0.0000                    C5165_4    C516565165001                    BRAZOS
RIVER AUTHORITY                    NAVASOTA RIVER                    0803000000    NAEA66    10
WSLMSTNE 185502.                    0
PX 1
WR516531    3600.    IND319740506    1    2    0.0000                    C5165_5    C516565165001                    BRAZOS
RIVER AUTHORITY                    NAVASOTA RIVER                    0803000000    NAEA66    10
WSLMSTNE 185502.                    0
PX 1
WR516531    0.0    IRR319740506    1    2    0.0000                    C5165_6    C516565165001                    BRAZOS
RIVER AUTHORITY                    NAVASOTA RIVER                    0803000000    NAEA66    10
WSLMSTNE 185502.                    0
PX 1
WR516531    2.    MIN319740506    1    2    0.0000                    C5165_7    C516565165001                    BRAZOS
RIVER AUTHORITY                    NAVASOTA RIVER                    0803000000    NAEA66    10
WSLMSTNE 185502.                    0
PX 1
WR516531    0.0    UNIFO19790904    1    2    0.0000                    C5165_8    C516565165001                    BRAZOS
RIVER AUTHORITY                    NAVASOTA RIVER                    0803000000    NAEA66    10
WSLMSTNE 185502.                    0
PX 1
** SysOp Change:
** Calculate the total depletion for water right 5165.
WRSR5165    19740506                    Compute Dep 5165    SYSTEM
TO 6    1.0    ADD                    C5165_1    CONT
TO 6    1.0    ADD                    C5165_2    CONT
TO 6    1.0    ADD                    C5165_3    CONT
TO 6    1.0    ADD                    C5165_4    CONT
TO 6    1.0    ADD                    C5165_5    CONT
TO 6    1.0    ADD                    C5165_6    CONT
TO 6    1.0    ADD                    C5165_7
PX 4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to the regulated flow. In the first pass, the regulated flow is the depletion from the reservoir. In the second pass,
** the depletion is limited to the first pass (base run)
WRSR5165    9999999    19740506                    Depletion 5165    SYSTEM
PX 5

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**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
WR516531      19740506      1.0000  5165DP      Lumped Dep 5165  SYSTEM lsimdep
TO      11      1.0      ADD      Depletion 5165
PX      2
**
** Junior Priority
**
** SysOp Change:
** Calculate the total depletion for water right 5165. At junior priority
WRSR5165      19790904      Compute Dep5165b  SYSTEM
TO      6      1.0      ADD      C5165_8
PX      4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
WRSR5165 9999999      19790904      Depletion 5165b  SYSTEM
PX      5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass) for the junior priority.
WR516531      19790904      1.0000  5165DP      Lumped Dep 5165b  SYSTEM lsimdep
TO      11      1.0      ADD      Depletion 5165b
PX      2
** Special code to output storage from first simulation
WRLS_dum      19790904      1simLSstor      look
TO      4      SET      LMSTNE
PX      4
WRLS_dum 9999999 XMONTH19790904      2simLSstor      look
PX      5
** - End modeling Lake Limestone.
** end FNI change
**
WR536731      0.0  UNIFO19740225      1  2  0.0000      C5367_1  C536765367301      BERT
WHEELER      BEAR CRK      0783160000  NAEA66      10
WSRC5367      1298.  0.5228  0.8206      0  0
**WR/WS/SO/IF Records added/changed for P5160, CAMP COOLEY LTD.
WR5160P1      0.0  D&L319871002      1  2  0.0000      P5160_1  P516015160301      CAMP
COOLEY LTD.      STEELE CRK      0782000000  NAEA66      10
WSRP5160      609.  0.5228  0.8206      0  0
WR516032      0.0  D&L319871002      1  2  0.0000      P5160_2  P516015160302      CAMP
COOLEY LTD.      STEELE CRK      0782000000  NAEA66      10
WSP51602      314.  0.5228  0.8206      0  0
WR529731      0.0  UNIFO19720403      1  2  0.0000      C5297_1  C529765297301      CAMP
COOLEY LTD      BEAR CRK      0783150000  NAEA66      10
WSRC5297      420.  0.5228  0.8206      0  0
IF529831      180.  IFD10319740701      1  1  0.0000      IFC5298_1
WR529831      13200.  IND319740701      1  2  0.0000      C5298_1  C529865298001      TEXAS
UTILITIES ELECTRIC CO      DUCK CRK      0780900000  NABR67      10
WSTWNOAK      28186.
WR529931      0.0  UNIFO19760830      1  2  0.0000      C5299_1  C529965299301      JAMES
DENNISON ETAL      CLEAR CRK      0780300000  NABR67      10
WSRC5299      159.  0.5228  0.8206      0  0
WR429601      120.  IRR319850806      1  2  0.0000      P4296_1  P429614296001      HORIZON
LAND & CATTLE CO      PIGEON ROOST CRK      0780200000  NABR67      10
WR429602      0.  IRR319850806      1  2  0.0000      P4296_2  P429614296002      HORIZON
LAND & CATTLE CO      PIGEON ROOST CRK      0780200000  NABR67      10
SO      BACKUP
WR429603      0.  IRR319850806      1  2  0.0000      P4296_3  P429614296003      HORIZON
LAND & CATTLE CO      PIGEON ROOST CRK      0780200000  NABR67      10
SO      BACKUP
WR530031      0.0  UNIFO19550411      1  2  0.0000      C5300_1  C530065300301      DAVID
PATE ET UX      MILL CRK      0780000000  NABR67      10
WSRC5300      290.  0.5228  0.8206      0  0
WR530131      0.0  UNIFO19480614      1  2  0.0000      C5301_1  C530165301301      CAMP
CREEK WATER CO.      CAMP CRK      0775000000  NABR67      10
WSCAMCRK      5612.
WR530231      0.0  UNIFO19690825      1  2  0.0000      C5302_1  C530265302301      HILLTOP
LAKES RESORT CITY      RUNNING CRK      0767000000  NABR67      10
WSRC5302      976.  0.5228  0.8206      0  0
WR530232      0.0  UNIFO19740528      1  2  0.0000      C5302_2  C530265302302      HILLTOP
LAKES RESORT CITY      RUNNING CRK      0767000000  NABR67      10
WSC53021      465.  0.5228  0.8206      0  0
WR530331      0.0  UNIFO19750203      1  2  0.0000      C5303_1  C530365303301      CITY
OF NORMANGEE      RUNNING CRK      0766900000  NABR67      10
WSRC5303      360.  0.5228  0.8206      0  0
WR530431      0.0  UNIFO19761012      1  2  0.0000      C5304_1  C530465304301      JOINT
TEXAS DIVISION OF ETC      RAYLEIGH      0756750000  BRHE68      10
WSRC5304      210.  0.5228  0.8206      0  0

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WR530531	0.0	UNIFO19770117	1	2	0.0000		C5305_1	C530565305301		GERALD
S PITTS LTD NO 1		ALLCORN						0749000000 BRHE68	10	
WSRC5305	272.	0.5228 0.8206			0					
WR530631	0.0	UNIFO19750428	1	2	0.0000		C5306_1	C530665306301		SELECTED
LANDS LTD NO 18		NAVASOTA RIVER						0747750000 BRHE68	10	
WSRC5306	216.	0.5228 0.8206			0					
WR530831	12.0	IRR319760927	1	2	0.0000		C5308_1	C530865308001		BRIARCREST
COUNTRY CLUB INC		BRIAR						0747140000 BRHE68	10	
WSRC5308	12.0	0.5228 0.8206			0					
WR530831	0.0	UNIFO19760927	1	2	0.0000		C5308_2	C530865308301		BRIARCREST
COUNTRY CLUB INC		BRIAR						0747140000 BRHE68	10	
WSRC5308	12.0	0.5228 0.8206			0					
** Do not model. This right is is for clean up of arsenic from Finfeather Lake only.										
** The water is diverted, ran through a WTP and immediately returned to the diversion point.										
**WR542201	119.	UNIFO19920610	1	2	0.0000		P5422_1	P542215422001		ELF
ATOCHEM NORTH AMERICA INC		UNNAMED TRIB						0747135000 BRHE68	B 10	
WR530931	0.0	UNIFO19750106	1	2	0.0000		C5309_1	C530965309301		CITY
OF BRYAN		BURTON CRK						0747130000 BRHE68	10	
WSRC5309	73.0	0.5228 0.8206			0					
WR535731	0.0	UNIFO19910411	1	2	0.0000		P5357_1	P535715357301		"COLLEGE
STATION, CITY OF"		WOLF PEN CRK						0747070000 BRHE68	10	
WSRP5357	13.4	0.5228 0.8206			0					
WR534531	0.0	UNIFO19910208	1	2	0.0000		P5345_1	P534515345301		TAC
REALTY INC		CARTERS CRK						0747010000 BRHE68	10	
WSRP5345	14.0	0.5228 0.8206			0					
WR531031	0.0	UNIFO19690106	1	2	0.0000		C5310_1	C531065310301		CARTER
LAKE HOME OWNERS CORP		CARTER CRK						0747000000 BRHE68	10	
WSRC5310	481.	0.5228 0.8206			0					
WR513232	0.0	IND319870513	1	2	0.0000		P5132_1	P513215132001		TEXAS
MUNICIPAL POWER AGENCY		(HEIFER) NAVASOTA						0746500000 BRHE68	B 10	
WSP51320	879.	0.5228 0.8206			0					
WR513231	0.0	IND319870513	1	2	0.0000		P5132_2	P513215132001		TEXAS
MUNICIPAL POWER AGENCY		(HEIFER) NAVASOTA						0746500000 BRHE68	B 10	
WSP51321	382.	0.5228 0.8206			0					
WR513233	0.0	IND319870513	1	2	0.0000		P5132_3	P513215132001		TEXAS
MUNICIPAL POWER AGENCY		(HEIFER) NAVASOTA						0746500000 BRHE68	B 10	
WSP51322	747.	0.5228 0.8206			0					
**WR513241	0.0	IND319870513	1	2	0.0000		P5132_4	P513215132001		TEXAS
MUNICIPAL POWER AGENCY		(HEIFER) NAVASOTA						0746500000 BRHE68	B 10	
**WSP51323	150.	0.2710 0.8958			0					
IFP557021	40905.	IFD10119970117			1	IFP5570_1				
WR557021	365.	IRR319970117	1	2	0.0000		P5570_1	P557015570201		DAVID
MOODY TRUSTEE ET AL		NAVASOTA RIVER						0746450000 BRHE68	10	
WR532931	325.	IRR319901116	1	2	0.0000		P5329_1	P532915329002		PEBBLE
CREEK COUNTRY CLUB INC		CARTERS CRK						0746400000 BRHE68	10	
WSRP5329	16.0	0.5228 0.8206			0					
WR532931	0.	IRR319901116	1	2	0.0000		P5329_2	P532915329002		PEBBLE
CREEK COUNTRY CLUB INC		CARTERS CRK						0746400000 BRHE68	10	
WSRP5329	16.0	0.5228 0.8206			0					
SO		325. 532902								
WR532931	0.0	UNIFO19901116	1	2	0.0000		P5329_3	P532915329002		PEBBLE
CREEK COUNTRY CLUB INC		CARTERS CRK						0746400000 BRHE68	10	
WSRP5329	16.0	0.5228 0.8206			0					
WR538531	140.	D&L319910919	1	2	0.0000		P5385_1	P538515385301		NANTUCKET
LTD		ALUM CRK						0746300000 BRHE68	10	
WSRP5385	140.	0.5228 0.8206			0					
WR508131	0.0	UNIFO19860806	1	2	0.0000		P5081_1	P508115081301		BRAZOS
COAL LIMITED		LICK CRK						0746200000 BRHE68	10	
WSRP5081	26.	0.5228 0.8206			0					
WR508132	0.0	UNIFO19860806	1	2	0.0000		P5081_2	P508115081302		BRAZOS
COAL LIMITED		LICK CRK						0746200000 BRHE68	10	
WSP50811	22.	0.5228 0.8206			0					
WR508133	0.0	UNIFO19860806	1	2	0.0000		P5081_3	P508115081303		BRAZOS
COAL LIMITED		LICK CRK						0746200000 BRHE68	10	
WSP50812	58.	0.5228 0.8206			0					
WR531431	0.0	UNIFO19741021	1	2	0.0000		C5314_1	C531465314301		WELLBORN
OAKS DEVELOPMENT CO		PIN OAK CRK						0746100000 BRHE68	10	
WSRC5314	230.	0.5228 0.8206			0					
WR547331	10.0	IND319931119	1	2	0.0000		P5473_1	P547315473001		TEXAS
MUNICIPAL POWER AGENCY		SULPHUR CRK						0745900000 BRHE68	10	
WSRP5473	6.0	0.5228 0.8206			0					
** Certificate 5307 is authorized only to supplement diversions and storage at Gibbons Creek plant,										
** authorized under Certificate 5311.										
IF531131	362.	UNIFO19770222			1	IFC5311_1				
** Instream flow requirement for C5307 are similar to Hale Clause requirements, but only										
** reference Lake Limestone and do not reference USGS gages.										
IF530701	17022.	IFD10419801215			1	IFC5307_1				
WR531131	9740.	IND319770222	1	2	0.0000		C5311_1	TMPAGIB65311001		TEXAS
MUNICIPAL POWER AGENCY		GIBBONS CRK						0745850000 BRHE68	10	
WSGIBCRK	24764.				0					
**Revision 12/29/05										
WR531131	0.	IND319801215	1	2	0.0000		C5307_1	TMPAGIB65311001		
WSGIBCRK	24764.				0					
SO	1500.	2400. 530701								
		BACKUP								

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WR531131	0.0	IND319890309	1	2	0.0000		C5311_2	TMPAGIB65311001				TEXAS
MUNICIPAL POWER AGENCY						GIBBONS CRK		0745850000	BRHE68	10		
WSGIBCRK	24764.											
SO						BACKUP						
WR531131	0.	IND319890309	1	2	0.0000		C5307_2	TMPAGIB65311001				TEXAS
MUNICIPAL POWER AGENCY						NAVASOTA RIVER		0747180000	BRHE68	10		
WSGIBCRK	24764.											
SO		3600.	DUMMY1			BACKUP						
WR530701	18000.		19890308			1.0000	DUMMY1					
TO	6	-1	ADD	0.01				C5307_1				
WRDUMMY1			19890309			1.0000	530701					
TO	2	1.0						C5307_4	TMPAGIB			
WR530701	0.	IND319801215	1	2	0.0000		C5307_3	TMPAGIB65307001				TEXAS
MUNICIPAL POWER AGENCY						NAVASOTA RIVER		0747180000	BRHE68	10		
WSRC5307	17.0	0.5228	0.8206			0	0					
WR531231	200.	MIN319820524	1	2	0.0000		C5312_1	C531265312001				TEXAS
MUNICIPAL POWER AGENCY						BIG BR		0745800000	BRHE68	B 10		
WSRC5312	92.0	0.4897	0.7633			0	0					
WR545831	100.	IND319930405	1	2	0.0000		P5458_1	P545815458001				TEXAS
MUNICIPAL POWER AGENCY						PEACH CRK		0745780000	BRHE68	B 10		
WSRP5458	253.	0.5228	0.8206			0	0					
WR545831	0.0	UNIFO19930405	1	2	0.0000		P5458_2	P545815458001				TEXAS
MUNICIPAL POWER AGENCY						PEACH CRK		0745780000	BRHE68	B 10		
WSRP5458	253.	0.5228	0.8206			0	0					
WR505331	0.0	MIN319860403	1	2	0.0000		P5053_1	P505315053301				TEXAS
MUNICIPAL POWER AGENCY						ROCK LAKE CRK		0745750000	BRHE68	B 10		
WSRP5053	5.	0.5228	0.8206			0	0					
WR505332	0.0	MIN319860403	1	2	0.0000		P5053_2	P505315053302				TEXAS
MUNICIPAL POWER AGENCY						ROCK LAKE CRK		0745750000	BRHE68	B 10		
WSP50531	955.	0.5228	0.8206			0	0					
WR505333	0.0	MIN319860403	1	2	0.0000		P5053_3	P505315053303				TEXAS
MUNICIPAL POWER AGENCY						ROCK LAKE CRK		0745750000	BRHE68	B 10		
WSP50531	955.	0.5228	0.8206			0	0					
WR505334	0.0	MIN319860403	1	2	0.0000		P5053_4	P505315053304				TEXAS
MUNICIPAL POWER AGENCY						ROCK LAKE CRK		0745750000	BRHE68	B 10		
WSP50532	1.	0.5228	0.8206			0	0					
WR505335	0.0	MIN319860403	1	2	0.0000		P5053_5	P505315053305				TEXAS
MUNICIPAL POWER AGENCY						ROCK LAKE CRK		0745750000	BRHE68	B 10		
WSP50534	440.	0.5228	0.8206			0	0					
WR505336	0.0	MIN319860403	1	2	0.0000		P5053_6	P505315053306				TEXAS
MUNICIPAL POWER AGENCY						ROCK LAKE CRK		0745750000	BRHE68	B 10		
WSP50535	5.	0.5228	0.8206			0	0					
WR531331	0.0	UNIFO19710809	1	2	0.0000		C5313_1	C531365313301				TEXAS
MUNICIPAL POWER AGENCY						GIBBONS CRK		0745700000	BRHE68	10		
WSRC5313	519.	0.5228	0.8206			0	0					
WR535431	200.	IND319910401	1	2	0.0000		P5354_1	P535415354001				TEXAS
MUNICIPAL POWER AGENCY						UNNAMED TRIB		0745651000	BRHE68	10		
WSRP5354	191.	0.5228	0.8206			0	0					
IF556601	35780.	IFD10219970115				1						
IF556601	35780.	IFD10219970115				1						
WR556641	250.	IRR319970115	1	2	0.0000		P5566_1	P556615566001				STEWART
& MARY THOMPSON & TRUST						NAVASOTA RIVER		0743800000	BRHE68	10		
WSRP5566	7.0	0.2710	0.8958			0	0					
SO	66.	250.	556601									
WR556601	0.	IRR319970115	1	2	0.0000		P5566_2	P556615566001				STEWART
& MARY THOMPSON & TRUST						NAVASOTA RIVER		0743800000	BRHE68	10		
WR528613	218.	IRR319561231	1	2	0.0000		C5286_1	C528665286103				JOYCE
ANN FREDE						NAVASOTA RIVER		0743500000	BRHE68	10		
WR528613	232.	IRR319821220	1	2	0.0000		C5286_2	C528665286103				JOYCE
ANN FREDE						NAVASOTA RIVER		0743500000	BRHE68	10		
WR528611	259.	IRR319821220	1	2	0.0000		C5286_3	C528665286101				JOYCE
ANN FREDE						BRAZOS RIVER		0743500000	BRHE68	10		
WR528612	258.5	IRR319821220	1	2	0.0000		C5286_4	C528665286102				WILLIE
BALDOBINO ET UX						BRAZOS RIVER		0743500000	BRHE68	10		
** HALE CLAUSE												
IFBRHE68	557820.	IFD11119821220	1	1			IFC5285_1					
WR528512	752.	IRR419821220	1	2	0.0000		C5285_1	C528565285102				WILLIAM
J TERRELL ET AL						BRAZOS RIVER		1117810000	BRHE68	11		
** HALE CLAUSE												
IFBRHE68	557820.	IFD11119821220	1	1			IFP4011_1					
WR401111	905.	IRR419821220	1	2	0.0000		P4011_1	P401114011101				ROBERT
HARRY MOORE						BRAZOS RIVER		1117750000	BRHE68	11		
WR401111	498.	IRR419821220	1	2	0.0000		P4011_2	P401114011101				MELANIE
MOORE KOLBY ET AL						BRAZOS RIVER		1117750000	BRHE68	11		
** HALE CLAUSE												
**IFBRHE68	557820.	IFD11119821220				1	IFP4016_1					
**WR401631	43.	IRR419821220	1	2	0.0000		P4016_1	P401614016001				TOM
J. MOORE FARMS						BRAZOS RIVER		1117700000	PPSA28	11		
IFBRHE68	557820.	IFD11119821220	1	1			IFP4016_1					
WR401611	4450.	IRR419821220	1	1			P4016_2	P401614016101				TOM
J. MOORE FARMS						BRAZOS RIVER		1117700000	BRHE68	11		
** FNI change - 1 in cc 34												
IFBRHE68	0	IFD11119821220	1	1			IFP4016_2					
WRP40161	4450	IRR419821220	1	1			P4016_1	P401614016101				
TO	11	SUB					P4016_2					

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WSRP4016 43.0 0.5228 0.8206 0 0
SO
** FNI change - 1 in cc 34
IFBRHE68 557820. IFD11119821220 1 1 IFP4016_3
** HALE CLAUSE
IFBRHE68 613616. IFD11219840313 1 1 IFP4016_4
**WR401631 990. IRR419840313 1 2 0.0000 P4016_3 P401614016001 TOM
J. MOORE FARMS BRAZOS RIVER 1117700000 PPSA28 11
WR401611 990. IRR419840313 1 2 0.0000 P4016_3 P401614016001 TOM
J. MOORE FARMS BRAZOS RIVER 1117700000 PPSA28 11
WR531531 0.0 UNIFO19720214 1 2 0.0000 C5315_1 C531565315301 NAVASOTA
FISHING CLUB INC BARTLETT 0741610000 BRHE68 11
WSRC5315 170. 0.5228 0.8206 0 0
IFBRHE68 613616. IFD11219900403 1 1 IFP5290_1
WRP52901 250. IRR419900403 1 2 0.0000 P5290_1 P529015290001 TEXAS
DEPT OF CRIMINAL JUSTICE BRAZOS RIVER 0741400000 BRHE68 11
WSRP5290 30.0 0.5228 0.8206 0 0
WR529041 598. IRR419900403 1 2 0.0000 P5290_2 P529015290001 TEXAS
DEPT OF CRIMINAL JUSTICE BRAZOS RIVER 0741400000 BRHE68 11
WSR52901 277. 0.5228 0.8206 0 0
SO 598. 529003
WR561631 0.0 UNIFO19980930 1 2 0.0000 P5616_1 P561615616301 PROTESTANT
EPISCOPAL CHRCH COU BEASON CRK 0740700000 BRHE68 A 11
WSRP5616 730.3 0.5228 0.8206 0 0
WR531634 0.0 UNIFO19800407 1 2 0.0000 C5316_1 C531665316304 CHAPPELL
HILLS INC LTL CEDAR 0738540000 BRHE68 11
WSRC5316 56.0 0.8475 0.6756 0 0
WR531731 0.0 UNIFO19750728 1 2 0.0000 C5317_1 C531765317301 ROLLING
HILLS PROPERTY OWNERS GLADISH 0737980000 BRRI70 11
WSRC5317 39.0 0.8475 0.6756 0 0
WR531831 0.0 UNIFO19760517 1 2 0.0000 C5318_1 C531865318301 G
M BECKER CLEAR CRK 0737970000 BRRI70 11
WSRC5318 324. 0.5228 0.8206 0 0
** HALE CLAUSE
IFBRHE68 557820. IFD11119830418 1 1 IFP4009_1
WRP40091 135.66 IRR419830418 1 2 0.0000 P4009_1 P400914009001 C
H & BETTY JEAN WILLIAMSON BRAZOS RIVER 0737740000 BRRI70 11
** HALE CLAUSE
IFBRRI70 554696. IFD11619850806 1 1 IFP4280_1
WR428001 10.0 IND419850806 1 2 0.0000 P4280_1 P428014280001 ACME
BRICK COMPANY BRAZOS RIVER 0734800000 BRRI70 11
**
** ALLENS CREEK - Removed for current supplies analysis
**
** Use dummy water rights to check if diversions can be made under the 2 highest levels of instream
** flow requirements. Return flows diverted by dummy rights to same control point from which diverted
** to preserve mass balance.
** WR/WS/IF/SO/TO Records Changed
**IF 2925A 2604379 MEDIAN19990901 1 1
**WR 2925A 12.0 19990901 1 1 1.0 2925A METEST ALLENS12925001
**IF 2925A 0 MEDIAN19990901 1 1
**
**IF 2925A 1076933 25THPT19990901 1 1
**WR 2925A 12.0 19990901 1 1 1.0 2925A 25TEST ALLENS12925001
**IF 2925A 0 25THPT19990901 1 1
**
** Utilize diversions made by dummy water rights to set the appropriate instream flow
** requirement for median and 25th percentile flows. Since WRAP model protects downstream
** water rights, IF requirement to protect downstream senior rights is unnecessary and is
** commented out.
**MEDIAN IF
**IF 2925D 2604379 MEDIAN19990901 1 1 MEDIAN-REG
**TO 6 LIM 0.1 10.0 METEST
**25TH PERCENTILE IF
**IF 2925C 1076933 25THPT19990901 1 1 25THPT-REG
**TO 6 LIM 0.1 10.0 25TEST
**WATER QUALITY PROTECTION (7Q2) IF
**IF 2925A 531399 7Q219990901 1 1 7Q2-REG
**
-----
**WR292531 99650 MUN419990901 1 1 ALLENS_1 ALLENS12925001 TEXAS
WATER DEVELOPMENT BOARD ALLENS CRK 0724750000 BRRI70
**WSALLENS 145533
**PX 1
** ALLENS CREEK PUMP FROM BRAZOS RIVER
**WR292531 0 MUN419990901 1 1 TESTWR1 ALLENS
**WSALLENS 145533
**SO 130680 202000 292504 BACKUP
**PX 3
** SysOp Change:
** Calculate the total depletion for water right 2925.
**WRSR2925 19990901 Compute Dep 2925 SYSTEM
**TO 6 1.0 ADD ALLENS_1
**PX 4
    
```

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**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to the regulated flow. In the first pass, the regulated flow is the depletion from the reservoir. In the second pass,
** the depletion is limited to the first pass (base run)
**WRSR2925 9999999      19990901      Depletion 2925  SYSTEM
**PX      5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WR292531      19990901      1.0000  2925DP      Lumped Dep 2925  SYSTEM 1simdep
**TO      11      1.0      ADD      Depletion 2925
**PX      2
**
** Special code to output storage from first simulation
**WRAC_dum      19990901      1simACstor      look
**TO      4      SET      ALLENS
**PX      4
**WRAC_dum      9999999  XMONTH19990901      2simACstor      look
**PX      5
** end FNI change
**
*****
IF423204      362.      UNIFO19850409      1      IFP4232_1
WR423231      884.      IRR419850409      1  2  0.0000      P4232_1  P423214232001      TWINWOOD
CORP NV ET AL      BRAZOS RIVER      0724000000  BRRI70      11
WSRP4232      1481.7  0.5228  0.8206      0      0
WR423231      0.0      UNIFO19860411      1  2  0.0000      P4232_2  P423214232001      TWINWOOD
CORP NV ET AL      BRAZOS RIVER      0724000001  BRRI70      11
WSRP4231      1488.8  0.5228  0.8206      0      0
WR531931      117.      IRR419630531      1  2  0.0000      C5319_1  C531965319002      WELDON
S LAAS ETAL      BESSIES      0538000000  BRRI70      11
WSRC5319      41.0    0.4897  0.7633      0      0
** C5320 is used to provide makeup water to Smithers Lake under CA 5325.
** FNI change - added backup from BRA system.
** Max recent historical use 15,671 ac-ft in 2005. Assume 12,000 ac-ft goes to irrigation and not returned
** According to NRG accounting plan, about 3,900 ac-ft goes to Brazos Valley Electric plant from this water right
** rest available for Parish plant. Backup from BRA
** Also according to NRG accounting plan, they assign diversions under this right to the Excess Flows permit if flows at
Richmond > 2,000 cfs
** Since Excess Flows is non-priority, diversions under Excess Flows will be determined externally
**WR532001 12000.      IND419261023      1  1  1.0000  D53251      C5320_1  C532065320001      RICHMOND
IRR HOUSTON LIGHTING & POWER COBRAZOS RIVER      0480000000  BRRI70      11
**WR532001 28000.      IND419261023      1  1  1.0000  D53251      C5320_2  C532065320001      RICHMOND
IRR HOUSTON LIGHTING & POWER COBRAZOS RIVER      0480000000  BRRI70      11
WR532001 12000.      IRR419261023      1  1      C5320_1  C532065320001
WR532001 3900.      IND419261023      1  1      C5320_1bve  C532065320001
WR532001 24100.      IND419261023      1  1  1.0000  D53251      C5320_2  C532065320001
** end FNI change
** HALE CLAUSE
** WR/WS/SO/IF Records added/changed for P5567, SAND SUPPLY INC.
IFBRI70 721379.      IFD11319970109  1      1      IFP5567_1
WR556712 2100.      IND419970109      1  1  0.8800      P5567_1  P556715567102      SAND
SUPPLY INC      BRAZOS RIVER      0478000000  BRRO72      11
WR511031 0.0      UNIFO19861118      1  2  0.0000      P5110_1  P511015110001      FORT
BEND COUNTY LEVEE ID #11      M BAYOU      0477000000  BRRO72      11
WSRP5110 354.      0.8475  0.6756      0      0
** Right is for redirection of flows for flood control. Do not model.
**WR517301 0.0      UNIFO19880316      1  2  0.0000      P5173_1  P517315173001      FORT
BEND COUNTY LEVEE I D #11      MIDDLE BAYOU      0476500000  BRRO72      11
** Storage for off-channel settling ponds not modeled.
** HALE CLAUSE
IFBRI70 553178.      IFD11419960507  1      1      IFP5552_1
WR555211 2300.      MIN419960507      1  1  0.9000      P5552_1  P555215552101      CSB
MATERIALS INC      BRAZOS RIVER      0450000000  BRRO72      B 11
**WSRP5552 11.3  0.5228  0.8206      0      0
** Right is for redirection of flows for flood control. Do not model.
** Changed diversion location to CON155
**WRCON155 3000.      MUN419390201      1  4  R51711  106271      C5171_1  C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000  BRRO72      11
**WRCON155 4500.      MUN419390201      1  4  R51711  104101      C5171_2  C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000  BRRO72      11
**WRCON155 19500.      MUN419390201      1  4  R51711  105685      C5171_3  C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000  BRRO72      11
**WRCON155 33750.      MUN419390201      1  4  R51711  103751      C5171_4  C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000  BRRO72      11
**WRCON155 14250.      MUN419390201      1  4  R51711  101731      C5171_5  C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000  BRRO72      11
**WRCON155 50000.      IRR419501212      1  2  0.0000      C5171_8  C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000  BRRO72      11
** FNI change - common group identifier for GCWA rights
WRCON155 3000.      MUN419390201      1  4  R51711  106271      C5171_1  C5171      gcwa
WRCON155 4500.      MUN419390201      1  4  R51711  104101      C5171_2  C5171      gcwa

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WRCON155	19500.	MUN419390201	1	4	R51711	105685	C5171_3	C5171	gcwa		
WRCON155	33750.	MUN419390201	1	4	R51711	103751	C5171_4	C5171	gcwa		
WRCON155	14250.	MUN419390201	1	4	R51711	101731	C5171_5	C5171	gcwa		
WRCON155	0.0	IND419390201	1	2	0.0000		C5171_6	C517165171002			GULF
COAST WATER AUTHORITY		BRAZOS RIVER						0420000000	BRRO72	11	
WRCON155	0.0	MIN419390201	1	2	0.0000		C5171_7	C517165171002			GULF
COAST WATER AUTHORITY		BRAZOS RIVER						0420000000	BRRO72	11	
WRCON155	50000.	IRR419501212	1	2	0.0000		C5171_8	C5171	gcwa		
** This right authorizes two off-channel reservoirs (7308 acft from which diversions can be made for multi-uses; 65 acft for emergency fire fighting). The maximum that can be diverted from the Brazos River into these two reservoirs and subsequently used is 99932 acft/yr. Model both reservoirs together as a single combined reservoir because WRAP model does not have the capability to limit cumulative streamflow depletions made by more than one WR record. The reservoir storage has priority dates junior to the Brazos River diversion, but because the reservoirs are refilled by the Brazos River diversion, the priority of the storage is treated as identical to that of the diversion.											
** Changed diversion location to CON155											
**WR516841	1999.	MUN419260115	1	4	R51711	106271	C5168_1	C516865168001			GULF
COAST WATER AUTHORITY		BRAZOS RIVER						0400000000	SJGBC3	11	
WR516841	1999.	MUN419260115	1	4	R51711	106271	C5168_1	C5168	gcwa		
WSRC5168	7373.	0.2710	0.8958	0	0						
SO	1999.	CON155									
WR516841	2998.	MUN419260115	1	4	R51711	104101	C5168_2	C5168	gcwa		GULF
COAST WATER AUTHORITY		BRAZOS RIVER						0400000000	SJGBC3	11	
WSRC5168	7373.	0.2710	0.8958	0	0						
SO	2998.	CON155									
WR516841	12991.	MUN419260115	1	4	R51711	105685	C5168_3	C5168	gcwa		GULF
COAST WATER AUTHORITY		BRAZOS RIVER						0400000000	SJGBC3	11	
WSRC5168	7373.	0.2710	0.8958	0	0						
SO	12991.	CON155									
WR516841	22485.	MUN419260115	1	4	R51711	103751	C5168_4	C5168	gcwa		GULF
COAST WATER AUTHORITY		BRAZOS RIVER						0400000000	SJGBC3	11	
WSRC5168	7373.	0.2710	0.8958	0	0						
SO	22485.	CON155									
WR516841	9493.	MUN419260115	1	4	R51711	101731	C5168_5	C5168	gcwa		GULF
COAST WATER AUTHORITY		BRAZOS RIVER						0400000000	SJGBC3	11	
WSRC5168	7373.	0.2710	0.8958	0	0						
SO	9493.	CON155									
WR516841	49966.	IND419260115	1	2	0.0000		C5168_6	C5168	gcwa		GULF
COAST WATER AUTHORITY		BRAZOS RIVER						0400000000	BRRO72	11	
WSRC5168	7373.	0.2710	0.8958	0	0						
SO	49966.	CON155									
WR516841	0.0	IRR419260115	1	2	0.0000		C5168_7	C5168	gcwa		GULF
COAST WATER AUTHORITY		BRAZOS RIVER						0400000000	BRRO72	11	
WSRC5168	7373.	0.2710	0.8958	0	0						
SO		CON155									
** end FNI change											
** This right authorizes a 200,000 acft/yr IBT to the San Jacinto-Brazos Coastal Basin from BRA reservoir releases. This is not in addition to those diversions already authorized for the BRA reservoirs. Do not model.											
**WR516701	30000.	MUN4	1	2	0.0000		C5167_1	C516765167001			BRAZOS
RIVER AUTHORITY		BRAZOS RIVER						0395000000	BRRO72	11	
**WR516701	170000.	IND4	1	2	0.0000		C5167_2	C516765167001			BRAZOS
RIVER AUTHORITY		BRAZOS RIVER						0395000000	BRRO72	11	
** Do not model this right. This ""excess flows"" right essentially eliminates the need for the BRA to release stored water from system reservoirs to lower basin customers, if the flow is available in the river. Leave this right in the model, but with zero annual authorized diversion in order to determine availability of excess flows.											
WR516601	0.0	MUN4	1	2	0.0000		C5166_1	C516665166001			BRAZOS
RIVER AUTHORITY		BRAZOS RIVER						0390000000	BRRO72	11	
** Do not model three off-channel reservoirs. Reservoirs are only to be used for buffering purposes to improve pumping efficiency of water diverted from the Brazos River -- there is no right for perpetual impoundment of Brazos River water. Amendments A & B to C5322 state that the reservoirs are authorized to impound water for industrial fish farming purposes; however, the water available for perpetual impoundment is available from sources other than authorized under the certificate.											
** Based upon paragraph (4) of the SPECIAL CONDITIONS, a constant 406 cfs instream flow restriction is to be used for hydrologic analyses in order to protect existing rights. Special condition A.(1) states a 15 cfs or 5 cfs instream flow restriction when diversions will not be injurious to senior downstream rights. The WRAP model protects senior downstream rights, so use the lower instream flow requirement (5/15 cfs).											
** Added municipal use to reflect multiple uses authorized by amendment.											
IFBRRO72	6655.	IFD11519290208	1				IFC5322_1				
** FNI change - common GCWA group identifier											
**WR532201	40000.	MUN419290208	1	2	0.0000		C5322_1	C532265322001			CHOCOLATE
BAYOU WATER CO		BRAZOS RIVER						0235000000	BRRO72	11	
**WR532201	40000.	MUN419550314	1	2	0.0000		C5322_4	C532265322001			CHOCOLATE
BAYOU WATER CO		BRAZOS RIVER						0235000000	BRRO72	11	
**WR532201	75000.	MUN419830725	1	2	0.0000		C5322_6	C532265322001			CHOCOLATE
BAYOU WATER CO		BRAZOS RIVER						0235000000	BRRO72	11	
WR532201	40000.	MUN419290208	1	2	0.0000		C5322_1	C5322	gcwa		
WR532201	40000.	MUN419550314	1	2	0.0000		C5322_4	C5322	gcwa		
WR532201	75000.	MUN419830725	1	2	0.0000		C5322_6	C5322	gcwa		
** end FNI change											

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** Water right includes a 550 acft off-channel reservoir. The annual diversion from the Brazos River can either be used directly or stored in the reservoir for subsequent use. Because the reservoir storage is in excess of what can be diverted from the Brazos River, do not model the storage because the reservoir can never be refilled while meeting the irrigation use. Inspection of water use records for this right indicate a fairly uniform diversion pattern for the months it is allowed to divert. Therefore, model this right with an ML record for the months it is allowed to divert from the Brazos River and do not model the reservoir storage.

WR532301	112.	IRR419650330	1	2	0.0000		C5323_1	C532365323001			BEVERLY
T MCDONALD ETAL						BRAZOS RIVER		0230000000	BRRO72	11	
ML	410.	370.	410.	0.	0.	0.	0.	410.	397.	410.	
**WSRC5323	550.	0.2710	0.8958	0	0						
** Two off-channel reservoirs combined into one. Diversions to replenish evaporative losses limited to effluent discharges from the City of Rosenberg on Seabourne Creek.											
WR560641	0.0	UNIFO19980224	1	2	0.0000		P5606_1	P560615606001			CITY
OF ROSENBERG						SEABOURNE CRK		0228000000	BRRO72	A 11	
WSP56061	34.9	0.2710	0.8958	0	0						
SO		18.1	106072								
WR532431	0.0	UNIFO19550711	1	2	0.0000		C5324_1	C532465324301			MARY
ANN CARRICO						BIG CRK		0225000000	BRRO72	11	
WSRC5324	500.	0.5228	0.8206	0	0						
** This right includes the capacity to consumptively use up to 34,300 acft from Smithers Lake. However, only 28,711 acft can be water originating from the Smithers Ck. watershed--the remaining must come from other sources, i.e. purchased from the BRA or diverted under CA 12-5320 into the reservoir. Model diversion from the watershed limited to 28,711 acft, and back up this diversion with additional water from a dummy control point that receives water diverted by CA 12-5320 at an earlier priority.											
WR532531	8000.	IND419551216	1	2	0.0000		C5325_1	C532565325001			HOUSTON
L&P CO-PARISH						DRY CRK		0220000000	BRRO72	11	
WSSMTHRS	17979.				0						
WR532531	20711.	IND419781010	1	2	0.0000		C5325_2	C532565325001			HOUSTON
L&P CO-PARISH						DRY CRK		0220000000	BRRO72	11	
WSSMTHRS	17979.				0						
SO						BACKUP					
WR532531	5589.	IND419781010	1	2	0.0000		C5325_3	C532565325001			HOUSTON
L&P CO-PARISH						DRY CRK		0220000000	BRRO72	11	
WSSMTHRS	17979.				0						
SO		D53251				BACKUP					
** Do not model--flood control diversion from tributary that returns downstream to the Brazos River.											
**WR511501	0.0	UNIFO19861218	1	2	0.0000		P5115_1	P511515115001			FORT
BEND CO. DRAINAGE DIST.						BIG CRK		0217000000	BRRO72	11	
WR532631	0.	UNIFO19781211	1	2	0.0000		C5326_1	C532665326001			TEXAS
PARKS & WILDLIFE DEPT						BIG CRK		0213500000	BRRO72	11	
WSRC5326	854.	0.5228	0.8206	0	0						
WR532631	0	UNIFO19781211	1	2			C5326_2	C532665326002			
WSRC5326	854	0.5228	0.8206								
SO		310	532601			BACKUP					
WR532701	746.	IRR419400424	1	2	0.0000		C5327_1	C532765327001			TEXAS
DEPT OF CRIMINAL JUSTICE						BRAZOS RIVER		0213000000	BRGM73	11	
** HALE CLAUSE											
IFBRR170	553178.	IFD11419840131	1	1			IFP4105_1				
WR410541	0.	UNIFO19840131	1	2	0.0000		P4105_1	P410514105001			BRAZOS
RIVER CLUB						BRAZOS RIVER		0189210000	BRGM73	11	
WSRP4105	3400.	0.2710	0.8958	0	0						
SO		1500.	P41051								
WR410541	0.	UNIFO19890915	1	2	0.0000		P4105_2	P410514105001			BRAZOS
RIVER CLUB						BRAZOS RIVER		0189210000	BRGM73	11	
WSRP4105	3400.	0.2710	0.8958	0	0						
SO		1500.	P41051								
WR536541	0.0	UNIFO19701005	1	2	0.0000		C5365_1	C536565365001			CLT
PROPERTIES INC						BRAZOS RIVER unnamed trib of Varner Creek		0189150000	BRGM73	11	
WSRC5365	2563.0	0.2710	0.8958								
SO		184.	536501								
WR549231	1800.	IRR419480115	1	2	0.0000		C5492_1	C549265492001			T
L SMITH TRUST ET AL						VARNERS CRK		0180000000	BRGM73	11	
WSEGLNST	11315.				0						
WR549231	0.0	UNIFO19480115	1	2	0.0000		C5492_2	C549265492001			T
L SMITH TRUST ET AL						VARNERS CRK		0180000000	BRGM73	11	
WSEGLNST	11315.				0						
WR532941	500.	UNIFO19540607	1	2	0.0000		C5329_1	C532965329001			W C
KELLY JR TRUSTEE						BRAZOS RIVER		0150000000	BRGM73	11	
WSRC5329	2000.	0.2710	0.8958	0	0						
SO		2000.	532901								
** This right can only divert into the off channel reservoir September 15 through May 15.											
WR533041	0.	UNIFO19560730	1	2	0.0000		C5330_1	C533065330001			"TROY
LAKE, INC"						BRAZOS RIVER		0135000000	BRGM73	11	
WSRC5330	342.	0.2710	0.8958	0	0						
SO		114.	533001								
ML	114.	114.	114.	57.	0.	0.	0.	57.	114.	114.	
** This right can transfer all or part of 45000 acft/yr (municipal) into San Jacinto-Brazos Coastal Basin or Brazos-Colorado Coastal Basin from the Brazos River Basin. Because the actual IBT amount is not specified, this IBT is not modeled, except for flows returned to points 105481 and 100441 in the San Jacinto-Brazos Coastal Basin.											

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WR536602 11700.	MUN419600404	1	4	R53661	105481	C5366_1	C536665366002			BRAZOSPORT
WATER AUTHORITY	BRAZOS RIVER						0041000000 BRGM73	11		
WR536602 13500.	MUN419600404	1	4	R53661	100471	C5366_2	C536665366002			BRAZOSPORT
WATER AUTHORITY	BRAZOS RIVER						0041000000 BRGM73	11		
WR536602 7650.	MUN419600404	1	4	R53661	108821	C5366_3	C536665366002			BRAZOSPORT
WATER AUTHORITY	BRAZOS RIVER						0041000000 BRGM73	11		
WR536602 12150.	MUN419600404	1	4	R53661	100441	C5366_4	C536665366002			BRAZOSPORT
WATER AUTHORITY	BRAZOS RIVER						0041000000 BRGM73	11		
** The right can divert up to 238,156 acft/yr from the Brazos River to be used directly for										
** municipal, industrial and domestic and livestock purposes. The water diverted from the										
** Brazos River can also be impounded in the off-channel Harris and Brazoria Reservoirs.										
** Water diverted from the Brazos River can be passed through the reservoirs for subsequent use.										
** The certificate language is unclear whether water in excess of the 238,156 acft/yr can be										
** diverted from the Brazos River to maintain storage in Harris and Brazoria Reservoirs.										
** A priority date separate from the Brazos River diversion is provided for impoundment in Brazoria										
** Reservoir with no specification on where the diversion into the off-channel reservoir originates.										
** As the reservoirs are operated essentially as pass-through or temporary holding facilities, model										
** all diversions from the Brazos River as being used directly for the authorized purposes and do										
** not include the storage in Brazoria or Harris Reservoirs in the model.										
** The interbasin transfer of 3,136 acft/yr for municipal use by the City of Freeport from the										
** Brazos to San Jacinto-Brazos Coastal Basin, is returned to the City of Freeport's WWTP dischargin										
** to the Brazos River.										
WR532802 20000.	IND419290228	1	2	0.0000		C5328_1	C532865328002			DOW
CHEMICAL CO	BRAZOS RIVER						0040000000 BRGM73	11		
WR532802 150000.	IND419420214	1	2	0.0000		C5328_2	C532865328002			DOW
CHEMICAL CO	BRAZOS RIVER						0040000000 BRGM73	11		
**WR532841 0.0	MUN419420214	1	2	0.0000		C5328_3	C532865328001			DOW
CHEMICAL CO	BRAZOS RIVER						0040000000 BRGM73	11		
**WSHARRIS 10200.					0					
WR532832 58175.	IND419420214	1	2	0.0000		C5328_4	C532865328003			DOW
CHEMICAL CO.-SEE BRAZOS	Oyster Creek						0040000000 SJGMC4	11		
WSC53281 30.0	0.5228	0.8206			0					
WR532832 1800.	IRR419420214	1	2	0.0000		C5328_5	C532865328003			DOW
CHEMICAL CO	Oyster Creek						0040000000 SJGMC4	B 11		
WSC53281 30.0	0.5228	0.8206			0					
WR532832 25.0	UNIFO19420214	1	2	0.0000		C5328_6	C532865328003			DOW
CHEMICAL CO	Oyster Creek						0040000000 SJGMC4	B 11		
WSC53281 30.0	0.5228	0.8206			0					
WR532831 7500.	MUN419510403	1	2	0.0000		C5328_7	C532865328004			DOW
CHEMICAL CO	Buffalo Camp Bayou						0040000000 BRGM73	11		
WSC53282 600.	0.8475	0.6756			0					
**WR532842 0.0	MUN419510407	1	2	0.0000		C5328_8	C532865328002			DOW
CHEMICAL CO	BRAZOS RIVER						0040000000 BRGM73	11		
**WSBRZRIA 21700.					0					
WR532802 65000.	IND419600404	1	2	0.0000		C5328_9	C532865328002			DOW
CHEMICAL CO	BRAZOS RIVER						0040000000 BRGM73	11		
WR532802 3136.	MUN419760308	1	4	R53661	108821	C5328_10	C532865328002			DOW
CHEMICAL CO	BRAZOS RIVER						0040000000 BRGM73	B 11		
WR532802 20.	D&L419600404	1	2	0.0000		C5328_11	C532865328002			DOW
CHEMICAL CO	BRAZOS RIVER						0040000000 BRGM73	11		
** Changed priority date on mining use. Left IND and MUN commented out.										
WR533201 52000.	MIN420000714	1	2	0.0000		C5332_1	C533265332001			UNITED
STATES DEPT OF ENERGY	BRAZOS RIVER						0020000000 BRGM73	B 11		
**WR533201 135.	IND419790625	1	2	0.0000		C5332_2	C533265332001			UNITED
STATES DEPT OF ENERGY	BRAZOS RIVER						0020000000 BRGM73	11		
**WR533201 3.5	MUN419810427	1	2	0.0000		C5332_3	C533265332001			UNITED
STATES DEPT OF ENERGY	BRAZOS RIVER						0020000000 BRGM73	11		
**										
**										
** Start of San Jacinto-Brazos Coastal Basin										
**										
** Unspecified impoundment for hurricane protection, do not model. Also saline right.										
**WR533301 0.0	UNIFO19710831	1	2	0.0000		C5333_1	C533365333301			VELASCO
DRAINAGE DISTRICT	OLD BRAZOS RIVER						4440000000 SJGMC4	12		
** Saline right, do not model.										
**WR548501 280.	IND419940420	1	2	0.0000		P5485_1	P548515485001			PHILLIPS
PETROLEUM CO	BRAZOS HARBOR						4419000000 SJGMC4	12		
** Saline right, do not model.										
**WR533403 300000.	IND419400506	1	2	1.0000		C5334_1	C533465334003			DOW
CHEMICAL COMPANY	FREEPORT CHANNEL						4410000000 SJGMC4	12		
**WR533403 874000.	IND419420324	1	2	1.0000		C5334_2	C533465334003			DOW
CHEMICAL COMPANY	FREEPORT CHANNEL						4410000000 SJGMC4	12		
**WR533403 400000.	IND419440710	1	2	1.0000		C5334_3	C533465334003			DOW
CHEMICAL COMPANY	FREEPORT CHANNEL						4410000000 SJGMC4	12		
**WR533403 800000.	IND419540223	1	2	1.0000		C5334_4	C533465334003			DOW
CHEMICAL COMPANY	FREEPORT CHANNEL						4410000000 SJGMC4	12		
**WR533403 100000.	IND419570329	1	2	1.0000		C5334_5	C533465334003			DOW
CHEMICAL COMPANY	FREEPORT CHANNEL						4410000000 SJGMC4	12		
**WR533403 155000.	IND419600202	1	2	1.0000		C5334_6	C533465334003			DOW
CHEMICAL COMPANY	FREEPORT CHANNEL						4410000000 SJGMC4	12		
**WR5334031500000.	IND419631205	1	2	1.0000		C5334_7	C533465334003			DOW
CHEMICAL COMPANY	FREEPORT CHANNEL						4410000000 SJGMC4	12		

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**WR533403	80000.	IND419640708	1	2	1.0000			C5334_8	C533465334003			DOW
CHEMICAL COMPANY		FREEPORT CHANNEL		4410000000		SJGMC4	12					
** Multiple reservoirs combined into single reservoir.												
WR517007	159.27	IND419140627	1	2	0.0000			C5170_1	C517065170007			FORT
BEND COUNTY WCID 1		OYSTER CRK		4365000000		SJGMC4	12					
WR517037	18000.	MUN419480514	1	2	0.0000			C5170_2	C517065170007			FORT
BEND COUNTY WCID 1		OYSTER CRK		4365000000		SJGMC4	12					
WSRC5170	8925.	0.5228	0.8206	0	0							
** Shares reservoir(s) with C5170												
WR517037	12000.	MUN419480514	1	2	0.0000			C5169_1	C516965170001			GULF
COAST WATER AUTHORITY		OYSTER CRK		4359000000		SJGMC4	12					
WSRC5170	8925.	0.5228	0.8206	0	0							
WR517037	0.0	IND419480514	1	2	0.0000			C5169_2	C516965170001			GULF
COAST WATER AUTHORITY		OYSTER CRK		4359000000		SJGMC4	12					
WSRC5170	8925.	0.5228	0.8206	0	0							
WR517037	0.0	IRR419480514	1	2	0.0000			C5169_3	C516965170001			GULF
COAST WATER AUTHORITY		OYSTER CRK		4359000000		SJGMC4	12					
WSRC5170	8925.	0.5228	0.8206	0	0							
WR533601	100.	IRR419561105	1	2	0.0000			C5336_1	C533665336001			"THE
LAKES, LIMITED"		OYSTER CRK		4357100000		SJGMC4	12					
WR533642	0.	UNIFO19561105	1	2	0.0000			C5336_2	C533665336001			"THE
LAKES, LIMITED"		OYSTER CRK		4357100000		SJGMC4	12					
WSRC5336	442.	0.2710	0.8958	0	0							
SO		442 533601										
WR533531	1316.	IRR419561105	1	2	0.0000			C5335_1	C533565335001			"LARRY
J SCHULGEN, TRUSTEE"		OYSTER CRK		4357000000		SJGMC4	D 12					
WSRC5335	379.	0.5228	0.8206	0	0							
WR5365P1	0.0	UNIFO19910621	1	2	0.0000			P5365_1	P536515365001			"MISSOURI
CITY, CITY OF"		OYSTER CRK		4355000000		SJGMC4	12					
WSRP5365	120.	0.5228	0.8206	0	0							
WR533741	0.0	UNIFO19530610	1	2	0.0000			C5337_1	C533765337401			"FORT
BEND COUNTY, TEXAS"		NONE		4350000000		SJGMC4	12					
WSRC5337	1600.	0.2710	0.8958	0	0							
WR533811	200.	IRR419400424	1	2	0.0000			C5338_1	C533865338101			TEXAS
DEPT OF CRIMINAL JUSTICE		OYSTER CRK		4315000000		SJGMC4	12					
IF533811	46624.	UNIFO19850919	1									
IFC5338_1												
WR533841	100.	IRR419850919	1	2	0.0000			C5338_2	C533865338101			TEXAS
DEPT OF CRIMINAL JUSTICE		OYSTER CRK		4315000000		SJGMC4	12					
WSRC5338	89.6	0.2710	0.8958	0	0							
SO		100. 533811										
WR537931	0.0	UNIFO19910830	1	2	0.0000			P5379_1	P537915379301			LAKE
JACKSON ASSOCIATION		OYSTER CRK		4311000000		SJGMC4	12					
WSRP5379	380.	0.5228	0.8206	0	0							
** Saline impoundment, not modeled.												
**WR533931	0.0	UNIFO19800616	1	2	0.0000			C5339_1	C533965339301			U
S FISH & WILDLIFE SERVICE		SALT CRK		4290000000		SJGMC4	12					
**WSRC5339	750.	0.5228	0.8206	0	0							
WR502041	0.0	UNIFO19851001	1	2	0.0000			P5020_1	P502014020001			RALPH
SHUMAN		BASTROP BAYOU		4273000000		SJGMC4	12					
WSRP5020	42.53	0.5228	0.8206	0	0							
SO		30. 502001										
WR534241	400.	IRR419140629	1	2	0.0000			C5342_1	C534265342001			E C
STOKLEY TRUSTEE		BASTROP BAYOU		4268000000		SJGMC4	12					
WR534241	0.0	IRR419551010	1	2	0.0000			C5342_2	C534265342001			E C
STOKLEY TRUSTEE		BASTROP BAYOU		4268000000		SJGMC4	12					
WSRC5342	440.	0.2710	0.8958	0	0							
WR534111	600.	IRR419140630	1	2	0.0000			C5341_1	C534165341101			TOM
TIGNER TRUST		BASTROP BAYOU		4267500000		SJGMC4	12					
IF534401	4713.	IFD12119840508	1									
IFP4201_1												
WR420102	2000.	IRR419840508	1	2	0.0000			P4201_1	P420114201002			GARRETT
RANCH INC		AUSTIN BAYOU		4260100000		SJGMC4	12					
WR534442	1482.	IRR419361231	1	2	0.0000			C5344_1	C534465344001			MRS W
M GARRETT		AUSTIN BAYOU		4258000000		SJGMC4	12					
WSRC5344	414.	0.8475	0.6756	0	0							
SO		1482. 534401										
** Diversion into off-channel reservoir is limited to 175 acft total during the months April through												
** August. Monthly diversion limited to 8.9 cfs (529 acft/mo) during rest of the year. Maximum annual diversion into												
** off-channel reservoir limited to 425 acft/yr.												
IFP40101	9795.	IFD12219850103	1									
IFP4221_1												
WR422141	225.	IRR419850103	1	2	0.0000			P4221_1	P422114221001			ANNA
KOLANCY		AUSTIN BAYOU		4256010000		SJGMC4	12					
WSRP4221	251.	0.2710	0.8958	0	0							
SO		425. P42211										
ML	529.	529.	35.	35.	35.	35.	529.	529.	529.	529.		
WR422141	0.	IND419850103	1	2	0.0000			P4221_2	P422114221001			ANNA
KOLANCY		AUSTIN BAYOU		4256010000		SJGMC4	12					
WSRP4221	251.	0.2710	0.8958	0	0							
WR401041	0.	IRR419830418	1	2	0.0000			P4010_1	P401014010001			J V 3
INC		AUSTIN BAYOU		4254000000		SJGMC4	12					
WSRP4010	72.65	0.2710	0.8958	0	0							
WRP40101	360.	IRR419830418	1	2	0.0000			P4010_2	P401014010001			J
V 3 INC		AUSTIN BAYOU		4254000000		SJGMC4	12					
** Annual authorized diversion (1003 acft/yr) into reservoirs proportioned on SO records according to reservoir storage.												

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WR536001	160.	IRR419620415	1	2	0.0000	C5360_1	C536065360001		JAMES
SCOPEL		DITCH MUSTANG					4010400000	SJGMC4	12
** Combined three off-channel reservoirs into a single reservoir which impounds at 1966 priority									
** date in conjunction with 17,000 acft/yr diversion at 1966 priority date. All other portions of right									
** modeled as run-of-river diversions to avoid cumulative diversions greater than allowed, which would									
** occur if reservoir storage was also refilled by these rights.									
**WR535701	1500.	IRR419270803	1	2	0.0000	C5357_1	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WR535701	5000.	IRR419370921	1	2	0.0000	C5357_2	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WR535703	4000.	IRR419401015	1	2	0.0000	C5357_3	C535765357003		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WR535701	2000.	IRR419410409	1	2	0.0000	C5357_4	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WR535702	2000.	IRR419420331	1	2	0.0000	C5357_5	C535765357002		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WR535741	17000.	IRR419660314	1	2	0.0000	C5357_6	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WSRC5357	8951.	0.2710	0.8958	0	0				
**SO		17000.	535701						
**WR535701	15000.	IND419761115	1	2	0.0000	C5357_7	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WR535702	11000.	IND419761115	1	2	0.0000	C5357_8	C535765357002		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**Moved diversion location to new confluence point (CON251) for greater flow availability.									
**Under amendment, water can be used for multiple uses (MUN, IRR, IND, REC).									
WRCON251	1500.	MUN419270803	1	2	0.0000	C5357_1	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WRCON251	5000.	MUN419370921	1	2	0.0000	C5357_2	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WR535703	4000.	MUN419401015	1	2	0.0000	C5357_3	C535765357003		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WRCON251	2000.	MUN419410409	1	2	0.0000	C5357_4	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WR535702	2000.	MUN419420331	1	2	0.0000	C5357_5	C535765357002		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WR535741	17000.	MUN419660314	1	2	0.0000	C5357_6	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WSRC5357	8951.	0.2710	0.8958	0	0				
SO		17000.	CON251						
WRCON251	15000.	MUN419761115	1	2	0.0000	C5357_7	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WR535702	11000.	MUN419761115	1	2	0.0000	C5357_8	C535765357002		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WRCON251	0.	IND419270803	1	2	0.0000	C5357_9	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WRCON251	0.	IRR419270803	1	2	0.0000	C5357_10	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WRCON251	0.	UNIFO19270803	1	2	0.0000	C5357_11	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
** Saline, cooling right that diverts from Galveston Bay, do not model.									
**WR536101	107970.	IND419701130	1	2	0.9990	C5361_1	C536165361001		STERLING
CHEMICALS INC		GALVESTON BAY					3500000000	SJGMC4	12
WR57441	0.	UNIFO19970128	1	2	0.0000	P5574_1	P557415574001		LSF
DEVELOPMENT CORP		DICKINSON BAYOU					3450000000	SJGBC3	12
WSRP5574	198.	0.2710	0.8958	0	0				
SO		116.5	557401						
WR536201	46.0	IRR419810928	1	2	0.0000	C5362_1	C536265362001		CHAPARRAL
RECREATION ASSOC		DICKINSON					3401000000	SJGBC3	12
WR536231	0.0	UNIFO19810928	1	2	0.0000	C5362_2	C536265362001		CHAPARRAL
RECREATION ASSOC		DICKINSON					3401000000	SJGBC3	12
WSRC5362	15.0	0.8475	0.6756	0	0				
** Do not model. It is only a flood diversion right.									
**WR517801	0.0	UNIFO19880429	1	2	0.0000	P5178_1	P517815178001		CITY
OF LEAGUE CITY		BENSON BAYOU					3400500000	SJGBC3	12
** Saline, Cooling right with unlimited diversion, 30000 consumptive. Do not Model									
**WR536301	30000.	IND419640811	1	2	0.0000	C5363_1	C536365363001		HOUSTON
L&P-ROBINSON PLANT		DICKINSON					3400000000	SJGBC3	12
IF536402	724.0	UNIFO19910628	1			IFP5369_1			
WR536941	0.	UNIFO19910628	1	2	0.0000	P5369_1	P53699999		HARRIS
COUNTY		CLEAR CRK					3360000000	SJGBC3	12
WSRP5369	89.0	0.2710	0.8958	0	0				
SO		130.	536901						
WR536401	968.	IRR419431231	1	2	0.0000	C5364_1	C536465364001		ROBERT
L ALEXANDER & MARTHA A CROUCH		CLEAR CRK					3309800000	SJGBC3	12
WR518331	0.0	UNIFO19880610	1	2	0.0000	P5183_1	P518315183001		HARRIS
COUNTY (PRECINCT ONE)		CLEAR CRK					3301000000	SJGBC3	12
WSRP5183	30.0	0.5228	0.8206	0	0				
SO		12.0	518301						
** Saline Right. Do not Model									
**WR535001	4440.	IND419650407	1	2	0.0000	C5350_1	C535065350001		HOUSTON
L&P-WEBSTER		CLEAR CRK					3300000000	SJGBC3	12
** Right is authorized to divert only wastewater from League City WWTP (PNUM 10568-005).									

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**WR540001 491. IRR419920219 1 2 0.0000 P5400_1 P540015400001 SOUTH
SHORE HARBOUR DEV LTD CLEAR CRK 3290000000 SJGBC3 A 12
**SO 105685
**WR540046 0. UNIFO19920219 1 2 0.0000 P5400_2 P540015400001 SOUTH
SHORE HARBOUR DEV LTD CLEAR CRK 3290000000 SJGBC3 A 12
**WSRP5400 91.69 0.2710 0.8958 0 0
**SO 48. 105685
IF523001 1448.0 UNIFO19890502 1 IFP5230_1
WR523041 150. IRR419890502 1 2 0.0000 P5230_1 P523015230001 BAYWOOD
COUNTRY CLUB ARMAND BAYOU 2100000000 SJGBC3 12
WSRP5230 6.0 0.2710 0.8958 0 0
SO 150. 523001
** Saline impoundment for recreation. Do not model.
**WR559141 0.0 UNIFO19970616 1 2 0.0000 P5591_1 P559115591001 KIRBY
LAKE DEVELOPMENT LTD TAYLOR LAKE ON TAYLOR BAYOU 1900000000 SJGBC3 A 12
**WSRP5591 50.4 0.2710 0.8958 0 0
**SO 32.2 559101
**WR559101 10.7 UNIFO19970616 1 2 0.0000 P5591_2 P559115591001 KIRBY
LAKE DEVELOPMENT LTD TAYLOR LAKE ON TAYLOR BAYOU 1900000000 SJGBC3 A 12
**
** FNI change - System Operation
**
** ----- BEGIN SYSTEM OPERATION -----
** This set of water right are execute only during the second dual simulation (system operation run)
** Modeling at a priority of 03/01/2012 to preserve prior appropriation relative to 30 TAC 298 environmental flow standards
** Refill reservoirs with BRA water.
WR515531 0. 20120301 C5155_RF1_2 SYSTEM
WSPOSDOM 528007. 0
SO 5155DP
PX 2
WR515631 0. 20120301 C5156_RF1_2 SYSTEM
WSGRNBRY 124128. 0
SO 5156DP
WR515731 0. 20120301 C5157_RF1_2 SYSTEM
WSBRAWHT 50000. 0 1
SO 5157DP
PX 2
WR515831 0.0 20120301 C5158_RF1_2 SYSTEM
WSAQUILA 35755. 0
SO 5158DP
PX 2
WR515931 0. 20120301 C5159_RF1_2 SYSTEM
WSPRCTOR 48642. 0
SO 5159DP
PX 2
WR516031 0.0 20120301 C5160_RF1_2 SYSTEM
WSBRABEL 408871. 0 3
SO 5160DP
PX 2
WR516131 0. 20120301 C5161_RF1_2 SYSTEM
WSSTLHSE 225716. 0
SO 5161DP
PX 2
WR516231 0. 20120301 C5162_RF1_2 SYSTEM
WSGRGTWN 37000. 0
SO 5162DP
PX 2
WR516331 0. 20120301 C5163_RF1_2 SYSTEM
WSGRNGER 46198. 0
SO 5163DP
PX 2
WR516431 0.0 20120301 C5164_RF1_2 SYSTEM
WSSMRVLE 135891. 0
SO 5164DP
PX 2
WR516531 0.0 20120301 C5165_RF1_2 SYSTEM
WSLMSTNE 185502. 0
SO 5165DP
PX 2
**WR292531 0.0 20120301 ALLENS_RF1_2 SYSTEM
**WSALLENS 145533. 0
**SO 2925DP
**PX 2
**
** FNI change - Lakeside diversions
** Lakeside
WR515531 6809. MUN220120301 1 2 0.0000 PSMT2_LS_MUN C5155 PK_LS
WSPOSDOM 528007. 0
SO 5155DP
PX 2
**
WR515531 65447. IND220120301 1 2 0.0000 PSMT2_LS_IND C5155 PK_LS
**WR515531 38000. IND220120301 1 2 0.0000 PSMT2_LS_IND C5155 PK_LS
WSPOSDOM 528007. 0

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SO          5155DP
PX          2
**
WR515531    500.    IRR220120301  1  2  0.0000          PSMT2_LS_IRR  C5155  PK_LS
WSPOSDOM 528007.
SO          5155DP
PX          2
**
WR515531    1410.   MIN220120301  1  2  0.0000          PSMT2_LS_MIN  C5155  PK_LS
WSPOSDOM 528007.
SO          5155DP
PX          2
**
** placeholder for upstream contracts
** HDR - Removed and included subordinations upstream of PK
**WR515531    0.      20120301  1  2  0.0000          PSMT2_US      C5155  PK_LS
**WR515531   14400.   20120301  1  2  0.0000          PSMT2_US      C5155  PK_LS
**WSPOSDOM 528007.
**SO          5155DP
**PX          2
**
** Lake Proctor
** FNI change - contracts modeling
**
WR515931    6437.   MUN220120301  1  2  0.0000          PCTT2_LS_MUN  C5159  PR_LS
WSPRCTOR 48642.
SO          5159DP
PX          2
WR515931    6652.   IRR220120301  1  2  0.0000          PCTT2_LS_IRR  C5159  PR_LS
WSPRCTOR 48642.
SO          5159DP
PX          2
**
** Lake Granbury
** Type 3 rights so no depletions
**
WR515631    34597.   MUN220120301  3  2  0.0000          GBYT2_LS_MUN  C5156  GB_LS
WSGRNBRY 124128.
OR515631    46500   1.0  1.0  0  0  0
WSPOSDOM 528007.
OR515531    218922   1.0  1.0  0  0  0
PX          2
**
**WR515631    50000.   IND220120301  3  2  0.0000          GBYT2_LS_IND  C5156  GB_LS
WR515631    7000.   IND220120301  3  2  0.0000          GBYT2_LS_IND  C5156  GB_LS
WSGRNBRY 124128.
OR515631    46500   1.0  1.0  0  0  0
WSPOSDOM 528007.
OR515531    218922   1.0  1.0  0  0  0
PX          2
**
** Existing comanche Peak contract - assume no spills from Squaw Creek for contracts modeling
WR515631    43000.   IND220120301  3  2  0.0000          GBYT2_LS_LUM  C5156  GB_LS
WSGRNBRY 124128.
OR515631    46500   1.0  1.0  0  0  0
WSPOSDOM 528007.
OR515531    218922   1.0  1.0  0  0  0
PX          2
**
**
** Comanche Peak expansion
**WR515631    90152.   IND220120301  3  2  0.0000          GBYT2_LS_CPNPP C5156  GB_LS
**WR515631    90152.   IND220120301  3  20.402931 515631  GBYT2_LS_CPNPP C5156  GB_LS
WR515631    0.      IND220120301  3  20.402931 515631  GBYT2_LS_CPNPP C5156  GB_LS
WSGRNBRY 124128.
OR515631    46500   1.0  1.0  0  0  0
WSPOSDOM 528007.
OR515531    218922   1.0  1.0  0  0  0
PX          2
**
WR515631    4760.   IRR220120301  3  2  0.0000          GBYT2_LS_IRR  C5156  GB_LS
WSGRNBRY 124128.
OR515631    46500   1.0  1.0  0  0  0
WSPOSDOM 528007.
OR515531    218922   1.0  1.0  0  0  0
PX          2
**
WR515631    44.     MIN220120301  3  2  0.0000          GBYT2_LS_MIN  C5156  GB_LS
WSGRNBRY 124128.
OR515631    46500   1.0  1.0  0  0  0
WSPOSDOM 528007.
OR515531    218922   1.0  1.0  0  0  0
PX          2
**
WR515631    20120301  1  2  0.0000          GBYT2_LS_FILL2 C5156  GB_LS

```

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```

WSGRNBRY 124128.          0
SO          5156DP
PX      2
**
** Lake Whitney
**
WR515731 11260.  MUN220120301  3  2  0.0000  WTYT2_LS_MUN  C5157  WH_LS
WSBRAWHT 50000.          0          1
**OR515731 0  2.0  1.0  0  0  0  1
**WSGRNBRY 124128.          0
**OR515631 46500  1.0  -1  0  0  0
**WSPOSDOM 528007.          0
**OR515531 218922  0.5  1.0  0  0  0
PX      2
**
WR515731 1000.  IRR220120301  3  2  0.0000  WTYT2_LS_IRR  C5157  WH_LS
WSBRAWHT 50000.          0          1
OR515731 0  2.0  1.0  0  0  0
WSGRNBRY 124128.          0
OR515631 46500  1.0  -1  0  0  0
WSPOSDOM 528007.          0
OR515531 218922  0.5  1.0  0  0  0
BU          WTYT2_LS_MUN
PX      2
** refill
WR515731 0  20120301  1  2  0.0000  WTYT2_LS_FILL  C5157  WH_LS
WSBRAWHT 50000.          0          1
SO          5157DP
PX      2
**
** Lake Aquilla
**
WR515831 11403.  MUN220120301  1  2  0.0000  ALAT2_LS_MUN  C5158  AQ_LS
WSAQUILA 35755.          0
SO          5158DP
PX      2
**
WR515831 0.  IRR220120301  1  2  0.0000  ALAT2_LS_IRR  C5158  AQ_LS
WSAQUILA 35755.          0
SO          5158DP
PX      2
** System, just lakeside for now
**WR515831 0.  MUN220120301  1  2  0.0000  ALAT2_SYS_MUN  C5158  AQ_LS
**WSAQUILA 35755.          0
**SO          5158DP
**PX      2
**
** BRA's portion of Lake Belton
** Lakeside municipal
**
WR516031 60062.  MUN220120301  1  2  0.0000  BLNT2_LS_MUN  C5160  BE_LS
WSBRABEL 408871.          5          3  -1
SO          5160DP
PX      2
** Put in a small Type 3 right for using Proctor
** different depending on drought ops
WR516031 16000.  MUN220120301  3  2  0.0000  BLNT2_LS_MUN2  C5160  BE_LS
WSBRABEL 408871.          0          3  -1
OR516031          1000
WSPRCTOR 48642.          1000
OR515931
TO      13          MUL          use_drop1
**SO          5160DP
**BU          BLNT2_ls_mun
PX      2
**
WR516031 16000.  MUN220120301  3  2  0.0000  BLNT2_LS_MUN3  C5160  BE_LS
WSBRABEL 408871.          0          3  -1
OR516031
WSPRCTOR 48642.          10000
OR515931
TO      13          MUL          use_drop2
PX      2
**
WR516031 0.  IRR220120301  1  2  0.0000  BLNT2_LS_IRR  C5160  BE_LS
WSBRABEL 408871.          0          3  -1
SO          5160DP
PX      2
** Remainder of Temple contract - assume lakeside
** set to zero in firm yield scenario
WR516031 0.  MUN220120301  1  2  0.0000  BLNT2_LS_TEMPLE2  C5160  BE_LS
WSBRABEL 408871.          0          3  -1
SO          5160DP
PX      2

```

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```

**
**
** Lake Stillhouse Hollow
**
** lakeside
**
** System demand shared with Belton
** Use Stillhouse until minimum level hit, then bring over water with pipeline
**
WR516131 8000. 20120301 1 2 0.0000 BLNTSTIT_SYS_MUN C5161 BESH_LS
WSSTLHSE 225716. 200000
SO 5161DP
PX 2
**
WR516031 20120301 1 2 0.0000 BLNTSTIT_SYS_BU C5160 BESH_LS
WSBRABEL 408871. 30000 3 -1
BU BLNTSTIT_SYS_MUN
SO 5160DP
PX 2
**
** Subtract out portion of demand that has already been met by pipeline modeling
**
WR516131 39155. MUN320120301 1 2 0.0000 STIT2_LS_MUN C5161 SH_LS
WSSTLHSE 225716. 0
SO 5161DP
TO 11 1.0 SUB BLNTSTIT_SYS_MUN CONT
TO 11 1.0 SUB BLNTSTIT_SYS_BU
PX 2
**
WR516131 0. IND320120301 1 2 0.0000 STIT2_LS_IND C5161 SH_LS
WSSTLHSE 225716. 0
SO 5161DP
PX 2
**
WR516131 100. IRR320120301 1 2 0.0000 STIT2_LS_IRR C5161 SH_LS
WSSTLHSE 225716. 0
SO 5161DP
PX 2
**
** Lake Georgetown
** minimum elevation 699 is below estimated minimum elevation in 2025
**
**
** Stillhouse to Georgetown pipeline - drought index based on Georgetown, max 5000 ac-ft/month (60,000 ac-ft/yr) in 2025
** Minimum operating level 559.5 = 22404
** assuming improvements that allow operation below current minimum
**
** Using alternative method of modeling pipeline to facilitate tracking by source
** instead of storing water in Lake Georgetown before diverting, model as a demand
** that swings between sources. This is equivalent to fully diverting all of the water
** brought over by the pipeline
**
** Granger first
**
WR516331 17000. 20120301 1 1 0.0000 GGLTGLKT_SYS_MUN C5163 GTGN_LS
WSGRNGER 46198. 20000
SO 5163DP
PX 2
** Then take from Georgetown
WR516231 20120301 1 1 0.0000 GGLTGLKT_SYS_BU C5163 GTGN_LS
WSGRGTWN 37000. 30000
BU GGLTGLKT_SYS_MUN
SO 5162DP
PX 2
**
** Shared demand with Stillhouse (Stillhouse-Georgetown pipeline)
WR516231 26000. PIPE20120301 1 2 0.0000 GGLTSTIT_SYS_MUN C5162 GTSH_LS
WSGRGTWN 37000. 31841
BU GGLTGLKT_SYS_BU
SO 5162DP
PX 2
**
WR516131 20120301 1 2 0.0000 GGLTSTIT_SYS_BU C5161 GTSH_LS
WSSTLHSE 225716. 3500
BU GGLTSTIT_SYS_MUN
SO 5161DP
PX 2
**
**WR516331 20120301 1 1 0.0000 GGLTGLKT_SYS_BU C5163 GTGN_LS
***WSGRNGER 46198. 8000
**WSGRNGER 46198. 12000
**BU GGLTGLKT_SYS_MUN
**SO 5163DP
**PX 2

```

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```

**
**      REDUCE DEMAND BY 22,000 AC-FT OF GROUNDWATER
**      Subtract out portion of demand that has already been met by pipeline modeling
**
WR516231  52561.  MUN320120301  1  2  0.0000          GGLT2_LS_MUN  C5162  GT_LS
WSGRGTWN  37000.
SO
          5162DP
TO  11  1.0  SUB          GGLTSTIT_SYS_MUN  CONT
TO  11  1.0  SUB          GGLTSTIT_SYS_BU   CONT
TO  11  1.0  SUB          GGLTGLKT_SYS_MUN  CONT
TO  11  1.0  SUB          GGLTGLKT_SYS_BU   CONT
PX  2
**
WR516231  0.      IRR320120301  1  2  0.0000          GGLT2_LS_IRR  C5161  GT_LS
WSGRGTWN  37000.
SO
          5162DP
PX  2
**
**      Lake Granger
**
WR516331  13000.  MUN320120301  1  1  0.0000          GLKT2_LS_MUN  C5163  GN_LS
WSGRNGER  46198.
SO
          5163DP
PX  2
**
**      0
WR516331  15.    IRR320120301  1  2  0.0000          GLKT2_LS_IRR  C5163  GN_LS
WSGRNGER  46198.
SO
          5163DP
PX  2
**
**      Lake Somerville
**      minimum elevation 210 feet is 0 ac-ft storage in 2025
WR516431  4200.  MUN320120301  1  2  0.0000          SOMT2_LS_MUN  C5164  SO_LS
WSSMRVLE  135891.
SO
          5164DP
PX  2
**
**      Limestone
**
WR516531  200.    MUN320120301  1  2  0.0000          LLST2_LS_MUN  C5165  LS_LS
WSLMSTNE  185502.
SO
          5165DP
PX  2
**
WR516531  50675.  IND320120301  1  2  0.0000          LLST2_LS_IND  C5165  LS_LS
WSLMSTNE  185502.
SO
          5165DP
PX  2
**
WR516531  0.      MIN320120301  1  2  0.0000          LLST2_LS_MIN  C5165  LS_LS
WSLMSTNE  185502.
SO
          5165DP
PX  2
**
**      Add another fill
WR515531  0.      20120301          C5155_RF2_2  SYSTEM
WSPOSDOM  528007.
SO
          5155DP
PX  2
WR515631  0.      20120301          C5156_RF2_2  SYSTEM
WSGRNBRY  124128.
SO
          5156DP
WR515731  0.      20120301          C5157_RF2_2  SYSTEM
WSBRAWHT  50000.
SO
          5157DP
PX  2
WR515831  0.0    20120301          C5158_RF2_2  SYSTEM
WSAQUILA  35755.
SO
          5158DP
PX  2
WR515931  0.      20120301          C5159_RF2_2  SYSTEM
WSPRCTOR  48642.
SO
          5159DP
PX  2
WR516031  0.0    20120301          C5160_RF2_2  SYSTEM
WSBRABEL  408871.
SO
          5160DP
PX  2
WR516131  0.      20120301          C5161_RF2_2  SYSTEM
WSSTLHSE  225716.
SO
          5161DP

```

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```

PX      2
WR516231      0.      20120301      C5162_RF2_2  SYSTEM
WSGRGTWN 37000.      5162DP      0
SO
PX      2
WR516331      0.      20120301      C5163_RF2_2  SYSTEM
WSGRNGER 46198.      5163DP      0
SO
PX      2
WR516431      0.0     20120301      C5164_RF2_2  SYSTEM
WSSMRVLE 135891.      5164DP      0
SO
PX      2
WR516531      0.0     20120301      C5165_RF2_2  SYSTEM
WSLMSTNE 185502.      5165DP      0
SO
PX      2
**WR292531      0.0     20120301      ALLENS_RF2_2  SYSTEM
**WSALLENS 145533.      2925DP      0
**SO
**PX      2
** Return flow from dummy control points.
WR5155DP      20120301      1.0000 515531      C5155_DPRETQ  SYSTEM
TO      2
PX      2
WR5156DP      20120301      1.0000 515631      C5156_DPRETQ  SYSTEM
TO      2
PX      2
WR5157DP      20120301      1.0000 515731      C5157_DPRETQ  SYSTEM
TO      2
PX      2
WR5158DP      20120301      1.0000 515831      C5158_DPRETQ  SYSTEM
TO      2
PX      2
WR5159DP      20120301      1.0000 515931      C5159_DPRETQ  SYSTEM
TO      2
PX      2
WR5160DP      20120301      1.0000 516031      C5160_DPRETQ  SYSTEM
TO      2
PX      2
WR5161DP      20120301      1.0000 516131      C5161_DPRETQ  SYSTEM
TO      2
PX      2
WR5162DP      20120301      1.0000 516231      C5162_DPRETQ  SYSTEM
TO      2
PX      2
WR5163DP      20120301      1.0000 516331      C5163_DPRETQ  SYSTEM
TO      2
PX      2
WR5164DP      20120301      1.0000 516431      C5164_DPRETQ  SYSTEM
TO      2
PX      2
WR5165DP      20120301      1.0000 516531      C5165_DPRETQ  SYSTEM
TO      2
PX      2
**WR2925DP      20120301      1.0000 292531      ALLENS_DPRETQ  SYSTEM
**TO      2
**PX      2
**
** Eflows
**
**Double Mountain Fork Near Aspermont
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMDMAS      20120301      DMRLDMAS  SB3DUM
TO      2      ADD      DMAS09
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE01      XMONTH20120301      BF--DM-DP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      DMDPND
PX      2
WRFAKE01      XMONTH20120301      BF--DM-DP2
TO      6      ADD      BF--DM-DP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFAKE01      723  DM-DRY20120301      BF--DM-DP3
TO      6      MUL      BF--DM-DP2
PX      2
*****Avg Days*****

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```

WRFK01      XMONTH20120301      BF--DM-AP1
TO 2        ADD                DAYSPY      CONT
TO 2        SUB                DMAPND
PX 2
WRFK01      XMONTH20120301      BF--DM-AP2
TO 6        ADD                BF--DM-AP1  CONT
TO 2        DIV                DAYSPY
PX 2
WRFK01      2164 DM-AVG20120301      BF--DM-AP3
TO 6        MUL                BF--DM-AP2
PX 2
*****WET Days*****
WRFK01      XMONTH20120301      BF--DM-WP1
TO 2        ADD                DAYSPY      CONT
TO 2        SUB                DMWFND
PX 2
WRFK01      XMONTH20120301      BF--DM-WP2
TO 6        ADD                BF--DM-WP1  CONT
TO 2        DIV                DAYSPY
PX 2
WRFK01      7209 DM-WET20120301      BF--DM-WP3
TO 6        MUL                BF--DM-WP2
PX 2
*****set subsistence flow*****
IFDMSUBS    723  DM-SUB20120301      DM-SUB1
TO 16       MUL                UP-DRY
PX 2
*****SET DRY BASE FLOW, *****
IFDM-DRY    723  DM-DRY20120301      DM-DRY1
TO 16       MUL                UP-DRY
PX 2
WRDMNOSB    1    XMONTH20120301      DMNOSUB2
FS 12  UP-DRY  0    1    1 9999999  1
PX 2
WRFKDM11    20120301      HOLDDMBASE
TO 13       ADD                DM-DRY1
PX 2
WRFKDM12    20120301      DMONOFF
TO 2        ADD                DMAS09      CONT
TO 6        DIV                HOLDDMBASE  CONT
TO 6        ADD                DMNOSUB2
PX 2
IFDM-DRY    20120301      DM-DRY2
TO 13       ADD                DM-DRY1
FS 5  FKDM12  1    0    1 9999999  1
PX 2
IFDMSUBS    DM-SUB20120301  2    DMAS09      DM-SUB2      CONT
TO 2        ADD                DM-SUB1      CONT
TO 13       SUB                HALF          CONT
TO 2        DIV                DM-SUB1
TO 13       ADD                DM-SUB1
FS 5  FKDM12  0    1    1 9999999  1
PX 2
IFDM-DRY    20120301      DM-DRY3
TO 13       ADD                DM-SUB2      CONT
TO 13       MAX                DM-DRY2
PX 2
*****SET      AVG      BASE      FLOW,      APPLY      WET/AVG/DRY      CONTDITION      VIA      DI
RECORD*****
IFDM-AVG    2164 DM-AVG20120301      DM-AVG
TO 16       MUL                UP-AVG
PX 2
*****SET      WET      BASE      FLOW,      APPLY      WET/AVG/DRY      CONTDITION      VIA      DI
RECORD*****
IFDM-WET    7209 DM-WET20120301      DM-WET
TO 16       MUL                UP-WET
PX 2
*****
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKDM01    1270 XMONTH20120301      FKDMPLSP1
TO 6        ADD                BF--DM-DP3
PX 2
WRFKDM02    XMONTH20120301      DMPSPRTRG
TO 2        ADD                DMAS09      CONT
TO 6        DIV                FKDMPLSP1
PX 2
**
WRFKDM01    990  XMONTH20120301      FKMDPULS1
TO 6        ADD                BF--DM-DP3
PX 2
**
WRFKDM03    XMONTH20120301      DMPSUMTRG
TO 2        ADD                DMAS09      CONT
    
```

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```

TO      6          DIV          FKDMDPULS1
PX      2
***** AVG *****
WRFKDM04 1270 XMONTH20120301          FKDMAPLSP1
TO      6          ADD          BF--DM-AP3
PX      2
WRFKDM05          XMONTH20120301          DMAPSPRTRG
TO      2          ADD          DMAS09          CONT
TO      6          DIV          FKDMAPLSP1
PX      2
**
WRFKDM04  990 XMONTH20120301          FKDMAPULS1
TO      6          ADD          BF--DM-AP3
PX      2
**
WRFKDM06          XMONTH20120301          DMAPSUMTRG
TO      2          ADD          DMAS09          CONT
TO      6          DIV          FKDMAPULS1
PX      2
**
***** WET *****
WRFKDM07 2600 XMONTH20120301          FKDMWPLSP1
TO      6          ADD          BF--DM-WP3
PX      2
WRFKDM08          XMONTH20120301          DMWPSRTRG
TO      2          ADD          DMAS09          CONT
TO      6          DIV          FKDMWPLSP1
PX      2
**
WRFKDM07 2160 XMONTH20120301          FKDMWPULS1
TO      6          ADD          BF--DM-WP3
PX      2
**
WRFKDM09          XMONTH20120301          DMWPSUMTRG
TO      2          ADD          DMAS09          CONT
TO      6          DIV          FKDMWPULS1
PX      2
**

```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

```

***** DRY *****
IFDMDPUL 1270 XMONTH20120301          DMDPLSP1
TO      6          ADD          BF--DM-DP3
FS      5 FKDM02  1  0  1 9999999 2 1 1 4 3 6
PX      2
IFDMDPUL 1270 XMONTH20120301  3          DMDPLSP2
TO      6          ADD          BF--DM-DP3
FS      5 FKDM02  1  0  1 9999999 2 1 1 0 3 6
PX      2
IFDMDPUL  990 XMONTH20120301          DMDPULS1
TO      6          ADD          BF--DM-DP3
FS      5 FKDM03  1  0  1 9999999 2 1 1 4 7 10
PX      2
IFDMDPUL  990 XMONTH20120301  3          DMDPULS2
TO      6          ADD          BF--DM-DP3
FS      5 FKDM03  1  0  1 9999999 2 1 1 0 7 10
PX      2
***** AVG *****
IFDMAPUL 1270 XMONTH20120301          DMAPLSP1
TO      6          ADD          BF--DM-AP3
FS      5 FKDM05  1  0  1 9999999 2 1 2 4 3 6
PX      2
IFDMAPUL 1270 XMONTH20120301  3          DMAPLSP2
TO      6          ADD          BF--DM-AP3
FS      5 FKDM05  1  0  1 9999999 2 1 2 0 3 6
PX      2
IFDMAPUL  990 XMONTH20120301          DMAPULS1
TO      6          ADD          BF--DM-AP3
FS      5 FKDM06  1  0  1 9999999 2 1 2 4 7 10
PX      2
IFDMAPUL  990 XMONTH20120301  3          DMAPULS2
TO      6          ADD          BF--DM-AP3
FS      5 FKDM06  1  0  1 9999999 2 1 2 0 7 10
PX      2
***** WET *****
IFDMWPUL 2600 XMONTH20120301          DMWPLSP1
TO      6          ADD          BF--DM-WP3
FS      5 FKDM08  1  0  1 9999999 2 1 1 4 3 6
PX      2
IFDMWPUL 2600 XMONTH20120301  3          DMWPLSP2
TO      6          ADD          BF--DM-WP3
FS      5 FKDM08  1  0  1 9999999 2 1 1 0 3 6
PX      2
IFDMWPUL 2160 XMONTH20120301          DMWPULS1
TO      6          ADD          BF--DM-WP3

```

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```

FS      5  FKDM09      1      0      1 9999999  2  1  1  4  7  10
PX      2
IFDMWPUL 2160  XMONTH20120301  3      DMWPULS2
TO      6      ADD      BF--DM-WP3
FS      5  FKDM09      1      0      1 9999999  2  1  1  0  7  10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFDMDFUL 20120301      DMDPFIN
TO      13      ADD      DMDPLSP2  CONT
TO      13      ADD      DMDPULS2  CONT
TO      16      MUL      UP-DRY
PX      2
***** AVG *****
IFDMAPUL 20120301      DMAPFIN
TO      13      ADD      DMAPLSP2  CONT
TO      13      ADD      DMAPULS2  CONT
TO      16      MUL      UP-AVG
PX      2
***** WET *****
IFDMWPUL 20120301      DMWPFIN
TO      13      ADD      DMWPLSP2  CONT
TO      13      ADD      DMWPULS2  CONT
TO      16      MUL      UP-WET
PX      2
** SALT FORK NEAR ASPERMONT
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMSFAS 20120301      DMRLSFAS  SB3DUM
TO      2      ADD      SFAS06
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake02  XMONTH20120301      BF--SF-DP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      SFDEND
PX      2
WRFake02  XMONTH20120301      BF--SF-DP2
TO      6      ADD      BF--SF-DP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFake02  723  SF-DRY20120301      BF--SF-DP3
TO      6      MUL      BF--SF-DP2
PX      2
*****Avg Days*****
WRFake02  XMONTH20120301      BF--SF-AP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      SFAPND
PX      2
WRFake02  XMONTH20120301      BF--SF-AP2
TO      6      ADD      BF--SF-AP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFake02  1679 SF-AVG20120301      BF--SF-AP3
TO      6      MUL      BF--SF-AP2
PX      2
*****WET Days*****
WRFake02  XMONTH20120301      BF--SF-WP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      SFWEND
PX      2
WRFake02  XMONTH20120301      BF--SF-WP2
TO      6      ADD      BF--SF-WP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFake02  4081 SF-WET20120301      BF--SF-WP3
TO      6      MUL      BF--SF-WP2
PX      2
*****set subsistence flow*****
IFSFSUBS  723  SF-SUB20120301      SF-SUB1
TO      16      MUL      UP-DRY
PX      2
*****SET DRY BASE FLOW, *****
IFSFD-DRY  723  SF-DRY20120301      SF-DRY1
TO      16      MUL      UP-DRY
PX      2
WRSFNOSB  1  XMONTH20120301      SFNOSUB2
FS      12  UP-DRY  0      1      1 9999999  1
PX      2
WRFKSF11 20120301      HOLDSFBASE
    
```


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```

TO 13 ADD SF-DRY1
PX 2
WRFKSF12 20120301 SFONOFF
TO 2 ADD SFAS06 CONT
TO 6 DIV HOLDSFBASE CONT
TO 6 ADD SFNOSUB2
PX 2
IFSF-DRY 20120301 SF-DRY2
TO 13 ADD SF-DRY1
FS 5 FKSF12 1 0 1 9999999 1
PX 2
IFSFSUBS SF-SUB20120301 2 SF-SUB2
TO 2 ADD SFAS06 CONT
TO 13 SUB SF-SUB1 CONT
TO 2 DIV HALF CONT
TO 13 ADD SF-SUB1
FS 5 FKSF12 0 1 1 9999999 1
PX 2
IFSF-DRY 20120301 SF-DRY3
TO 13 ADD SF-SUB2 CONT
TO 13 MAX SF-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFSF-AVG 1679 SF-AVG20120301 SF-AVG
TO 16 MUL UP-AVG
PX 2
*****SET WET BASE FLOW, *****
IFSF-WET 4081 SF-WET20120301 SF-WET
TO 16 MUL UP-WET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKSF01 720 XMONTH20120301 FKSFDP1SP1
TO 6 ADD BF--SF-DP3
PX 2
WRFKSF02 XMONTH20120301 SFDPSPRTRG
TO 2 ADD SFAS06 CONT
TO 6 DIV FKSFDP1SP1
PX 2
**
WRFKSF01 560 XMONTH20120301 FKSFDPULS1
TO 6 ADD BF--SF-DP3
PX 2
**
WRFKSF03 XMONTH20120301 SFDPSUMTRG
TO 2 ADD SFAS06 CONT
TO 6 DIV FKSFDPULS1
PX 2
***** AVG *****
WRFKSF04 720 XMONTH20120301 FKSFAP1SP1
TO 6 ADD BF--SF-AP3
PX 2
WRFKSF05 XMONTH20120301 SFAPSPRTRG
TO 2 ADD SFAS06 CONT
TO 6 DIV FKSFAP1SP1
PX 2
**
WRFKSF04 560 XMONTH20120301 FKSFAPULS1
TO 6 ADD BF--SF-AP3
PX 2
**
WRFKSF06 XMONTH20120301 SFAPSUMTRG
TO 2 ADD SFAS06 CONT
TO 6 DIV FKSFAPULS1
PX 2
**
***** WET *****
WRFKSF07 1350 XMONTH20120301 FKSFWP1SP1
TO 6 ADD BF--SF-WP3
PX 2
WRFKSF08 XMONTH20120301 SFWPSPRTRG
TO 2 ADD SFAS06 CONT
TO 6 DIV FKSFWP1SP1
PX 2
**
WRFKSF07 1090 XMONTH20120301 FKSFWPULS1
TO 6 ADD BF--SF-WP3
PX 2
**
WRFKSF09 XMONTH20120301 SFWPSUMTRG
TO 2 ADD SFAS06 CONT
TO 6 DIV FKSFWPULS1
PX 2

```

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```

**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFSFPUL 720 XMONTH20120301 SFDPLSP1
TO 6 ADD BF--SF-DP3
FS 5 FKSF02 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFSFPUL 720 XMONTH20120301 3 SFDPLSP2
TO 6 ADD BF--SF-DP3
FS 5 FKSF02 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFSFPUL 560 XMONTH20120301 SFDPLSP1
TO 6 ADD BF--SF-DP3
FS 5 FKSF03 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFSFPUL 560 XMONTH20120301 3 SFDPLSP2
TO 6 ADD BF--SF-DP3
FS 5 FKSF03 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** AVG *****
IFSFPUL 720 XMONTH20120301 SFAPLSP1
TO 6 ADD BF--SF-AP3
FS 5 FKSF05 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFSFPUL 720 XMONTH20120301 3 SFAPLSP2
TO 6 ADD BF--SF-AP3
FS 5 FKSF05 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFSFPUL 560 XMONTH20120301 SFAPLSP1
TO 6 ADD BF--SF-AP3
FS 5 FKSF06 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFSFPUL 560 XMONTH20120301 3 SFAPLSP2
TO 6 ADD BF--SF-AP3
FS 5 FKSF06 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** WET *****
IFSFPUL 1350 XMONTH20120301 SFWPLSP1
TO 6 ADD BF--SF-WP3
FS 5 FKSF08 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFSFPUL 1350 XMONTH20120301 3 SFWPLSP2
TO 6 ADD BF--SF-WP3
FS 5 FKSF08 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFSFPUL 1090 XMONTH20120301 SFWPULS1
TO 6 ADD BF--SF-WP3
FS 5 FKSF09 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFSFPUL 1090 XMONTH20120301 3 SFWPULS2
TO 6 ADD BF--SF-WP3
FS 5 FKSF09 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFSFPUL 20120301 SFDPFIN
TO 13 ADD SFDPLSP2 CONT
TO 13 ADD SFDPLSP2 CONT
TO 16 MUL UP-DRY
PX 2
***** AVG *****
IFSFPUL 20120301 SFAPFIN
TO 13 ADD SFAPLSP2 CONT
TO 13 ADD SFAPLSP2 CONT
TO 16 MUL UP-AVG
PX 2
***** WET *****
IFSFPUL 20120301 SFWPFIN
TO 13 ADD SFWPLSP2 CONT
TO 13 ADD SFWPLSP2 CONT
TO 16 MUL UP-WET
PX 2
**
**BRAZOS RIVER AT SEYMOUR
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMRSE 20120301 DMRLRSE SB3DUM
TO 2 ADD BRSE11
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****

```

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```

WRFKSM03      XMONTH20120301      BF--SM-DP1
TO 2          ADD                      DAYSPY      CONT
TO 2          SUB                      SMDPND
PX 2
WRFKSM03      XMONTH20120301      BF--SM-DP2
TO 6          ADD                      BF--SM-DP1  CONT
TO 2          DIV                      DAYSPY
PX 2
WRFKSM03      5046 SM-DRY20120301      BF--SM-DP3
TO 6          MUL                      BF--SM-DP2
PX 2
*****Avg Days*****
WRFKSM03      XMONTH20120301      BF--SM-AP1
TO 2          ADD                      DAYSPY      CONT
TO 2          SUB                      SMAFND
PX 2
WRFKSM03      XMONTH20120301      BF--SM-AP2
TO 6          ADD                      BF--SM-AP1  CONT
TO 2          DIV                      DAYSPY
PX 2
WRFKSM03      13708 SM-AVG20120301      BF--SM-AP3
TO 6          MUL                      BF--SM-AP2
PX 2
*****WET Days*****
WRFKSM03      XMONTH20120301      BF--SM-WP1
TO 2          ADD                      DAYSPY      CONT
TO 2          SUB                      SMWFND
PX 2
WRFKSM03      XMONTH20120301      BF--SM-WP2
TO 6          ADD                      BF--SM-WP1  CONT
TO 2          DIV                      DAYSPY
PX 2
WRFKSM03      27200 SM-WET20120301      BF--SM-WP3
TO 6          MUL                      BF--SM-WP2
PX 2
*****set subsistence flow*****
IFSMSUBS      723 SM-SUB20120301      SM-SUB1
TO 16         MUL                      UP-DRY
PX 2
*****SET DRY BASE FLOW, *****
IFSMDRY      5046 SM-DRY20120301      SM-DRY1
TO 16         MUL                      UP-DRY
PX 2
WRSMNOSB      1 XMONTH20120301      SMNOSUB2
FS 12 UP-DRY  0 1 1 9999999 1
PX 2
WRFKSM11      20120301      HOLDSMBASE
TO 13         ADD                      SM-DRY1
PX 2
WRFKSM12      20120301      SMONOFF
TO 2          ADD                      BRSE11      CONT
TO 6          DIV                      HOLDSMBASE  CONT
TO 6          ADD                      SMNOSUB2
PX 2
IFSMDRY      20120301      SM-DRY2
TO 13         ADD                      SM-DRY1
FS 5          FKSM12 1 0 1 9999999 1
PX 2
IFSMSUBS      SM-SUB20120301 2      SM-SUB2
TO 2          ADD                      BRSE11      CONT
TO 13         SUB                      SM-SUB1      CONT
TO 2          DIV                      HALF         CONT
TO 13         ADD                      SM-SUB1
FS 5          FKSM12 0 1 1 9999999 1
PX 2
IFSMDRY      20120301      SM-DRY3
TO 13         ADD                      SM-SUB2      CONT
TO 13         MAX                      SM-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFSMAVG      13708 SM-AVG20120301      SM-AVG
TO 16         MUL                      UP-AVG
PX 2
*****SET WET BASE FLOW, *****
IFSMDRY      27200 SM-WET20120301      SM-WET
TO 16         MUL                      UP-WET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKSM01      2960 XMONTH20120301      FKSMPLSP1
TO 6          ADD                      BF--SM-DP3
PX 2
WRFKSM02      XMONTH20120301      SMDPSRTRG
    
```

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```

TO      2      ADD      BRSE11      CONT
TO      6      DIV      FKSM DPLSP1
PX      2
**
WRFKSM01  1870  XMONTH20120301      FKSM D PULS1
TO      6      ADD      BF--SM-DP3
PX      2
**
WRFKSM03      XMONTH20120301      SMDP SUMTRG
TO      2      ADD      BRSE11      CONT
TO      6      DIV      FKSM D PULS1
PX      2
***** AVG *****
WRFKSM04  2960  XMONTH20120301      FKSM APLSP1
TO      6      ADD      BF--SM-AP3
PX      2
WRFKSM05      XMONTH20120301      SMAPS PRTRG
TO      2      ADD      BRSE11      CONT
TO      6      DIV      FKSM APLSP1
PX      2
**
WRFKSM04  1870  XMONTH20120301      FKSM A PULS1
TO      6      ADD      BF--SM-AP3
PX      2
**
WRFKSM06      XMONTH20120301      SMAPS SUMTRG
TO      2      ADD      BRSE11      CONT
TO      6      DIV      FKSM A PULS1
PX      2
**
***** WET *****
WRFKSM07  5870  XMONTH20120301      FKSM W P LSP1
TO      6      ADD      BF--SM-WP3
PX      2
WRFKSM08      XMONTH20120301      SMW P S PRTRG
TO      2      ADD      BRSE11      CONT
TO      6      DIV      FKSM W P LSP1
PX      2
**
WRFKSM07  4290  XMONTH20120301      FKSM W P LSP1
TO      6      ADD      BF--SM-WP3
PX      2
**
WRFKSM09      XMONTH20120301      SMW P S SUMTRG
TO      2      ADD      BRSE11      CONT
TO      6      DIV      FKSM W P LSP1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season) *****
***** DRY *****
IFSMDPUL  2960  XMONTH20120301      SMDP LSP1
TO      6      ADD      BF--SM-DP3
FS      5  FKSM02      1      0      1 9999999 2 1 1 4 3 6
PX      2
IFSMDPUL  2960  XMONTH20120301  3      SMDP LSP2
TO      6      ADD      BF--SM-DP3
FS      5  FKSM02      1      0      1 9999999 2 1 1 0 3 6
PX      2
IFSMDPUL  1870  XMONTH20120301      SMDP LSP1
TO      6      ADD      BF--SM-DP3
FS      5  FKSM03      1      0      1 9999999 2 1 1 4 7 10
PX      2
IFSMDPUL  1870  XMONTH20120301  3      SMDP LSP2
TO      6      ADD      BF--SM-DP3
FS      5  FKSM03      1      0      1 9999999 2 1 1 0 7 10
PX      2
***** AVG *****
IFSMAFUL  2960  XMONTH20120301      SMA P LSP1
TO      6      ADD      BF--SM-AP3
FS      5  FKSM05      1      0      1 9999999 2 1 2 4 3 6
PX      2
IFSMAFUL  2960  XMONTH20120301  3      SMA P LSP2
TO      6      ADD      BF--SM-AP3
FS      5  FKSM05      1      0      1 9999999 2 1 2 0 3 6
PX      2
IFSMAFUL  1870  XMONTH20120301      SMA P LSP1
TO      6      ADD      BF--SM-AP3
FS      5  FKSM06      1      0      1 9999999 2 1 2 4 7 10
PX      2
IFSMAFUL  1870  XMONTH20120301  3      SMA P LSP2
TO      6      ADD      BF--SM-AP3
FS      5  FKSM06      1      0      1 9999999 2 1 2 0 7 10
PX      2
***** WET *****

```

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```

IFSMWPUL 5870 XMONTH20120301 SMWPLSP1
TO 6 ADD BF--SM-WP3
FS 5 FKSM08 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFSMWPUL 5870 XMONTH20120301 3 SMWPLSP2
TO 6 ADD BF--SM-WP3
FS 5 FKSM08 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFSMWPUL 4290 XMONTH20120301 SMWPULS1
TO 6 ADD BF--SM-WP3
FS 5 FKSM09 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFSMWPUL 4290 XMONTH20120301 3 SMWPULS2
TO 6 ADD BF--SM-WP3
FS 5 FKSM09 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFSMDFUL 20120301 SMDPFIN
TO 13 ADD SMDPLSP2 CONT
TO 13 ADD SMDPULS2 CONT
TO 16 MUL UP-DRY
PX 2
***** AVG *****
IFSMAPUL 20120301 SMAPFIN
TO 13 ADD SMAPLSP2 CONT
TO 13 ADD SMAPULS2 CONT
TO 16 MUL UP-AVG
PX 2
***** WET *****
IFSMWPUL 20120301 SMWPFIN
TO 13 ADD SMWPLSP2 CONT
TO 13 ADD SMWPULS2 CONT
TO 16 MUL UP-WET
PX 2
**
** CLEAR FORK AT NUGENT
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMCFNU 20120301 DMRLCFNU SB3DUM
TO 2 ADD CFNU16
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake04 XMONTH20120301 BF--NU-DP1
TO 2 ADD DAYSPY CONT
TO 2 SUB NUFPND
PX 2
WRFake04 XMONTH20120301 BF--NU-DP2
TO 6 ADD BF--NU-DP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake04 2159 NU-DRY20120301 BF--NU-DP3
TO 6 MUL BF--NU-DP2
PX 2
*****Avg Days*****
WRFake04 XMONTH20120301 BF--NU-AP1
TO 2 ADD DAYSPY CONT
TO 2 SUB NUAPND
PX 2
WRFake04 XMONTH20120301 BF--NU-AP2
TO 6 ADD BF--NU-AP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake04 4328 NU-AVG20120301 BF--NU-AP3
TO 6 MUL BF--NU-AP2
PX 2
*****WET Days*****
WRFake04 XMONTH20120301 BF--NU-WP1
TO 2 ADD DAYSPY CONT
TO 2 SUB NUWFPND
PX 2
WRFake04 XMONTH20120301 BF--NU-WP2
TO 6 ADD BF--NU-WP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake04 8186 NU-WET20120301 BF--NU-WP3
TO 6 MUL BF--NU-WP2
PX 2
*****set subsistence flow*****
IFNUSUBS 723 NU-SUB20120301 NU-SUB1

```

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```

TO 16 MUL UP-DRY
PX 2
*****SET DRY BASE FLOW, *****
IFNU-DRY 2159 NU-DRY20120301 NU-DRY1
TO 16 MUL UP-DRY
PX 2
WRNUNOSB 1 XMONTH20120301 NUNOSUB2
FS 12 UP-DRY 0 1 1 9999999 1
PX 2
WRFKNU01 20120301 HOLDNUBASE
TO 13 ADD NU-DRY1
PX 2
WRFKNU02 20120301 NUONOFF
TO 2 ADD CFNU16 CONT
TO 6 DIV HOLDNUBASE CONT
TO 6 ADD NUNOSUB2
PX 2
IFNU-DRY 20120301 NU-DRY2
TO 13 ADD NU-DRY1
FS 5 FKNU02 1 0 1 9999999 1
PX 2
IFNUSUBS NU-SUB20120301 2 NU-SUB2
TO 2 ADD CFNU16 CONT
TO 13 SUB NU-SUB1 CONT
TO 2 DIV HALF CONT
TO 13 ADD NU-SUB1
FS 5 FKNU02 0 1 1 9999999 1
PX 2
IFNU-DRY 20120301 NU-DRY3
TO 13 ADD NU-SUB2 CONT
TO 13 MAX NU-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFNU-AVG 4328 NU-AVG20120301 NU-AVG
TO 16 MUL UP-AVG
PX 2
*****SET WET BASE FLOW, *****
IFNU-WET 8186 NU-WET20120301 NU-WET
TO 16 MUL UP-WET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKNU02 860 XMONTH20120301 FKNUDP1SP1
TO 6 ADD BF--NU-DP3
PX 2
WRFKNU03 XMONTH20120301 NUDPSPRTRG
TO 2 ADD CFNU16 CONT
TO 6 DIV FKNUDP1SP1
PX 2
**
WRFKNU02 460 XMONTH20120301 FKNUDPULS1
TO 6 ADD BF--NU-DP3
PX 2
**
WRFKNU04 XMONTH20120301 NUDPSUMTRG
TO 2 ADD CFNU16 CONT
TO 6 DIV FKNUDPULS1
PX 2
***** AVG *****
WRFKNU05 860 XMONTH20120301 FKNUAP1SP1
TO 6 ADD BF--NU-AP3
PX 2
WRFKNU06 XMONTH20120301 NUAPSPRTRG
TO 2 ADD CFNU16 CONT
TO 6 DIV FKNUAP1SP1
PX 2
**
WRFKNU05 460 XMONTH20120301 FKNUAPULS1
TO 6 ADD BF--NU-AP3
PX 2
**
WRFKNU07 XMONTH20120301 NUAPSUMTRG
TO 2 ADD CFNU16 CONT
TO 6 DIV FKNUAPULS1
PX 2
**
***** WET *****
WRFKNU08 160 XMONTH20120301 FKNUWPULW1
TO 6 ADD BF--NU-WP3
PX 2
WRFKNU09 XMONTH20120301 NUWPWIRTRG
TO 2 ADD CFNU16 CONT
TO 6 DIV FKNUWPULW1
    
```

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```

PX      2
**
WRFKNU08  2800  XMONTH20120301          FKNUWPLSP1
TO      6          ADD                      BF--NU-WP3
PX      2
WRFKNU10          XMONTH20120301          NUWPSRTRG
TO      2          ADD                      CFNU16          CONT
TO      6          DIV                      FKNUWPLSP1
PX      2
**
WRFKNU08  1890  XMONTH20120301          FKNUWPULS1
TO      6          ADD                      BF--NU-WP3
PX      2
**
WRFKNU11          XMONTH20120301          NUWPSUMTRG
TO      2          ADD                      CFNU16          CONT
TO      6          DIV                      FKNUWPULS1
PX      2
**
    
```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season) *****

```

***** DRY *****
IFNUDPUL  860  XMONTH20120301          NUDPLSP1
TO      6          ADD                      BF--NU-DP3
FS      5  FKNU03      1      0      1 9999999  2  1  1  4  3  6
PX      2
IFNUDPUL  860  XMONTH20120301  3          NUDPLSP2
TO      6          ADD                      BF--NU-DP3
FS      5  FKNU03      1      0      1 9999999  2  1  1  0  3  6
PX      2
IFNUDPUL  460  XMONTH20120301          NUDPULS1
TO      6          ADD                      BF--NU-DP3
FS      5  FKNU04      1      0      1 9999999  2  1  1  4  7  10
PX      2
IFNUDPUL  460  XMONTH20120301  3          NUDPULS2
TO      6          ADD                      BF--NU-DP3
FS      5  FKNU04      1      0      1 9999999  2  1  1  0  7  10
PX      2
***** AVG *****
IFNUAPUL  860  XMONTH20120301          NUAPLSP1
TO      6          ADD                      BF--NU-AP3
FS      5  FKNU06      1      0      1 9999999  2  1  2  4  3  6
PX      2
IFNUAPUL  860  XMONTH20120301  3          NUAPLSP2
TO      6          ADD                      BF--NU-AP3
FS      5  FKNU06      1      0      1 9999999  2  1  2  0  3  6
PX      2
IFNUAPUL  460  XMONTH20120301          NUAPULS1
TO      6          ADD                      BF--NU-AP3
FS      5  FKNU07      1      0      1 9999999  2  1  2  4  7  10
PX      2
IFNUAPUL  460  XMONTH20120301  3          NUAPULS2
TO      6          ADD                      BF--NU-AP3
FS      5  FKNU07      1      0      1 9999999  2  1  2  0  7  10
PX      2
***** WET *****
IFNUWPUL  160  XMONTH20120301          NUWPULW1
TO      6          ADD                      BF--NU-WP3
FS      5  FKNU09      1      0      1 9999999  2  1  1  4  11  2
PX      2
IFNUWPUL  160  XMONTH20120301  3          NUWPULW2
TO      6          ADD                      BF--NU-WP3
FS      5  FKNU09      1      0      1 9999999  2  1  1  0  11  2
PX      2
IFNUWPUL  2800  XMONTH20120301          NUWPLSP1
TO      6          ADD                      BF--NU-WP3
FS      5  FKNU10      1      0      1 9999999  2  1  1  4  3  6
PX      2
IFNUWPUL  2800  XMONTH20120301  3          NUWPLSP2
TO      6          ADD                      BF--NU-WP3
FS      5  FKNU10      1      0      1 9999999  2  1  1  0  3  6
PX      2
IFNUWPUL  1890  XMONTH20120301          NUWPULS1
TO      6          ADD                      BF--NU-WP3
FS      5  FKNU11      1      0      1 9999999  2  1  1  4  7  10
PX      2
IFNUWPUL  1890  XMONTH20120301  3          NUWPULS2
TO      6          ADD                      BF--NU-WP3
FS      5  FKNU11      1      0      1 9999999  2  1  1  0  7  10
PX      2
    
```

```

***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFNUDPUL          20120301          NUDPFIN
TO      13          ADD                      NUPLSP2          CONT
TO      13          ADD                      NUDPULS2          CONT
    
```

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```

TO 16 MUL UP-DRY
PX 2
***** AVG *****
IFNUAPUL 20120301 NUAPFIN
TO 13 ADD NUAPLSP2 CONT
TO 13 ADD NUAPULS2 CONT
TO 16 MUL UP-AVG
PX 2
***** WET *****
IFNUWPUL 20120301 NUWPFIN
TO 13 ADD NUWPULW2 CONT
TO 13 ADD NUWPLSP2 CONT
TO 13 ADD NUWPULS2 CONT
TO 16 MUL UP-WET
PX 2
**
** CLEAR FORK AT LUEDERS
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMCFLU 20120301 DMRLCFLU SB3DUM
TO 2 ADD 417431
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFKAKE05 XMONTH20120301 BF--LU-DP1
TO 2 ADD DAYSPY CONT
TO 2 SUB LUDFND
PX 2
WRFKAKE05 XMONTH20120301 BF--LU-DP2
TO 6 ADD BF--LU-DP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFKAKE05 2876 LU-DRY20120301 BF--LU-DP3
TO 6 MUL BF--LU-DP2
PX 2
*****Avg Days*****
WRFKAKE05 XMONTH20120301 BF--LU-AP1
TO 2 ADD DAYSPY CONT
TO 2 SUB LUAFND
PX 2
WRFKAKE05 XMONTH20120301 BF--LU-AP2
TO 6 ADD BF--LU-AP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFKAKE05 5290 LU-AVG20120301 BF--LU-AP3
TO 6 MUL BF--LU-AP2
PX 2
*****WET Days*****
WRFKAKE05 XMONTH20120301 BF--LU-WP1
TO 2 ADD DAYSPY CONT
TO 2 SUB LUWFND
PX 2
WRFKAKE05 XMONTH20120301 BF--LU-WP2
TO 6 ADD BF--LU-WP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFKAKE05 10112 LU-WET20120301 BF--LU-WP3
TO 6 MUL BF--LU-WP2
PX 2
*****set subsistence flow*****
IFLUSUBS 723 LU-SUB20120301 LU-SUB1
TO 16 MUL UP-DRY
PX 2
*****SET DRY BASE FLOW, *****
IFLU-DRY 2876 LU-DRY20120301 LU-DRY1
TO 16 MUL UP-DRY
PX 2
WRLUNOSB 1 XMONTH20120301 LUNOSUB2
FS 12 UP-DRY 0 1 1 9999999 1
PX 2
WRFKLU01 20120301 HOLDLUBASE
TO 13 ADD LU-DRY1
PX 2
WRFKLU02 20120301 LUONOFF
TO 2 ADD 417431 CONT
TO 6 DIV HOLDLUBASE CONT
TO 6 ADD LUNOSUB2
PX 2
IFLU-DRY 20120301 LU-DRY2
TO 13 ADD LU-DRY1
FS 5 FKL02 1 0 1 9999999 1
    
```


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```

PX      2
IFLUSUBS      LU-SUB20120301      2      LU-SUB2
TO      2      ADD      417431
TO      13     SUB      LU-SUB1      CONT
TO      2      DIV      HALF      CONT
TO      13     ADD      LU-SUB1
FS      5      FKL002      0      1      1 9999999 1
PX      2
IFLU-DRY      20120301      LU-DRY3
TO      13     ADD      LU-SUB2      CONT
TO      13     MAX      LU-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFLU-AVG      5290      LU-AVG20120301      LU-AVG
TO      16     MUL      UP-AVG
PX      2
*****SET WET BASE FLOW, *****
IFLU-WET      10112      LU-WET20120301      LU-WET
TO      16     MUL      UP-WET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKLU02      74      XMONTH20120301      FKLUDPLSP1
TO      6      ADD      BF--LU-DP3
PX      2
WRFKLU03      XMONTH20120301      LUDPSRTRG
TO      2      ADD      417431      CONT
TO      6      DIV      FKLUDPLSP1
PX      2
**
WRFKLU02      74      XMONTH20120301      FKLUDPULS1
TO      6      ADD      BF--LU-DP3
PX      2
**
WRFKLU04      XMONTH20120301      LUDPSUMTRG
TO      2      ADD      417431      CONT
TO      6      DIV      FKLUDPULS1
PX      2
***** AVG *****
WRFKLU05      148      XMONTH20120301      FKLUAPLSP1
TO      6      ADD      BF--LU-AP3
PX      2
WRFKLU06      XMONTH20120301      LUAPSRTRG
TO      2      ADD      417431      CONT
TO      6      DIV      FKLUAPLSP1
PX      2
**
WRFKLU05      148      XMONTH20120301      FKLUAAPULS1
TO      6      ADD      BF--LU-AP3
PX      2
**
WRFKLU07      XMONTH20120301      LUAPSUMTRG
TO      2      ADD      417431      CONT
TO      6      DIV      FKLUAAPULS1
PX      2
**
***** WET *****
WRFKLU08      158      XMONTH20120301      FKLWLPULW1
TO      6      ADD      BF--LU-WP3
PX      2
WRFKLU09      XMONTH20120301      LUWPWIRTRG
TO      2      ADD      417431      CONT
TO      6      DIV      FKLWLPULW1
PX      2
**
WRFKLU08      2054      XMONTH20120301      FKLWPLSP1
TO      6      ADD      BF--LU-WP3
PX      2
WRFKLU10      XMONTH20120301      LUWPSRTRG
TO      2      ADD      417431      CONT
TO      6      DIV      FKLWPLSP1
PX      2
**
WRFKLU08      779      XMONTH20120301      FKLWLPULS1
TO      6      ADD      BF--LU-WP3
PX      2
**
WRFKLU11      XMONTH20120301      LUWPSUMTRG
TO      2      ADD      417431      CONT
TO      6      DIV      FKLWLPULS1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

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```

***** DRY *****
IFLUDPUL 74 XMONTH20120301 LU DP LSP1
TO 6 ADD BF--LU-DP3
FS 5 FKL003 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFLUDPUL 74 XMONTH20120301 3 LU DP LSP2
TO 6 ADD BF--LU-DP3
FS 5 FKL003 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFLUDPUL 74 XMONTH20120301 LU DP PULS1
TO 6 ADD BF--LU-DP3
FS 5 FKL004 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFLUDPUL 74 XMONTH20120301 3 LU DP PULS2
TO 6 ADD BF--LU-DP3
FS 5 FKL004 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** AVG *****
IFLUAPUL 148 XMONTH20120301 LU AP LSP1
TO 6 ADD BF--LU-AP3
FS 5 FKL006 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFLUAPUL 148 XMONTH20120301 3 LU AP LSP2
TO 6 ADD BF--LU-AP3
FS 5 FKL006 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFLUAPUL 148 XMONTH20120301 LU AP PULS1
TO 6 ADD BF--LU-AP3
FS 5 FKL007 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFLUAPUL 148 XMONTH20120301 3 LU AP PULS2
TO 6 ADD BF--LU-AP3
FS 5 FKL007 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** WET *****
IFLUWPUL 158 XMONTH20120301 LU WP PULW1
TO 6 ADD BF--LU-WP3
FS 5 FKL009 1 0 1 9999999 2 1 1 4 11 2
PX 2
IFLUWPUL 158 XMONTH20120301 3 LU WP PULW2
TO 6 ADD BF--LU-WP3
FS 5 FKL009 1 0 1 9999999 2 1 1 0 11 2
PX 2
IFLUWPUL 2054 XMONTH20120301 LU WP LSP1
TO 6 ADD BF--LU-WP3
FS 5 FKL010 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFLUWPUL 2054 XMONTH20120301 3 LU WP LSP2
TO 6 ADD BF--LU-WP3
FS 5 FKL010 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFLUWPUL 779 XMONTH20120301 LU WP PULS1
TO 6 ADD BF--LU-WP3
FS 5 FKL011 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFLUWPUL 779 XMONTH20120301 3 LU WP PULS2
TO 6 ADD BF--LU-WP3
FS 5 FKL011 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFLUDPUL 20120301 LU DP FFIN
TO 13 ADD LU DP LSP2 CONT
TO 13 ADD LU DP PULS2 CONT
TO 16 MUL UP-DRY
PX 2
***** AVG *****
IFLUAPUL 20120301 LU AP FFIN
TO 13 ADD LU AP LSP2 CONT
TO 13 ADD LU AP PULS2 CONT
TO 16 MUL UP-AVG
PX 2
***** WET *****
IFLUWPUL 20120301 LU WP FFIN
TO 13 ADD LU WP PULW2 CONT
TO 13 ADD LU WP LSP2 CONT
TO 13 ADD LU WP PULS2 CONT
TO 16 MUL UP-WET
PX 2
**
**BRAZOS RIVER NEAR SOUTH BEND
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBSB 20120301 DMRLBSB SB3DUM
    
```

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TO      2          ADD          BRSEB23
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRF06     XMONTH20120301          BF--SB-DP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          SBDFND
PX      2
WRF06     XMONTH20120301          BF--SB-DP2
TO      6          ADD          BF--SB-DP1    CONT
TO      2          DIV          DAYSPY
PX      2
WRF04     19473  SB-DRY20120301    BF--SB-DP3
TO      6          MUL          BF--SB-DP2
PX      2
*****Avg Days*****
WRF06     XMONTH20120301          BF--SB-AP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          SBAPND
PX      2
WRF06     XMONTH20120301          BF--SB-AP2
TO      6          ADD          BF--SB-AP1    CONT
TO      2          DIV          DAYSPY
PX      2
WRF06     43077  SB-AVG20120301    BF--SB-AP3
TO      6          MUL          BF--SB-AP2
PX      2
*****WET Days*****
WRF06     XMONTH20120301          BF--SB-WP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          SBWFND
PX      2
WRF06     XMONTH20120301          BF--SB-WP2
TO      6          ADD          BF--SB-WP1    CONT
TO      2          DIV          DAYSPY
PX      2
WRF06     75864  SB-WET20120301    BF--SB-WP3
TO      6          MUL          BF--SB-WP2
PX      2
*****set subsistence flow*****
IFSBSUBS  723  SB-SUB20120301    SB-SUB1
TO      16          MUL          UP-DRY
PX      2
*****SET DRY BASE FLOW, *****
IFSBS-DRY  19473  SB-DRY20120301    SB-DRY1
TO      16          MUL          UP-DRY
PX      2
WRSBNSB   1  XMONTH20120301          SBNSUB2
FS      12  UP-DRY    0      1      1 9999999  1
PX      2
WRFKSB11          20120301          HOLDSBBASE
TO      13          ADD          SB-DRY1
PX      2
WRFKSB12          20120301          SBONOFF
TO      2          ADD          BRSEB23          CONT
TO      6          DIV          HOLDSBBASE    CONT
TO      6          ADD          SBNSUB2
PX      2
IFSBS-DRY          20120301          SB-DRY2
TO      13          ADD          SB-DRY1
FS      5  FKS12    1      0      1 9999999  1
PX      2
IFSBSUBS          SB-SUB20120301  2          SB-SUB2
TO      2          ADD          BRSEB23          CONT
TO      13          SUB          SB-SUB1          CONT
TO      2          DIV          HALF          CONT
TO      13          ADD          SB-SUB1
FS      5  FKS12    0      1      1 9999999  1
PX      2
IFSBS-DRY          20120301          SB-DRY3
TO      13          ADD          SB-SUB2    CONT
TO      13          MAX          SB-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFSBS-AVG  43077  SB-AVG20120301    SB-AVG
TO      16          MUL          UP-AVG
PX      2
*****SET WET BASE FLOW, *****
IFSBS-WET  75864  SB-WET20120301    SB-WET
TO      16          MUL          UP-WET
PX      2
    
```

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***** DRY *****

***** Developing pulse+base flow targets (Each Season), *****

WRFKSB01 7280 XMONTH20120301 FKSBDPLSP1
TO 6 ADD BF--SB-DP3
PX 2

WRFKSB02 XMONTH20120301 SBDPSPRTRG
TO 2 ADD BRSB23 CONT
TO 6 DIV FKSBDPLSP1
PX 2

**

WRFKSB01 3140 XMONTH20120301 FKSBDPULS1
TO 6 ADD BF--SB-DP3
PX 2

**

WRFKSB03 XMONTH20120301 SBDPSPRTRG
TO 2 ADD BRSB23 CONT
TO 6 DIV FKSBDPULS1
PX 2

***** AVG *****

WRFKSB04 7280 XMONTH20120301 FKSBAPLSP1
TO 6 ADD BF--SB-AP3
PX 2

WRFKSB05 XMONTH20120301 SBAPSPRTRG
TO 2 ADD BRSB23 CONT
TO 6 DIV FKSBAPLSP1
PX 2

**

WRFKSB04 3140 XMONTH20120301 FKSBAPLS1
TO 6 ADD BF--SB-AP3
PX 2

**

WRFKSB06 XMONTH20120301 SBAPSPRTRG
TO 2 ADD BRSB23 CONT
TO 6 DIV FKSBAPLS1
PX 2

**

***** WET *****

WRFKSB07 15700 XMONTH20120301 FKSBBWPLSP1
TO 6 ADD BF--SB-WP3
PX 2

WRFKSB09 XMONTH20120301 SBWPSRTRG
TO 2 ADD BRSB23 CONT
TO 6 DIV FKSBBWPLSP1
PX 2

**

WRFKSB07 7050 XMONTH20120301 FKSBBWPULS1
TO 6 ADD BF--SB-WP3
PX 2

**

WRFKSB10 XMONTH20120301 SBWPSUMTRG
TO 2 ADD BRSB23 CONT
TO 6 DIV FKSBBWPULS1
PX 2

**

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

***** DRY *****

IFSBDPUL	7280	XMONTH20120301				SBDPLSP1			
TO	6	ADD				BF--SB-DP3			
FS	5	FKSB02	1	0	1 9999999	2	1	1	4 3 6
PX	2								
IFSBDPUL	7280	XMONTH20120301	3			SBDPLSP2			
TO	6	ADD				BF--SB-DP3			
FS	5	FKSB02	1	0	1 9999999	2	1	1	0 3 6
PX	2								
IFSBDPUL	3140	XMONTH20120301				SBDPULS1			
TO	6	ADD				BF--SB-DP3			
FS	5	FKSB03	1	0	1 9999999	2	1	1	4 7 10
PX	2								
IFSBDPUL	3140	XMONTH20120301	3			SBDPULS2			
TO	6	ADD				BF--SB-DP3			
FS	5	FKSB03	1	0	1 9999999	2	1	1	0 7 10
PX	2								
*****	AVG	*****				*****			
IFSBAFUL	7280	XMONTH20120301				SBAPLSP1			
TO	6	ADD				BF--SB-AP3			
FS	5	FKSB05	1	0	1 9999999	2	1	2	4 3 6
PX	2								
IFSBAFUL	7280	XMONTH20120301	3			SBAPLSP2			
TO	6	ADD				BF--SB-AP3			
FS	5	FKSB05	1	0	1 9999999	2	1	2	0 3 6
PX	2								
IFSBAFUL	3140	XMONTH20120301				SBAPULS1			
TO	6	ADD				BF--SB-AP3			

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```

FS      5  FKSB06      1      0      1 9999999  2  1  2  4  7  10
PX      2
IFSBAPUL      3140  XMONTH20120301  3      SBAPULS2
TO      6      ADD      BF--SB-AP3
FS      5  FKSB06      1      0      1 9999999  2  1  2  0  7  10
PX      2
***** WET *****
IFSBWPUL      15700  XMONTH20120301      SBWPLSP1
TO      6      ADD      BF--SB-WP3
FS      5  FKSB09      1      0      1 9999999  2  1  1  4  3  6
PX      2
IFSBWPUL      15700  XMONTH20120301  3      SBWPLSP2
TO      6      ADD      BF--SB-WP3
FS      5  FKSB09      1      0      1 9999999  2  1  1  0  3  6
PX      2
IFSBWPUL      7050  XMONTH20120301      SBWPULS1
TO      6      ADD      BF--SB-WP3
FS      5  FKSB10      1      0      1 9999999  2  1  1  4  7  10
PX      2
IFSBWPUL      7050  XMONTH20120301  3      SBWPULS2
TO      6      ADD      BF--SB-WP3
FS      5  FKSB10      1      0      1 9999999  2  1  1  0  7  10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFSBDFUL      20120301      SBDPFIN
TO      13      ADD      SBDPLSP2  CONT
TO      13      ADD      SBDPULS2  CONT
TO      16      MUL      UP-DRY
PX      2
***** AVG *****
IFSBAPUL      20120301      SBAPFIN
TO      13      ADD      SBAPLSP2  CONT
TO      13      ADD      SBAPULS2  CONT
TO      16      MUL      UP-AVG
PX      2
***** WET *****
IFSBWPUL      20120301      SBWPFIN
TO      13      ADD      SBWPLSP2  CONT
TO      13      ADD      SBWPULS2  CONT
TO      16      MUL      UP-WET
PX      2
**
**BRAZOS RIVER NEAR PALO PINTO
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRPP      20120301      DMRLBRPP  SB3DUM
TO      2      ADD      BRPP27
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake07      XMONTH20120301      BF--PP-DP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      PDPEND
PX      2
WRFake07      XMONTH20120301      BF--PP-DP2
TO      6      ADD      BF--PP-DP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFake07      28686  PP-DRY20120301      BF--PP-DP3
TO      6      MUL      BF--PP-DP2
PX      2
*****Avg Days SMALL PULSE*****
WRFake07      XMONTH20120301      BF--PPSAP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      PPASPD
PX      2
WRFake07      XMONTH20120301      BF--PPSAP2
TO      6      ADD      BF--PPSAP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFake07      50176  PP-AVG20120301      BF--PPSAP3
TO      6      MUL      BF--PPSAP2
PX      2
*****Avg Days LARGE PULSE*****
WRFake07      XMONTH20120301      BF--PPLAP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      PPALPD
PX      2
WRFake07      XMONTH20120301      BF--PPLAP2
TO      6      ADD      BF--PPLAP1  CONT

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TO      2          DIV          DAYSPY
PX      2
WRFKPP07  50176  PP-AVG20120301          BF--PPLAP3
TO      6          MUL          BF--PPLAP2
PX      2
*****WET Days SMALL PULSE*****
WRFKPP07  XMONTH20120301          BF--PPSWP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          PPWSPD
PX      2
WRFKPP07  XMONTH20120301          BF--PPSWP2
TO      6          ADD          BF--PPSWP1  CONT
TO      2          DIV          DAYSPY
PX      2
WRFKPP07  82022  PP-WET20120301          BF--PPSWP3
TO      6          MUL          BF--PPSWP2
PX      2
*****WET Days LARGE PULSE*****
WRFKPP07  XMONTH20120301          BF--PPLWP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          PPWLPD
PX      2
WRFKPP07  XMONTH20120301          BF--PPLWP2
TO      6          ADD          BF--PPLWP1  CONT
TO      2          DIV          DAYSPY
PX      2
WRFKPP07  82022  PP-WET20120301          BF--PPLWP3
TO      6          MUL          BF--PPLWP2
PX      2
*****set subsistence flow*****
IFPPSUBS  12294  PP-SUB20120301          PP-SUB1
TO      16          MUL          MIDDRY
PX      2
*****SET DRY BASE FLOW, *****
IFPP-DRY  28686  PP-DRY20120301          PP-DRY1
TO      16          MUL          MIDDRY
PX      2
WRPPNOSB  1  XMONTH20120301          PPNOSUB2
FS  12  MIDDRY  0  1  1  9999999  1
PX      2
WRFKPP01  20120301          HOLDPPBASE
TO      13          ADD          PP-DRY1
PX      2
WRFKPP02  20120301          PPNOSUB2
TO      2          ADD          BRPP27          CONT
TO      6          DIV          HOLDPPBASE  CONT
TO      6          ADD          PPNOSUB2
PX      2
IFPP-DRY  20120301          PP-DRY2
TO      13          ADD          PP-DRY1
FS  5  FKPP02  1  0  1  9999999  1
PX      2
IFPPSUBS  PP-SUB20120301  2          PP-SUB2
TO      2          ADD          BRPP27          CONT
TO      13          SUB          PP-SUB1  CONT
TO      2          DIV          HALF          CONT
TO      13          ADD          PP-SUB1
FS  5  FKPP02  0  1  1  9999999  1
PX      2
IFPP-DRY  20120301          PP-DRY3
TO      13          ADD          PP-SUB2  CONT
TO      13          MAX          PP-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFPP-AVG  50176  PP-AVG20120301          PP-AVG
TO      16          MUL          MIDAVG
PX      2
*****SET WET BASE FLOW, *****
IFPP-WET  82022  PP-WET20120301          PP-WET
TO      16          MUL          MIDWET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKPP02  3690  XMONTH20120301          FKPPDPLWP1
TO      6          ADD          BF--PP-DP3
PX      2
WRFKPP03  XMONTH20120301          PDPDWIRTRG
TO      2          ADD          BRPP27          CONT
TO      6          DIV          FKPPDPLWP1
PX      2
WRFKPP02  6600  XMONTH20120301          FKPPDPLSP1
TO      6          ADD          BF--PP-DP3
PX      2

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WRFKPP04      XMONTH20120301      PPDPSRTRG
TO 2          ADD          BRPP27          CONT
TO 6          DIV          FKPPDPLSP1
PX 2
**
WRFKPP02      5920 XMONTH20120301      FKPPDPULS1
TO 6          ADD          BF--PP-DP3
PX 2
**
WRFKPP05      XMONTH20120301      PPDPSUMTRG
TO 2          ADD          BRPP27          CONT
TO 6          DIV          FKPPDPULS1
PX 2
***** SMALL AVERAGE PULSE *****
WRFKPP06      3690 XMONTH20120301      FKPPAPLWP1
TO 6          ADD          BF--PPSAP3
PX 2
WRFKPP07      XMONTH20120301      PPAPWIRTR1
TO 2          ADD          BRPP27          CONT
TO 6          DIV          FKPPAPLWP1
PX 2
WRFKPP06      6600 XMONTH20120301      FKPPAPLSP1
TO 6          ADD          BF--PPSAP3
PX 2
WRFKPP08      XMONTH20120301      PPAPSRTR1
TO 2          ADD          BRPP27          CONT
TO 6          DIV          FKPPAPLSP1
PX 2
**
WRFKPP06      5920 XMONTH20120301      FKPPAPULS1
TO 6          ADD          BF--PPSAP3
PX 2
**
WRFKPP09      XMONTH20120301      PPAPSUMTR1
TO 2          ADD          BRPP27          CONT
TO 6          DIV          FKPPAPULS1
PX 2
***** LARGE AVERAGE PULSE *****
WRFKPP10      7180 XMONTH20120301      FKPPAPLWP2
TO 6          ADD          BF--PPLAP3
PX 2
WRFKPP11      XMONTH20120301      PPAPWIRTR2
TO 2          ADD          BRPP27          CONT
TO 6          DIV          FKPPAPLWP2
PX 2
WRFKPP10      20200 XMONTH20120301      FKPPAPLSP2
TO 6          ADD          BF--PPLAP3
PX 2
WRFKPP12      XMONTH20120301      PPAPSRTR2
TO 2          ADD          BRPP27          CONT
TO 6          DIV          FKPPAPLSP2
PX 2
**
WRFKPP10      13000 XMONTH20120301      FKPPAPULS2
TO 6          ADD          BF--PPLAP3
PX 2
**
WRFKPP13      XMONTH20120301      PPAPSUMTR2
TO 2          ADD          BRPP27          CONT
TO 6          DIV          FKPPAPULS2
PX 2
**
***** WET SMALL PULSE*****
WRFKPP14      3690 XMONTH20120301      FKPPWPLWP1
TO 6          ADD          BF--PPSWP3
PX 2
WRFKPP15      XMONTH20120301      PPWPWIRTR1
TO 2          ADD          BRPP27          CONT
TO 6          DIV          FKPPWPLWP1
PX 2
WRFKPP14      6600 XMONTH20120301      FKPPWPLSP1
TO 6          ADD          BF--PPSWP3
PX 2
WRFKPP16      XMONTH20120301      PPWPSRTR1
TO 2          ADD          BRPP27          CONT
TO 6          DIV          FKPPWPLSP1
PX 2
**
WRFKPP14      5920 XMONTH20120301      FKPPWPULS1
TO 6          ADD          BF--PPSWP3
PX 2
**
WRFKPP17      XMONTH20120301      PPWPSUMTR1
TO 2          ADD          BRPP27          CONT

```

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```

TO      6          DIV                      FKPPWPULS1
PX      2
***** WET LARGE PULSE*****
WRFKPP18  7180  XMONTH20120301                FKPPWPLWP2
TO      6          ADD                      BF--PPLWP3
PX      2
WRFKPP19          XMONTH20120301                PPWPWIRTR2
TO      2          ADD                      BRPP27                CONT
TO      6          DIV                      FKPPWPLWP2
PX      2
WRFKPP18  20200 XMONTH20120301                FKPPWPLSP2
TO      6          ADD                      BF--PPLWP3
PX      2
WRFKPP20          XMONTH20120301                PPWPSPRTR2
TO      2          ADD                      BRPP27                CONT
TO      6          DIV                      FKPPWPLSP2
PX      2
**
WRFKPP18  13000 XMONTH20120301                FKPPWPULS2
TO      6          ADD                      BF--PPLWP3
PX      2
**
WRFKPP21          XMONTH20120301                PPWPSPRTR2
TO      2          ADD                      BRPP27                CONT
TO      6          DIV                      FKPPWPULS2
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFPPDPUL  3690  XMONTH20120301                PPDPLWP1
TO      6          ADD                      BF--PP-DP3
FS      5  FKPP03      1      0      1 9999999  2  1  2  4 11  2
PX      2
IFPPDPUL  3690  XMONTH20120301      3                PPDPLWP2
TO      6          ADD                      BF--PP-DP3
FS      5  FKPP03      1      0      1 9999999  2  1  2  0 11  2
PX      2
IFPPDPUL  6600  XMONTH20120301                PPDPLSP1
TO      6          ADD                      BF--PP-DP3
FS      5  FKPP04      1      0      1 9999999  2  1  2  4  3  6
PX      2
IFPPDPUL  6600  XMONTH20120301      3                PPDPLSP2
TO      6          ADD                      BF--PP-DP3
FS      5  FKPP04      1      0      1 9999999  2  1  2  0  3  6
PX      2
IFPPDPUL  5920  XMONTH20120301                PPDPLS1
TO      6          ADD                      BF--PP-DP3
FS      5  FKPP05      1      0      1 9999999  2  1  2  4  7 10
PX      2
IFPPDPUL  5920  XMONTH20120301      3                PPDPLS2
TO      6          ADD                      BF--PP-DP3
FS      5  FKPP05      1      0      1 9999999  2  1  2  0  7 10
PX      2
***** AVG SMALL PULSE*****
IFPPASPL  3690  XMONTH20120301                PPAPLSW1
TO      6          ADD                      BF--PPSAP3
FS      5  FKPP07      1      0      1 9999999  2  1  4  4 11  2
PX      2
IFPPASPL  3690  XMONTH20120301      3                PPAPLSW2
TO      6          ADD                      BF--PPSAP3
FS      5  FKPP07      1      0      1 9999999  2  1  4  0 11  2
PX      2
IFPPASPL  6600  XMONTH20120301                PPASPS1
TO      6          ADD                      BF--PPSAP3
FS      5  FKPP08      1      0      1 9999999  2  1  4  4  3  6
PX      2
IFPPASPL  6600  XMONTH20120301      3                PPASPS2
TO      6          ADD                      BF--PPSAP3
FS      5  FKPP08      1      0      1 9999999  2  1  4  0  3  6
PX      2
IFPPASPL  5920  XMONTH20120301                PPASPLS1
TO      6          ADD                      BF--PPSAP3
FS      5  FKPP09      1      0      1 9999999  2  1  4  4  7 10
PX      2
IFPPASPL  5920  XMONTH20120301      3                PPASPLS2
TO      6          ADD                      BF--PPSAP3
FS      5  FKPP09      1      0      1 9999999  2  1  4  0  7 10
PX      2
***** AVG LARGE PULSE*****
IFPPALPL  7180  XMONTH20120301                PPAPLLW1
TO      6          ADD                      BF--PPLAP3
FS      5  FKPP11      1      0      1 9999999  2  1  2  4 11  2
PX      2
IFPPALPL  7180  XMONTH20120301      3                PPAPLLW2

```


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```

TO      6      ADD
FS      5      FKPP11      1      0      1 9999999 2 1 2 0 11 2
PX      2
IFPPALPL 20200 XMONTH20120301 PPALPSP1
TO      6      ADD
FS      5      FKPP12      1      0      1 9999999 2 1 2 4 3 6
PX      2
IFPPALPL 20200 XMONTH20120301 3 PPALPSP2
TO      6      ADD
FS      5      FKPP12      1      0      1 9999999 2 1 2 0 3 6
PX      2
IFPPALPL 13000 XMONTH20120301 PPALPLS1
TO      6      ADD
FS      5      FKPP13      1      0      1 9999999 2 1 2 4 7 10
PX      2
IFPPALPL 13000 XMONTH20120301 3 PPALPLS2
TO      6      ADD
FS      5      FKPP13      1      0      1 9999999 2 1 2 0 7 10
PX      2
***** WET SMALL PULSE *****
IFPPWSPL 3690 XMONTH20120301 PPSWPP1
TO      6      ADD
FS      5      FKPP15      1      0      1 9999999 2 1 4 4 11 2
PX      2
IFPPWSPL 3690 XMONTH20120301 3 PPSWPP2
TO      6      ADD
FS      5      FKPP15      1      0      1 9999999 2 1 4 0 11 2
PX      2
IFPPWSPL 6600 XMONTH20120301 PPSWPPS1
TO      6      ADD
FS      5      FKPP16      1      0      1 9999999 2 1 4 4 3 6
PX      2
IFPPWSPL 6600 XMONTH20120301 3 PPSWPPS2
TO      6      ADD
FS      5      FKPP16      1      0      1 9999999 2 1 4 0 3 6
PX      2
IFPPWSPL 5920 XMONTH20120301 PPSWPLS1
TO      6      ADD
FS      5      FKPP17      1      0      1 9999999 2 1 4 4 7 10
PX      2
IFPPWSPL 5920 XMONTH20120301 3 PPSWPLS2
TO      6      ADD
FS      5      FKPP17      1      0      1 9999999 2 1 4 0 7 10
PX      2
***** WET LARGE PULSE*****
IFPPWLPL 7180 XMONTH20120301 PPLWPP1
TO      6      ADD
FS      5      FKPP19      1      0      1 9999999 2 1 3 4 11 2
PX      2
IFPPWLPL 7180 XMONTH20120301 3 PPLWPP2
TO      6      ADD
FS      5      FKPP19      1      0      1 9999999 2 1 3 0 11 2
PX      2
IFPPWLPL 20200 XMONTH20120301 PPLWPPS1
TO      6      ADD
FS      5      FKPP20      1      0      1 9999999 2 1 3 4 3 6
PX      2
IFPPWLPL 20200 XMONTH20120301 3 PPLWPPS2
TO      6      ADD
FS      5      FKPP20      1      0      1 9999999 2 1 3 0 3 6
PX      2
IFPPWLPL 13000 XMONTH20120301 PPLWPLS1
TO      6      ADD
FS      5      FKPP21      1      0      1 9999999 2 1 3 4 7 10
PX      2
IFPPWLPL 13000 XMONTH20120301 3 PPLWPLS2
TO      6      ADD
FS      5      FKPP21      1      0      1 9999999 2 1 3 0 7 10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFPPDPUL 20120301 PDPDFIN
TO      13     ADD
TO      13     ADD
TO      13     ADD
TO      16     MUL
PX      2
***** SMALL AVERAGE *****
IFPPASPL 20120301 PPASPFIN
TO      13     ADD
TO      13     ADD
TO      13     ADD
TO      16     MUL
PX      2

```

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```
***** LARGE AVERAGE *****
IFPPALPL          20120301          PPALPFIN
TO 13            ADD                PFAPLLW2    CONT
TO 13            ADD                PPALPSP2    CONT
TO 13            ADD                PPALPLS2    CONT
TO 16            MUL                MIDAVG
PX 2
```

```
***** SMALL WET *****
IFPPWSPL          20120301          PPWSPFIN
TO 13            ADD                PPSWPP2     CONT
TO 13            ADD                PPSWFSP2    CONT
TO 13            ADD                PPSWPLS2    CONT
TO 16            MUL                MIDWET
PX 2
```

```
***** LARGE WET *****
IFPPWLPL          20120301          PPWLPFIN
TO 13            ADD                PPLWPP2     CONT
TO 13            ADD                PPLWFSP2    CONT
TO 13            ADD                PPLWPLS2    CONT
TO 16            MUL                MIDWET
PX 2
```

**BRAZOS RIVER NEAR GLEN ROSE

```
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRGR          20120301          1.0000          DMRLBRGR  SB3DUM
TO 2              1.0              BRGR30
PX 2
```

** FNI Change end

** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
 ** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.

```
*****Dry Days*****
WRFake08          XMONTH20120301          BF--GR-DP1
TO 2              ADD                DAYSPY      CONT
TO 2              SUB                GRDPND
```

```
WRFake08          XMONTH20120301          BF--GR-DP2
TO 6              ADD                BF--GR-DP1  CONT
TO 2              DIV                DAYSPY
```

```
WRFake08          30364 GR-DRY20120301          BF--GR-DP3
TO 6              MUL                BF--GR-DP2
PX 2
```

```
*****Avg Days SMALL PULSE*****
WRFake08          XMONTH20120301          BF--GRSAP1
TO 2              ADD                DAYSPY      CONT
TO 2              SUB                GRASPD
```

```
WRFake08          XMONTH20120301          BF--GRSAP2
TO 6              ADD                BF--GRSAP1  CONT
TO 2              DIV                DAYSPY
```

```
WRFake08          57605 GR-AVG20120301          BF--GRSAP3
TO 6              MUL                BF--GRSAP2
PX 2
```

```
*****Avg Days LARGE PULSE*****
WRFake08          XMONTH20120301          BF--GRLAP1
TO 2              ADD                DAYSPY      CONT
TO 2              SUB                GRALPD
```

```
WRFake08          XMONTH20120301          BF--GRLAP2
TO 6              ADD                BF--GRLAP1  CONT
TO 2              DIV                DAYSPY
```

```
WRFake08          57605 GR-AVG20120301          BF--GRLAP3
TO 6              MUL                BF--GRLAP2
PX 2
```

```
*****WET Days SMALL PULSE*****
WRFake08          XMONTH20120301          BF--GRSWP1
TO 2              ADD                DAYSPY      CONT
TO 2              SUB                GRWSPD
```

```
WRFake08          XMONTH20120301          BF--GRSWP2
TO 6              ADD                BF--GRSWP1  CONT
TO 2              DIV                DAYSPY
```

```
WRFake08          118127 GR-WET20120301          BF--GRSWP3
TO 6              MUL                BF--GRSWP2
PX 2
```

```
*****WET Days LARGE PULSE*****
WRFake08          XMONTH20120301          BF--GRLWP1
TO 2              ADD                DAYSPY      CONT
TO 2              SUB                GRWLPD
```

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```

PX      2
WRFKGR08      XMONTH20120301      BF--GRLWP2
TO      6      ADD      BF--GRLWP1      CONT
PX      2      DIV      DAYSPY
WRFKGR08      118127      GR-WET20120301      BF--GRLWP3
TO      6      MUL      BF--GRLWP2
PX      2
*****set subsistence flow*****
IFGRSUBS      11571      GR-SUB20120301      GR-SUB1
TO      16      MUL      MIDDRY
PX      2
*****SET DRY BASE FLOW, *****
IFGR-DRY      30364      GR-DRY20120301      GR-DRY1
TO      16      MUL      MIDDRY
PX      2
WRGRNOSB      1      XMONTH20120301      GRNOSUB2
FS      12      MIDDRY      0      1      1      9999999      1
PX      2
WRFKGR01      20120301      HOLDGRBASE
TO      13      ADD      GR-DRY1
PX      2
WRFKGR02      20120301      GRONOFF
TO      2      ADD      BRGR30      CONT
TO      6      DIV      HOLDGRBASE      CONT
TO      6      ADD      GRNOSUB2
PX      2
IFGR-DRY      20120301      GR-DRY2
TO      13      ADD      GR-DRY1
FS      5      FKGR02      1      0      1      9999999      1
PX      2
IFGRSUBS      GR-SUB20120301      2      GR-SUB2
TO      2      ADD      BRGR30      CONT
TO      13      SUB      GR-SUB1      CONT
TO      2      DIV      HALF      CONT
TO      13      ADD      GR-SUB1
FS      5      FKGR02      0      1      1      9999999      1
PX      2
IFGR-DRY      20120301      GR-DRY3
TO      13      ADD      GR-SUB2      CONT
TO      13      MAX      GR-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFGR-AVG      57605      GR-AVG20120301      GR-AVG
TO      16      MUL      MIDAVG
PX      2
*****SET WET BASE FLOW, *****
IFGR-WET      118127      GR-WET20120301      GR-WET
TO      16      MUL      MIDWET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKGR02      5400      XMONTH20120301      FKGRDPLWP1
TO      6      ADD      BF--GR-DP3
PX      2
WRFKGR03      XMONTH20120301      GRDPWIRTRG
TO      2      ADD      BRGR30      CONT
TO      6      DIV      FKGRDPLWP1
PX      2
WRFKGR02      14300      XMONTH20120301      FKGRDPLSP1
TO      6      ADD      BF--GR-DP3
PX      2
WRFKGR04      XMONTH20120301      GRDPSPRTRG
TO      2      ADD      BRGR30      CONT
TO      6      DIV      FKGRDPLSP1
PX      2
**
WRFKGR02      7830      XMONTH20120301      FKGRDPULS1
TO      6      ADD      BF--GR-DP3
PX      2
**
WRFKGR05      XMONTH20120301      GRDPSUMTRG
TO      2      ADD      BRGR30      CONT
TO      6      DIV      FKGRDPULS1
PX      2
***** SMALL AVERAGE PULSE *****
WRFKGR06      5400      XMONTH20120301      FKGRAPLWP1
TO      6      ADD      BF--GRSAP3
PX      2
WRFKGR07      XMONTH20120301      GRAPWIRTR1
TO      2      ADD      BRGR30      CONT
TO      6      DIV      FKGRAPLWP1
PX      2

```

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```

WRFKGR06 14300 XMONTH20120301          FKGRAPLSP1
TO 6          ADD                      BF--GRSAP3
PX 2
WRFKGR08          XMONTH20120301          GRAPSPRTR1
TO 2          ADD                      BRGR30          CONT
TO 6          DIV                      FKGRAPLSP1
PX 2
**
WRFKGR06 7830 XMONTH20120301          FKGRAPULS1
TO 6          ADD                      BF--GRSAP3
PX 2
**
WRFKGR09          XMONTH20120301          GRAPSUMTR1
TO 2          ADD                      BRGR30          CONT
TO 6          DIV                      FKGRAPULS1
PX 2
***** LARGE AVERAGE PULSE *****
WRFKGR10 10800 XMONTH20120301          FKGRAPLWP2
TO 6          ADD                      BF--GRLAP3
PX 2
WRFKGR11          XMONTH20120301          GRAPWIRTR2
TO 2          ADD                      BRGR30          CONT
TO 6          DIV                      FKGRAPLWP2
PX 2
WRFKGR10 46700 XMONTH20120301          FKGRAPLSP2
TO 6          ADD                      BF--GRLAP3
PX 2
WRFKGR12          XMONTH20120301          GRAPSPRTR2
TO 2          ADD                      BRGR30          CONT
TO 6          DIV                      FKGRAPLSP2
PX 2
**
WRFKGR10 21200 XMONTH20120301          FKGRAPULS2
TO 6          ADD                      BF--GRLAP3
PX 2
**
WRFKGR13          XMONTH20120301          GRAPSUMTR2
TO 2          ADD                      BRGR30          CONT
TO 6          DIV                      FKGRAPULS2
PX 2
**
***** WET SMALL PULSE*****
WRFKGR14 5400 XMONTH20120301          FKGRWPLWP1
TO 6          ADD                      BF--GRSWP3
PX 2
WRFKGR15          XMONTH20120301          GRWPWIRTR1
TO 2          ADD                      BRGR30          CONT
TO 6          DIV                      FKGRWPLWP1
PX 2
WRFKGR14 14300 XMONTH20120301          FKGRWPLSP1
TO 6          ADD                      BF--GRSWP3
PX 2
WRFKGR16          XMONTH20120301          GRWPSPRTR1
TO 2          ADD                      BRGR30          CONT
TO 6          DIV                      FKGRWPLSP1
PX 2
**
WRFKGR14 7830 XMONTH20120301          FKGRWPULS1
TO 6          ADD                      BF--GRSWP3
PX 2
**
WRFKGR17          XMONTH20120301          GRWPSUMTR1
TO 2          ADD                      BRGR30          CONT
TO 6          DIV                      FKGRWPULS1
PX 2
***** WET LARGE PULSE*****
WRFKGR18 10800 XMONTH20120301          FKGRWPLWP2
TO 6          ADD                      BF--GRLWP3
PX 2
WRFKGR19          XMONTH20120301          GRWPWIRTR2
TO 2          ADD                      BRGR30          CONT
TO 6          DIV                      FKGRWPLWP2
PX 2
WRFKGR18 46700 XMONTH20120301          FKGRWPLSP2
TO 6          ADD                      BF--GRLWP3
PX 2
WRFKGR20          XMONTH20120301          GRWPSPRTR2
TO 2          ADD                      BRGR30          CONT
TO 6          DIV                      FKGRWPLSP2
PX 2
**
WRFKGR18 21200 XMONTH20120301          FKGRWPULS2
TO 6          ADD                      BF--GRLWP3
PX 2

```

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```

**
WRFKGR21      XMONTH20120301      GRWPSUMTR2
TO 2          ADD          BRGR30          CONT
TO 6          DIV          FKGRWPULS2
PX 2
**
    
```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season) *****

```

***** DRY *****
IFGRDPUL 5400 XMONTH20120301 GRDPLWP1
TO 6          ADD          BF--GR-DP3
FS 5 FKGR03 1 0 1 9999999 2 1 2 4 11 2
PX 2
IFGRDPUL 5400 XMONTH20120301 3 GRDPLWP2
TO 6          ADD          BF--GR-DP3
FS 5 FKGR03 1 0 1 9999999 2 1 2 0 11 2
PX 2
IFGRDPUL 14300 XMONTH20120301 GRDPLSP1
TO 6          ADD          BF--GR-DP3
FS 5 FKGR04 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFGRDPUL 14300 XMONTH20120301 3 GRDPLSP2
TO 6          ADD          BF--GR-DP3
FS 5 FKGR04 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFGRDPUL 7830 XMONTH20120301 GRDPULS1
TO 6          ADD          BF--GR-DP3
FS 5 FKGR05 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFGRDPUL 7830 XMONTH20120301 3 GRDPULS2
TO 6          ADD          BF--GR-DP3
FS 5 FKGR05 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** AVG SMALL PULSE*****
IFGRASPL 5400 XMONTH20120301 GRAPLSW1
TO 6          ADD          BF--GRSAP3
FS 5 FKGR07 1 0 1 9999999 2 1 4 4 11 2
PX 2
IFGRASPL 5400 XMONTH20120301 3 GRAPLSW2
TO 6          ADD          BF--GRSAP3
FS 5 FKGR07 1 0 1 9999999 2 1 4 0 11 2
PX 2
IFGRASPL 14300 XMONTH20120301 GRASPSP1
TO 6          ADD          BF--GRSAP3
FS 5 FKGR08 1 0 1 9999999 2 1 4 4 3 6
PX 2
IFGRASPL 14300 XMONTH20120301 3 GRASPSP2
TO 6          ADD          BF--GRSAP3
FS 5 FKGR08 1 0 1 9999999 2 1 4 0 3 6
PX 2
IFGRASPL 7830 XMONTH20120301 GRASPLS1
TO 6          ADD          BF--GRSAP3
FS 5 FKGR09 1 0 1 9999999 2 1 4 4 7 10
PX 2
IFGRASPL 7830 XMONTH20120301 3 GRASPLS2
TO 6          ADD          BF--GRSAP3
FS 5 FKGR09 1 0 1 9999999 2 1 4 0 7 10
PX 2
***** AVG LARGE PULSE*****
IFGRALPL 10800 XMONTH20120301 GRAPLLW1
TO 6          ADD          BF--GRLAP3
FS 5 FKGR11 1 0 1 9999999 2 1 2 4 11 2
PX 2
IFGRALPL 10800 XMONTH20120301 3 GRAPLLW2
TO 6          ADD          BF--GRLAP3
FS 5 FKGR11 1 0 1 9999999 2 1 2 0 11 2
PX 2
IFGRALPL 46700 XMONTH20120301 GRALPSP1
TO 6          ADD          BF--GRLAP3
FS 5 FKGR12 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFGRALPL 46700 XMONTH20120301 3 GRALPSP2
TO 6          ADD          BF--GRLAP3
FS 5 FKGR12 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFGRALPL 21200 XMONTH20120301 GRALPLS1
TO 6          ADD          BF--GRLAP3
FS 5 FKGR13 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFGRALPL 21200 XMONTH20120301 3 GRALPLS2
TO 6          ADD          BF--GRLAP3
FS 5 FKGR13 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** WET SMALL PULSE *****
IFGRWSPL 5400 XMONTH20120301 GRSWPWP1
    
```

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```

TO 6 ADD BF--GRSWP3
FS 5 FKGR15 1 0 1 9999999 2 1 4 4 11 2
PX 2
IFGRWSPL 5400 XMONTH20120301 3 GRSWPWP2
TO 6 ADD BF--GRSWP3
FS 5 FKGR15 1 0 1 9999999 2 1 4 0 11 2
PX 2
IFGRWSPL 14300 XMONTH20120301 GRSWPSP1
TO 6 ADD BF--GRSWP3
FS 5 FKGR16 1 0 1 9999999 2 1 4 4 3 6
PX 2
IFGRWSPL 14300 XMONTH20120301 3 GRSWPSP2
TO 6 ADD BF--GRSWP3
FS 5 FKGR16 1 0 1 9999999 2 1 4 0 3 6
PX 2
IFGRWSPL 7830 XMONTH20120301 GRSWPLS1
TO 6 ADD BF--GRSWP3
FS 5 FKGR17 1 0 1 9999999 2 1 4 4 7 10
PX 2
IFGRWSPL 7830 XMONTH20120301 3 GRSWPLS2
TO 6 ADD BF--GRSWP3
FS 5 FKGR17 1 0 1 9999999 2 1 4 0 7 10
PX 2
***** WET LARGE PULSE*****
IFGRWLPL 10800 XMONTH20120301 GRLWPWP1
TO 6 ADD BF--GRLWP3
FS 5 FKGR19 1 0 1 9999999 2 1 3 4 11 2
PX 2
IFGRWLPL 10800 XMONTH20120301 3 GRLWPWP2
TO 6 ADD BF--GRLWP3
FS 5 FKGR19 1 0 1 9999999 2 1 3 0 11 2
PX 2
IFGRWLPL 46700 XMONTH20120301 GRLWPSP1
TO 6 ADD BF--GRLWP3
FS 5 FKGR20 1 0 1 9999999 2 1 3 4 3 6
PX 2
IFGRWLPL 46700 XMONTH20120301 3 GRLWPSP2
TO 6 ADD BF--GRLWP3
FS 5 FKGR20 1 0 1 9999999 2 1 3 0 3 6
PX 2
IFGRWLPL 21200 XMONTH20120301 GRLWPLS1
TO 6 ADD BF--GRLWP3
FS 5 FKGR21 1 0 1 9999999 2 1 3 4 7 10
PX 2
IFGRWLPL 21200 XMONTH20120301 3 GRLWPLS2
TO 6 ADD BF--GRSWP3
FS 5 FKGR21 1 0 1 9999999 2 1 3 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFGRDPUL 20120301 GRDPFIN
TO 13 ADD GRDPLWP2 CONT
TO 13 ADD GRDPLSP2 CONT
TO 13 ADD GRDPULS2 CONT
TO 16 MUL MIDDRY
PX 2
***** SMALL AVERAGE *****
IFGRASPL 20120301 GRASPFIN
TO 13 ADD GRAPLSW2 CONT
TO 13 ADD GRASPSP2 CONT
TO 13 ADD GRASPLS2 CONT
TO 16 MUL MIDAVG
PX 2
***** LARGE AVERAGE *****
IFGRALPL 20120301 GRALPFIN
TO 13 ADD GRAPLLW2 CONT
TO 13 ADD GRALPSP2 CONT
TO 13 ADD GRALPLS2 CONT
TO 16 MUL MIDAVG
PX 2
***** SMALL WET*****
IFGRWSPL 20120301 GRWSPFIN
TO 13 ADD GRSWPWP2 CONT
TO 13 ADD GRSWPSP2 CONT
TO 13 ADD GRSWPLS2 CONT
TO 16 MUL MIDWET
PX 2
***** LARGE WET*****
IFGRWLPL 20120301 GRWLPFIN
TO 13 ADD GRLWPWP2 CONT
TO 13 ADD GRLWPSP2 CONT
TO 13 ADD GRLWPLS2 CONT
TO 16 MUL MIDWET
PX 2
    
```

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



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```

**
** NORTH BOSQUE NEAR CLIFTON
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMNBCL      20120301      DMRLNBCL  SB3DUM
TO      2      ADD      NBCL36
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake09      XMONTH20120301      BF--NB-DP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      NBDPND
PX      2
WRFake09      XMONTH20120301      BF--NB-DP2
TO      6      ADD      BF--NB-DP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFake09      3612  NB-DRY20120301      BF--NB-DP3
TO      6      MUL      BF--NB-DP2
PX      2
*****Avg Days*****
WRFake09      XMONTH20120301      BF--NB-AP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      NBAPND
PX      2
WRFake09      XMONTH20120301      BF--NB-AP2
TO      6      ADD      BF--NB-AP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFake09      8670  NB-AVG20120301      BF--NB-AP3
TO      6      MUL      BF--NB-AP2
PX      2
*****WET Days*****
WRFake09      XMONTH20120301      BF--NB-WP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      NBWFND
PX      2
WRFake09      XMONTH20120301      BF--NB-WP2
TO      6      ADD      BF--NB-WP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFake09      18064 NB-WET20120301      BF--NB-WP3
TO      6      MUL      BF--NB-WP2
PX      2
*****set subsistence flow*****
IFNBSubs      723  NB-SUB20120301      NB-SUB1
TO      16      MUL      LOWDRY
PX      2
*****SET DRY BASE FLOW, *****
IFNB-DRY      3612  NB-DRY20120301      NB-DRY1
TO      16      MUL      LOWDRY
PX      2
WRNBNSB      1  XMONTH20120301      NBNSUB2
FS      12  LOWDRY      0      1      1 9999999  1
PX      2
WRFKNB01      20120301      HOLDNBBASE
TO      13      ADD      NB-DRY1
PX      2
WRFKNB02      20120301      NBONOFF
TO      2      ADD      NBCL36      CONT
TO      6      DIV      HOLDNBBASE  CONT
TO      6      ADD      NBNSUB2
PX      2
IFNB-DRY      20120301      NB-DRY2
TO      13      ADD      NB-DRY1
FS      5  FKNB02      1      0      1 9999999  1
PX      2
IFNBSubs      NB-SUB20120301  2      NB-SUB2
TO      2      ADD      NBCL36      CONT
TO      13      SUB      NB-SUB1  CONT
TO      2      DIV      HALF      CONT
TO      13      ADD      NB-SUB1
FS      5  FKNB02      0      1      1 9999999  1
PX      2
IFNB-DRY      20120301      NB-DRY3
TO      13      ADD      NB-SUB2  CONT
TO      13      MAX      NB-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFNB-AVG      8670  NB-AVG20120301      NB-AVG
TO      16      MUL      LOWAVG

```

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```

PX      2
*****SET WET BASE FLOW, *****
IFNB-WET  18064  NB-WET20120301          NB-WET
TO      16      MUL                      LOWWET
PX      2
*****
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKNB02  3490  XMONTH20120301          FKNBDPLSP1
TO      6      ADD                      BF--NB-DP3
PX      2
WRFKNB03          XMONTH20120301          NBDPSPRTRG
TO      2      ADD                      NBCL36          CONT
TO      6      DIV                      FKNBDPLSP1
PX      2
**
***** AVG *****
WRFKNB04  3490  XMONTH20120301          FKNBAPLSP1
TO      6      ADD                      BF--NB-AP3
PX      2
WRFKNB05          XMONTH20120301          NBAPSPRTRG
TO      2      ADD                      NBCL36          CONT
TO      6      DIV                      FKNBAPLSP1
PX      2
**
***** WET *****
WRFKNB06  750   XMONTH20120301          FKNBWPULW1
TO      6      ADD                      BF--NB-WP3
PX      2
WRFKNB07          XMONTH20120301          NBWPWIRTRG
TO      2      ADD                      NBCL36          CONT
TO      6      DIV                      FKNBWPULW1
PX      2
**
WRFKNB06  3490  XMONTH20120301          FKNBWPLSP1
TO      6      ADD                      BF--NB-WP3
PX      2
WRFKNB08          XMONTH20120301          NBWPSPRTRG
TO      2      ADD                      NBCL36          CONT
TO      6      DIV                      FKNBWPLSP1
PX      2
**
WRFKNB06  500   XMONTH20120301          FKNBWPULS1
TO      6      ADD                      BF--NB-WP3
PX      2
**
WRFKNB09          XMONTH20120301          NBWPSUMTRG
TO      2      ADD                      NBCL36          CONT
TO      6      DIV                      FKNBWPULS1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFNBDPUL  3490  XMONTH20120301          NBDPLSP1
TO      6      ADD                      BF--NB-DP3
FS      5  FKNB03      1      0      1 9999999  2  1  1  4  3  6
PX      2
IFNBDPUL  3490  XMONTH20120301      3          NBDPLSP2
TO      6      ADD                      BF--NB-DP3
FS      5  FKNB03      1      0      1 9999999  2  1  1  0  3  6
PX      2
***** AVG *****
IFNBAPUL  3490  XMONTH20120301          NBAPLSP1
TO      6      ADD                      BF--NB-AP3
FS      5  FKNB05      1      0      1 9999999  2  1  3  4  3  6
PX      2
IFNBAPUL  3490  XMONTH20120301      3          NBAPLSP2
TO      6      ADD                      BF--NB-AP3
FS      5  FKNB05      1      0      1 9999999  2  1  3  0  3  6
PX      2
***** WET *****
IFNBWPUL  750   XMONTH20120301          NBWPULW1
TO      6      ADD                      BF--NB-WP3
FS      5  FKNB07      1      0      1 9999999  2  1  2  4  11  2
PX      2
IFNBWPUL  750   XMONTH20120301      3          NBWPULW2
TO      6      ADD                      BF--NB-WP3
FS      5  FKNB07      1      0      1 9999999  2  1  2  0  11  2
PX      2
IFNBWPUL  3490  XMONTH20120301          NBWPLSP1
TO      6      ADD                      BF--NB-WP3
FS      5  FKNB08      1      0      1 9999999  2  1  3  4  3  6
PX      2

```


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```

IFNBWPUL 3490 XMONTH20120301 3 NBWPLSP2
TO 6 ADD BF--NB-WP3
FS 5 FKNB08 1 0 1 9999999 2 1 3 0 3 6
PX 2
IFNBWPUL 500 XMONTH20120301 NBWPULS1
TO 6 ADD BF--NB-WP3
FS 5 FKNB09 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFNBWPUL 500 XMONTH20120301 3 NBWPULS2
TO 6 ADD BF--NB-WP3
FS 5 FKNB09 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFNBDFPUL 20120301 NBDPFIN
TO 13 ADD NBDPLSP2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVG *****
IFNBAPUL 20120301 NBAPFIN
TO 13 ADD NBAPLSP2 CONT
TO 16 MUL LOWAVG
PX 2
***** WET *****
IFNBWPUL 20120301 NBWPFIN
TO 13 ADD NBWPULW2 CONT
TO 13 ADD NBWPLSP2 CONT
TO 13 ADD NBWPULS2 CONT
TO 16 MUL LOWWET
PX 2
**
**BRAZOS RIVER NEAR WACO
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRWA 20120301 1.0000 DMRLBRWA SB3DUM
TO 2 1.0 BRWA41
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake10 XMONTH20120301 BF--WA-DP1
TO 2 ADD DAYSPY CONT
TO 2 SUB WADPND
PX 2
WRFake10 XMONTH20120301 BF--WA-DP2
TO 6 ADD BF--WA-DP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake10 98901 WA-DRY20120301 BF--WA-DP3
TO 6 MUL BF--WA-DP2
PX 2
*****Avg PULSE DAYS*****
WRFake10 XMONTH20120301 BF--WASAP1
TO 2 ADD DAYSPY CONT
TO 2 SUB WAASPD
PX 2
WRFake10 XMONTH20120301 BF--WASAP2
TO 6 ADD BF--WASAP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake10 176106 WA-AVG20120301 BF--WASAP3
TO 6 MUL BF--WASAP2
PX 2
*****WET PULSE DAYS*****
WRFake10 XMONTH20120301 BF--WASWP1
TO 2 ADD DAYSPY CONT
TO 2 SUB WAWSPD
PX 2
WRFake10 XMONTH20120301 BF--WASWP2
TO 6 ADD BF--WASWP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake10 424651 WA-WET20120301 BF--WASWP3
TO 6 MUL BF--WASWP2
PX 2
*****set subsistence flow*****
IFWASUBS 40499 WA-SUB20120301 WA-SUB1
TO 16 MUL LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFWA-DRY 98901 WA-DRY20120301 WA-DRY1
TO 16 MUL LOWDRY
    
```

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```

PX      2
WRWANOSB      1 XMONTH20120301      WANOSUB2
FS      12 LOWDRY      0      1      1 9999999      1
PX      2
WRFKWA01      20120301      HOLDWABASE
TO      13      ADD      WA-DRY1
PX      2
WRFKWA02      20120301      WAONOFF
TO      2      ADD      BRWA41      CONT
TO      6      DIV      HOLDWABASE      CONT
TO      6      ADD      WANOSUB2
PX      2
IFWA-DRY      20120301      WA-DRY2
TO      13      ADD      WA-DRY1
FS      5 FKWA02      1      0      1 9999999      1
PX      2
IFWASUBS      WA-SUB20120301      2      WA-SUB2
TO      2      ADD      BRWA41      CONT
TO      13      SUB      WA-SUB1      CONT
TO      2      DIV      HALF      CONT
TO      13      ADD      WA-SUB1
FS      5 FKWA02      0      1      1 9999999      1
PX      2
IFWA-DRY      20120301      WA-DRY3
TO      13      ADD      WA-SUB2      CONT
TO      13      MAX      WA-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFWA-AVG 176106 WA-AVG20120301      WA-AVG
TO      16      MUL      LOWAVG
PX      2
*****SET WET BASE FLOW, *****
IFWA-WET 424651 WA-WET20120301      WA-WET
TO      16      MUL      LOWWET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKWA02 12400 XMONTH20120301      FKWADPLWP1
TO      6      ADD      BF--WA-DP3
PX      2
WRFKWA03      XMONTH20120301      WADPWIRTRG
TO      2      ADD      BRWA41      CONT
TO      6      DIV      FKWADPLWP1
PX      2
WRFKWA02 32700 XMONTH20120301      FKWADPLSP1
TO      6      ADD      BF--WA-DP3
PX      2
WRFKWA04      XMONTH20120301      WADPSRTRG
TO      2      ADD      BRWA41      CONT
TO      6      DIV      FKWADPLSP1
PX      2
**
WRFKWA02 10500 XMONTH20120301      FKWADPULS1
TO      6      ADD      BF--WA-DP3
PX      2
**
WRFKWA05      XMONTH20120301      WADPSUMTRG
TO      2      ADD      BRWA41      CONT
TO      6      DIV      FKWADPULS1
***** AVERAGE PULSE *****
WRFKWA06 12400 XMONTH20120301      FKWAAPLWP1
TO      6      ADD      BF--WASAP3
PX      2
WRFKWA07      XMONTH20120301      WAAPWIRTR1
TO      2      ADD      BRWA41      CONT
TO      6      DIV      FKWAAPLWP1
PX      2
WRFKWA06 32700 XMONTH20120301      FKWAAPLSP1
TO      6      ADD      BF--WASAP3
PX      2
WRFKWA08      XMONTH20120301      WAAPSPRTR2
TO      2      ADD      BRWA41      CONT
TO      6      DIV      FKWAAPLSP1
PX      2
**
WRFKWA06 10500 XMONTH20120301      FKWAAPULS1
TO      6      ADD      BF--WASAP3
PX      2
**
WRFKWA09      XMONTH20120301      WAAPSUMTR1
TO      2      ADD      BRWA41      CONT
TO      6      DIV      FKWAAPULS1

```

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```

PX      2
***** WET PULSE*****
WRFKWA10 25700 XMONTH20120301          FKWAWPLWP1
TO      6          ADD                      BF--WASWP3
PX      2
WRFKWA11          XMONTH20120301          WAWPWIRTR1
TO      2          ADD                      BRWA41          CONT
TO      6          DIV                      FKWAWPLWP1
PX      2
WRFKWA10 102000 XMONTH20120301          FKWAWPLSP1
TO      6          ADD                      BF--WASWP3
PX      2
WRFKWA12          XMONTH20120301          WAWPSPRTR1
TO      2          ADD                      BRWA41          CONT
TO      6          DIV                      FKWAWPLSP1
PX      2
**
WRFKWA10 26400 XMONTH20120301          FKWAWPULS1
TO      6          ADD                      BF--WASWP3
PX      2
**
WRFKWA13          XMONTH20120301          WAWPSUMTR1
TO      2          ADD                      BRWA41          CONT
TO      6          DIV                      FKWAWPULS1
PX      2
**

```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

***** DRY *****

```

IFWADPUL 12400 XMONTH20120301          WADPLWP1
TO      6          ADD                      BF--WA-DP3
FS      5 FKWA03          1          0          1 9999999 2 1 1 4 11 2
PX      2
IFWADPUL 12400 XMONTH20120301 3          WADPLWP2
TO      6          ADD                      BF--WA-DP3
FS      5 FKWA03          1          0          1 9999999 2 1 1 0 11 2
PX      2
IFWADPUL 32700 XMONTH20120301          WADPLSP1
TO      6          ADD                      BF--WA-DP3
FS      5 FKWA04          1          0          1 9999999 2 1 1 4 3 6
PX      2
IFWADPUL 32700 XMONTH20120301 3          WADPLSP2
TO      6          ADD                      BF--WA-DP3
FS      5 FKWA04          1          0          1 9999999 2 1 1 0 3 6
PX      2
IFWADPUL 10500 XMONTH20120301          WADPULS1
TO      6          ADD                      BF--WA-DP3
FS      5 FKWA05          1          0          1 9999999 2 1 1 4 7 10
PX      2
IFWADPUL 10500 XMONTH20120301 3          WADPULS2
TO      6          ADD                      BF--WA-DP3
FS      5 FKWA05          1          0          1 9999999 2 1 1 0 7 10
PX      2

```

***** AVG PULSE*****

```

IFWAASPL 12400 XMONTH20120301          WAAPLSW1
TO      6          ADD                      BF--WASAP3
FS      5 FKWA07          1          0          1 9999999 2 1 3 4 11 2
PX      2
IFWAASPL 12400 XMONTH20120301 3          WAAPLSW2
TO      6          ADD                      BF--WASAP3
FS      5 FKWA07          1          0          1 9999999 2 1 3 0 11 2
PX      2
IFWAASPL 32700 XMONTH20120301          WAASPS1
TO      6          ADD                      BF--WASAP3
FS      5 FKWA08          1          0          1 9999999 2 1 3 4 3 6
PX      2
IFWAASPL 32700 XMONTH20120301 3          WAASPS2
TO      6          ADD                      BF--WASAP3
FS      5 FKWA08          1          0          1 9999999 2 1 3 0 3 6
PX      2
IFWAASPL 10500 XMONTH20120301          WAASPLS1
TO      6          ADD                      BF--WASAP3
FS      5 FKWA09          1          0          1 9999999 2 1 3 4 7 10
PX      2
IFWAASPL 10500 XMONTH20120301 3          WAASPLS2
TO      6          ADD                      BF--WASAP3
FS      5 FKWA09          1          0          1 9999999 2 1 3 0 7 10
PX      2

```

***** WET PULSE *****

```

IFWAWSP 25700 XMONTH20120301          WASWPWP1
TO      6          ADD                      BF--WASWP3
FS      5 FKWA11          1          0          1 9999999 2 1 2 4 11 2
PX      2
IFWAWSP 25700 XMONTH20120301 3          WASWPWP2
TO      6          ADD                      BF--WASWP3

```

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```

FS 5 FKWA11 1 0 1 9999999 2 1 2 0 11 2
PX 2
IFWAWSP 102000 XMONTH20120301 WASWPSP1
TO 6 ADD BF--WASWP3
FS 5 FKWA12 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFWAWSP 102000 XMONTH20120301 3 WASWPSP2
TO 6 ADD BF--WASWP3
FS 5 FKWA12 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFWAWSP 26400 XMONTH20120301 WASWPLS1
TO 6 ADD BF--WASWP3
FS 5 FKWA13 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFWAWSP 26400 XMONTH20120301 3 WASWPLS2
TO 6 ADD BF--WASWP3
FS 5 FKWA13 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFWADPUL 20120301 WADPFIN
TO 13 ADD WADPLWP2 CONT
TO 13 ADD WADPLSP2 CONT
TO 13 ADD WADPULS2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVERAGE *****
IFWAASPL 20120301 WAASPFIN
TO 13 ADD WAAPLSW2 CONT
TO 13 ADD WAASPS2 CONT
TO 13 ADD WAASPLS2 CONT
TO 16 MUL LOWAVG
PX 2
***** WET *****
IFWAWSP 20120301 WAWSPFIN
TO 13 ADD WASWPWP2 CONT
TO 13 ADD WASWPSP2 CONT
TO 13 ADD WASWPLS2 CONT
TO 16 MUL LOWWET
PX 2
** LEON RIVER AT GATESVILLE
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMLEGT 20120301 1.0000 DMRLLEGT SB3DUM
TO 2 1.0 LEGT47
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake11 XMONTH20120301 BF--GT-DP1
TO 2 ADD DAYSPY CONT
TO 2 SUB GTDPND
PX 2
WRFake11 XMONTH20120301 BF--GT-DP2
TO 6 ADD BF--GT-DP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake11 5533 GT-DRY20120301 BF--GT-DP3
TO 6 MUL BF--GT-DP2
PX 2
*****Avg PULSE DAYS*****
WRFake11 XMONTH20120301 BF--GTSAP1
TO 2 ADD DAYSPY CONT
TO 2 SUB GTASPD
PX 2
WRFake11 XMONTH20120301 BF--GTSAP2
TO 6 ADD BF--GTSAP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake11 13482 GT-AVG20120301 BF--GTSAP3
TO 6 MUL BF--GTSAP2
PX 2
*****WET PULSE DAYS*****
WRFake11 XMONTH20120301 BF--GTSWP1
TO 2 ADD DAYSPY CONT
TO 2 SUB GTWSPD
PX 2
WRFake11 XMONTH20120301 BF--GTSWP2
TO 6 ADD BF--GTSWP1 CONT
TO 2 DIV DAYSPY
PX 2

```

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```

WRFKAKE11 32001 GT-WET20120301 BF--GTSWP3
TO 6 MUL BF--GTSWP2
PX 2
*****set subsistence flow*****
IFGTSUBS 723 GT-SUB20120301 GT-SUB1
TO 16 MUL LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFGT-DRY 5533 GT-DRY20120301 GT-DRY1
TO 16 MUL LOWDRY
PX 2
WRGTNOSB 1 XMONTH20120301 GTNOSUB2
FS 12 LOWDRY 0 1 1 9999999 1
PX 2
WRFKGT01 20120301 HOLDGTBASE
TO 13 ADD GT-DRY1
PX 2
WRFKGT02 20120301 GTONOFF
TO 2 ADD LEGT47 CONT
TO 6 DIV HOLDGTBASE CONT
TO 6 ADD GTNOSUB2
PX 2
IFGT-DRY 20120301 GT-DRY2
TO 13 ADD GT-DRY1
FS 5 FKGT02 1 0 1 9999999 1
PX 2
IFGTSUBS GT-SUB20120301 2 GT-SUB2
TO 2 ADD LEGT47 CONT
TO 13 SUB GT-SUB1 CONT
TO 2 DIV HALF CONT
TO 13 ADD GT-SUB1
FS 5 FKGT02 0 1 1 9999999 1
PX 2
IFGT-DRY 20120301 GT-DRY3
TO 13 ADD GT-SUB2 CONT
TO 13 MAX GT-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFGT-AVG 13482 GT-AVG20120301 GT-AVG
TO 16 MUL LOWAVG
PX 2
*****SET WET BASE FLOW, *****
IFGT-WET 32001 GT-WET20120301 GT-WET
TO 16 MUL LOWWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKGT02 0 XMONTH20120301 FKGTDPULP1
TO 6 ADD BF--GT-DP3
PX 2
WRFKGT03 XMONTH20120301 GTDPWIRTRG
TO 2 ADD LEGT47 CONT
TO 6 DIV FKGTDPULP1
PX 2
WRFKGT04 1910 XMONTH20120301 FKGTDPULP1
TO 6 ADD BF--GT-DP3
PX 2
WRFKGT05 XMONTH20120301 GTDPSPRTRG
TO 2 ADD LEGT47 CONT
TO 6 DIV FKGTDPULP1
PX 2
**
WRFKGT02 220 XMONTH20120301 FKGTDPULP1
TO 6 ADD BF--GT-DP3
PX 2
**
WRFKGT05 XMONTH20120301 GTDPSUMTRG
TO 2 ADD LEGT47 CONT
TO 6 DIV FKGTDPULP1
PX 2
***** AVERAGE PULSE *****
WRFKGT06 0 XMONTH20120301 FKGTAPLWP1
TO 6 ADD BF--GTSAP3
PX 2
WRFKGT07 XMONTH20120301 GTAPWIRTR1
TO 2 ADD LEGT47 CONT
TO 6 DIV FKGTAPLWP1
PX 2
WRFKGT08 1910 XMONTH20120301 FKGTAPLSP1
TO 6 ADD BF--GTSAP3
PX 2
WRFKGT08 XMONTH20120301 GTAPSPRTR2
TO 2 ADD LEGT47 CONT
    
```

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```

TO      6          DIV          FKG TAPLSP1
PX      2
**
WRFKGT06      220  XMONTH20120301          FKG TAPULS1
TO      6          ADD          BF--GTSAP3
PX      2
**
WRFKGT09          XMONTH20120301          GTAPSUMTR1
TO      2          ADD          LEGT47          CONT
TO      6          DIV          FKG TAPULS1
PX      2
***** WET PULSE*****
WRFKGT10      540  XMONTH20120301          FKG TWPLWP1
TO      6          ADD          BF--GTSWP3
PX      2
WRFKGT11          XMONTH20120301          GTWPWIRTR1
TO      2          ADD          LEGT47          CONT
TO      6          DIV          FKG TWPLWP1
PX      2
WRFKGT10      4050 XMONTH20120301          FKG TWPLSP1
TO      6          ADD          BF--GTSWP3
PX      2
WRFKGT12          XMONTH20120301          GTWPSPRTR1
TO      2          ADD          LEGT47          CONT
TO      6          DIV          FKG TWPLSP1
PX      2
**
WRFKGT10      600  XMONTH20120301          FKG TWPLSP1
TO      6          ADD          BF--GTSWP3
PX      2
**
WRFKGT13          XMONTH20120301          GTWPSUMTR1
TO      2          ADD          LEGT47          CONT
TO      6          DIV          FKG TWPLSP1
PX      2
**

```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

```

***** DRY *****
IFGTD PUL      1910 XMONTH20120301          GTDPLSP1
TO      6          ADD          BF--GT-DP3
FS      5  FKG T04      1      0      1 9999999 2 1 1 4 3 6
PX      2
IFGTD PUL      1910 XMONTH20120301      3          GTDPLSP2
TO      6          ADD          BF--GT-DP3
FS      5  FKG T04      1      0      1 9999999 2 1 1 0 3 6
PX      2
IFGTD PUL      220  XMONTH20120301          GTDPULS1
TO      6          ADD          BF--GT-DP3
FS      5  FKG T05      1      0      1 9999999 2 1 1 4 7 10
PX      2
IFGTD PUL      220 XMONTH20120301      3          GTDPULS2
TO      6          ADD          BF--GT-DP3
FS      5  FKG T05      1      0      1 9999999 2 1 1 0 7 10
PX      2
***** AVG PULSE*****
IFGTASPL      1910 XMONTH20120301          GTASPSP1
TO      6          ADD          BF--GTSAP3
FS      5  FKG T08      1      0      1 9999999 2 1 3 4 3 6
PX      2
IFGTASPL      1910 XMONTH20120301      3          GTASPSP2
TO      6          ADD          BF--GTSAP3
FS      5  FKG T08      1      0      1 9999999 2 1 3 0 3 6
PX      2
IFGTASPL      220  XMONTH20120301          GTASPLS1
TO      6          ADD          BF--GTSAP3
FS      5  FKG T09      1      0      1 9999999 2 1 3 4 7 10
PX      2
IFGTASPL      220 XMONTH20120301      3          GTASPLS2
TO      6          ADD          BF--GTSAP3
FS      5  FKG T09      1      0      1 9999999 2 1 3 0 7 10
PX      2
***** WET PULSE *****
IFGTWSPL      540  XMONTH20120301          GTSWPWP1
TO      6          ADD          BF--GTSWP3
FS      5  FKG T11      1      0      1 9999999 2 1 2 4 11 2
PX      2
IFGTWSPL      540 XMONTH20120301      3          GTSWPWP2
TO      6          ADD          BF--GTSWP3
FS      5  FKG T11      1      0      1 9999999 2 1 2 0 11 2
PX      2
IFGTWSPL      4050 XMONTH20120301          GTSWPSP1
TO      6          ADD          BF--GTSWP3
FS      5  FKG T12      1      0      1 9999999 2 1 2 4 3 6
PX      2

```

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```

IFGTWSPL 4050 XMONTH20120301 3          GTSWPSP2
TO 6          ADD                      BF--GTSWP3
FS 5  FKGT12  1      0      1 9999999  2  1  2  0  3  6
PX 2
IFGTWSPL 600  XMONTH20120301          GTSWPLS1
TO 6          ADD                      BF--GTSWP3
FS 5  FKGT13  1      0      1 9999999  2  1  2  4  7  10
PX 2
IFGTWSPL 600  XMONTH20120301 3          GTSWPLS2
TO 6          ADD                      BF--GTSWP3
FS 5  FKGT13  1      0      1 9999999  2  1  2  0  7  10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFGTFUL 20120301          GTDPFIN
TO 13          ADD                      GTDPLSP2  CONT
TO 13          ADD                      GTDPULS2  CONT
TO 16          MUL                      LOWDRY
PX 2
***** AVERAGE *****
IFGTASPL 20120301          GTASPFIN
TO 13          ADD                      GTASPS2  CONT
TO 13          ADD                      GTASPLS2  CONT
TO 16          MUL                      LOWAVG
PX 2
***** WET *****
IFGTWSPL 20120301          GTWSPFIN
TO 13          ADD                      GTSWPWP2  CONT
TO 13          ADD                      GTSWPSP2  CONT
TO 13          ADD                      GTSWPLS2  CONT
TO 16          MUL                      LOWWET
PX 2
**
** LITTLE RIVER NEAR KEMPNER
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMLAKE 20120301 1.0000          DMRLAKE  SB3DUM
TO 2  1.0          LAKE50
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake12 XMONTH20120301          BF--LA-DP1
TO 2          ADD                      DAYSPY          CONT
TO 2          SUB                      LADPND
PX 2
WRFake12 XMONTH20120301          BF--LA-DP2
TO 6          ADD                      BF--LA-DP1  CONT
TO 2          DIV                      DAYSPY
PX 2
WRFake12 13255 LA-DRY20120301          BF--LA-DP3
TO 6          MUL                      BF--LA-DP2
PX 2
*****Avg PULSE DAYS*****
WRFake12 XMONTH20120301          BF--LASAP1
TO 2          ADD                      DAYSPY          CONT
TO 2          SUB                      LAAPND
PX 2
WRFake12 XMONTH20120301          BF--LASAP2
TO 6          ADD                      BF--LASAP1  CONT
TO 2          DIV                      DAYSPY
PX 2
WRFake12 19035 LA-AVG20120301          BF--LASAP3
TO 6          MUL                      BF--LASAP2
PX 2
*****WET PULSE DAYS*****
WRFake12 XMONTH20120301          BF--LASWP1
TO 2          ADD                      DAYSPY          CONT
TO 2          SUB                      LAWPNL
PX 2
WRFake12 XMONTH20120301          BF--LASWP2
TO 6          ADD                      BF--LASWP1  CONT
TO 2          DIV                      DAYSPY
PX 2
WRFake12 27466 LA-WET20120301          BF--LASWP3
TO 6          MUL                      BF--LASWP2
PX 2
*****set subsistence flow*****
IFLASUBS 7232 LA-SUB20120301          LA-SUB1
TO 16          MUL                      LOWDRY
PX 2
*****SET DRY BASE FLOW, *****

```

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```

IFLA-DRY 13255 LA-DRY20120301 LA-DRY1
TO 16 MUL LOWDRY
PX 2
WRLANOSB 1 XMONTH20120301 LANOSUB2
FS 12 LOWDRY 0 1 1 9999999 1
PX 2
WRFKLA01 20120301 HOLDLABASE
TO 13 ADD LA-DRY1
PX 2
WRFKLA02 20120301 LAONOFF
TO 2 ADD LAKE50 CONT
TO 6 DIV HOLDLABASE CONT
TO 6 ADD LANOSUB2
PX 2
IFLA-DRY 20120301 LA-DRY2
TO 13 ADD LA-DRY1
FS 5 FKLA02 1 0 1 9999999 1
PX 2
IFLASUBS LA-SUB20120301 2 LA-SUB2
TO 2 ADD LAKE50 CONT
TO 13 SUB LA-SUB1 CONT
TO 2 DIV HALF CONT
TO 13 ADD LA-SUB1
FS 5 FKLA02 0 1 1 9999999 1
PX 2
IFLA-DRY 20120301 LA-DRY3
TO 13 ADD LA-SUB2 CONT
TO 13 MAX LA-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFLA-AVG 19035 LA-AVG20120301 LA-AVG
TO 16 MUL LOWAVG
PX 2
*****SET WET BASE FLOW, *****
IFLA-WET 27466 LA-WET20120301 LA-WET
TO 16 MUL LOWWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKLA02 430 XMONTH20120301 FKLADPLWP1
TO 6 ADD BF--LA-DP3
PX 2
WRFKLA03 XMONTH20120301 LADPWIRTRG
TO 2 ADD LAKE50 CONT
TO 6 DIV FKLADPLWP1
PX 2
WRFKLA02 4020 XMONTH20120301 FKLADPLSP1
TO 6 ADD BF--LA-DP3
PX 2
WRFKLA04 XMONTH20120301 LADPSRTRG
TO 2 ADD LAKE50 CONT
TO 6 DIV FKLADPLSP1
PX 2
**
WRFKLA02 270 XMONTH20120301 FKLADPULS1
TO 6 ADD BF--LA-DP3
PX 2
**
WRFKLA05 XMONTH20120301 LADPSUMTRG
TO 2 ADD LAKE50 CONT
TO 6 DIV FKLADPULS1
PX 2
***** AVERAGE PULSE *****
WRFKLA06 430 XMONTH20120301 FKLAAPLWP1
TO 6 ADD BF--LASAP3
PX 2
WRFKLA07 XMONTH20120301 LAAPWIRTR1
TO 2 ADD LAKE50 CONT
TO 6 DIV FKLAAPLWP1
PX 2
WRFKLA06 4020 XMONTH20120301 FKLAAPLSP1
TO 6 ADD BF--LASAP3
PX 2
WRFKLA08 XMONTH20120301 LAAPSPRTR2
TO 2 ADD LAKE50 CONT
TO 6 DIV FKLAAPLSP1
PX 2
**
WRFKLA06 270 XMONTH20120301 FKLAAAPULS1
TO 6 ADD BF--LASAP3
PX 2
**
WRFKLA09 XMONTH20120301 LAAPSUMTR1
    
```


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```

TO 2 ADD LAKE50 CONT
TO 6 DIV FKLAAAPULS1
PX 2
***** WET PULSE*****
WRFKLA10 1150 XMONTH20120301 FKLAWPLWP1
TO 6 ADD BF--LASWP3
PX 2
WRFKLA11 XMONTH20120301 LAKE50 LAWPWIRTR1
TO 2 ADD LAKE50 CONT
TO 6 DIV FKLAWPLWP1
PX 2
WRFKLA10 6860 XMONTH20120301 FKLAWPLSP1
TO 6 ADD BF--LASWP3
PX 2
WRFKLA12 XMONTH20120301 LAKE50 LAWPSRTR1
TO 2 ADD LAKE50 CONT
TO 6 DIV FKLAWPLSP1
PX 2
**
WRFKLA10 680 XMONTH20120301 FKLAWPULS1
TO 6 ADD BF--LASWP3
PX 2
**
WRFKLA13 XMONTH20120301 LAKE50 LAWPSUMTR1
TO 2 ADD LAKE50 CONT
TO 6 DIV FKLAWPULS1
PX 2
**
    
```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season) *****

```

***** DRY *****
IFLADPUL 430 XMONTH20120301 LADPLWP1
TO 6 ADD BF--LA-DP3
FS 5 FKLA03 1 0 1 9999999 2 1 1 4 11 2
PX 2
IFLADPUL 430 XMONTH20120301 3 LADPLWP2
TO 6 ADD BF--LA-DP3
FS 5 FKLA03 1 0 1 9999999 2 1 1 0 11 2
PX 2
IFLADPUL 4020 XMONTH20120301 LADPLSP1
TO 6 ADD BF--LA-DP3
FS 5 FKLA04 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFLADPUL 4020 XMONTH20120301 3 LADPLSP2
TO 6 ADD BF--LA-DP3
FS 5 FKLA04 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFLADPUL 270 XMONTH20120301 LADPULS1
TO 6 ADD BF--LA-DP3
FS 5 FKLA05 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFLADPUL 270 XMONTH20120301 3 LADPULS2
TO 6 ADD BF--LA-DP3
FS 5 FKLA05 1 0 1 9999999 2 1 1 0 7 10
PX 2
    
```

```

***** AVG PULSE*****
IFLAASPL 430 XMONTH20120301 LAAPLSW1
TO 6 ADD BF--LASAP3
FS 5 FKLA07 1 0 1 9999999 2 1 3 4 11 2
PX 2
IFLAASPL 430 XMONTH20120301 3 LAAPLSW2
TO 6 ADD BF--LASAP3
FS 5 FKLA07 1 0 1 9999999 2 1 3 0 11 2
PX 2
IFLAASPL 4020 XMONTH20120301 LAASPS1
TO 6 ADD BF--LASAP3
FS 5 FKLA08 1 0 1 9999999 2 1 3 4 3 6
PX 2
IFLAASPL 4020 XMONTH20120301 3 LAASPS2
TO 6 ADD BF--LASAP3
FS 5 FKLA08 1 0 1 9999999 2 1 3 0 3 6
PX 2
IFLAASPL 270 XMONTH20120301 LAASPLS1
TO 6 ADD BF--LASAP3
FS 5 FKLA09 1 0 1 9999999 2 1 3 4 7 10
PX 2
IFLAASPL 270 XMONTH20120301 3 LAASPLS2
TO 6 ADD BF--LASAP3
FS 5 FKLA09 1 0 1 9999999 2 1 3 0 7 10
PX 2
    
```

```

***** WET PULSE *****
IFLAWSP 1150 XMONTH20120301 LASWPWP1
TO 6 ADD BF--LASWP3
FS 5 FKLA11 1 0 1 9999999 2 1 2 4 11 2
PX 2
    
```

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```

IFLAWSPL 1150 XMONTH20120301 3 LASWPP2
TO 6 ADD BF--LASWP3
FS 5 FKLA11 1 0 1 9999999 2 1 2 0 11 2
PX 2
IFLAWSPL 6860 XMONTH20120301 LASWPP1
TO 6 ADD BF--LASWP3
FS 5 FKLA12 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFLAWSPL 6860 XMONTH20120301 3 LASWPP2
TO 6 ADD BF--LASWP3
FS 5 FKLA12 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFLAWSPL 680 XMONTH20120301 LASWPL1
TO 6 ADD BF--LASWP3
FS 5 FKLA13 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFLAWSPL 680 XMONTH20120301 3 LASWPL2
TO 6 ADD BF--LASWP3
FS 5 FKLA13 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFLADPUL 20120301 LADPFIN
TO 13 ADD LADPLWP2 CONT
TO 13 ADD LADPLSP2 CONT
TO 13 ADD LADPULS2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVERAGE *****
IFLAASPL 20120301 LAAPFIN
TO 13 ADD LAAPLSW2 CONT
TO 13 ADD LAASPSP2 CONT
TO 13 ADD LAASPLS2 CONT
TO 16 MUL LOWAVG
PX 2
***** WET*****
IFLAWSPL 20120301 LAWPFIN
TO 13 ADD LASWPP2 CONT
TO 13 ADD LASWPP2 CONT
TO 13 ADD LASWPLS2 CONT
TO 16 MUL LOWWET
PX 2
** LITTLE RIVER NEAR LITTLE RIVER
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMLRLR 20120301 1.0000 DMRLRLR SB3DUM
TO 2 1.0 LRLR53
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE13 XMONTH20120301 BF--LR-DP1
TO 2 ADD DAYSPLY CONT
TO 2 SUB LRDPND
PX 2
WRFAKE13 XMONTH20120301 BF--LR-DP2
TO 6 ADD BF--LR-DP1 CONT
TO 2 DIV DAYSPLY
PX 2
WRFAKE13 62929 LR-DRY20120301 BF--LR-DP3
TO 6 MUL BF--LR-DP2
PX 2
*****Avg PULSE DAYS*****
WRFAKE13 XMONTH20120301 BF--LRSAP1
TO 2 ADD DAYSPLY CONT
TO 2 SUB LRASPD
PX 2
WRFAKE13 XMONTH20120301 BF--LRSAP2
TO 6 ADD BF--LRSAP1 CONT
TO 2 DIV DAYSPLY
PX 2
WRFAKE13 91649 LR-AVG20120301 BF--LRSAP3
TO 6 MUL BF--LRSAP2
PX 2
*****WET PULSE DAYS*****
WRFAKE13 XMONTH20120301 BF--LRSWP1
TO 2 ADD DAYSPLY CONT
TO 2 SUB LRWSPD
PX 2
WRFAKE13 XMONTH20120301 BF--LRSWP2
TO 6 ADD BF--LRSWP1 CONT

```

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```

TO      2          DIV          DAYSPY
PX      2
WRFKLR01 176076 LR-WET20120301          BF--LRSWP3
TO      6          MUL          BF--LRSWP2
PX      2
*****set subsistence flow*****
IFLRSUBS 39776 LR-SUB20120301          LR-SUB1
TO      16         MUL          LOWDRY
PX      2
*****SET DRY BASE FLOW, *****
IFLDRY 62929 LR-DRY20120301          LR-DRY1
TO      16         MUL          LOWDRY
PX      2
WRLRNOSB 1 XMONTH20120301          LRNOSUB2
FS      12 LOWDRY 0 1 1 9999999 1
PX      2
WRFKLR01 20120301          HOLDLRBASE
TO      13         ADD          LR-DRY1
PX      2
WRFKLR02 20120301          LRONOFF
TO      2          ADD          LRLR53          CONT
TO      6          DIV          HOLDLRBASE          CONT
TO      6          ADD          LRNOSUB2
PX      2
IFLDRY 20120301          LR-DRY2
TO      13         ADD          LR-DRY1
FS      5 FKLRO2 1 0 1 9999999 1
PX      2
IFLRSUBS LR-SUB20120301 2          LR-SUB2
TO      2          ADD          LRLR53          CONT
TO      13         SUB          LR-SUB1          CONT
TO      2          DIV          HALF          CONT
TO      13         ADD          LR-SUB1
FS      5 FKLRO2 0 1 1 9999999 1
PX      2
IFLDRY 20120301          LR-DRY3
TO      13         ADD          LR-SUB2          CONT
TO      13         MAX          LR-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFLDRY 91649 LR-AVG20120301          LR-AVG
TO      16         MUL          LOWAVG
PX      2
*****SET WET BASE FLOW, *****
IFLDRY 176076 LR-WET20120301          LR-WET
TO      16         MUL          LOWWET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKLR02 2350 XMONTH20120301          FKLRDPLWP1
TO      6          ADD          BF--LR-DP3
PX      2
WRFKLR03 XMONTH20120301          LRDPWIRTRG
TO      2          ADD          LRLR53          CONT
TO      6          DIV          FKLRDPLWP1
PX      2
WRFKLR02 9760 XMONTH20120301          FKLRDPLSP1
TO      6          ADD          BF--LR-DP3
PX      2
WRFKLR04 XMONTH20120301          LRDPSPRTRG
TO      2          ADD          LRLR53          CONT
TO      6          DIV          FKLRDPLSP1
PX      2
**
WRFKLR02 1560 XMONTH20120301          FKLRDPULS1
TO      6          ADD          BF--LR-DP3
PX      2
**
WRFKLR05 XMONTH20120301          LRDPSPRTRG
TO      2          ADD          LRLR53          CONT
TO      6          DIV          FKLRDPULS1
PX      2
***** AVERAGE PULSE *****
WRFKLR06 2350 XMONTH20120301          FKLRAPLWP1
TO      6          ADD          BF--LRSAP3
PX      2
WRFKLR07 XMONTH20120301          LRDPWIRTR1
TO      2          ADD          LRLR53          CONT
TO      6          DIV          FKLRAPLWP1
PX      2
WRFKLR06 9760 XMONTH20120301          FKLRAPLSP1
TO      6          ADD          BF--LRSAP3
PX      2
    
```

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```

WRFKLR08      XMONTH20120301      LRLR53      LRAPSPRTR2
TO 2          ADD                      CONT
TO 6          DIV                      FKLRLAPLSP1
PX 2
**
WRFKLR06      1560 XMONTH20120301      FKLRLAPLSP1
TO 6          ADD                      BF--LRSAP3
PX 2
**
WRFKLR09      XMONTH20120301      LRLR53      LRAPSUMTR1
TO 2          ADD                      CONT
TO 6          DIV                      FKLRLAPLSP1
PX 2
***** WET PULSE*****
WRFKLR10      11800 XMONTH20120301      FKLRLWPLWP1
TO 6          ADD                      BF--LRSWP3
PX 2
WRFKLR11      XMONTH20120301      LRLR53      LRWPWIRTR1
TO 2          ADD                      CONT
TO 6          DIV                      FKLRLWPLWP1
PX 2
WRFKLR10      32200 XMONTH20120301      FKLRLWPLSP1
TO 6          ADD                      BF--LRSWP3
PX 2
WRFKLR12      XMONTH20120301      LRLR53      LRWPSRTR1
TO 2          ADD                      CONT
TO 6          DIV                      FKLRLWPLSP1
PX 2
**
WRFKLR10      5890 XMONTH20120301      FKLRLWPULS1
TO 6          ADD                      BF--LRSWP3
PX 2
**
WRFKLR13      XMONTH20120301      LRLR53      LRWPSUMTR1
TO 2          ADD                      CONT
TO 6          DIV                      FKLRLWPULS1
PX 2
**

```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

```

***** DRY *****
IFLRDPUL      2350 XMONTH20120301      LRDPLWP1
TO 6          ADD                      BF--LR-DP3
FS 5          FKLRO3      1      0      1 9999999 2 1 1 4 11 2
PX 2
IFLRDPUL      2350 XMONTH20120301      3      LRDPLWP2
TO 6          ADD                      BF--LR-DP3
FS 5          FKLRO3      1      0      1 9999999 2 1 1 0 11 2
PX 2
IFLRDPUL      9760 XMONTH20120301      LRDPLSP1
TO 6          ADD                      BF--LR-DP3
FS 5          FKLRO4      1      0      1 9999999 2 1 1 4 3 6
PX 2
IFLRDPUL      9760 XMONTH20120301      3      LRDPLSP2
TO 6          ADD                      BF--LR-DP3
FS 5          FKLRO4      1      0      1 9999999 2 1 1 0 3 6
PX 2
IFLRDPUL      1560 XMONTH20120301      LRDPLSP1
TO 6          ADD                      BF--LR-DP3
FS 5          FKLRO5      1      0      1 9999999 2 1 1 4 7 10
PX 2
IFLRDPUL      1560 XMONTH20120301      3      LRDPLSP2
TO 6          ADD                      BF--LR-DP3
FS 5          FKLRO5      1      0      1 9999999 2 1 1 0 7 10
PX 2
***** AVG PULSE*****
IFLRASPL      2350 XMONTH20120301      LRAPLSW1
TO 6          ADD                      BF--LRSAP3
FS 5          FKLRO7      1      0      1 9999999 2 1 3 4 11 2
PX 2
IFLRASPL      2350 XMONTH20120301      3      LRAPLSW2
TO 6          ADD                      BF--LRSAP3
FS 5          FKLRO7      1      0      1 9999999 2 1 3 0 11 2
PX 2
IFLRASPL      9760 XMONTH20120301      LRASPS1
TO 6          ADD                      BF--LRSAP3
FS 5          FKLRO8      1      0      1 9999999 2 1 3 4 3 6
PX 2
IFLRASPL      9760 XMONTH20120301      3      LRASPS2
TO 6          ADD                      BF--LRSAP3
FS 5          FKLRO8      1      0      1 9999999 2 1 3 0 3 6
PX 2
IFLRASPL      1560 XMONTH20120301      LRASPLS1
TO 6          ADD                      BF--LRSAP3
FS 5          FKLRO9      1      0      1 9999999 2 1 3 4 7 10

```

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```

PX      2
IFLRASPL 1560 XMONTH20120301 3          LRSWPLS2
TO      6          ADD                      BF--LRSAP3
FS      5 FKLRO9  1      0      1 9999999 2 1 3 0 7 10
PX      2
***** WET PULSE *****
IFLRWSPL 11800 XMONTH20120301          LRSWPWP1
TO      6          ADD                      BF--LRSWP3
FS      5 FKLRL1  1      0      1 9999999 2 1 2 4 11 2
PX      2
IFLRWSPL 11800 XMONTH20120301 3          LRSWPWP2
TO      6          ADD                      BF--LRSWP3
FS      5 FKLRL1  1      0      1 9999999 2 1 2 0 11 2
PX      2
IFLRWSPL 32200 XMONTH20120301          LRSWSPSP1
TO      6          ADD                      BF--LRSWP3
FS      5 FKLRL2  1      0      1 9999999 2 1 2 4 3 6
PX      2
IFLRWSPL 32200 XMONTH20120301 3          LRSWSPSP2
TO      6          ADD                      BF--LRSWP3
FS      5 FKLRL2  1      0      1 9999999 2 1 2 0 3 6
PX      2
IFLRWSPL 5890  XMONTH20120301          LRSWPLS1
TO      6          ADD                      BF--LRSWP3
FS      5 FKLRL3  1      0      1 9999999 2 1 2 4 7 10
PX      2
IFLRWSPL 5890  XMONTH20120301 3          LRSWPLS2
TO      6          ADD                      BF--LRSWP3
FS      5 FKLRL3  1      0      1 9999999 2 1 2 0 7 10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFLRDPUL 20120301          LRDPFIN
TO      13          ADD                      LRDPLWP2  CONT
TO      13          ADD                      LRDPLSP2  CONT
TO      13          ADD                      LRDPLS2  CONT
TO      16          MUL                      LOWDRY
PX      2
***** AVERAGE *****
IFLRASPL 20120301          LRASPFIN
TO      13          ADD                      LRAPLSW2  CONT
TO      13          ADD                      LRASPS2  CONT
TO      13          ADD                      LRASPLS2  CONT
TO      16          MUL                      LOWAVG
PX      2
***** WET *****
IFLRWSPL 20120301          LRWSPFIN
TO      13          ADD                      LRSWPWP2  CONT
TO      13          ADD                      LRSWPSP2  CONT
TO      13          ADD                      LRSWPLS2  CONT
TO      16          MUL                      LOWWET
PX      2
** LITTLE RIVER NEAR CAMERON
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMLRCA 20120301          1.0000          DMRLLRCA  SB3DUM
TO      2      1.0          LRCA58
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE14 XMONTH20120301          BF--CA-DP1
TO      2          ADD                      DAYSPY          CONT
TO      2          SUB                      CADPND
PX      2
WRFAKE14 XMONTH20120301          BF--CA-DP2
TO      6          ADD                      BF--CA-DP1  CONT
TO      2          DIV                      DAYSPY
PX      2
WRFAKE14 83632 CA-DRY20120301          BF--CA-DP3
TO      6          MUL                      BF--CA-DP2
PX      2
*****Avg PULSE DAYS*****
WRFAKE14 XMONTH20120301          BF--CASAP1
TO      2          ADD                      DAYSPY          CONT
TO      2          SUB                      CAASPD
PX      2
WRFAKE14 XMONTH20120301          BF--CASAP2
TO      6          ADD                      BF--CASAP1  CONT
TO      2          DIV                      DAYSPY
PX      2

```

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```

WRFKA14 159088 CA-AVG20120301 BF--CASAP3
TO 6 MUL BF--CASAP2
PX 2
*****WET PULSE DAYS*****
WRFKA14 XMONTH20120301 BF--CASWP1
TO 2 ADD DAYSPY CONT
TO 2 SUB CAWSPD
PX 2
WRFKA14 XMONTH20120301 BF--CASWP2
TO 6 ADD BF--CASWP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFKA14 373478 CA-WET20120301 BF--CASWP3
TO 6 MUL BF--CASWP2
PX 2
*****set subsistence flow*****
IFCASUBS 23142 CA-SUB20120301 CA-SUB1
TO 16 MUL LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFCA-DRY 83632 CA-DRY20120301 CA-DRY1
TO 16 MUL LOWDRY
PX 2
WRCANOSB 1 XMONTH20120301 CANOSUB2
FS 12 LOWDRY 0 1 1 9999999 1
PX 2
WRFKA01 20120301 HOLDCABASE
TO 13 ADD CA-DRY1
PX 2
WRFKA02 20120301 CAONOFF
TO 2 ADD LRCA58 CONT
TO 6 DIV HOLDCABASE CONT
TO 6 ADD CANOSUB2
PX 2
IFCA-DRY 20120301 CA-DRY2
TO 13 ADD CA-DRY1
FS 5 FKCA02 1 0 1 9999999 1
PX 2
IFCASUBS CA-SUB20120301 2 CA-SUB2
TO 2 ADD LRCA58 CONT
TO 13 SUB CA-SUB1 CONT
TO 2 DIV HALF CONT
TO 13 ADD CA-SUB1
FS 5 FKCA02 0 1 1 9999999 1
PX 2
IFCA-DRY 20120301 CA-DRY3
TO 13 ADD CA-SUB2 CONT
TO 13 MAX CA-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFCA-AVG 159088 CA-AVG20120301 CA-AVG
TO 16 MUL LOWAVG
PX 2
*****SET WET BASE FLOW, *****
IFCA-WET 373478 CA-WET20120301 CA-WET
TO 16 MUL LOWWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKA02 6680 XMONTH20120301 FKCADPLWP1
TO 6 ADD BF--CA-DP3
PX 2
WRFKA03 XMONTH20120301 CADPWIRTRG
TO 2 ADD LRCA58 CONT
TO 6 DIV FKCADPLWP1
PX 2
WRFKA02 23900 XMONTH20120301 FKCADPLSP1
TO 6 ADD BF--CA-DP3
PX 2
WRFKA04 XMONTH20120301 CADPSPRTRG
TO 2 ADD LRCA58 CONT
TO 6 DIV FKCADPLSP1
PX 2
**
WRFKA02 2860 XMONTH20120301 FKCADPULS1
TO 6 ADD BF--CA-DP3
PX 2
**
WRFKA05 XMONTH20120301 CADPSUMTRG
TO 2 ADD LRCA58 CONT
TO 6 DIV FKCADPULS1
PX 2
***** AVERAGE PULSE *****

```

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```

WRFKCA06 6680 XMONTH20120301 FKCAAPLWP1
TO 6 ADD BF--CASAP3
PX 2
WRFKCA07 XMONTH20120301 CAAPWIRTR1
TO 2 ADD LRCA58 CONT
TO 6 DIV FKCAAPLWP1
PX 2
WRFKCA06 23900 XMONTH20120301 FKCAAPLSP1
TO 6 ADD BF--CASAP3
PX 2
WRFKCA08 XMONTH20120301 CAAPSPRTR2
TO 2 ADD LRCA58 CONT
TO 6 DIV FKCAAPLSP1
PX 2
**
WRFKCA06 2860 XMONTH20120301 FKCAAPULS1
TO 6 ADD BF--CASAP3
PX 2
**
WRFKCA09 XMONTH20120301 CAAPSUMTR1
TO 2 ADD LRCA58 CONT
TO 6 DIV FKCAAPULS1
PX 2
***** WET PULSE*****
WRFKCA10 14900 XMONTH20120301 FKCAWPLWP1
TO 6 ADD BF--CASWP3
PX 2
WRFKCA11 XMONTH20120301 CAWPWIRTR1
TO 2 ADD LRCA58 CONT
TO 6 DIV FKCAWPLWP1
PX 2
WRFKCA10 38400 XMONTH20120301 FKCAWPLSP1
TO 6 ADD BF--CASWP3
PX 2
WRFKCA12 XMONTH20120301 CAWPSRTR1
TO 2 ADD LRCA58 CONT
TO 6 DIV FKCAWPLSP1
PX 2
**
WRFKCA10 5550 XMONTH20120301 FKCAWPULS1
TO 6 ADD BF--CASWP3
PX 2
**
WRFKCA13 XMONTH20120301 CAWPUSUMTR1
TO 2 ADD LRCA58 CONT
TO 6 DIV FKCAWPULS1
PX 2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFCADPUL 6680 XMONTH20120301 CADPLWP1
TO 6 ADD BF--CA-DP3
FS 5 FKCA03 1 0 1 9999999 2 1 1 4 11 2
PX 2
IFCADPUL 6680 XMONTH20120301 3 CADPLWP2
TO 6 ADD BF--CA-DP3
FS 5 FKCA03 1 0 1 9999999 2 1 1 0 11 2
PX 2
IFCADPUL 23900 XMONTH20120301 CADPLSP1
TO 6 ADD BF--CA-DP3
FS 5 FKCA04 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFCADPUL 23900 XMONTH20120301 3 CADPLSP2
TO 6 ADD BF--CA-DP3
FS 5 FKCA04 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFCADPUL 2860 XMONTH20120301 CADPULS1
TO 6 ADD BF--CA-DP3
FS 5 FKCA05 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFCADPUL 2860 XMONTH20120301 3 CADPULS2
TO 6 ADD BF--CA-DP3
FS 5 FKCA05 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** AVG PULSE*****
IFCAASPL 6680 XMONTH20120301 CAAPLSW1
TO 6 ADD BF--CASAP3
FS 5 FKCA07 1 0 1 9999999 2 1 3 4 11 2
PX 2
IFCAASPL 6680 XMONTH20120301 3 CAAPLSW2
TO 6 ADD BF--CASAP3
FS 5 FKCA07 1 0 1 9999999 2 1 3 0 11 2
PX 2
IFCAASPL 23900 XMONTH20120301 CAASPS1

```

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```

TO 6 ADD BF--CASAP3
FS 5 FKCA08 1 0 1 9999999 2 1 3 4 3 6
PX 2
IFCAASPL 23900 XMONTH20120301 3 CAASPSP2
TO 6 ADD BF--CASAP3
FS 5 FKCA08 1 0 1 9999999 2 1 3 0 3 6
PX 2
IFCAASPL 2860 XMONTH20120301 CAASPLS1
TO 6 ADD BF--CASAP3
FS 5 FKCA09 1 0 1 9999999 2 1 3 4 7 10
PX 2
IFCAASPL 2860 XMONTH20120301 3 CAASPLS2
TO 6 ADD BF--CASAP3
FS 5 FKCA09 1 0 1 9999999 2 1 3 0 7 10
PX 2
***** WET PULSE *****
IFCAWSPL 14900 XMONTH20120301 CASWPWP1
TO 6 ADD BF--CASWP3
FS 5 FKCA11 1 0 1 9999999 2 1 2 4 11 2
PX 2
IFCAWSPL 14900 XMONTH20120301 3 CASWPWP2
TO 6 ADD BF--CASWP3
FS 5 FKCA11 1 0 1 9999999 2 1 2 0 11 2
PX 2
IFCAWSPL 38400 XMONTH20120301 CASWPSP1
TO 6 ADD BF--CASWP3
FS 5 FKCA12 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFCAWSPL 38400 XMONTH20120301 3 CASWPSP2
TO 6 ADD BF--CASWP3
FS 5 FKCA12 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFCAWSPL 5550 XMONTH20120301 CASWPLS1
TO 6 ADD BF--CASWP3
FS 5 FKCA13 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFCAWSPL 5550 XMONTH20120301 3 CASWPLS2
TO 6 ADD BF--CASWP3
FS 5 FKCA13 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFCADPUL 20120301 CADPFIN
TO 13 ADD CADPLWP2 CONT
TO 13 ADD CADPLSP2 CONT
TO 13 ADD CADPULS2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVERAGE *****
IFCAASPL 20120301 CAASPFIN
TO 13 ADD CAAPLSW2 CONT
TO 13 ADD CAASPSP2 CONT
TO 13 ADD CAASPLS2 CONT
TO 16 MUL LOWAVG
PX 2
***** WET *****
IFCAWSPL 20120301 CAWSPFIN
TO 13 ADD CASWPWP2 CONT
TO 13 ADD CASWPSP2 CONT
TO 13 ADD CASWPLS2 CONT
TO 16 MUL LOWWET
PX 2
**
**BRAZOS RIVER NEAR BRYAN
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRBR 20120301 1.0000 DMRLBRBR SB3DUM
TO 2 1.0 BRBR59
PX 2
**FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE15 XMONTH20120301 BF--BR-DP1
TO 2 ADD DAYSPY CONT
TO 2 SUB BRDFND
PX 2
WRFAKE15 XMONTH20120301 BF--BR-DP2
TO 6 ADD BF--BR-DP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFAKE15 453509 BR-DRY20120301 BF--BR-DP3
TO 6 MUL BF--BR-DP2
    
```


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```

PX      2
*****Avg PULSE DAYS*****
WRFK15  XMONTH20120301          BF--BRSAP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          BRASPD
PX      2
WRFK15  XMONTH20120301          BF--BRSAP2
TO      6          ADD          BF--BRSAP1  CONT
TO      2          DIV          DAYSPY
PX      2
WRFK15  733184 BR-AVG20120301    BF--BRSAP3
TO      6          MUL          BF--BRSAP2
PX      2
*****WET PULSE DAYS*****
WRFK15  XMONTH20120301          BF--BRSWP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          BRWSPD
PX      2
WRFK15  XMONTH20120301          BF--BRSWP2
TO      6          ADD          BF--BRSWP1  CONT
TO      2          DIV          DAYSPY
PX      2
WRFK15  1371289 BR-WET20120301   BF--BRSWP3
TO      6          MUL          BF--BRSWP2
PX      2
*****set subsistence flow*****
IFBRSUBS 216959 BR-SUB20120301    BR-SUB1
TO      16         MUL          LOWDRY
PX      2
*****SET DRY BASE FLOW, *****
IFBR-DRY 453509 BR-DRY20120301    BR-DRY1
TO      16         MUL          LOWDRY
PX      2
WRBRNOSB 1 XMONTH20120301          BRNOSUB2
FS      12 LOWDRY 0 1 1 9999999 1
PX      2
WRFKBR01 20120301          HOLDBRBASE
TO      13         ADD          BR-DRY1
PX      2
WRFKBR02 20120301          BRONOFF
TO      2          ADD          BRBR59          CONT
TO      6          DIV          HOLDBRBASE  CONT
TO      6          ADD          BRNOSUB2
PX      2
IFBR-DRY 20120301          BR-DRY2
TO      13         ADD          BR-DRY1
FS      5  FKBR02 1 0 1 9999999 1
PX      2
IFBRSUBS BR-SUB20120301 2          BR-SUB2
TO      2          ADD          BRBR59          CONT
TO      13         SUB          BR-SUB1  CONT
TO      2          DIV          HALF          CONT
TO      13         ADD          BR-SUB1
FS      5  FKBR02 0 1 1 9999999 1
PX      2
IFBR-DRY 20120301          BR-DRY3
TO      13         ADD          BR-SUB2  CONT
TO      13         MAX          BR-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFBR-AVG 733184 BR-AVG20120301    BR-AVG
TO      16         MUL          LOWAVG
PX      2
*****SET WET BASE FLOW, *****
IFBR-WET 1371289 BR-WET20120301   BR-WET
TO      16         MUL          LOWWET
PX      2
*****
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKBR02 21100 XMONTH20120301    FKBRDPLWP1
TO      6          ADD          BF--BR-DP3
PX      2
WRFKBR03 XMONTH20120301          BRDPWIRTRG
TO      2          ADD          BRBR59          CONT
TO      6          DIV          FKBRDPLWP1
PX      2
WRFKBR02 49000 XMONTH20120301    FKBRDPLSP1
TO      6          ADD          BF--BR-DP3
PX      2
WRFKBR04 XMONTH20120301          BRDPSPRTRG
TO      2          ADD          BRBR59          CONT
TO      6          DIV          FKBRDPLSP1
PX      2
    
```

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**
 WRFKBR02 12700 XMONTH20120301 FKBRDPULS1
 TO 6 ADD BF--BR-DP3
 PX 2

**
 WRFKBR05 XMONTH20120301 BRDPSUMTRG
 TO 2 ADD BRBR59 CONT
 TO 6 DIV FKBRDPULS1
 PX 2

***** AVERAGE PULSE *****

WRFKBR06 21100 XMONTH20120301 FKBRAPLWP1
 TO 6 ADD BF--BRSAP3
 PX 2

WRFKBR07 XMONTH20120301 BRAPWIRTR1
 TO 2 ADD BRBR59 CONT
 TO 6 DIV FKBRAPLWP1
 PX 2

WRFKBR06 49000 XMONTH20120301 FKBRAPLSP1
 TO 6 ADD BF--BRSAP3
 PX 2

WRFKBR08 XMONTH20120301 BRAPSPRTR2
 TO 2 ADD BRBR59 CONT
 TO 6 DIV FKBRAPLSP1
 PX 2

**
 WRFKBR06 12700 XMONTH20120301 FKBRAPULS1
 TO 6 ADD BF--BRSAP3
 PX 2

**
 WRFKBR09 XMONTH20120301 BRAPSUMTR1
 TO 2 ADD BRBR59 CONT
 TO 6 DIV FKBRAPULS1
 PX 2

***** WET PULSE*****

WRFKBR10 41900 XMONTH20120301 FKBRWPLWP1
 TO 6 ADD BF--BRSWP3
 PX 2

WRFKBR11 XMONTH20120301 BRWPWIRTR1
 TO 2 ADD BRBR59 CONT
 TO 6 DIV FKBRWPLWP1
 PX 2

WRFKBR10 97000 XMONTH20120301 FKBRWPLSP1
 TO 6 ADD BF--BRSWP3
 PX 2

WRFKBR12 XMONTH20120301 BRWPSRTR1
 TO 2 ADD BRBR59 CONT
 TO 6 DIV FKBRWPLSP1
 PX 2

**
 WRFKBR10 20100 XMONTH20120301 FKBRWPULS1
 TO 6 ADD BF--BRSWP3
 PX 2

**
 WRFKBR13 XMONTH20120301 BRWPUMTR1
 TO 2 ADD BRBR59 CONT
 TO 6 DIV FKBRWPULS1
 PX 2

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

***** DRY *****

IFBRDPUL 21100 XMONTH20120301 BRDPLWP1
 TO 6 ADD BF--BR-DP3
 FS 5 FKBR03 1 0 1 9999999 2 1 1 4 11 2
 PX 2

IFBRDPUL 21100 XMONTH20120301 3 BRDPLWP2
 TO 6 ADD BF--BR-DP3
 FS 5 FKBR03 1 0 1 9999999 2 1 1 0 11 2
 PX 2

IFBRDPUL 49000 XMONTH20120301 BRDPLSP1
 TO 6 ADD BF--BR-DP3
 FS 5 FKBR04 1 0 1 9999999 2 1 1 4 3 6
 PX 2

IFBRDPUL 49000 XMONTH20120301 3 BRDPLSP2
 TO 6 ADD BF--BR-DP3
 FS 5 FKBR04 1 0 1 9999999 2 1 1 0 3 6
 PX 2

IFBRDPUL 12700 XMONTH20120301 BRDPULS1
 TO 6 ADD BF--BR-DP3
 FS 5 FKBR05 1 0 1 9999999 2 1 1 4 7 10
 PX 2

IFBRDPUL 12700 XMONTH20120301 3 BRDPULS2
 TO 6 ADD BF--BR-DP3
 FS 5 FKBR05 1 0 1 9999999 2 1 1 0 7 10
 PX 2

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```

***** AVG PULSE*****
IFBRASPL 21100 XMONTH20120301 BRAPLSW1
TO 6 ADD BF--BRSAP3
FS 5 FKBR07 1 0 1 9999999 2 1 3 4 11 2
PX 2
IFBRASPL 21100 XMONTH20120301 3 BRAPLSW2
TO 6 ADD BF--BRSAP3
FS 5 FKBR07 1 0 1 9999999 2 1 3 0 11 2
PX 2
IFBRASPL 49000 XMONTH20120301 BRASPSP1
TO 6 ADD BF--BRSAP3
FS 5 FKBR08 1 0 1 9999999 2 1 3 4 3 6
PX 2
IFBRASPL 49000 XMONTH20120301 3 BRASPSP2
TO 6 ADD BF--BRSAP3
FS 5 FKBR08 1 0 1 9999999 2 1 3 0 3 6
PX 2
IFBRASPL 12700 XMONTH20120301 BRASPLS1
TO 6 ADD BF--BRSAP3
FS 5 FKBR09 1 0 1 9999999 2 1 3 4 7 10
PX 2
IFBRASPL 12700 XMONTH20120301 3 BRASPLS2
TO 6 ADD BF--BRSAP3
FS 5 FKBR09 1 0 1 9999999 2 1 3 0 7 10
PX 2
***** WET PULSE *****
IFBRWSPL 41900 XMONTH20120301 BRSWPWP1
TO 6 ADD BF--BRSWP3
FS 5 FKBR11 1 0 1 9999999 2 1 2 4 11 2
PX 2
IFBRWSPL 41900 XMONTH20120301 3 BRSWPWP2
TO 6 ADD BF--BRSWP3
FS 5 FKBR11 1 0 1 9999999 2 1 2 0 11 2
PX 2
IFBRWSPL 97000 XMONTH20120301 BRSWPSP1
TO 6 ADD BF--BRSWP3
FS 5 FKBR12 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFBRWSPL 97000 XMONTH20120301 3 BRSWPSP2
TO 6 ADD BF--BRSWP3
FS 5 FKBR12 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFBRWSPL 20100 XMONTH20120301 BRSWPLS1
TO 6 ADD BF--BRSWP3
FS 5 FKBR13 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFBRWSPL 20100 XMONTH20120301 3 BRSWPLS2
TO 6 ADD BF--BRSWP3
FS 5 FKBR13 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFBRDPUL 20120301 BRDPFIN
TO 13 ADD BRDPLWP2 CONT
TO 13 ADD BRDPLSP2 CONT
TO 13 ADD BRDPULS2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVERAGE *****
IFBRASPL 20120301 BRASPFIN
TO 13 ADD BRAPLSW2 CONT
TO 13 ADD BRASPSP2 CONT
TO 13 ADD BRASPLS2 CONT
TO 16 MUL LOWAVG
PX 2
***** WET*****
IFBRWSPL 20120301 BRWSPFIN
TO 13 ADD BRSWPWP2 CONT
TO 13 ADD BRSWPSP2 CONT
TO 13 ADD BRSWPLS2 CONT
TO 16 MUL LOWWET
PX 2
** NAVASOTA RIVER NEAR EASTERLY
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMNAEA 20120301 1.0000 DMRLNAEA SB3DUM
TO 2 1.0 NAEA66
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****

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WRFAKE16      XMONTH20120301      BF--EA-DP1
TO 2          ADD                DAYSPY      CONT
TO 2          SUB                EADFPND
PX 2
WRFAKE16      XMONTH20120301      BF--EA-DP2
TO 6          ADD                BF--EA-DP1  CONT
TO 2          DIV                DAYSPY
PX 2
WRFAKE16      5289 EA-DRY20120301      BF--EA-DP3
TO 6          MUL                BF--EA-DP2
PX 2
*****Avg PULSE DAYS*****
WRFAKE16      XMONTH20120301      BF--EASAP1
TO 2          ADD                DAYSPY      CONT
TO 2          SUB                EAASPD
PX 2
WRFAKE16      XMONTH20120301      BF--EASAP2
TO 6          ADD                BF--EASAP1  CONT
TO 2          DIV                DAYSPY
PX 2
WRFAKE16      9871 EA-AVG20120301      BF--EASAP3
TO 6          MUL                BF--EASAP2
PX 2
*****WET PULSE DAYS*****
WRFAKE16      XMONTH20120301      BF--EASWP1
TO 2          ADD                DAYSPY      CONT
TO 2          SUB                EAWSPD
PX 2
WRFAKE16      XMONTH20120301      BF--EASWP2
TO 6          ADD                BF--EASWP1  CONT
TO 2          DIV                DAYSPY
PX 2
WRFAKE16      16378 EA-WET20120301      BF--EASWP3
TO 6          MUL                BF--EASWP2
PX 2
*****set subsistence flow*****
IFEASUBS      723 EA-SUB20120301      EA-SUB1
TO 16         MUL                LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFEA-DRY      5289 EA-DRY20120301      EA-DRY1
TO 16         MUL                LOWDRY
PX 2
WREANOSB      1 XMONTH20120301      EANOSUB2
FS 12 LOWDRY  0 1 1 9999999 1
PX 2
WRFKEA01      20120301      HOLDEABASE
TO 13         ADD                EA-DRY1
PX 2
WRFKEA02      20120301      EAONOFF
TO 2          ADD                NAEA66      CONT
TO 6          DIV                HOLDEABASE  CONT
TO 6          ADD                EANOSUB2
PX 2
IFEA-DRY      20120301      EA-DRY2
TO 13         ADD                EA-DRY1
FS 5 FKEA02  1 0 1 9999999 1
PX 2
IFEASUBS      EA-SUB20120301  2      EA-SUB2
TO 2          ADD                NAEA66      CONT
TO 13         SUB                EA-SUB1      CONT
TO 2          DIV                HALF        CONT
TO 13         ADD                EA-SUB1
FS 5 FKEA02  0 1 1 9999999 1
PX 2
IFEA-DRY      20120301      EA-DRY3
TO 13         ADD                EA-SUB2      CONT
TO 13         MAX                EA-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFEA-AVG      9871 EA-AVG20120301      EA-AVG
TO 16         MUL                LOWAVG
PX 2
*****SET WET BASE FLOW, *****
IFEA-WET      16378 EA-WET20120301      EA-WET
TO 16         MUL                LOWWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKEA02      1610 XMONTH20120301      FKEADPLWP1
TO 6          ADD                BF--EA-DP3
PX 2
WRFKEA03      XMONTH20120301      EADPWIRTRG
    
```

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```

TO      2          ADD          NAEA66          FKEADPLWP1          CONT
TO      6          DIV
PX      2
WRFKEA02  4590  XMONTH20120301          FKEADPLSP1
TO      6          ADD          BF--EA-DP3
PX      2
WRFKEA04          XMONTH20120301          EADPSRTRG
TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEADPLSP1
PX      2
**
WRFKEA02      0  XMONTH20120301          FKEADPULS1
TO      6          ADD          BF--EA-DP3
PX      2
**
WRFKEA05          XMONTH20120301          EADPSUMTRG
TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEADPULS1
PX      2
***** AVERAGE PULSE *****
WRFKEA06  1610  XMONTH20120301          FKEAAPLWP1
TO      6          ADD          BF--EASAP3
PX      2
WRFKEA07          XMONTH20120301          EAAPWIRTR1
TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEAAPLWP1
PX      2
WRFKEA06  4590  XMONTH20120301          FKEAAPLSP1
TO      6          ADD          BF--EASAP3
PX      2
WRFKEA08          XMONTH20120301          EAAPSRTR2
TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEAAPLSP1
PX      2
**
WRFKEA06      0  XMONTH20120301          FKEAAPULS1
TO      6          ADD          BF--EASAP3
PX      2
**
WRFKEA09          XMONTH20120301          EAAPSUMTR1
TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEAAPULS1
PX      2
***** WET PULSE*****
WRFKEA10  5440  XMONTH20120301          FKEAWPLWP1
TO      6          ADD          BF--EASWP3
PX      2
WRFKEA11          XMONTH20120301          EAWPWIRTR1
TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEAWPLWP1
PX      2
WRFKEA10  8990  XMONTH20120301          FKEAWPLSP1
TO      6          ADD          BF--EASWP3
PX      2
WRFKEA12          XMONTH20120301          EAWPSRTR1
TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEAWPLSP1
PX      2
**
WRFKEA10  220  XMONTH20120301          FKEAWPULS1
TO      6          ADD          BF--EASWP3
PX      2
**
WRFKEA13          XMONTH20120301          EAWPSUMTR1
TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEAWPULS1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFEADPUL  1610  XMONTH20120301          EADPLWP1
TO      6          ADD          BF--EA-DP3
FS      5  FKEA03      1      0      1 9999999  2  1  1  4 11  2
PX      2
IFEADPUL  1610  XMONTH20120301  3          EADPLWP2
TO      6          ADD          BF--EA-DP3
FS      5  FKEA03      1      0      1 9999999  2  1  1  0 11  2
PX      2
IFEADPUL  4590  XMONTH20120301          EADPLSP1
TO      6          ADD          BF--EA-DP3
FS      5  FKEA04      1      0      1 9999999  2  1  1  4  3  6
PX      2
IFEADPUL  4590  XMONTH20120301  3          EADPLSP2
TO      6          ADD          BF--EA-DP3

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```

FS 5 FKEA04 1 0 1 9999999 2 1 1 0 3 6
PX 2
***** AVG PULSE*****
IFEASPL 1610 XMONTH20120301 EAAPLSW1
TO 6 ADD BF--EASAP3
FS 5 FKEA07 1 0 1 9999999 2 1 3 4 11 2
PX 2
IFEASPL 1610 XMONTH20120301 3 EAAPLSW2
TO 6 ADD BF--EASAP3
FS 5 FKEA07 1 0 1 9999999 2 1 3 0 11 2
PX 2
IFEASPL 4590 XMONTH20120301 EAASPS1
TO 6 ADD BF--EASAP3
FS 5 FKEA08 1 0 1 9999999 2 1 3 4 3 6
PX 2
IFEASPL 4590 XMONTH20120301 3 EAASPS2
TO 6 ADD BF--EASAP3
FS 5 FKEA08 1 0 1 9999999 2 1 3 0 3 6
PX 2
***** WET PULSE *****
IFEAWSPL 5440 XMONTH20120301 EASWPWP1
TO 6 ADD BF--EASWP3
FS 5 FKEA11 1 0 1 9999999 2 1 2 4 11 2
PX 2
IFEAWSPL 5440 XMONTH20120301 3 EASWPWP2
TO 6 ADD BF--EASWP3
FS 5 FKEA11 1 0 1 9999999 2 1 2 0 11 2
PX 2
IFEAWSPL 8990 XMONTH20120301 EASWSP1
TO 6 ADD BF--EASWP3
FS 5 FKEA12 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFEAWSPL 8990 XMONTH20120301 3 EASWSP2
TO 6 ADD BF--EASWP3
FS 5 FKEA12 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFEAWSPL 220 XMONTH20120301 EASWPLS1
TO 6 ADD BF--EASWP3
FS 5 FKEA13 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFEAWSPL 220 XMONTH20120301 3 EASWPLS2
TO 6 ADD BF--EASWP3
FS 5 FKEA13 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFEADPUL 20120301 EADPFIN
TO 13 ADD EADPLWP2 CONT
TO 13 ADD EADPLSP2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVERAGE *****
IFEASPL 20120301 EAASPFIN
TO 13 ADD EAAPLSW2 CONT
TO 13 ADD EAASPS2 CONT
TO 16 MUL LOWAVG
PX 2
***** WET*****
IFEAWSPL 20120301 EAWSPFIN
TO 13 ADD EASWPWP2 CONT
TO 13 ADD EASWPSP2 CONT
TO 13 ADD EASWPLS2 CONT
TO 16 MUL LOWWET
PX 2
**
**BRAZOS RIVER NEAR HEMPSTEAD
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRHE 20120301 1.0000 DMRLBRHE SB3DUM
TO 2 1.0 BRHE68
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRF17 XMONTH20120301 BF--HE-DP1
TO 2 ADD DAYSPY CONT
TO 2 SUB HEDPND
PX 2
WRF17 XMONTH20120301 BF--HE-DP2
TO 6 ADD BF--HE-DP1 CONT
TO 2 DIV DAYSPY
PX 2

```

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```

WRFKHE17 723373 HE-DRY20120301 BF--HE-DP3
TO 6 MUL BF--HE-DP2
PX 2
*****Avg PULSE DAYS*****
WRFKHE17 XMONTH20120301 BF--HESAP1
TO 2 ADD DAYSPLY CONT
TO 2 SUB HEASPD
PX 2
WRFKHE17 XMONTH20120301 BF--HESAP2
TO 6 ADD BF--HESAP1 CONT
TO 2 DIV DAYSPLY
PX 2
WRFKHE17 1125729 HE-AVG20120301 BF--HESAP3
TO 6 MUL BF--HESAP2
PX 2
*****WET PULSE DAYS*****
WRFKHE17 XMONTH20120301 BF--HESWP1
TO 2 ADD DAYSPLY CONT
TO 2 SUB HEWSPD
PX 2
WRFKHE17 XMONTH20120301 BF--HESWP2
TO 6 ADD BF--HESWP1 CONT
TO 2 DIV DAYSPLY
PX 2
WRFKHE17 2018318 HE-WET20120301 BF--HESWP3
TO 6 MUL BF--HESWP2
PX 2
*****set subsistence flow*****
IFHESUBS 368829 HE-SUB20120301 HE-SUB1
TO 16 MUL LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFHE-DRY 723373 HE-DRY20120301 HE-DRY1
TO 16 MUL LOWDRY
PX 2
WRHENOSB 1 XMONTH20120301 HENOSUB2
FS 12 LOWDRY 0 1 1 9999999 1
PX 2
WRFKHE01 20120301 HOLDHEBASE
TO 13 ADD HE-DRY1
PX 2
WRFKHE02 20120301 HEONOFF
TO 2 ADD BRHE68 CONT
TO 6 DIV HOLDHEBASE CONT
TO 6 ADD HENOSUB2
PX 2
IFHE-DRY 20120301 HE-DRY2
TO 13 ADD HE-DRY1
FS 5 FKHE02 1 0 1 9999999 1
PX 2
IFHESUBS HE-SUB20120301 2 HE-SUB2
TO 2 ADD BRHE68 CONT
TO 13 SUB HE-SUB1 CONT
TO 2 DIV HALF CONT
TO 13 ADD HE-SUB1
FS 5 FKHE02 0 1 1 9999999 1
PX 2
IFHE-DRY 20120301 HE-DRY3
TO 13 ADD HE-SUB2 CONT
TO 13 MAX HE-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFHE-AVG 1125729 HE-AVG20120301 HE-AVG
TO 16 MUL LOWAVG
PX 2
*****SET WET BASE FLOW, *****
IFHE-WET 2018318 HE-WET20120301 HE-WET
TO 16 MUL LOWWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKHE02 49800 XMONTH20120301 FKHEPLWP1
TO 6 ADD BF--HE-DP3
PX 2
WRFKHE03 XMONTH20120301 HEDPWIRTRG
TO 2 ADD BRHE68 CONT
TO 6 DIV FKHEPLWP1
PX 2
WRFKHE02 85000 XMONTH20120301 FKHEPLSP1
TO 6 ADD BF--HE-DP3
PX 2
WRFKHE04 XMONTH20120301 HEDPSPRTRG
TO 2 ADD BRHE68 CONT
    
```

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```

TO      6          DIV          FKHEDPULS1
PX      2
**
WRFKHE02  17000  XMONTH20120301          FKHEDPULS1
TO      6          ADD          BF--HE-DP3
PX      2
**
WRFKHE05          XMONTH20120301          HEDPSUMTRG
TO      2          ADD          BRHE68          CONT
TO      6          DIV          FKHEDPULS1
PX      2
***** AVERAGE PULSE *****
WRFKHE06  49800  XMONTH20120301          FKHEAPLWP1
TO      6          ADD          BF--HESAP3
PX      2
WRFKHE07          XMONTH20120301          HEAPWIRTR1
TO      2          ADD          BRHE68          CONT
TO      6          DIV          FKHEAPLWP1
PX      2
WRFKHE06  85000  XMONTH20120301          FKHEAPLSP1
TO      6          ADD          BF--HESAP3
PX      2
WRFKHE08          XMONTH20120301          HEAPSPTTR2
TO      2          ADD          BRHE68          CONT
TO      6          DIV          FKHEAPLSP1
PX      2
**
WRFKHE06  17000  XMONTH20120301          FKHEAPULS1
TO      6          ADD          BF--HESAP3
PX      2
**
WRFKHE09          XMONTH20120301          HEAPSUMTR1
TO      2          ADD          BRHE68          CONT
TO      6          DIV          FKHEAPULS1
PX      2
***** WET PULSE*****
WRFKHE10  125000 XMONTH20120301          FKHEWPLWP1
TO      6          ADD          BF--HESWP3
PX      2
WRFKHE11          XMONTH20120301          HEWPWIRTR1
TO      2          ADD          BRHE68          CONT
TO      6          DIV          FKHEWPLWP1
PX      2
WRFKHE10  219000 XMONTH20120301          FKHEWPLSP1
TO      6          ADD          BF--HESWP3
PX      2
WRFKHE12          XMONTH20120301          HEWPSPTTR1
TO      2          ADD          BRHE68          CONT
TO      6          DIV          FKHEWPLSP1
PX      2
**
WRFKHE10  40900  XMONTH20120301          FKHEWPULS1
TO      6          ADD          BF--HESWP3
PX      2
**
WRFKHE13          XMONTH20120301          HEWPSUMTR1
TO      2          ADD          BRHE68          CONT
TO      6          DIV          FKHEWPULS1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFHEDPUL  49800  XMONTH20120301          HEDPLWP1
TO      6          ADD          BF--HE-DP3
FS      5  FKHE03      1      0      1 9999999  2  1  1  4 11  2
PX      2
IFHEDPUL  49800  XMONTH20120301  3          HEDPLWP2
TO      6          ADD          BF--HE-DP3
FS      5  FKHE03      1      0      1 9999999  2  1  1  0 11  2
PX      2
IFHEDPUL  85000  XMONTH20120301          HEDPLSP1
TO      6          ADD          BF--HE-DP3
FS      5  FKHE04      1      0      1 9999999  2  1  1  4  3  6
PX      2
IFHEDPUL  85000  XMONTH20120301  3          HEDPLSP2
TO      6          ADD          BF--HE-DP3
FS      5  FKHE04      1      0      1 9999999  2  1  1  0  3  6
PX      2
IFHEDPUL  17000  XMONTH20120301          HEDPULS1
TO      6          ADD          BF--HE-DP3
FS      5  FKHE05      1      0      1 9999999  2  1  1  4  7 10
PX      2
IFHEDPUL  17000  XMONTH20120301  3          HEDPULS2
TO      6          ADD          BF--HE-DP3

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```

FS 5 FKHE05 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** AVG PULSE*****
IFHEASPL 49800 XMONTH20120301 HEAPLSW1
TO 6 ADD BF--HESAP3
FS 5 FKHE07 1 0 1 9999999 2 1 3 4 11 2
PX 2
IFHEASPL 49800 XMONTH20120301 3 HEAPLSW2
TO 6 ADD BF--HESAP3
FS 5 FKHE07 1 0 1 9999999 2 1 3 0 11 2
PX 2
IFHEASPL 85000 XMONTH20120301 HEASPS1
TO 6 ADD BF--HESAP3
FS 5 FKHE08 1 0 1 9999999 2 1 3 4 3 6
PX 2
IFHEASPL 85000 XMONTH20120301 3 HEASPS2
TO 6 ADD BF--HESAP3
FS 5 FKHE08 1 0 1 9999999 2 1 3 0 3 6
PX 2
IFHEASPL 17000 XMONTH20120301 HEASPLS1
TO 6 ADD BF--HESAP3
FS 5 FKHE09 1 0 1 9999999 2 1 3 4 7 10
PX 2
IFHEASPL 17000 XMONTH20120301 3 HEASPLS2
TO 6 ADD BF--HESAP3
FS 5 FKHE09 1 0 1 9999999 2 1 3 0 7 10
PX 2
***** WET PULSE *****
IFHEWSPL 125000 XMONTH20120301 HESWPWP1
TO 6 ADD BF--HESWP3
FS 5 FKHE11 1 0 1 9999999 2 1 2 4 11 2
PX 2
IFHEWSPL 125000 XMONTH20120301 3 HESWPWP2
TO 6 ADD BF--HESWP3
FS 5 FKHE11 1 0 1 9999999 2 1 2 0 11 2
PX 2
IFHEWSPL 219000 XMONTH20120301 HESWPSP1
TO 6 ADD BF--HESWP3
FS 5 FKHE12 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFHEWSPL 219000 XMONTH20120301 3 HESWPSP2
TO 6 ADD BF--HESWP3
FS 5 FKHE12 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFHEWSPL 40900 XMONTH20120301 HESWPLS1
TO 6 ADD BF--HESWP3
FS 5 FKHE13 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFHEWSPL 40900 XMONTH20120301 3 HESWPLS2
TO 6 ADD BF--HESWP3
FS 5 FKHE13 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFHEDPUL 20120301 HEDPFIN
TO 13 ADD HEDPLWP2 CONT
TO 13 ADD HEDPLSP2 CONT
TO 13 ADD HEDPULS2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVERAGE *****
IFHEASPL 20120301 HEASPFIN
TO 13 ADD HEAPLSW2 CONT
TO 13 ADD HEASPS2 CONT
TO 13 ADD HEASPLS2 CONT
TO 16 MUL LOWAVG
PX 2
***** WET*****
IFHEWSPL 20120301 HEWSPFIN
TO 13 ADD HESWPWP2 CONT
TO 13 ADD HESWPSP2 CONT
TO 13 ADD HESWPLS2 CONT
TO 16 MUL LOWWET
PX 2
**
**BRAZOS RIVER AT RICHMOND
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRRRI 20120301 1.0000 DMRLBRRRI SB3DUM
TO 2 1.0 BRR170
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT

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```

** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake18      XMONTH20120301      BF--RC-DP1
TO 2          ADD          DAYSPY          CONT
TO 2          SUB          RCDPND
PX 2
WRFake18      XMONTH20120301      BF--RC-DP2
TO 6          ADD          BF--RC-DP1    CONT
TO 2          DIV          DAYSPY
PX 2
WRFake18      749663  RC-DRY20120301      BF--RC-DP3
TO 6          MUL          BF--RC-DP2
PX 2
*****Avg PULSE DAYS*****
WRFake18      XMONTH20120301      BF--RCSAP1
TO 2          ADD          DAYSPY          CONT
TO 2          SUB          RCASPD
PX 2
WRFake18      XMONTH20120301      BF--RCSAP2
TO 6          ADD          BF--RCSAP1    CONT
TO 2          DIV          DAYSPY
PX 2
WRFake18      1233703  RC-AVG20120301      BF--RCSAP3
TO 6          MUL          BF--RCSAP2
PX 2
*****WET PULSE DAYS*****
WRFake18      XMONTH20120301      BF--RCSWP1
TO 2          ADD          DAYSPY          CONT
TO 2          SUB          RCWSPD
PX 2
WRFake18      XMONTH20120301      BF--RCSWP2
TO 6          ADD          BF--RCSWP1    CONT
TO 2          DIV          DAYSPY
PX 2
WRFake18      2282856  RC-WET20120301      BF--RCSWP3
TO 6          MUL          BF--RCSWP2
PX 2
*****set subsistence flow*****
IFRCSUBS 397757 RC-SUB20120301      RC-SUB1
TO 16       MUL          LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFRC-DRY 749663 RC-DRY20120301      RC-DRY1
TO 16       MUL          LOWDRY
PX 2
WRRCNOSB 1 XMONTH20120301      RCNOSUB2
FS 12 LOWDRY 0 1 1 999999 1
PX 2
WRFKRC01 20120301      HOLDRCBASE
TO 13       ADD          RC-DRY1
PX 2
WRFKRC02 20120301      RCONOFF
TO 2        ADD          BRR170          CONT
TO 6        DIV          HOLDRCBASE    CONT
TO 6        ADD          RCNOSUB2
PX 2
IFRC-DRY 20120301      RC-DRY2
TO 13       ADD          RC-DRY1
FS 5        FKRC02 1 0 1 999999 1
PX 2
IFRCSUBS RC-SUB20120301 2      RC-SUB2
TO 2        ADD          BRR170          CONT
TO 13       SUB          RC-SUB1          CONT
TO 2        DIV          HALF          CONT
TO 13       ADD          RC-SUB1
FS 5        FKRC02 0 1 1 999999 1
PX 2
IFRC-DRY 20120301      RC-DRY3
TO 13       ADD          RC-SUB2          CONT
TO 13       MAX          RC-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFRC-AVG 1233703 RC-AVG20120301      RC-AVG
TO 16       MUL          LOWAVG
PX 2
*****SET WET BASE FLOW, *****
IFRC-WET 2282856 RC-WET20120301      RC-WET
TO 16       MUL          LOWWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKRC02 60600 XMONTH20120301      FKRCDEPLWP1
TO 6        ADD          BF--RC-DP3
    
```

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```

PX      2
WRFKRC03      XMONTH20120301      RCDPWIRTRG
TO      2      ADD      BRR170      CONT
TO      6      DIV      FKRCPLWP1
PX      2
WRFKRC02      94000 XMONTH20120301      FKRCPLSP1
TO      6      ADD      BF--RC-DP3
PX      2
WRFKRC04      XMONTH20120301      RCDPSPRTRG
TO      2      ADD      BRR170      CONT
TO      6      DIV      FKRCPLSP1
PX      2
**
WRFKRC02      16400 XMONTH20120301      FKRCDPULS1
TO      6      ADD      BF--RC-DP3
PX      2
**
WRFKRC05      XMONTH20120301      RCDPSUMTRG
TO      2      ADD      BRR170      CONT
TO      6      DIV      FKRCDPULS1
PX      2
***** AVERAGE PULSE *****
WRFKRC06      60600 XMONTH20120301      FKRCAPLWP1
TO      6      ADD      BF--RCSAP3
PX      2
WRFKRC07      XMONTH20120301      RCAPWIRTR1
TO      2      ADD      BRR170      CONT
TO      6      DIV      FKRCAPLWP1
PX      2
WRFKRC06      94000 XMONTH20120301      FKRCAPLSP1
TO      6      ADD      BF--RCSAP3
PX      2
WRFKRC08      XMONTH20120301      RCAPSPRTR2
TO      2      ADD      BRR170      CONT
TO      6      DIV      FKRCAPLSP1
PX      2
**
WRFKRC06      16400 XMONTH20120301      FKRCAPULS1
TO      6      ADD      BF--RCSAP3
PX      2
**
WRFKRC09      XMONTH20120301      RCAPSUMTR1
TO      2      ADD      BRR170      CONT
TO      6      DIV      FKRCAPULS1
PX      2
***** WET PULSE*****
WRFKRC10      150000 XMONTH20120301      FKRCWPLWP1
TO      6      ADD      BF--RCSWP3
PX      2
WRFKRC11      XMONTH20120301      RCWPWIRTR1
TO      2      ADD      BRR170      CONT
TO      6      DIV      FKRCWPLWP1
PX      2
WRFKRC10      215000 XMONTH20120301      FKRCWPLSP1
TO      6      ADD      BF--RCSWP3
PX      2
WRFKRC12      XMONTH20120301      RCWPSPRTR1
TO      2      ADD      BRR170      CONT
TO      6      DIV      FKRCWPLSP1
PX      2
**
WRFKRC10      46300 XMONTH20120301      FKRCWPULS1
TO      6      ADD      BF--RCSWP3
PX      2
**
WRFKRC13      XMONTH20120301      RCWPSUMTR1
TO      2      ADD      BRR170      CONT
TO      6      DIV      FKRCWPULS1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFRCDPUL      60600 XMONTH20120301      RCDPLWP1
TO      6      ADD      BF--RC-DP3
FS      5      FKRC03      1      0      1 9999999 2 1 1 4 11 2
PX      2
IFRCDPUL      60600 XMONTH20120301 3      RCDPLWP2
TO      6      ADD      BF--RC-DP3
FS      5      FKRC03      1      0      1 9999999 2 1 1 0 11 2
PX      2
IFRCDPUL      94000 XMONTH20120301      RCDPLSP1
TO      6      ADD      BF--RC-DP3
FS      5      FKRC04      1      0      1 9999999 2 1 1 4 3 6
PX      2
    
```

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```

IFRCDPUL  94000  XMONTH20120301  3          RCDPLSP2
TO 6          ADD                      BF--RC-DP3
FS 5  FKRC04    1      0      1 9999999  2  1  1  0  3  6
PX 2
IFRCDPUL  16400  XMONTH20120301          RCDPULS1
TO 6          ADD                      BF--RC-DP3
FS 5  FKRC05    1      0      1 9999999  2  1  1  4  7 10
PX 2
IFRCDPUL  16400  XMONTH20120301  3          RCDPULS2
TO 6          ADD                      BF--RC-DP3
FS 5  FKRC05    1      0      1 9999999  2  1  1  0  7 10
PX 2
***** AVG PULSE*****
IFRCASPL  60600  XMONTH20120301          RCAPLSW1
TO 6          ADD                      BF--RCSAP3
FS 5  FKRC07    1      0      1 9999999  2  1  3  4 11  2
PX 2
IFRCASPL  60600  XMONTH20120301  3          RCAPLSW2
TO 6          ADD                      BF--RCSAP3
FS 5  FKRC07    1      0      1 9999999  2  1  3  0 11  2
PX 2
IFRCASPL  94000  XMONTH20120301          RCASPSP1
TO 6          ADD                      BF--RCSAP3
FS 5  FKRC08    1      0      1 9999999  2  1  3  4  3  6
PX 2
IFRCASPL  94000  XMONTH20120301  3          RCASPSP2
TO 6          ADD                      BF--RCSAP3
FS 5  FKRC08    1      0      1 9999999  2  1  3  0  3  6
PX 2
IFRCASPL  16400  XMONTH20120301          RCASPLS1
TO 6          ADD                      BF--RCSAP3
FS 5  FKRC09    1      0      1 9999999  2  1  3  4  7 10
PX 2
IFRCASPL  16400  XMONTH20120301  3          RCASPLS2
TO 6          ADD                      BF--RCSAP3
FS 5  FKRC09    1      0      1 9999999  2  1  3  0  7 10
PX 2
***** WET PULSE *****
IFRCWSPL 150000  XMONTH20120301          RCSWPWP1
TO 6          ADD                      BF--RCSWP3
FS 5  FKRC11    1      0      1 9999999  2  1  2  4 11  2
PX 2
IFRCWSPL 150000  XMONTH20120301  3          RCSWPWP2
TO 6          ADD                      BF--RCSWP3
FS 5  FKRC11    1      0      1 9999999  2  1  2  0 11  2
PX 2
IFRCWSPL 215000  XMONTH20120301          RCSWPSP1
TO 6          ADD                      BF--RCSWP3
FS 5  FKRC12    1      0      1 9999999  2  1  2  4  3  6
PX 2
IFRCWSPL 215000  XMONTH20120301  3          RCSWPSP2
TO 6          ADD                      BF--RCSWP3
FS 5  FKRC12    1      0      1 9999999  2  1  2  0  3  6
PX 2
IFRCWSPL  46300  XMONTH20120301          RCSWPLS1
TO 6          ADD                      BF--RCSWP3
FS 5  FKRC13    1      0      1 9999999  2  1  2  4  7 10
PX 2
IFRCWSPL  46300  XMONTH20120301  3          RCSWPLS2
TO 6          ADD                      BF--RCSWP3
FS 5  FKRC13    1      0      1 9999999  2  1  2  0  7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFRCDPUL  20120301          RCDPFIN
TO 13          ADD                      RCDPLWP2  CONT
TO 13          ADD                      RCDPLSP2  CONT
TO 13          ADD                      RCDPULS2  CONT
TO 16          MUL                      LOWDRY
PX 2
***** AVERAGE *****
IFRCASPL  20120301          RCASPFIN
TO 13          ADD                      RCAPLSW2  CONT
TO 13          ADD                      RCASPSP2  CONT
TO 13          ADD                      RCASPLS2  CONT
TO 16          MUL                      LOWAVG
PX 2
***** WET*****
IFRCWSPL  20120301          RCWSPFIN
TO 13          ADD                      RCSWPWP2  CONT
TO 13          ADD                      RCSWPSP2  CONT
TO 13          ADD                      RCSWPLS2  CONT
TO 16          MUL                      LOWWET
PX 2
    
```

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```

**
**BRAZOS RIVER AT ROSHARON
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRRO      20120301      1.0000      DMRLBRRO  SB3DUM
TO      2      1.0      BRRO72
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFKRO19      XMONTH20120301      BF--RO-DP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      RODPND
PX      2
WRFKRO19      XMONTH20120301      BF--RO-DP2
TO      6      ADD      BF--RO-DP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFKRO19      799871  RO-DRY20120301      BF--RO-DP3
TO      6      MUL      BF--RO-DP2
PX      2
*****Avg PULSE DAYS*****
WRFKRO19      XMONTH20120301      BF--ROSAP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      ROASPD
PX      2
WRFKRO19      XMONTH20120301      BF--ROSAP2
TO      6      ADD      BF--ROSAP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFKRO19      1464255  RO-AVG20120301      BF--ROSAP3
TO      6      MUL      BF--ROSAP2
PX      2
*****WET PULSE DAYS*****
WRFKRO19      XMONTH20120301      BF--ROSWP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      ROWSPD
PX      2
WRFKRO19      XMONTH20120301      BF--ROSWP2
TO      6      ADD      BF--ROSWP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFKRO19      2904551  RO-WET20120301      BF--ROSWP3
TO      6      MUL      BF--ROSWP2
PX      2
*****set subsistence flow*****
IFROSUBS      310974  RO-SUB20120301      RO-SUB1
TO      16      MUL      LOWDRY
PX      2
*****SET DRY BASE FLOW, *****
IFRO-DRY      799871  RO-DRY20120301      RO-DRY1
TO      16      MUL      LOWDRY
PX      2
WRRONOSB      1  XMONTH20120301      RONOSUB2
FS      12  LOWDRY      0      1      1 9999999  1
PX      2
WRFKRO01      20120301      HOLDROBASE
TO      13      ADD      RO-DRY1
PX      2
WRFKRO02      20120301      ROONOFF
TO      2      ADD      BRRO72      CONT
TO      6      DIV      HOLDROBASE  CONT
TO      6      ADD      RONOSUB2
PX      2
IFRO-DRY      20120301      RO-DRY2
TO      13      ADD      RO-DRY1
FS      5  FKRO02      1      0      1 9999999  1
PX      2
IFROSUBS      RO-SUB20120301  2      RO-SUB2
TO      2      ADD      BRRO72      CONT
TO      13      SUB      RO-SUB1      CONT
TO      2      DIV      HALF      CONT
TO      13      ADD      RO-SUB1
FS      5  FKRO02      0      1      1 9999999  1
PX      2
IFRO-DRY      20120301      RO-DRY3
TO      13      ADD      RO-SUB2      CONT
TO      13      MAX      RO-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFRO-AVG      1464255  RO-AVG20120301      RO-AVG
TO      16      MUL      LOWAVG

```

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```

PX      2
*****SET WET BASE FLOW, *****
IFRO-WET 2904551  RO-WET20120301  RO-WET
TO      16      MUL      LOWWET
PX      2
*****
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKRO02  94700  XMONTH20120301      FKRODPLWP1
TO      6      ADD      BF--RO-DP3
PX      2
WRFKRO03      XMONTH20120301      RODPWIRTRG
TO      2      ADD      BRRO72      CONT
TO      6      DIV      FKRODPLWP1
PX      2
WRFKRO02  58500  XMONTH20120301      FKRODPLSP1
TO      6      ADD      BF--RO-DP3
PX      2
WRFKRO04      XMONTH20120301      RODPSPRTRG
TO      2      ADD      BRRO72      CONT
TO      6      DIV      FKRODPLSP1
PX      2
**
WRFKRO02  14900  XMONTH20120301      FKRODPULS1
TO      6      ADD      BF--RO-DP3
PX      2
**
WRFKRO05      XMONTH20120301      RODPSUMTRG
TO      2      ADD      BRRO72      CONT
TO      6      DIV      FKRODPULS1
PX      2
***** AVERAGE PULSE *****
WRFKRO06  94700  XMONTH20120301      FKROAPLWP1
TO      6      ADD      BF--ROSAP3
PX      2
WRFKRO07      XMONTH20120301      ROAPWIRTR1
TO      2      ADD      BRRO72      CONT
TO      6      DIV      FKROAPLWP1
PX      2
WRFKRO06  58500  XMONTH20120301      FKROAPLSP1
TO      6      ADD      BF--ROSAP3
PX      2
WRFKRO08      XMONTH20120301      ROAPSPRTR1
TO      2      ADD      BRRO72      CONT
TO      6      DIV      FKROAPLSP1
PX      2
**
WRFKRO06  14900  XMONTH20120301      FKROAPULS1
TO      6      ADD      BF--ROSAP3
PX      2
**
WRFKRO09      XMONTH20120301      ROAPSUMTR1
TO      2      ADD      BRRO72      CONT
TO      6      DIV      FKROAPULS1
PX      2
***** WET PULSE*****
WRFKRO10  168000 XMONTH20120301      FKROWPLWP1
TO      6      ADD      BF--ROSWP3
PX      2
WRFKRO11      XMONTH20120301      ROWPWIRTR1
TO      2      ADD      BRRO72      CONT
TO      6      DIV      FKROWPLWP1
PX      2
WRFKRO10  184000 XMONTH20120301      FKROWPLSP1
TO      6      ADD      BF--ROSWP3
PX      2
WRFKRO12      XMONTH20120301      ROWPSPRTR1
TO      2      ADD      BRRO72      CONT
TO      6      DIV      FKROWPLSP1
PX      2
**
WRFKRO10  39100  XMONTH20120301      FKROWPULS1
TO      6      ADD      BF--ROSWP3
PX      2
**
WRFKRO13      XMONTH20120301      ROWPSUMTR1
TO      2      ADD      BRRO72      CONT
TO      6      DIV      FKROWPULS1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFRODPUL  94700  XMONTH20120301      RODPLWP1
TO      6      ADD      BF--RO-DP3
    
```

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```

FS 5 FKRO03 1 0 1 9999999 2 1 1 4 11 2
PX 2
IFRODPUL 94700 XMONTH20120301 3 RODPLWP2
TO 6 ADD BF--RO-DP3
FS 5 FKRO03 1 0 1 9999999 2 1 1 0 11 2
PX 2
IFRODPUL 58500 XMONTH20120301 RODPLSP1
TO 6 ADD BF--RO-DP3
FS 5 FKRO04 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFRODPUL 58500 XMONTH20120301 3 RODPLSP2
TO 6 ADD BF--RO-DP3
FS 5 FKRO04 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFRODPUL 14900 XMONTH20120301 RODPULS1
TO 6 ADD BF--RO-DP3
FS 5 FKRO05 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFRODPUL 14900 XMONTH20120301 3 RODPULS2
TO 6 ADD BF--RO-DP3
FS 5 FKRO05 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** AVG PULSE*****
IFROASPL 94700 XMONTH20120301 ROAPLSW1
TO 6 ADD BF--ROSAP3
FS 5 FKRO07 1 0 1 9999999 2 1 3 4 11 2
PX 2
IFROASPL 94700 XMONTH20120301 3 ROAPLSW2
TO 6 ADD BF--ROSAP3
FS 5 FKRO07 1 0 1 9999999 2 1 3 0 11 2
PX 2
IFROASPL 58500 XMONTH20120301 ROASPSP1
TO 6 ADD BF--ROSAP3
FS 5 FKRO08 1 0 1 9999999 2 1 3 4 3 6
PX 2
IFROASPL 58500 XMONTH20120301 3 ROASPSP2
TO 6 ADD BF--ROSAP3
FS 5 FKRO08 1 0 1 9999999 2 1 3 0 3 6
PX 2
IFROASPL 14900 XMONTH20120301 ROASPLS1
TO 6 ADD BF--ROSAP3
FS 5 FKRO09 1 0 1 9999999 2 1 3 4 7 10
PX 2
IFROASPL 14900 XMONTH20120301 3 ROASPLS2
TO 6 ADD BF--ROSAP3
FS 5 FKRO09 1 0 1 9999999 2 1 3 0 7 10
PX 2
***** WET PULSE *****
IFROWSPL 168000 XMONTH20120301 ROSWPWP1
TO 6 ADD BF--ROSWP3
FS 5 FKRO11 1 0 1 9999999 2 1 2 4 11 2
PX 2
IFROWSPL 168000 XMONTH20120301 3 ROSWPWP2
TO 6 ADD BF--ROSWP3
FS 5 FKRO11 1 0 1 9999999 2 1 2 0 11 2
PX 2
IFROWSPL 184000 XMONTH20120301 ROSWPSP1
TO 6 ADD BF--ROSWP3
FS 5 FKRO12 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFROWSPL 184000 XMONTH20120301 3 ROSWPSP2
TO 6 ADD BF--ROSWP3
FS 5 FKRO12 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFROWSPL 39100 XMONTH20120301 ROSWPLS1
TO 6 ADD BF--ROSWP3
FS 5 FKRO13 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFROWSPL 39100 XMONTH20120301 3 ROSWPLS2
TO 6 ADD BF--ROSWP3
FS 5 FKRO13 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFRODPUL 20120301 RODPFIN
TO 13 ADD RODPLWP2 CONT
TO 13 ADD RODPLSP2 CONT
TO 13 ADD RODPULS2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVERAGE *****
IFROASPL 20120301 ROASPFIN
TO 13 ADD ROAPLSW2 CONT
TO 13 ADD ROASPSP2 CONT
    
```

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```

TO 13 ADD ROASPLS2 CONT
TO 16 MUL LOWAVG
PX 2
***** WET*****
IFROWSPL 20120301 ROWSPFIN
TO 13 ADD ROSWPWP2 CONT
TO 13 ADD ROSWPSP2 CONT
TO 13 ADD ROSWPLS2 CONT
TO 16 MUL LOWWET
PX 2
**
** End of SB3 Eflows code
**
** System Operation Modeling - modeling at a priority of 03/02/2012 to preserve prior appropriation
** relative to 30 TAC 298 environmental flow standards
** Refill reservoirs with QUNAP.
WR515531 0. 20120302 C5155_RF2_4 SYSTEM
WSPOSDOM 528007. 0
PX 2
WR515631 0. 20120302 C5156_RF2_4 SYSTEM
WSGRNBRY 124128.
PX 2
WR515731 0. 20120302 C5157_RF2_4 SYSTEM
WSBRAWHT 50000. 1
PX 2
WR515831 0. 20120302 C5158_RF2_4 SYSTEM
WSAQUILA 35755. 0
PX 2
WR515931 0. 20120302 C5159_RF2_4 SYSTEM
WSPRCTOR 48642. 0
PX 2
WR516031 0. 20120302 C5160_RF2_4 SYSTEM
WSBRABEL 408871. 0 3 -1
PX 2
WR516131 0. 20120302 C5161_RF2_4 SYSTEM
WSSTLHSE 225716. 0
PX 2
WR516231 0. 20120302 C5162_RF2_4 SYSTEM
WSGRGTWN 37000. 0
PX 2
WR516331 0. 20120302 C5163_RF2_4 SYSTEM
WSGRNGER 46198. 0
PX 2
WR516431 0. 20120302 C5164_RF2_4 SYSTEM
WSSMRVLE 135891. 0
PX 2
WR516531 0. 20120302 C5165_RF2_4 SYSTEM
WSLMSTNE 185502. 0
PX 2
**WR292531 0. 20120302 ALLENS_RF2_4 SYSTEM
**WSALLENS 145533.
**PX 2
**
** Downstream - Palo Pinto
**
WRBRPP27 1200. IND220120302 2 2 0.0000 PLOT2_DS_IND C5155 PK_DS
WSPOSDOM 528007. 0
OR515531
PX 2
**
** Dennis
**
WRBRDE29 50. IRR220120302 2 2 0.0000 DNNT2_DS_IRR C5155 PK_DS
WSPOSDOM 528007. 0
OR515531
PX 2
**
WRBRDE29 1000. MIN220120302 2 2 0.0000 DNNT2_DS_MIN C5155 PK_DS
WSPOSDOM 528007. 0
OR515531
PX 2
**
** Glen Rose
**
WRBRGR30 200. IRR220120302 2 2 0.0000 GBYT2_DS_IRR C5156 GB_SS
WSGRNBRY 124128. 0
OR515631 46500 1.0 1.0 0 0 0
WSPOSDOM 528007. 0
OR515531 218922 0.5 1.0 0 0 0
PX 2
**
WRBRGR30 1000. MIN220120302 2 2 0.0000 GBYT2_DS_MIN C5156 GB_DS
WSGRNBRY 124128. 0
    
```


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```

OR515631 46500 1.0 1.0 0 0 0
WSPOSDOM 528007.
OR515531 218922 0.5 1.0 0 0 0
PX 2
**
** Whitney downstream
**
** Limit to 10,994 ac-ft yr
WR433001 10994 XMONTH20120302 8
TO -7 SUB WTYT2_DS_LIM C5157 WH_DS
TO -7 SUB WTYT2_DS_IND CONT
** WTYT2_DS_INDSYS
**
** Diversion from Whitney only
WR433001 11722. IND220120302 2 2 0.0000 WTYT2_DS_IND C5157 WH_DS
WSBRAWHT 50000. 1
**OR515731 0 2.0 1.0 0 0 0
**WSGRNBRY 124128. 0
**OR515631 46500 1.0 -1 0 0 0
**WSPOSDOM 528007. 0
**OR515531 218922 0.5 1.0 0 0 0
LO 13 SET WTYT2_DS_LIM
PX 2
**
** Backup from system. Change ID to reflect diversion location
**WR433001 0. IRR220120302 2 2 0.0000 WTYT2_DS_IRR C5157 WH_DS
WR433001 0. IRR220120302 2 2 0.0000 WTYT2_DS_INDSYS C5157 WH_DS
WSBRAWHT 50000. 1
OR515731 0 2.0 1.0 0 0 0
WSGRNBRY 124128. 0
OR515631 46500 1.0 -1 0 0 0
WSPOSDOM 528007. 0
OR515531 218922 0.5 1.0 0 0 0
BU WTYT2_DS_IND
LO 13 SET WTYT2_DS_LIM CONT
LO 6 SUB WTYT2_DS_INDSYS
PX 2
**
**
** Backup of Temple.
** Limit to 26,190 ac-ft yr
**
WR293831 30453. MUN220120302 2 2 0.0000 BLNT2_DS_TEMPLE C5160 BE_DS
WSBRABEL 408871. 0 3 -1
OR516031
SO 26190
PX 2
**
** Belton Downstream irrigation - assume at P40121, Belton only
**
WRP40121 200. IRR220120302 2 2 0.0000 BLNT2_DS_IRR C5160 BE_DS
WSBRABEL 408871. 0 3 -1
OR516031
PX 2
**
** Stillhouse downstream
WRLABE52 8. IRR320120302 2 2 0.0000 STIT2_DS_IRR C5161 SH_DS
WSSTLHSE 225716. 0
OR516131
PX 2
**
** Limestone downstream, take all at CON145
**
** Limit to 7,004 ac-ft yr
**
WR433001 7004 XMONTH20120302 8
TO -7 SUB LLST2_DS_LIM C5165 LS_DS
TO -7 SUB LLST2_DS_MUN CONT
** LLST2_DS_TMPA
**
WRCON145 4000. MUN320120302 2 2 0.0000 LLST2_DS_MUN C5165 LS_DS
WSLMSTNE 185502. 0
OR516531
LO 13 SET LLST2_DS_LIM
PX 2
**
** TMPA contract amount
**
WR530701 3600 20120302 2 1 1.0000 DUMGIB LLST2_DS_TMPA C5165 LS_DS
WSLMSTNE 185502. 0
OR516531
LO 13 SET LLST2_DS_LIM CONT
LO 6 SUB LLST2_DS_MUN
PX 2
**

```

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```

**
** BRA system modeling
**
** Lorena, Marlin, Rosebud
** Limit to 2,300 ac-ft/yr
**
WRBRHB42 2300. MUN220120302 2 2 0.0000 HIBT2_DS_MUN C5157 WH_DS
WSBRAWHT 50000. 0 1
OR515731 0 2.0 1.0 0 0 0
**WSGRNBRY 124128. 0
**OR515631 46500 1.0 -1 0 0 0
WSPOSDOM 528007. 0
OR515531 218922 0.5 1.0 0 0 0
WSAQUILA 35755. 35000
OR515831 35000 1.0 1.0 0 0 0
SO 2300
PX 2
**
** College station - future demand
** System
** System - Put at CON122, just below Bryan gage
** Change to YEGBR since below Bryan gage (BBZT2)
** Limit to 2650 ac-ft yr
**
WRCON130 2650 XMONTH20120302 8 YEGBR_DS_LIM C5157 WH_DS
TO -7 SUB YEGBR_DS_MUN CONT
TO -7 SUB YEGBR_DS_IRR
**
**WRBRBR59 2500. MUN320120302 2 2 0.0000 BBZT2_DS_MUN C5157 WH_DS
WRCON122 2500. MUN320120302 2 2 0.0000 YEGBR_DS_MUN C5157 WH_DS
WSBRAWHT 50000. 0 1
OR515731 0 2.0 1.0 0 0 0
**WSGRNBRY 124128. 0
**OR515631 46500 1.0 -1 0 0 0
WSPOSDOM 528007. 0
OR515531 218922 0.5 1.0 0 0 0
**WSGRNGER 46198. 0
**OR516331 19650 1.0 1.0 0 0 0
**WSGRGTWN 37000. 0
**OR516231 11130 1.0 -1 0 0 0
**WSSTLHSE 225716. 0
**OR516131 70710 1.0 1.0 0 0 0
**WSBRABEL 408871. 0 3 -1
**OR516031 137280 1.0 0.1 0 0 0
LO 13 SET YEGBR_DS_LIM
PX 2
**
** System demand Bryan gage
**
WRBRBR59 200. IRR320120302 2 2 0.0000 BBZT2_DS_IRR C5157 WH_DS
WSBRAWHT 50000. 0 1
OR515731 0 2.0 1.0 0 0 0
**WSGRNBRY 124128. 0
**OR515631 46500 1.0 -1 0 0 0
WSPOSDOM 528007. 0
OR515531 218922 0.5 1.0 0 0 0
**WSGRNGER 46198. 0
**OR516331 19650 1.0 1.0 0 0 0
**WSGRGTWN 37000. 0
**OR516231 11130 1.0 -1 0 0 0
**WSSTLHSE 225716. 0
**OR516131 70710 1.0 1.0 0 0 0
**WSBRABEL 408871. 0 3 -1
**OR516031 137280 1.0 0.1 0 0 0
PX 2
**
**
WRCON130 150. IRR320120302 2 2 0.0000 YEGBR_DS_IRR C5157 WH_DS
WSBRAWHT 50000. 0 1
OR515731 0 2.0 1.0 0 0 0
**WSGRNBRY 124128. 0
**OR515631 46500 1.0 -1 0 0 0
WSPOSDOM 528007. 0
OR515531 218922 0.5 1.0 0 0 0
**WSGRNGER 46198. 0
**OR516331 19650 1.0 1.0 0 0 0
**WSGRGTWN 37000. 0
**OR516231 11130 1.0 -1 0 0 0
**WSSTLHSE 225716. 0
**OR516131 70710 1.0 1.0 0 0 0
**WSBRABEL 408871. 0 3 -1
**OR516031 137280 1.0 0.1 0 0 0
LO 13 SET YEGBR_DS_LIM CONT
LO 6 SUB YEGBR_DS_MUN

```

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```

PX      2
**
**
** Alcoa contract
** Limit to 4583 ac-ft/yr
**
WR375801    5000      20120302  2  1  1.0000  AL_DUM          GLKT2_DS_IND  C5163  GN_DS
**WSGRNGER  46198.          0
**OR516331  19650      1.0    1.0    0    0    0    3    -1
WSBRABEL 408871.          0
OR516031  137280    1.0    1.0    0    0    0
**WSGRGTWN  37000.          0
**OR516231  11130      0.1    -1    0    0    0
WSSTLHSE 225716.          0
OR516131  70710      1.0    1.0    0    0    0
SO
PX      2
**
** downstream irr - System demand
**
WRW12421    540.      IRR420120302  2  2  0.0000          NAVBR_DS_IRR  C5164  SO_DS
WSSMRVLE 135891.          500
OR516431  48033      1.0    1.0    0    0    0
WSBRAWHT 50000.          0
OR515731    0      2.0    1.0    0    0    0    1
**WSLMSTNE 185502.          0
**OR516531  67620      1.0    1.0    0    0    0
**WSGRNBRY 124128.          0
**OR515631  46500      1.0    -1    0    0    0
WSPOSDOM 528007.          0
OR515531  218922    0.5    1.0    0    0    0
**WSGRNGER  46198.          0
**OR516331  19650      1.0    1.0    0    0    0
**WSSTLHSE 225716.          0
**OR516131  70710      1.0    1.0    0    0    0
**WSBRABEL 408871.          0
**OR516031  137280    1.0    0.1    0    0    0    3    -1
PX      2
**
** Demands at Richmond
**
** Limit to 97,072 ac-ft yr
** not limiting because NRG can be assigned to excess flows
**
WRBRRI70  97072  XMONTH20120302  8          RMOT2_SYS_LIM  C5164  SO_DS
TO -7      SUB          RMOT2_SYS_IRR  CONT
TO -7      SUB          RMOT2_SYS_NRG  CONT
TO -7      SUB          RMOT2_SYS_NRG2
**
WRBRRI70  50.      IRR420120302  2  2  0.0000          RMOT2_SYS_IRR  C5164  SO_DS
WSSMRVLE 135891.          500
OR516431  48033      1.0    1.0    0    0    0
WSBRAWHT 50000.          0
OR515731    0      2.0    1.0    0    0    0    1
**WSALLENS 145533.          0
**OR292531    0      1.0    1.0
WSLMSTNE 185502.          0
OR516531  67620      1.0    -1    0    0    0
**WSGRNBRY 124128.          0
**OR515631  46500      1.0    1.0    0    0    0
WSPOSDOM 528007.          0
OR515531  218922    0.5    1.0    0    0    0
**WSGRNGER  46198.          0
**OR516331  19650      1.0    1.0    0    0    0
**WSSTLHSE 225716.          0
**OR516131  70710      1.0    1.0    0    0    0
**WSBRABEL 408871.          0
**OR516031  137280    1.0    0.1    0    0    0    3    -1
**LO 13      SET          RMOT2_SYS_LIM
PX      2
**
** Rosharon
**
** Limit to 475,310 ac-ft yr
**
WRBRRO72  475310  XMONTH20120302  8          ROST2_SYS_LIM  C5164  SO_DS
TO -7      SUB          ROST2_SYS_MUN  CONT
TO -7      SUB          ROST2_SYS_MUN2  CONT
TO -7      SUB          ROST2_SYS_GCWA  CONT
TO -7      SUB          ROST2_SYS_GCWA2  CONT
TO -7      SUB          ROST2_SYS_DOW  CONT
TO -7      SUB          ROST2_SYS_FIXED  CONT

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TO      -7          SUB          ROST2_SYS_FIXED2  CONT
TO      -7          SUB          ROST2_SYS_YIELD2  CONT
TO      -7          SUB          ROST2_SYS_YIELD
**
** Reduce to contract amount
**
** 1950s drought
WRBRRO72 12720.    MUN420120302  2  2  0.0000          ROST2_SYS_MUN  C5164  SO_DS
WSSMRVLE 135891.          500
OR516431 48033    1.0  1.0  0  0  0
WSBRAWHT 50000.          0  1
OR515731 0  2.0  1.0  0  0  0
**WSALLENS 145533.          0
**OR292531 0  1.0  1.0
WSLMSTNE 185502.          0
OR516531 67620  1.0  -1  0  0  0  1000
WSGRNBRY 124128.          0
OR515631 46500  0.1  -1  0  0  0
WSPOSDOM 528007.          0
OR515531 218922  0.5  0.1  0  0  0
**WSGRNGER 46198.          0
**OR516331 19650  1.0  1.0  0  0  0
**WSSTLHSE 225716.          0
**OR516131 70710  1.0  1.0  0  0  0
**WSBRABEL 408871.          0  3  -1
**OR516031 137280  1.0  1.0  0  0  0
TO      13          MUL          use_drop1  CONT
LO      13          SET          ROST2_SYS_LIM
PX      2
** New drought
WRBRRO72 12720.    MUN420120302  2  2  0.0000          ROST2_SYS_MUN2  C5164  SO_DS
WSSMRVLE 135891.          500
OR516431 48033    1.0  1.0  0  0  0
WSBRAWHT 50000.          0  1
OR515731 0  2.0  1.0  0  0  0
**WSALLENS 145533.          0
**OR292531 0  1.0  1.0
WSLMSTNE 185502.          0
OR516531 67620  1.0  -1  0  0  0
**WSGRNBRY 124128.          0
**OR515631 46500  1.0  1.0  0  0  0
WSPOSDOM 528007.          0
OR515531 218922  0.5  0.1  0  0  0
**WSGRNGER 46198.          0
**OR516331 19650  1.0  1.0  0  0  0
**WSSTLHSE 225716.          0
**OR516131 70710  1.0  1.0  0  0  0
**WSBRABEL 408871.          0  3  -1
**OR516031 137280  1.0  1.0  0  0  0
TO      13          MUL          use_drop2  CONT
LO      13          SET          ROST2_SYS_LIM  CONT
LO      6          SUB          ROST2_SYS_MUN
PX      2
**
** NRG backup.
**
WR532001          20120302  2  1  1.0000  D53251          RMOT2_SYS_NRG  C5157  WH_DS
WSSMRVLE 135891.          500
OR516431 48033    1.0  1.0  0  0  0
WSBRAWHT 50000.          0  1
OR515731 0  2.0  1.0  0  0  0
**WSALLENS 145533.          0
**OR292531 0  1.0  1.0
WSLMSTNE 185502.          0
OR516531 67620  1.0  -1  0  0  0  1000
WSGRNBRY 124128.          0
OR515631 46500  0.1  -1  0  0  0
WSPOSDOM 528007.          0
OR515531 218922  0.5  0.1  0  0  0
**WSGRNGER 46198.          0
**OR516331 19650  1.0  1.0  0  0  0
**WSSTLHSE 225716.          0
**OR516131 70710  1.0  1.0  0  0  0
**WSBRABEL 408871.          0  3  -1
**OR516031 137280  1.0  0.1  0  0  0
TO      5          SET          SMTHRS
**TO      5          SET          SMTHRS          CONT
**LO      13          SET          RMOT2_SYS_LIM  CONT
**LO      6          SUB          RMOT2_SYS_IRR
SO
PX      2
** Fill Smithers
WR532531          20120302  1  2  0.0000          FILL_NRG  C5157  WH_DS
WSSMTHRS 17979.          0
    
```

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```

SO          D53251
PX          2
**
** Rest of NRG contract - set to 83,000 max diversion of 35,008 under backup and Excess flows = 47,992
WR532001  83000  IND420120302  2  1  0.0000          RMOT2_SYS_NRG2  C5157  WH_DS
WSSMRVLE 135891.          500
OR516431  48033          1.0  1.0  0  0  0
WSBRAWHT  50000.          0  0  0  1
OR515731  0  2.0  1.0  0  0  0
**WSALLENS 145533.          0
**OR292531  0  1.0  1.0
WSLMSTNE 185502.          0
OR516531  67620          1.0  -1  0  0  0  6500
WSGRNBRY 124128.          0
OR515631  46500          0.1  -1  0  0  0
WSPOSDOM 528007.          0
OR515531  218922          0.5  0.1  0  0  0
**WSGRNGER 46198.          0
**OR516331 19650          1.0  1.0  0  0  0
**WSTLHSE 225716.          0
**OR516131 70710          1.0  1.0  0  0  0
**WSBRABEL 408871.          0  3  -1
**OR516031 137280          1.0  0.1  0  0  0
TO  11  1.0  SUB          RMOT2_SYS_NRG
**TO  11  1.0  SUB          RMOT2_SYS_NRG  CONT
**LO  13  SET          RMOT2_SYS_LIM  CONT
**LO  6  SUB          RMOT2_SYS_IRR  CONT
**LO  6  SUB          RMOT2_SYS_NRG
PX          2
**
** GCWA fixed demand
**
** 1950s drought
WRCON155  48080          20120302  2  2  0.0000          ROST2_SYS_GCWA  C5164  SO_DS
WSSMRVLE 135891.          500
OR516431  48033          1.0  1.0  0  0  0
WSBRAWHT  50000.          0  0  0  1
OR515731  0  2.0  1.0  0  0  0
**WSALLENS 145533.          0
**OR292531  0  1.0  1.0
WSLMSTNE 185502.          0
OR516531  67620          1.0  -1  0  0  0  4200
WSGRNBRY 124128.          0
OR515631  46500          0.1  -1  0  0  0
**OR515631 46500          1.0  1.0  0  0  0
WSPOSDOM 528007.          0
OR515531  218922          0.5  0.1  0  0  0
**WSGRNGER 46198.          0
**OR516331 19650          1.0  1.0  0  0  0
**WSTLHSE 225716.          0
**OR516131 70710          1.0  1.0  0  0  0
**WSBRABEL 408871.          0  3  -1
**OR516031 137280          1.0  1.0  0  0  0
TO  13  MUL          use_drop1  CONT
LO  13  SET          ROST2_SYS_LIM  CONT
LO  6  SUB          ROST2_SYS_MUN  CONT
LO  6  SUB          ROST2_SYS_MUN2
PX          2
** new drought
WRCON155  48080          20120302  2  2  0.0000          ROST2_SYS_GCWA2  C5164  SO_DS
WSSMRVLE 135891.          500
OR516431  48033          1.0  1.0  0  0  0
WSBRAWHT  50000.          0  0  0  1
OR515731  0  2.0  1.0  0  0  0
**WSALLENS 145533.          0
**OR292531  0  1.0  1.0
WSLMSTNE 185502.          0
OR516531  67620          1.0  -1  0  0  0
**WSGRNBRY 124128.          0
**OR515631 46500          1.0  1.0  0  0  0
WSPOSDOM 528007.          0
OR515531  218922          0.5  0.1  0  0  0
**WSGRNGER 46198.          0
**OR516331 19650          1.0  1.0  0  0  0
**WSTLHSE 225716.          0
**OR516131 70710          1.0  1.0  0  0  0
**WSBRABEL 408871.          0  3  -1
**OR516031 137280          1.0  1.0  0  0  0
TO  13  MUL          use_drop2  CONT
LO  13  SET          ROST2_SYS_LIM  CONT
LO  6  SUB          ROST2_SYS_MUN  CONT
LO  6  SUB          ROST2_SYS_MUN2  CONT
LO  6  SUB          ROST2_SYS_GCWA

```

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```

PX      2
**
** DOW backup. System
** Change to a constant amount
** Move to Rosharon to apply instream flows
**
WRBRRO72 16000 IND420120302 2 2 0.0000          ROST2_SYS_DOW  C5164  SO_DS
WSSMRVLE 135891.
OR516431 48033 1.0 1.0 0 0 0
WSBRAWHT 50000.
OR515731 0 2.0 1.0 0 0 0 1
**WSALLENS 145533.
**OR292531 0 1.0 1.0
**WSLMSTNE 185502.
**OR516531 67620 1.0 -1 0 0 0
WGRNBRY 124128.
OR515631 46500 1.0 1.0 0 0 0
WSPOSDOM 528007.
OR515531 218922 0.5 0.1 0 0 0
**WGRNGER 46198.
**OR516331 19650 1.0 1.0 0 0 0
**WSSTLHSE 225716.
**OR516131 70710 1.0 1.0 0 0 0
**WSBRABEL 408871.
**OR516031 137280 1.0 0.1 0 0 0 3 -1
LO 13 SET ROST2_SYS_LIM CONT
LO 6 SUB ROST2_SYS_MUN CONT
LO 6 SUB ROST2_SYS_MUN2 CONT
LO 6 SUB ROST2_SYS_GCWA CONT
LO 6 SUB ROST2_SYS_GCWA2 CONT
PX 2
**
** System demand at Rosharon
**
** Set targets to determine operating scheme
** calculate percent full in subsystems
** putting priority date at beginning of timestep
**
WRBRGM73 1 8          gbpk_stor SYSTEM SYSOPS
TO -4 SET POSDOM CONT
TO -4 ADD GRNBRY CONT
TO 15 669415 DIV
** HDR - revised for 2020 sed conditions
**TO 15 879739 DIV
**
WRBRGM73 1 8          other_stor SYSTEM SYSOPS
TO -4 SET AQUILA CONT
TO -4 ADD BRAWHT CONT
TO -4 ADD LMSTNE CONT
TO -4 ADD SMRVLE CONT
TO 15 439218 DIV
** HDR - revised for 2020 sed conditions and No Allens Ck
**TO 15 633443 DIV
**TO -4 ADD ALLENS CONT
**TO 15 487910 DIV
**
WRBRGM73 1 8          little_stor SYSTEM SYSOPS
TO -4 SET BRABEL CONT
TO -4 ADD GRGTWN CONT
TO -4 ADD GRNGER CONT
TO -4 ADD PRCTOR CONT
TO -4 ADD STLHSE CONT
TO 15 789835 DIV
** HDR - revised for 2020 sed conditions
**TO 15 843300 DIV
**
** First condition - if PK and Granbury are above trigger then use 1950s drought operating scheme
** This will be 1 if GBPK are greater than trigger
**
WRBRGM73 1.0 XMONTH 1 8          gbpk_gt_max SYSTEM SYSOPS
TO 13 LIM 0.9700 999999          gbpk_stor
** This will be 0 if GBPK are greater than trigger
WRBRGM73 1.0 XMONTH 1 8          gbpk_lt_max SYSTEM SYSOPS
TO 13 LIM 0.1          gbpk_gt_max
**
** Next see if other two subsystems are greater than trigger
** This will be 1 if other reservoirs are greater than trigger
WRBRGM73 1.0 XMONTH 1 8          other_gt_max SYSTEM SYSOPS
TO 13 LIM 0.70 999999          other_stor
**
** This will be 1 if Little River reservoirs are greater than trigger
WRBRGM73 1.0 XMONTH 1 8          little_gt_max SYSTEM SYSOPS
TO 13 LIM 0.900 999999          little_stor

```

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**
** Combine to single trigger that checks if conditions for flipping to recent drought operating scheme are in place
** This will be 1 if other subsystems are greater than trigger
WRBRGM73          1  8                      rest_gt_max  SYSTEM  SYSOPS
TO 13             SET                      other_gt_max  CONT
TO 13             MUL                      little_gt_max
** This will be 0 if other subsystems are greater than trigger
WRBRGM73  1.0  XMONTH  1  8                      rest_lt_max  SYSTEM  SYSOPS
TO 13             LIM  0.1                      rest_gt_max
** Second condition. Add condition that GBPK must be less than trigger. This signals months when you flip
WRBRGM73          1  8                      start_dr2    SYSTEM  SYSOPS
TO 13             SET                      rest_gt_max  CONT
TO 13             MUL                      gbpk_lt_max
**
** If neither first nor second condition are true, use what happened last month
** Set to 1 if using 1950s operation scheme
WRBRGM73  1.0  XMONTH  1  8                      use_drop1_prev SYSTEM  SYSOPS
TO -13          LIM  0.9                      use_drop1     CONT
TO 13           MUL                      gbpk_lt_max   CONT
TO 13           MUL                      rest_lt_max
** Combine so that this will be greater than 0 when using 1950s drought operating scheme
WRBRGM73          1  8                      use_drop1     SYSTEM  SYSOPS
TO 13             SET                      gbpk_gt_max   CONT
TO 13             ADD                      use_drop1_prev
**
WRBRGM73  1.0  XMONTH  1  8                      use_drop2_prev SYSTEM  SYSOPS
TO -13          LIM  0.9                      use_drop2     CONT
TO 13           MUL                      gbpk_lt_max   CONT
TO 13           MUL                      rest_lt_max
WRBRGM73          1  8                      use_drop2     SYSTEM  SYSOPS
TO 13             SET                      start_dr2     CONT
TO 13             ADD                      use_drop2_prev
**
** New drought modeling
**
WRBRRO72  162000  MUN420120302  2  2  0.0000          ROST2_SYS_FIXED2  SYSTEM  SYSOPS
WSSMRVLE  135891.                    500
OR516431  48033  1.0  1.0  0  0  0
WSBRAWHT  50000.                    0  1
OR515731  0  2.0  1.0  0  0  0
**WSALLENS  145533.                    0
**OR292531  0  1.0  1.0
WSLMSTNE  185502.                    0
OR516531  67620  1.0  1.0  0  0  0
**WSGRNBRY  124128.                    0
**OR515631  46500  1.0  1.0  0  0  0
WSPOSDOM  528007.                    100
OR515531  218922  0.7  1.0  0  0  0
**WSGRNGER  46198.                    0
**OR516331  19650  1.0  1.0  0  0  0
**WSTLHSE  225716.                    0
**OR516131  70710  1.0  1.0  0  0  0
**WSBRABEL  408871.                    0  3  -1
**OR516031  137280  1.0  0.1  0  0  0
**WSAQUILA  35755.                    1000
**OR515831  15720  1.0  1.0  0  0  10000
**WSPRCTOR  48642.                    40000
**OR515931  40000  1.0  1.0  0  0  0
TO 13             MUL                      use_drop2     CONT
LO 13             SET                      ROST2_SYS_LIM CONT
LO 6              SUB                      ROST2_SYS_MUN CONT
LO 6              SUB                      ROST2_SYS_MUN2 CONT
LO 6              SUB                      ROST2_SYS_GCWA CONT
LO 6              SUB                      ROST2_SYS_GCWA2 CONT
LO 6              SUB                      ROST2_SYS_DOW
PX 2
**
WRBRRO72  254000  MUN420120302  2  2  0.0000          ROST2_SYS_YIELD2  SYSTEM  SYSOPS
WSSMRVLE  135891.                    500
OR516431  48033  1.0  1.0  0  0  0
WSBRAWHT  50000.                    0  1
OR515731  0  2.0  1.0  0  0  0
**WSALLENS  145533.                    0
**OR292531  0  2.0  1.0
WSLMSTNE  185502.                    0
OR516531  67620  1.3  1.5  0  0  0
WSGRNBRY  124128.                    0
OR515631  46500  1.5  1.0  0  0  0
WSPOSDOM  528007.                    100
OR515531  218922  1.0  1.0  0  0  0
WSGRNGER  46198.                    0
OR516331  19650  1.0  0.5  0  0  0
WSTLHSE  225716.                    0
OR516131  70710  0.1  0.5  0  0  0

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WSBRABEL 408871.					0		3	-1		
OR516031 137280	1.0	1.0		0	0	0				
WSAQUILA 35755.					1000					
OR515831 15720	1.0	1.0		0	0	0	11000			
**WSPRCTOR 48642.					40000					
**OR515931 40000	1.0	1.0		0	0	0				
TO 13		MUL					use_drop2	CONT		
LO 13		SET					ROST2_SYS_LIM	CONT		
LO 6		SUB					ROST2_SYS_MUN	CONT		
LO 6		SUB					ROST2_SYS_MUN2	CONT		
LO 6		SUB					ROST2_SYS_GCWA	CONT		
LO 6		SUB					ROST2_SYS_GCWA2	CONT		
LO 6		SUB					ROST2_SYS_DOW	CONT		
LO 6		SUB					ROST2_SYS_FIXED2	CONT		
PX 2										
**										
** 1950s drought										
**										
WRBRRO72 151000	MUN420120302	2	2	0.0000			ROST2_SYS_FIXED	SYSTEM	SYSOPS	
WSSMRVLE 135891.				500						
OR516431 48033	1.0	1.0		0	0	0				
WSBRAWHT 50000.				0		1				
OR515731 0	2.0	1.0		0	0	0				
**WSALLENS 145533.				0						
**OR292531 0	1.0	1.0								
WSLMSTNE 185502.				6000						
OR516531 67620	1.0	1.0		0	0	14800				
WSGRNBRY 124128.				0						
OR515631 46500	0.1	-1		0	0	0				
WSPOSDOM 528007.				30000						
OR515531 218922	1.0	1.0		0	0	0				
**WSGRNGER 46198.				0						
**OR516331 19650	1.0	1.0		0	0	0				
**WSSTLHSE 225716.				0						
**OR516131 70710	1.0	1.0		0	0	0				
**WSBRABEL 408871.				0		3	-1			
**OR516031 137280	1.0	0.1		0	0	0				
**WSAQUILA 35755.				1000						
**OR515831 15720	1.0	1.0		0	0	10000				
**WSPRCTOR 48642.				40000						
**OR515931 40000	1.0	1.0		0	0	0				
TO 13		MUL					use_drop1	CONT		
LO 13		SET					ROST2_SYS_LIM	CONT		
LO 6		SUB					ROST2_SYS_MUN	CONT		
LO 6		SUB					ROST2_SYS_MUN2	CONT		
LO 6		SUB					ROST2_SYS_GCWA	CONT		
LO 6		SUB					ROST2_SYS_GCWA2	CONT		
LO 6		SUB					ROST2_SYS_DOW	CONT		
LO 6		SUB					ROST2_SYS_FIXED2	CONT		
LO 6		SUB					ROST2_SYS_YIELD2	CONT		
PX 2										
**										
WRBRRO72 265000	MUN420120302	2	2	0.0000			ROST2_SYS_YIELD	SYSTEM	SYSOPS	
WSSMRVLE 135891.				500						
OR516431 48033	1.0	1.0		0	0	0				
WSBRAWHT 50000.				0		1				
OR515731 0	2.0	1.0		0	0	0				
**WSALLENS 145533.				0						
**OR292531 0	1.0	1.0								
**WSLMSTNE 185502.				0						
**OR516531 67620	1.0	-1		0	0	0				
WSGRNBRY 124128.				0						
OR515631 46500	1.0	-1		0	0	0				
WSPOSDOM 528007.				100						
OR515531 218922	0.5	0.1		0	0	0				
**WSGRNGER 46198.				0						
**OR516331 19650	1.0	1.0		0	0	0				
**WSSTLHSE 225716.				0						
**OR516131 70710	1.0	1.0		0	0	0				
**WSBRABEL 408871.				0		3	-1			
**OR516031 137280	1.0	0.1		0	0	0				
WSAQUILA 35755.				1000						
OR515831 15720	0.5	0.1		0	0	11000				
**OR515831 15720	1.0	1.0		0	0	10000				
**WSPRCTOR 48642.				40000						
**OR515931 40000	1.0	1.0		0	0	0				
TO 13		MUL					use_drop1	CONT		
LO 13		SET					ROST2_SYS_LIM	CONT		
LO 6		SUB					ROST2_SYS_MUN	CONT		
LO 6		SUB					ROST2_SYS_MUN2	CONT		
LO 6		SUB					ROST2_SYS_GCWA	CONT		
LO 6		SUB					ROST2_SYS_GCWA2	CONT		
LO 6		SUB					ROST2_SYS_DOW	CONT		
LO 6		SUB					ROST2_SYS_FIXED2	CONT		

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** All other reservoirs use 2020 sediment condations SVSAs with conservatoin capacities for 2050 sed condtions set in WS records.

**Alcoa 12190 SD

SV121901	0.	52.	257.	485.	783.	1181.	1685.	2611.	3621.	4839.	6716.	9390.
SA	0.	7.	13.	17.	23.	30.	38.	59.	74.	97.	158.	379.

**Alcoa Inc., App. 12-5816, IO

SV R5816	0	95.25	126.68	354.72	474.64	1417.9	1696.73	2389.45	3326.04	3645.39	4237.11	4380.45
SA	0	5.69	9.5	21.767	26.31	51.35	60.28	78.43	110.62	125.9	159.2	169

SV580331	0.	7.41	26.81	55.85	98.62	159.27	240.89	344.60	476.27	650.02	926.48	936.29
SA	0.0	2.9	4.8	7.3	10.1	14.4	18.4	23.2	29.7	43.7	65.2	65.6
SV580332	0.	22.45	152.53	507.10	1002.25	1625.94	2366.90	3372.88	5043.44	7019.37	9797.05	13492
SA	0.0	2.7	13.5	21.4	28.1	34.2	40.0	68.8	92.4	104.4	118.3	190.5

** SV/SA RECORD FOR WHEELER BRANCH RESERVOIR, APP. 5744

SV 5744W	0.	307	670	1252	2122	3339	3791	3952	4118	4826	5013	5605
SA	0.	28	45	72	103	143	158	164	169	185	189	200

**Paul Weinman Application 5665

SV R5665	0.	612.	1224.	1836.								
SA	0.	612.	612.	612.								

SVBRUTIL	0.	20.	62.	400.	600.	1200.	2200.	3750.	5500.	8000.	11000.	15227.
SA	0.	5.	20.	50.	90.	150.	240.	330.	440.	560.	680.	839.
SVBRUSHY	0.	1.	68.	363.	1059.	2208.	3884.	6214.	9269.	13119.	17868.	20608.
SA	0.	1.	33.	115.	234.	341.	497.	668.	860.	1065.	1310.	1430.
SVEGLNST	0.	6498.	11315.	17797.								
SA	0.	1594.	2260.	2926.								

**SVPOSTRE	0.	281.	2561.	7155.	14243.	24154.	37742.	57420.	83420.			
**SA	0.	84.	355.	560.	854.	1128.	1655.	2283.	2915.			
**SVALLENS	0.	719.	2046.	4233.	7276.	11171.	25952.	37803.	63687.	90524.	124692.	145533.
**SA	0.	924.	1775.	2627.	3478.	4329.	5527.	6326.	6616.	6767.	6902.	7003.

SVABILNE	0.	354.	1589.	4351.								
SA	0.	127.	323.	595.								
SVALANHN	0.	460.	4987.	12382.	22461.	35397.	42997.	51412.	60824.	71207.	82766.	95883.
SA	0.	282.	595.	874.	1140.	1442.	1598.	1786.	1979.	2187.	2446.	2800.
SVALCOAL	0.	217.	434.	987.	3050.	5062.	6130.	7915.	9701.	10893.	11390.	14537.
SA	0.	33.	77.	132.	319.	454.	508.	590.	672.	726.	754.	880.

** HDR - Replaced with 2050 SVSA

**SVAQUILA	0.	453.	2218.	5703.	8135.	11070.	14459.	18442.	23118.	28508.	34758.	42025.
**SA	0.	205.	504.	868.	1081.	1265.	1458.	1731.	2007.	2310.	2689.	3084.

SVAQUILA	0.	231.	1807.	3235.	5119.	7499.	10333.	13766.	17909.	22801.	28618.	35755.
SA	0.	156.	490.	651.	860.	1042.	1236.	1513.	1799.	2120.	2533.	3084.
SVBELTON	0.	1669.	6450.	17187.	36104.	65139.	107574.	163149.	235103.	328492.	383235.	430951.
SA	0.	295.	693.	1493.	2323.	3511.	4956.	6293.	8272.	10444.	11454.	12445.
SVBFSPRG	0.	22.	97.	256.	519.	901.	1427.	2112.	2959.			
SA	0.	8.	22.	41.	65.	89.	122.	152.	183.			
SVCAMCRK	0.	42.	198.	510.	994.	1648.	2465.	3435.	4548.	5799.	6476.	
SA	0.	42.	114.	199.	285.	370.	447.	523.	591.	660.	695.	
SVCISCO	0.	45.	260.	711.	1654.	3391.	6128.	8490.	10266.	16613.	25597.	
SA	0.	7.	31.	70.	129.	214.	334.	439.	509.	735.	1050.	
SVDANIEL	0.	243.	508.	1030.	1555.	2240.	3099.	4136.	5362.	6784.	8429.	9343.
SA	0.	58.	127.	226.	302.	386.	475.	564.	660.	764.	878.	948.
SVFPHNHR	0.	274.	1597.	2181.	4167.	5835.	7871.	14377.	22838.	33556.	47344.	67077.
SA	0.	120.	347.	432.	728.	936.	1102.	1488.	1894.	2421.	3029.	4213.
SVGRGTWN	0.	59.	116.	535.	1739.	3915.	7091.	11325.	16972.	24211.	32974.	37984.
SA	0.	15.	23.	102.	210.	332.	452.	609.	816.	995.	1200.	1307.
SVGIBCRK	0.	63.	253.	847.	2107.	3507.	5350.	7350.	10286.	13524.	21232.	25770.
SA	0.	24.	189.	376.	617.	781.	969.	1132.	1422.	1658.	2005.	2328.
SVEDLGRM	0.	164.	786.	1149.	1603.	2156.	2835.	3623.	4518.	5492.	6476.	7460.
SA	0.	82.	230.	291.	357.	439.	524.	597.	701.	812.	945.	1099.

** HDR - Replaced with 2050 SVSA

**SVGRNBRY	0.	201.	1215.	3283.	6923.	12771.	21672.	33932.	50826.	75388.	111746.	132468.
**SA	0.	97.	255.	452.	776.	1198.	1757.	2359.	3353.	4904.	7173.	8172.

SVGRNBRY	0.	820.	4255.	9104.	16977.	22152.	35422.	54764.	67811.	83761.	103485.	124128.
SA	0.	202.	613.	1029.	1585.	1866.	2640.	3934.	4769.	5941.	7084.	8172.
SVRNGER	0.	216.	1018.	1806.	3055.	4734.	6789.	9278.	12218.	15641.	19605.	50758.
SA	0.	123.	311.	491.	747.	929.	1133.	1357.	1595.	1839.	2126.	4159.
SVHUBBRD	0.	4866.	13479.	27316.	36531.	54720.	79136.	110302.	149258.	197020.	253913.	321006.
SA	0.	990.	1905.	2749.	3412.	4495.	5828.	7405.	9233.	11104.	13098.	14922.
SVKIRBY	0.	41.	25.	492.	1800.	4241.	4857.	6022.				
SA	0.	11.	32.	155.	369.	607.	622.	680.				
SVLAKECR	0.	118.	277.	495.	1218.	1729.	2317.	3885.	4871.	5968.	7219.	7706.
SA	0.	44.	75.	109.	183.	214.	266.	365.	416.	470.	526.	552.
SVLDAVIS	0.	37.	98.	207.	375.	612.	924.	1332.	1880.	2602.	3505.	3892.
SA	0.	19.	42.	67.	102.	136.	176.	232.	315.	408.	495.	547.
SVLKLEON	0.	231.	1027.	2585.	4442.	5738.	7263.	11088.	13424.	18933.	22174.	26458.
SA	0.	38.	135.	293.	465.	565.	664.	876.	986.	1214.	1383.	1600.
SVLKWACO	0.	216.	371.	804.	1693.	3670.	14027.	28969.	52594.	78971.	144850.	186767.
SA	0.	26.	39.	110.	174.	1003.	2407.	3567.	4449.	5290.	7169.	8190.
SVLMSTNE	0.	165.	2421.	7995.	17637.	23923.	31045.	39252.	49050.	60474.	73498.	199932.
SA	0.	233.	947.	1883.	2940.	3336.	3814.	4426.	5301.	6123.	6892.	12486.
SVMEXIA	0.	27.	113.	291.	538.	923.	1425.	3215.	4423.			
SA	0.	39.	102.	172.	236.	319.	465.	865.	1009.			
SVMLRCRK	0.	133.	478.	1409.	2493.	3961.	5920.	8514.	13314.	18311.	22126.	

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SA          0.    92.   182.   324.   439.   589.   787.  1023.  1502.  1981.  2437.
SVMNRLWL   0.    65.   347.   588.   908.  1274.  1714.  2213.  2751.  3414.  4242.  5324.
SA          0.    43.   98.   146.   172.   196.   238.   260.   278.   391.   429.   477.
SVPLPNT0   0.    10.   69.   269.   687.  1665.  3657.  6096.  13129. 22390. 26656.
SA          0.     3.   23.   58.   118.   308.   480.   763.  1563.  2088.  2176.
SVCLEBRN   0.   438.  912. 1693. 2881. 4097. 5835. 7696. 10431. 13391. 20752. 25300.
SA          0.   136.  217.  305.  398.  504.  653.  780.  940.  1106.  1464.  1568.
** HDR - Replaced with 2050 SVSA
**SVPOSDOM 0.    999.  7242. 27857. 52849. 89385. 138858. 202919. 286161. 397908. 469060. 536947.
**SA        0.    312.  927.  2008.  3026.  4280.  5633.  7242.  9561.  12774.  15928.  17914.
SVPOSDOM   0.  2682. 11123. 25458. 49428. 84890. 133273. 196268. 278517. 389419. 460249. 528007.
SA          0.   557.  1121.  1909.  2920.  4171.  5525.  7138.  9468.  12701.  15874.  17914.
SVPRCTOR   0.   205.  1735.  4156.  7494.  12066.  17737.  24614.  32892.  38429.  44565.  53474.
SA          0.   301.  680.   999.  1367.  1734.  2134.  2474.  3402.  3892.  4316.  4615.
SVSMTHRS   0.    68.  991. 2271. 3724. 5338. 7120. 9074. 11194. 13455. 15818. 18247.
SA          0.   656. 1187. 1373. 1530. 1698. 1865. 2043. 2196. 2324. 2401. 2457.
** HDR - Replaced with 2050 SVSA
**SVSMRVLE 0.    227.  2836.  8951. 18862. 32047. 49460. 71024. 96220. 110433. 125640. 147261.
**SA        0.    399.  1402.  2711.  3821.  4989.  6518.  7764.  9124.  9821.  10433.  11395.
SVSMRVLE   0.  1005. 4969. 12634. 23826. 39710. 60291. 72055. 85000. 99112. 114279. 135891.
SA          0.   744. 1953. 3097. 4392. 6098. 7524. 8227. 9030. 9777. 10420. 11395.
SVSQWCRK   0.  3191. 6181. 10682. 17733. 25048. 35097. 46206. 62136. 79658. 122581. 149648.
SA          0.   307.  419.   568.   792.   989.  1222.  1495.  1817.  2124.  2793.  3169.
SVSTMFRD   0.   278.  680.  2449.  5974. 11608. 15550. 20453. 26317. 33208. 41431. 46132.
SA          0.   138.  268.   662.  1122.  1751.  2200.  2707.  3149.  3769.  4458.  4869.
SVSTLHSE   0.   334.  7240. 14107. 24453. 39300. 59450. 85767. 119188. 162010. 216711. 229286.
SA          0.   102.  553.   842.  1245.  1751.  2310.  2973.  3745.  4859.  6154.  6429.
SVLSWEET   0.   204.  599.  1254.  2233.  3523.  5139.  7192.  9772.  10643.  12953.  16819.
SA          0.    57.  101.   161.   231.   286.   361.   461.   571.   591.   702.   844.
SVTRCRLK   0.   112.  616.  1844.  4011.  7172.  11406.  16833.  23623.  32008.  35849.  36597.
SA          0.    46.  156.   336.   530.   735.   960.  1212.  1505.  1848.  1993.  2027.
SVTWNQAK   0.   277.  795.  1077.  2483.  5776.  10826.  14047.  17759.  21978.  26694.  29466.
SA          0.   115.  226.   337.   614.  1037.  1493.  1724.  1987.  2232.  2468.  2619.
SVWHTRVR   0.    20.  276.  1147.  2594.  4761.  7611.  11211.  15171.  20006.
SA          0.     6.  155.   376.   578.   777.  1007.  1235.  1395.  1642.
** HDR - Replaced with 2050 SVSA
**SVBRAWHT 0.   1222.  3941. 15712. 34189. 60146. 135211. 207069. 294146. 401404. 540553.
**SA        0.    208.   562.  1506.  2860.  4460.  7142.  10930.  13810.  17169.  23220.
SVBRAWHT   0.   677.  8320. 23321. 46506. 116493. 185390. 270109. 375357. 513253.
SA          0.   222.  1127.  2466.  4062.  6759.  10573.  13492.  16919.  23220.
**
** HDR - Upated DI/IS/IP records for 2050 sed conditons
** FNI change - drought index 1 and 2 for PK FERC requirements (990 feet and 994.5 feet)
DI          1          1 POSDOM
IS          4          0 453166 453166 528007
IP          0          0          100          100
**
DI          2          1 POSDOM
IS          4          0 389419 389419 528007
IP          0          0          100          100
**
** Drought index for Whitney hydropower
** Elevations 520, 527, 530 and 533
**
DI          3          2 BRAWHT CORWHT
IS          6          0 395056 395056 454155 454155 513253
IP          21.78    21.78  44.28  44.28          100          100
**
DI          4          2 BRAWHT CORWHT
IS          4          0 285144 285144 540554
IP          0          0          100          100
**
EA          1          2 BRAWHT CORWHT
EA          2          2 LKWACO WACO2 WACO4
EA          3          2 BELTON BRABEL
**
** FNI change
**IS          4          0 28374 28375 36856
**DI          5          3 WHITNY BRA CORWHT
**IS          4          0 387024 387025 636100
**IP          0          0          100          100
**EA          1          2 WHITNY BRA CORWHT
**EA          2          2 LKWACO WACO2 WACO4 WACO5
**
** END OF FILE
ED

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Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



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WAM INPUT FILE FOR 2070 WITHOUT SYSTEM OPERATIONS (.DAT FILE)

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T1 2070 BRAZOS G WAM -- Brazos River Basin & San Jacinto-Brazos Coastal Basin
T2 No System Operations Version: SysOps excluded to calculate stand alone yields of BRA Reservoirs
**
** TWDB BRAZOS TRENDS STUDY - 2050 BRAZOS G WAM
**
** Modification made to the System Operations Model for development of the 2070 Brazos G WAM are documented in the 2021 Brazos
G
** Water Plan and in the TWDB Brazos Trends Study final report.
**
** MODIFICATIONS BY FNI FOR WMP
** New Appropriations Run - Allens Creek, All return flows
**
** New appropriation determined at Richmond
**
** Modifications include
**
** (1) Zero 1949 Priority Brazos Electric Cooperative WR downstream of Belton (CP 293901)
** (5) Added option excluding released water for Hale clause rights (now in cc 34 instead of 44)
** (6) Modified Stillhouse-Georgetown pipeline, Belton to Stillhouse pipeline as well
** (7) BRA System Operation based on application run, but with demand at expected locations
** (8) Demands are full use of existing contracts plus new needs identified in regional water plans
**
** FNI modifications can be found by searching for the string "FNI change"
**
**
** JD FIELDS
** NYRS YRST ICHECK CPOUT OUTWR IDSET ADJINC NEGINC EPADJ
JD 76 1940 1 0 0 5 -1
**JO 2 3
JO 2 3
**JO 1 2
**
** UC RECORDS
**
UCLYTEST 116 112 100 148 738 1142
UC 354 210 500 270 177 148
** DOUBLE MOUNTAIN FORK NEAR ASPERMONT
UCDM-SUB 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCDM-DRY 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCDM-AVG 246 224 184 178 184 178
UC 123 123 119 123 238 246
UCDM-WET 921 839 491 475 491 475
UC 430 430 416 430 891 921
** SALT FORK NEAR ASPERMONT
UCSF-SUB 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCSF-DRY 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCSF-AVG 246 224 123 119 123 119
UC 61 61 59 61 238 246
UCSF-WET 552 503 307 297 307 297
UC 184 184 178 184 535 552
** BRAZOS RIVER NEAR SEYMOUR
UCSM-SUB 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCSM-DRY 614 559 430 416 430 416
UC 246 246 238 246 594 614
UCSM-AVG 1535 1398 1166 1129 1166 1129
UC 798 798 772 798 1485 1535
UCSM-WET 2823 2573 2148 2079 2148 2079
UC 1964 1964 1901 1964 2732 2823
** CLEAR FORK AT NUGENT
UCNU-SUB 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCNU-DRY 307 280 184 178 184 178
UC 61 61 59 61 297 307
UCNU-AVG 491 447 368 356 368 356
UC 246 246 238 246 475 491
UCNU-WET 798 727 737 713 737 713
UC 552 552 535 552 772 798
** CLEAR FORK AT LUEDERS
UCLU-SUB 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCLU-DRY 430 392 246 238 246 238
UC 61 61 59 61 416 430
UCLU-AVG 614 559 430 416 430 416
UC 307 307 297 307 594 614
UCLU-WET 982 895 921 891 921 891
UC 675 675 653 675 950 982

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** BRAZOS NEAR SOUTH BEND						
UCSB-SUB	61	56	61	59	61	59
UC	61	61	59	61	59	61
UCSB-DRY	2210	2014	1780	1723	1780	1723
UC	982	982	950	982	2138	2210
UCSB-AVG	4481	4083	3683	3564	3683	3564
UC	2823	2823	2732	2823	4336	4481
UCSB-WET	7366	6712	6138	5940	6138	5940
UC	5831	5831	5643	5831	7128	7366
** BRAZOS NEAR PALO PINTO						
UCPP-SUB	1043	951	1043	1010	1043	1010
UC	1043	1043	1010	1043	1010	1043
UCPP-DRY	2455	2237	2394	2317	2394	2317
UC	2455	2455	2376	2455	2376	2455
UCPP-AVG	3744	3412	4604	4455	4604	4455
UC	4419	4419	4277	4419	3623	3744
UCPP-WET	6138	5594	7366	7128	7366	7128
UC	7366	7366	7128	7366	5940	6138
** BRAZOS NEAR GLEN ROSE						
UCGR-SUB	982	895	982	950	982	950
UC	982	982	950	982	950	982
UCGR-DRY	2578	2349	2885	2792	2885	2792
UC	2271	2271	2198	2271	2495	2578
UCGR-AVG	4726	4307	5647	5465	5647	5465
UC	4297	4297	4158	4297	4574	4726
UCGR-WET	9821	8950	10435	10098	10435	10098
UC	9821	9821	9504	9821	9504	9821
** NORTH BOSQUE RIVER NEAR CLIFTON						
UCNB-SUB	61	56	61	59	61	59
UC	61	61	59	61	59	61
UCNB-DRY	307	280	430	416	430	416
UC	184	184	178	184	297	307
UCNB-AVG	737	671	982	950	982	950
UC	491	491	475	491	713	737
UCNB-WET	1535	1398	2026	1960	2026	1960
UC	1043	1043	1010	1043	1485	1535
** BRAZOS AT WACO						
UCWA-SUB	3437	3132	3437	3326	3437	3326
UC	3437	3437	3326	3437	3326	3437
UCWA-DRY	7366	6712	9207	8910	9207	8910
UC	8593	8593	8316	8593	7128	7366
UCWA-AVG	12890	11746	16573	16038	16573	16038
UC	15345	15345	14850	15345	12474	12890
UCWA-WET	29462	26849	42352	40986	42352	40986
UC	36214	36214	35046	36214	28512	29462
** LEON RIVER AT GATESVILLE						
UCGT-SUB	61	56	61	59	61	59
UC	61	61	59	61	59	61
UCGT-DRY	552	503	614	594	614	594
UC	246	246	238	246	535	552
UCGT-AVG	1228	1119	1473	1426	1473	1426
UC	737	737	713	737	1188	1228
UCGT-WET	3192	2909	3315	3208	3315	3208
UC	1657	1657	1604	1657	3089	3192
** LAMPASAS RIVER NEAR KEMPNER						
UCLA-SUB	614	559	614	594	614	594
UC	614	614	594	614	594	614
UCLA-DRY	1105	1007	1289	1247	1289	1247
UC	982	982	950	982	1069	1105
UCLA-AVG	1657	1510	1780	1723	1780	1723
UC	1412	1412	1366	1412	1604	1657
UCLA-WET	2394	2181	2639	2554	2639	2554
UC	1964	1964	1901	1964	2317	2394
** LITTLE RIVER NEAR LITTLE RIVER						
UCLR-SUB	3376	3076	3376	3267	3376	3267
UC	3376	3376	3267	3376	3267	3376
UCLR-DRY	5033	4587	5831	5643	5831	5643
UC	5156	5156	4990	5156	4871	5033
UCLR-AVG	6752	6153	9207	8910	9207	8910
UC	7366	7366	7128	7366	6534	6752
UCLR-WET	11662	10628	20869	20196	20869	20196
UC	12276	12276	11880	12276	11286	11662
** LITTLE RIVER NEAR CAMERON						
UCCA-SUB	1964	1790	1964	1901	1964	1901
UC	1964	1964	1901	1964	1901	1964
UCCA-DRY	6752	6153	8593	8316	8593	8316
UC	5954	5954	5762	5954	6534	6752
UCCA-AVG	11662	10628	19028	18414	19028	18414
UC	9821	9821	9504	9821	11286	11662
UCCA-WET	28235	25730	46649	45144	46649	45144
UC	20255	20255	19602	20255	27324	28235
** BRAZOS AT BRYAN						
UCBR-SUB	18414	16781	18414	17820	18414	17820
UC	18414	18414	17820	18414	17820	18414

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UCBR-DRY	33145	30205	43580	42174	43580	42174
UC	38669	38669	37422	38669	32076	33145
UCBR-AVG	52787	48104	77339	74844	77339	74844
UC	56470	56470	54648	56470	51084	52787
UCBR-WET	108029	98446	150995	146124	150995	146124
UC	90229	90229	87318	90229	104544	108029
** NAVASOTA RIVER NEAR EASTERLY						
UCEA-SUB	61	56	61	59	61	59
UC	61	61	59	61	59	61
UCEA-DRY	552	503	614	594	614	594
UC	184	184	178	184	535	552
UCEA-AVG	859	783	1166	1129	1166	1129
UC	491	491	475	491	832	859
UCEA-WET	1412	1287	1780	1723	1780	1723
UC	982	982	950	982	1366	1412
** BRAZOS AT HEMPSTEAD						
UCHE-SUB	31304	28527	31304	30294	31304	30294
UC	31304	31304	30294	31304	30294	31304
UCHE-DRY	56470	51460	69359	67122	69359	67122
UC	58311	58311	56430	58311	54648	56470
UCHE-AVG	88387	80546	116622	112860	116622	112860
UC	81635	81635	79002	81635	85536	88387
UCHE-WET	177388	161652	211147	204336	211147	204336
UC	125829	125829	121770	125829	171666	177388
** BRAZOS AT RICHMOND						
UCRC-SUB	33759	30764	33759	32670	33759	32670
UC	33759	33759	32670	33759	32670	33759
UCRC-DRY	60766	55376	73042	70686	73042	70686
UC	57083	57083	55242	57083	58806	60766
UCRC-AVG	101277	92293	131353	127116	131353	127116
UC	81635	81635	79002	81635	98010	101277
UCRC-WET	203168	185145	244292	236412	244292	236412
UC	134422	134422	130086	134422	196614	203168
** BRAZOS AT ROSHARON						
UCRO-SUB	26393	24052	26393	25542	26393	25542
UC	26393	26393	25542	26393	25542	26393
UCRO-DRY	69973	63766	76725	74250	76725	74250
UC	57083	57083	55242	57083	67716	69973
UCRO-AVG	128284	116904	157747	152658	157747	152658
UC	87160	87160	84348	87160	124146	128284
UCRO-WET	288486	262895	290942	281556	290941	281556
UC	161429	161429	156222	161429	279180	288486
**						
** FNI change - new UC records						
UC DAYS	31.	28.25	31.	30.	31.	30.
UC	31.	31.	30.	31.	30.	31.
** PK FERC						
UCPKFERC	0.05813	0.05297	0.11626	0.11252	0.11626	0.11252
UC	0.08721	0.08721	0.08439	0.05813	0.05626	0.05813
** Stillhouse GT pipeline						
UC PIPE	0.07	0.07	0.07	0.08	0.09	0.09
UC	0.10	0.10	0.09	0.08	0.08	0.08
**						
**City of Waco, App. 5840, IO, 8/8/06						
UCIFWCRE	20163.	19489.	31413.	31827.	41740.	38490.
UC	30129.	30129.	14337.	10696.	7496.	17643.
**						
**City of Cleburne, Instream Flow Restriction, App. No. 12-4106C, FM, 3/31/05						
UC4106IF	197	178	498	482	498	262
UC	74	74	71	74	71	74
**						
** end FNI change						
** Smiling Mallard Development, 5788, sj						
UCIF5788	1.84	1.67	3.69	1.79	1.84	0.60
UC	0.00	0.00	0.00	0.00	0.00	0.62
** TXU Kosse Lignite, 5931, 9/29/06, io						
UC 5931	75	75	85	85	90	90
UC	90	90	85	85	75	75
**						
UC MERID	11	14	37	40	64	40
UC	11	4	6	5	8	9
** Bandy, Monthly Diversion Distribution, 12-4191, jd - 3/30/04						
UC BANDY	0.03	0.03	0.05	0.08	0.10	0.12
UC	0.15	0.15	0.15	0.08	0.03	0.03
**Alcoa Inc., App. 12-5816, 8/24/05, io						
UC5816DI	0	0	54	54	54	108
UC	108	109	55	54	54	0
**Alcoa Inc., Monthly Diversion Distribution, 12-5803, FM-12/29/03						
UC ALCOA	0	0	54	54	54	108
UC	108	109	55	54	54	0
**John & Ida Taylor Instream Flow Restriction, 12-2996a, jd - 10/16/03						
UCTAYLIF	14	14	33	33	54	33
UC	14	14	14	14	14	14
**John & Ida Taylor Diversion Distribution, 12-2996a, jd - 10/16/03						

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UCTAYLOR	0	0	5	5	8	10
UC	11	11	6	0	0	0
**						
**Ed Johnson - Instream Flow Restriction, app. 5791, io						
UC5791IF	31	28	31	30	31	30
UC	31	31	30	31	30	31
**Ed Johnson - Demand Distribution, app. 5791, io						
UC5791DD	0.	0.	0.	0.	20.	40.
UC	40.	40.	20.	0.	0.	0.
**						
** IF records for Larry Adams Amend 12-3653A						
UC 3653A	238	238	773	773	1725	1725
UC	238	238	238	238	238	238
UC 3653B	297	297	892	892	2082	2082
UC	297	297	297	297	297	297
** UC for Lesley amend 12-2221A - JD 12/11/02						
UC 2221A	2.46	3.28	4.10	9.84	8.2	8.2
UC	8.2	7.38	10.66	10.66	4.92	4.1
** IF for Lesley amend 12-2221A						
UC2221IF	.5	.5	1.5	1.5	3.5	3.5
UC	.5	.5	.5	.5	.5	.5
**						
**App. No. 12-2991A						
UC2991IF	41	51	126	162	269	154
UC	29	6	9	12	18	31
** UC FOR APPLICATION 5767, HERMAN STROUD						
UC576741	0	0	0	0	12.5	25
UC	25	25	12.5	0	0	0
** UC FOR INSTREAM FLOW RESTRICTION FOR HERMAN STROUD, APP 5767						
UC5767IF	5410	3776	7746	8388	17520	23380
UC	13401	12848	10827	6270	4733	4856
**						
** UC for Clark diversion A5795						
UC CLARK	0.5	1.0	1.5	1.5	2.0	2.5
UC	3.5	4.5	3.0	2.0	0.5	0.5
**						
** UC FOR GAVRONOVIC, APPLICATION 5752						
UC 5752	94	120	211	211	258	331
UC	331	250	216	216	115	107
** UC FOR GAVRONOVIC IF ON OLD RIVER, APP 5752						
UC GAVIF	277	250	461	446	461	268
UC	61	61	59	61	59	277
** UC FOR GAVRONOVIC IF ON BRAZOS RIVER, APP 5752						
UC5752IF	69834	84168	124310	137070	272924	196320
UC	80786	52731	51390	45136	43680	58528
**						
** UC FOR INSTREAM FLOW RESTRICTION FOR SOMERVELL COUNTY WATER DISTRICT APP 5744						
UC5744IF	412	439	885	857	1672	1041
UC	381	191	220	258	345	357
**						
**Application 5665, Paul Weinman.						
**UC for IF restrictions						
**UCIF5665	61473	94391	79915	160623	328881	196317
**UC	92210	49178	80331	49178	56516	73768
**Applicant requested that point for measuring IF be moved to USGS gage 08114000. Reversed proration back to gage.						
UCIF5665	1050	1750	1300	2750	5450	3350
UC	1500	850	1400	900	950	1200
**						
** UC FOR LAKEVIEW GOLF COURSE FLOW RESTRICTION						
UC IFLGC	615	555	1906	1844	3627	1844
UC	615	369	357	369	357	369
** UC RECORD FOR LAKEVIEW GOLF COURSE DIVERSION						
UC LGC	0	0	2	2	2	4
UC	4	4	2	0	0	0
** UC Records added/changed by adding P2925, TWDB, et al.						
UCMEDIAN	6.058	9.202	7.652	10.512	21.388	12.740
UC	5.938	3.256	5.239	5.251	5.568	7.196
UC25THPT	5.504	9.143	7.668	10.139	18.037	14.344
UC	6.503	4.191	6.100	6.269	6.078	6.024
UC 7Q2	8.493	7.671	8.493	8.219	8.493	8.219
UC	8.493	8.493	8.219	8.493	8.219	8.493
UCALDSWR	7.700	6.955	7.864	8.267	8.542	9.532
UC	9.850	9.850	8.267	7.864	7.611	7.700
**						
** UC Records added/changed by adding P5686, COASTAL BEND PROPERTY DEVELOPMENT						
UCIFD129	338.	305.	338.	327.	338.	327.
UC	129.	129.	125.	129.	125.	129.
**						
** UC Records added/changed by adding P5729, MICHAEL & FAYE HORTON.						
UCIFD076	553.	1055.	2275.	2201.	5410.	5236.
UC	1168.	553.	535.	553.	535.	1168.
**						
** UC Records added/changed by adding C3775, LLOYD E LEIFESTE ET UX.						

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UCIFD08D	8116.	7331.	29146.	28205.	62718.	28205.
UC	29146.	8116.	7855.	8116.	7855.	8116.
**						
** UC Records added/changed by adding P5692, Walter Exploration Inc.						
UCIFD011	68.	61.	68.	65.	922.	893.
UC	271.	271.	262.	271.	107.	111.
** UC Records added/changed by modifying C4355, City of Marlin.						
UC MUNRE	0.032	0.031	0.033	0.034	0.123	0.157
UC	0.167	0.159	0.150	0.043	0.036	0.034
UC MUNRI	0.131	0.127	0.133	0.139	0.000	0.000
UC	0.000	0.000	0.000	0.180	0.150	0.139
UC INDRI	0.143	0.143	0.143	0.143	0.000	0.000
UC	0.000	0.000	0.000	0.143	0.143	0.143
** FNI change - BRA contract for Marlin, divert when Marlin Brazos right cannot						
**						
UCmarlin	0.	0.	0.	0.	1.	1.
UC	1.	1.	1.	0.	0.	0.
**						
**						
UC HYD3	31.	28.	31.	30.	31.	30.
UC	31.	31.	30.	31.	30.	31.
UC HYD2	31.	28.	31.	30.	31.	30.
UC	31.	31.	30.	31.	30.	31.
UC MIN1	31.	28.	31.	30.	31.	30.
UC	31.	31.	30.	31.	30.	31.
UC MIN2	31.	28.	31.	30.	31.	30.
UC	31.	31.	30.	31.	30.	31.
UC MIN3	31.	28.	31.	30.	31.	30.
UC	31.	31.	30.	31.	30.	31.
UC MIN4	31.	28.	31.	30.	31.	30.
UC	31.	31.	30.	31.	30.	31.
UC IRR1	0.024	0.033	0.050	0.058	0.082	0.182
UC	0.201	0.178	0.087	0.046	0.036	0.023
UC IRR2	0.005	0.007	0.017	0.033	0.092	0.163
UC	0.267	0.235	0.117	0.044	0.014	0.007
UC IRR3	0.005	0.008	0.018	0.032	0.075	0.189
UC	0.304	0.253	0.079	0.022	0.008	0.007
UC IRR4	0.006	0.009	0.018	0.056	0.110	0.203
UC	0.239	0.209	0.069	0.046	0.028	0.007
UC IND1	0.054	0.060	0.070	0.083	0.094	0.105
UC	0.113	0.106	0.096	0.083	0.072	0.062
UC IND2	0.054	0.060	0.070	0.083	0.094	0.105
UC	0.113	0.106	0.096	0.083	0.072	0.062
UC IND3	0.058	0.077	0.087	0.097	0.107	0.124
UC	0.128	0.124	0.078	0.041	0.038	0.041
UC IND4	0.058	0.077	0.087	0.097	0.107	0.124
UC	0.128	0.124	0.078	0.041	0.038	0.041
UC MUN1	0.066	0.064	0.071	0.077	0.092	0.100
UC	0.115	0.104	0.092	0.079	0.070	0.068
UC MUN2	0.065	0.063	0.068	0.072	0.085	0.093
UC	0.118	0.114	0.095	0.087	0.071	0.069
UC MUN3	0.065	0.063	0.066	0.069	0.082	0.105
UC	0.111	0.106	0.100	0.089	0.074	0.069
UC MUN4	0.063	0.066	0.074	0.082	0.091	0.099
UC	0.108	0.103	0.094	0.085	0.073	0.063
** UC for Whitney Res Only						
UC WHIT1	0.0579	0.061	0.0704	0.0789	0.0766	0.073
UC	0.134	0.1287	0.095	0.0844	0.0715	0.0644
UC D&L1	0.066	0.064	0.071	0.077	0.092	0.100
UC	0.115	0.104	0.092	0.079	0.070	0.068
UC D&L2	0.065	0.063	0.068	0.072	0.085	0.093
UC	0.118	0.114	0.095	0.087	0.071	0.069
UC D&L3	0.065	0.063	0.066	0.069	0.082	0.105
UC	0.111	0.106	0.100	0.089	0.074	0.069
UC D&L4	0.063	0.066	0.074	0.082	0.091	0.099
UC	0.108	0.103	0.094	0.085	0.073	0.063
UCMAYAUG	0.	0.	0.	0.	31.	30.
UC	31.	31.	0.	0.	0.	0.
UCIFD031	0.	0.	0.	0.	0.	59505.
UC	61489.	61489.	59505.	0.	0.	0.
UCIFD041	0.	0.	0.	0.	0.	0.
UC	31.	31.	30.	0.	0.	0.
UCIFD042	0.	0.	0.	0.	0.	30.
UC	31.	31.	30.	31.	30.	31.
UCIFD051	4919.	4433.	4919.	26777.	27670.	26777.
UC	27270.	27670.	4760.	4919.	4760.	4919.
UCIFD061	61.	56.	61.	119.	123.	119.
UC	123.	123.	119.	61.	60.	61.
UCIFD062	148.	133.	148.	143.	148.	143.
UC	61.	61.	60.	61.	60.	61.
UCIFD063	246.	222.	246.	238.	387.	375.
UC	387.	387.	375.	246.	238.	246.
UCIFD064	861.	778.	861.	833.	861.	833.
UC	861.	861.	833.	861.	833.	861.

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UCIFD065	369.	333.	369.	357.	369.	357.
UC	215.	215.	208.	215.	208.	369.
UCIFD066	307.	278.	307.	298.	307.	298.
UC	307.	307.	298.	307.	298.	307.
UCIFD067	553.	778.	1223.	1369.	1414.	1369.
UC	246.	246.	238.	246.	238.	246.
UCIFD068	861.	778.	861.	1666.	1722.	1666.
UC	1722.	1722.	1666.	861.	833.	861.
UCIFD072	209.	189.	209.	458.	473.	458.
UC	473.	473.	202.	209.	202.	209.
UCIFD073	203.	183.	203.	458.	473.	458.
UC	473.	473.	196.	203.	196.	203.
UCIFD074	184.	167.	184.	417.	430.	417.
UC	430.	430.	179.	184.	179.	184.
UCIFD075	480.	433.	904.	875.	904.	875.
UC	904.	904.	875.	480.	464.	480.
UCIFD081	615.	555.	615.	595.	615.	595.
UC	615.	615.	595.	615.	595.	615.
UCIFD082	738.	666.	738.	2261.	2337.	2261.
UC	738.	738.	714.	738.	714.	738.
UCIFD083	369.	333.	369.	357.	369.	357.
UC	369.	369.	357.	369.	357.	369.
UCIFD084	1107.	1000.	1107.	1071.	1107.	1071.
UC	1107.	1107.	1071.	1107.	1071.	1107.
UCIFD085	4181.	3777.	15987.	15471.	25333.	24516.
UC	15987.	4181.	4046.	4181.	4046.	4181.
UCIFD086	1230.	1111.	1230.	3273.	3382.	3273.
UC	3382.	3382.	1190.	1230.	1190.	1230.
UCIFD087	1906.	1722.	1906.	1845.	1906.	1845.
UC	1906.	1906.	1845.	1906.	1845.	1906.
UCIFD088	9592.	8664.	9592.	26361.	27239.	26361.
UC	27239.	27239.	9283.	9592.	9283.	9592.
UCIFD089	2152.	1944.	2152.	2083.	2152.	2083.
UC	2152.	2152.	2083.	2152.	2083.	2152.
UCIFD08A	307.	278.	307.	476.	492.	476.
UC	492.	492.	298.	307.	298.	307.
UCIFD08B	922.	833.	922.	1190.	1230.	1190.
UC	1230.	1230.	893.	922.	893.	922.
UCIFD08C	37.	56.	61.	60.	61.	60.
UC	37.	37.	36.	37.	36.	37.
UCIFD091	6149.	5554.	6149.	29158.	30129.	29158.
UC	30129.	30129.	5951.	6149.	5951.	6149.
UCIFD092	4919.	4443.	4919.	19042.	19676.	19042.
UC	19676.	19676.	4760.	4919.	4760.	4919.
UCIFD093	7379.	6665.	7379.	36298.	37508.	36298.
UC	37508.	37508.	7141.	7379.	7141.	7379.
UCIFD094	10269.	9275.	10269.	36298.	37508.	36298.
UC	37508.	37508.	9937.	10269.	9937.	10269.
UCIFD095	11006.	9941.	11006.	37488.	38738.	37488.
UC	38738.	38738.	10651.	11006.	10651.	11006.
UCIFD096	6764.	6109.	6764.	27372.	28285.	27372.
UC	28285.	28285.	6546.	6764.	6546.	6764.
UCIFD097	10269.	9275.	10269.	41058.	42427.	41058.
UC	42427.	42427.	9937.	10269.	9937.	10269.
UCIFD098	7379.	6665.	7379.	28562.	29514.	28562.
UC	29514.	29514.	7141.	7379.	7141.	7379.
UCIFD099	7379.	6665.	7379.	37488.	38738.	37488.
UC	38738.	38738.	7141.	7379.	7141.	7379.
UCIFD09A	10269.	9275.	10269.	36893.	38123.	36893.
UC	38123.	38123.	9937.	10269.	9937.	10269.
UCIFD09B	15987.	14440.	15987.	55935.	57799.	55935.
UC	57799.	57799.	55935.	15987.	15471.	15987.
UCIFD09C	16602.	14995.	16602.	66051.	68252.	66051.
UC	68252.	68252.	16066.	16602.	16066.	16602.
UCIFD09D	25825.	23325.	25825.	85687.	88543.	85687.
UC	88543.	88543.	24992.	25825.	24992.	25825.
UCIFD09E	0.	0.	0.	0.	42427.	41058.
UC	42427.	42427.	41058.	0.	0.	0.
UCIFD09F	10269.	9275.	10269.	37488.	38738.	37488.
UC	38738.	38738.	9937.	10269.	9937.	10269.
UCIFD101	4181.	6054.	6702.	6486.	6702.	2202.
UC	553.	553.	536.	553.	2202.	4181.
UCIFD102	4796.	4332.	4796.	4641.	4796.	1250.
UC	1291.	1291.	1250.	1291.	1250.	4796.
UCIFD103	15.	15.	15.	15.	15.	15.
UC	15.	15.	15.	15.	15.	15.
UCIFD104	1168.	1055.	1168.	1666.	1722.	1666.
UC	1722.	1722.	1666.	1168.	1131.	1168.
UCIFD111	25210.	22771.	25210.	75571.	78090.	75571.
UC	78090.	78090.	24397.	25210.	24397.	25210.
UCIFD112	25825.	23326.	25825.	85687.	88543.	85687.
UC	88543.	88543.	24992.	25825.	24992.	25825.
UCIFD113	55340.	49984.	55340.	67241.	69482.	67241.
UC	69482.	69482.	53555.	55340.	53555.	55340.

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UCIFD114	30744.	27769.	30744.	67241.	69482.	67241.
UC	69482.	69482.	29753.	30744.	29753.	30744.
UCIFD115	307.	278.	307.	893.	922.	893.
UC	922.	922.	298.	307.	298.	307.
UCIFD116	30744.	27769.	30744.	67538.	69789.	67538.
UC	69789.	69789.	29753.	30744.	29753.	30744.
UCIFD121	184.	167.	184.	595.	615.	595.
UC	615.	615.	595.	184.	179.	184.
UCIFD122	184.	167.	184.	1428.	1476.	1428.
UC	1476.	1476.	1428.	184.	179.	184.
UCIFD128	184.	167.	184.	1012.	1045.	1012.
UC	1045.	1045.	1012.	184.	179.	184.
UCIFD123	123.	111.	123.	536.	553.	536.
UC	553.	553.	536.	123.	119.	123.
UCIFD124	92.	83.	92.	536.	553.	536.
UC	553.	553.	536.	92.	89.	92.
UCIFD125	123.	111.	123.	476.	492.	476.
UC	492.	492.	476.	123.	119.	123.
UCIFD126	154.	139.	154.	714.	738.	714.
UC	738.	738.	714.	154.	149.	154.
UCIFD127	0.	0.	0.	262.	271.	262.
UC	271.	271.	262.	0.	0.	0.
UC UNIFO	31.	28.	31.	30.	31.	30.
UC	31.	31.	30.	31.	30.	31.

**
** RF RECORDS

RFR36931	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR41791	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFRABIL1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR42131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR42132	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR42021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR42111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR34441	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR34501	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR34581	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR43551	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR40311	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51561	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
** Return flow factor for Paluxy Reservoir which is not modeled.						
**RFR42371	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
**RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR41061	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR43601	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51581	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR50941	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR34701	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51591	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFRBLSH1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51621	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51631	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR37611	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51641	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR52871	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR52891	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR52911	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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CPID	D/S	CPDT(1)	CPDT(2)	INMETHOD	CPIN	EWA	CL	INWS
RFR53661	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51711	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
** CP RECORDS								
**	2	3	4	5	6	7	8	9 10 11
**CPID	D/S	CPDT(1)	CPDT(2)	INMETHOD	CPIN	EWA	CL	INWS
** Smiling Mallard Development, 5788, 4/29/07, added into WAM on 8/27/07, sj								
CP578831	CON146			6	375931		0.0000	
** TXU Kosse Lignite, 5931, 9/29/06, io								
CP593101	CON134			6	406331		0.0000	
CP593102	CON134			6	406331		0.0000	
CP593103	CON134			6	406331		0.0000	
CP593104	CON134			6	406331		0.0000	
CP593105	CON134			6	406331		0.0000	
** App 5858 TMPA 10/21/04 SD								
CP585830	513233			6	375931		0.0	
CP585831	531201			6	375931		0.0	
CP585832	024603			6	375931		0.0000	
CP585835	505331			6	375931		0.0000	
CP585836	505336			6	375931		0.0000	
CP585838	CON144			6	375931		0.0000	
CP585839	557011			6	375931		0.0000	
CP58583A	024604			6	375931		0.0000	
**Revision 12/29/2005								
**Dummy1 added to model TMPA water rights.								
CPDUMMY1	OUT			2	NONE	NONE	-3.	0.0000
** App. 5866, Harris County FCD, 9/29/2005 mt								
CP586631	523001			6	401041		0.0000	
** NNP Teravista, app. 5667B, 11/13/03, io								
CP566732	416621			6	299231		0.0000	
CP566731	416621			6	299231		0.0000	
CP566734	416621			6	299231		0.0000	
** Alcoa 12191 SD								
CP121911	MYDB60			6	299231		0.0	
CP121901	MYDB60			6	299231		0.0000	
CP121902	MYDB60			6	299231		0.0000	
** Alcoa Inc., App. 12-5816, 8/24/05, io								
CP581601	121901			6	375931		0.0000	
** John & Ida Taylor Amendment 12-2996a, 10/16/2003, jd								
** Additional diversion point for 2996 is between 299011 and CON094								
**CP299011	CON094			6	NONE		0.0010	
CP299011	299602			6	NONE		0.0007	
** John & Ida Taylor, 12-2996a - jd								
CP299602	CON094			6	NONE		0.0003	
** Ed Johnson, app. 5791, io								
CP579131	579101			6	375931		0.0000	
CP579132	579101			6	375931		0.0000	
CP579101	CON125			6	375931		0.0000	
** CPALLEN1 OUT 2 NONE NONE -3. 0.0000								
** Clark Gardens Application 5795 Diversion surface 23								
CP A5759	CON045			6	220131		0.0000	
** new cp for TXU Mining, application 5770								
CP577001	02881B			6	406331		0.0000	
** Application 5767, Herman Stroud. Divert 70 ac-ft into off-channel reservoir complex. Subsequent diversion from reservoirs for irrigation.								
CP576701	BRDE29			6	NONE		0.0000	
** Two off-channel reservoirs were modeled as one complex.								
CP576741	OUT			2	NONE	227031	-3.	0.0000
** West Central Texas Municipal Water District, Application 12-4213C								
** This amendment authorized 5000 acre-feet of water from water right 4213								
** that will be piped to Fort Phantom Hill reservoir (12-4161)								
** Computational cp for WCTMWD, Application 4213C								
CPWCTMWD	OUT			2	NONE	NONE	-3.	
**** TMPA (Tx Municipal Power) App 5741, 5738								
CP574132	573831			6	375931		0.0000	
CP573831	513232			6	375931		0.0000	
CP574131	CON144			6	375931		0.0000	
** FAKE CP FOR SOMERVELL COUNTY WATER DISTRICT, application 5744								
CP SCWD	OUT			2	NONE	NONE	-3.	
** Application 5665, Paul Weinman. App to divert 2448 into off-channel reservoir complex for wetlands (duck habitat).								

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CP566501	CON151	6	401041	0.0015
**401041 was used to calculate evap since it was the closest reservoir with approximately the same size.				
CP566541	OUT	2	NONE 401041	-3. 0.0000
CP566502	566501	6	NONE	0.0003
**				
** FAKE CP FOR LAKEVIEW GOLF CLUB DIVERSION, Application 12-4318B				
CPLGCALT	OUT	2	NONE NONE	-3.
** CP Records added/changed for C4114, THOMAS BROTHERS GRASS, LTD				
CP405401	411402	6	NONE	0.0001
CP411402	406202	6	NONE	0.0000
CP406202	411403	6	NONE	0.0006
CP411403	406203	6	NONE	0.0000
CP406203	CON191	6	NONE	0.0003
CPCON049	411404	6	NONE	0.0000
CP411404	406204	6	NONE	0.0000
CP406204	CON192	6	NONE	0.0000
** CP Records added/changed for C4052, TXI OPERATIONS				
CPCON048	405202	6	NONE	0.0000
CP405202	405201	6	NONE	0.0000
** CP Records changed by adding P5686, COASTAL BEND PROPERTY DEVELOPMENT				
CP101342	568601	2	NONE	-3. 0.0000
CP568601	115711	6	NONE	0.0000
CP568661	568641	2	NONE NONE	-3. 0.0000
CP568641	OUT	2	NONE 401041	-3. 0.0000
** CP Records added/changed for C5357, CHOCOLATE BAYOU WATER COMPANY				
CPCBALC2	CON251	1	NONE	-3. 0.0000
CPCON251	000011	6	NONE	0.0000
CP535701	CON251	6	NONE	0.0000
** CP Records added/changed by adding P5729, MICHAEL & FAYE HORTON.				
CP290401	572901	6	NONE	0.0002
CP572901	CON089	6	NONE	0.0028
CP572961	572941	2	NONE NONE	-3. 0.0000
CP572941	OUT	2	NONE 228731	-3. 0.0000
** CP Records added/changed for P5567, SAND SUPPLY INC.				
CPCON154	556712	6	NONE	0.0001
CP556712	555201	6	NONE	0.0019
CPCON235	556722	6	NONE	0.0015
CP556722	CON154	6	NONE	0.0005
CP511051	556722	2	NONE NONE	-3. 0.0000
** CP Records added/changed by adding P5714, CITY OF PEARLAND.				
CP123321	571451	2	NONE NONE	-3. 0.0000
CP571451	571401	2	NONE NONE	-3. 0.0000
CP571401	571402	6	NONE	0.0000
CP571402	115711	6	NONE	0.0000
** CP Records added/changed for C4169, RICHARD SCHKADE.				
CP416901	416902	6	NONE	0.0000
CP416902	417001	6	NONE	0.0000
** CP Records added/changed for C3775, LLOYD E LEIFESTE ET UX.				
CP377502	377521	6	NONE	0.0004
CP377521	377501	6	NONE	0.0006
CP377501	377511	6	NONE	0.0004
CP377511	CON111	6	NONE	0.0096
** CP Records added/changed for P5692, Walter Exploration Inc.				
** Double Mountain Fork near Aspermont				
**CPDMAS09	569204	1	NONE	-3. 0.0020
CPDMAS09	DMSUBS	1	NONE	-3.
CPDMSUBS	DM-DRY	2	DMAS09	NONE -3.
CPDM-DRY	DM-AVG	2	DMAS09	NONE -3.
CPDM-AVG	DM-WET	2	DMAS09	NONE -3.
CPDM-WET	DMDPUL	2	DMAS09	NONE -3.
CPDMDPUL	DMAFUL	2	DMAS09	NONE -3.
CPDMAFUL	DMWPUL	2	DMAS09	NONE -3.
CPDMWPUL	569204	2	DMAS09	NONE -3. 0.0020
**				
CP569204	569203	6	NONE	0.0002
CP569203	569202	6	NONE	0.0002
CP569202	569201	6	NONE	0.0002
CP569201	528201	6	NONE	0.0355
** CP Records added/changed for C2276, Louis A Beecher1, Jr.				
CP227302	227603	6	227031	0.0000
CP227603	227633	6	NONE	0.0000
CP227633	227622	6	227031	0.0000
CP227622	227604	6	NONE	0.0000
CP227602	227632	6	NONE	0.0000
CP227632	227621	6	227031	0.0000
CP227621	227611	6	NONE	0.0000
CP227611	227604	6	NONE	0.0000
CP227604	227634	6	NONE	0.0000
CP227612	227634	6	NONE	0.0000
CP227634	22760B	6	227031	0.0000
CP22760B	22763B	6	NONE	0.0000
CP22763B	227626	6	227031	0.0000
CP227626	227616	6	NONE	0.0000
CP227613	227616	6	227031	0.0000

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CP22760A	22763A	6	NONE	0.0000
CP22763A	227625	6	227031	0.0000
CP227625	227615	6	NONE	0.0000
CP227615	227616	6	NONE	0.0000
CP227616	227601	6	227031	0.0000
CP227601	227631	6	NONE	0.0000
CP227631	227701	6	227031	0.0000
CP227605	227635	6	NONE	0.0000
CP227606	227636	6	NONE	0.0000
CP227607	227637	6	NONE	0.0000
CP227608	227638	6	NONE	0.0000
CP227609	227639	6	NONE	0.0000
CP227614	227613	6	NONE	0.0000
CP227623	227608	6	NONE	0.0000
CP227624	227614	6	NONE	0.0000
CP227635	227608	6	227031	0.0000
CP227636	227623	6	227031	0.0000
CP227637	227608	6	227031	0.0000
CP227638	227614	6	227031	0.0000
CP227639	227624	6	227031	0.0000
** CP Records added/changed for C4179, City of Stamford.				
CPCON027	417906	6	NONE	0.0015
CP417906	417933	6	NONE	0.0000
CP417933	CON028	6	413331	0.0326
**				
CP366401	366431	6	NONE	0.0000
CP366431	366501	6	366631	0.0000
CP366501	366531	6	NONE	0.0000
CP366531	366601	6	366631	0.0000
CP366601	366631	6	NONE	0.0000
CP366631	366701	6		0.0000
CP366701	366731	6	NONE	0.0000
CP366731	366801	6	366631	0.0000
CP366801	366831	6	NONE	0.0000
CP366831	366904	6	366631	0.0000
CP366901	366931	6	NONE	0.0000
CP366931	366904	6	366631	0.0000
CP366902	366932	6	NONE	0.0000
CP366932	366904	6	NONE	0.0000
CP366903	366933	6	NONE	0.0000
CP366933	366904	6	NONE	0.0000
CP366904	366934	6	NONE	0.0000
CP366934	367002	6	NONE	0.0000
CP367002	367031	6	NONE	0.0000
CP367031	367001	6	NONE	0.0000
CP367001	367032	6	NONE	0.0000
CP367032	367101	6	366631	0.0000
CP367101	367131	6	NONE	0.0000
CP367131	367201	6	366631	0.0000
CP367201	367202	6	NONE	0.0000
CP367202	367231	6	NONE	0.0000
CP367231	367301	6	366631	0.0000
CP367301	367302	6	NONE	0.0000
CP367302	367303	6	NONE	0.0000
CP367303	367304	6	NONE	0.0000
CP367304	367331	6	NONE	0.0000
CP367331	367401	6	366631	0.0000
CP367401	367431	6	NONE	0.0000
CP367431	P40641	6	366631	0.0000
CP40641	406431	6	NONE	0.0000
CP406431	367501	6	366631	0.0000
CP367501	367531	6	NONE	0.0000
CP367531	368101	6	366631	0.0000
CP368101	368131	6	NONE	0.0000
CP406451	367501	2	NONE NONE	-3. 0.0000
CP368131	381301	6		0.0000
CP367601	367631	6	NONE	0.0000
CP367631	367701	6	366631	0.0000
CP367701	367731	6	NONE	0.0000
CP367731	367801	6	366631	0.0000
CP367801	367831	6	NONE	0.0000
CP367831	367901	6	366631	0.0000
CP367901	367931	6	NONE	0.0000
CP367931	368001	6	366631	0.0000
CP368001	368031	6	NONE	0.0000
CP368031	368101	6	366631	0.0000
CP381301	368201	6	NONE	0.0000
CP368201	368231	6	NONE	0.0000
CP368231	368301	6	368131	0.0000
CP368301	368331	6	NONE	0.0000
CP368331	RWPL01	6	368131	0.0000
CP368401	368431	6	NONE	0.0000
CP368431	368501	6	368131	0.0000
CP368501	368531	6	NONE	0.0000

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CP368531	RWPL01	6	368131	0.0000
CPRWPL01	368601	1	NONE	-3. 0.0650
CP368601	368703	6	NONE	0.0650
CP368703	368702	6	NONE	0.0000
CP368702	368701	6	NONE	0.0000
CP368701	391501	6	NONE	0.0000
CP391501	368801	6	NONE	0.0330
CP368801	P40351	6	NONE	0.0650
CPP40351	540501	6	NONE	0.0330
CP105371	368601	2	NONE	NONE -3. 0.0000
CP403551	540501	2	NONE	NONE -3. 0.0000
CP540501	CON248	6	NONE	0.5060
CPCON248	CON001	6	NONE	0.6050
CPCON001	369201	6	NONE	0.3500
CP369201	369231	6	NONE	0.0000
CP368941	OUT	2	NONE	NONE -3. 0.0000
CP368901	368931	6	NONE	0.0000
CP368931	369001	6		0.0000
CP369001	CON001	6	NONE	0.0000
CP369101	369131	6	NONE	0.0000
CP369131	CON001	6	368931	0.0000
CP369151	CON001	2	NONE	NONE -3. 0.0000
CP369231	W12402	6	368931	0.4310
CPW12402	W12401	6	NONE	0.0950
CPW12401	W12392	6	NONE	0.0000
CP369301	369331	6	NONE	0.0000
CP369331	WRSP02	6		0.0000
CPW12392	369301	6	NONE	0.0000
CP369351	W12392	2	NONE	NONE -3. 0.0000
CPWRSP02	CON004	1	NONE	-3. 0.1300
CP369501	369531	6	NONE	0.0000
CP369531	CON004	6	368931	0.0000
CPW12381	CON004	6	NONE	0.0000
CP369401	369431	6	NONE	0.0000
CP369431	CON004	6	368931	0.0000
CPCON004	W12391	6	NONE	0.0000
CP369601	369631	6	NONE	0.0000
CP369631	DUGI03	6	341131	0.0000
CP369651	DUGI03	2	NONE	NONE -3. 0.0000
CP369731	DUGI03	6	341131	0.0000
CP369801	369831	6	NONE	0.0000
CP369831	DUGI03	6	341131	0.0000
CP369901	369902	6	NONE	0.0000
CP369902	369931	6	NONE	0.0000
CP369931	DUGI03	6	341131	0.0000
CP370001	370031	6	NONE	0.0000
CP370031	DUGI03	6	341131	0.0000
CPDUGI03	CON002	1	NONE	-3. 0.0630
CPCON002	CON003	6	NONE	0.0210
CP370131	CON003	6	341131	0.0000
CPW12391	CON002	6	NONE	0.1690
CPCON003	SFPE04	6	NONE	0.1260
CPSFPE04	CON005	1	NONE	-3. 0.0460
CPCON005	CON006	6	NONE	0.0210
CPCON006	SFAS06	6	NONE	0.0920
** Salt Fork Brazos River near Aspermont				
**CPSFAS06	W12382	1	NONE	-3. 0.1500
CPSFAS06	SFSUBS	1	NONE	-3.
CPSFAS06	SF-DRY	2	SFAS06	NONE -3.
CPSF-DRY	SF-AVG	2	SFAS06	NONE -3.
CPSF-AVG	SF-WET	2	SFAS06	NONE -3.
CPSF-WET	SFDPUL	2	SFAS06	NONE -3.
CPSFDPUL	SFAPUL	2	SFAS06	NONE -3.
CPSFAPUL	SFWPUL	2	SFAS06	NONE -3.
CPSFWPUL	W12382	2	SFAS06	NONE -3. 0.1500
**				
CPCRJA05	CON005	1	NONE	-3. 0.0070
CP370231	CON006	6	341131	0.0000
CPW12382	CON245	6	NONE	0.0050
CP370301	370331	6	NONE	0.0000
CP370331	370401	6	366631	0.0000
CP370401	370421	6	NONE	0.0000
CP370421	370431	6	NONE	0.0000
CP370431	370411	6		0.0000
CP370411	370535	6	NONE	0.0000
CP370501	370531	6	NONE	0.0000
CP370531	370502	6	NONE	0.0000
CP370502	370532	6	NONE	0.0000
CP370532	370533	6	NONE	0.0000
CP370533	370534	6	NONE	0.0000
CP370534	370535	6	NONE	0.0000
CP370535	370503	6	NONE	0.0000
CP370503	370536	6	NONE	0.0000
CP370536	398501	6	368931	0.0000

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CP398551	398501	2	NONE	NONE	-3.	0.0000
CP398501	BLSLU07	6		NONE		0.0000
CPBLSLU07	370631	1		NONE	-3.	0.0000
CP370631	370701	6				0.0110
CP370701	370702	6		NONE		0.0000
CP370702	370731	6		NONE		0.0000
CP370732	370701	6		NONE		0.0000
CP370751	370731	2	NONE	NONE	-3.	0.0000
CP370731	CON007	6		368931		0.0800
CP370801	370831	6		NONE		0.0000
CP370831	CON007	6		368931		0.0000
CPCON007	370901	6		NONE		0.0110
CP370901	370931	6		NONE		0.0000
CP370931	371001	6		NONE		0.0000
CP370962	370942	2	NONE	NONE	-3.	0.0000
CP370961	370941	2	NONE	NONE	-3.	0.0000
CP370941	OUT	2	NONE	368931	-3.	0.0000
CP370942	OUT	2	NONE	NONE	-3.	0.0000
CP371061	371041	2	NONE	NONE	-3.	0.0000
CP371041	OUT	2	NONE	368931	-3.	0.0000
CP371001	371101	6		NONE		0.1390
CP371101	371131	6		NONE		0.0000
CP371131	CON244	6				0.1810
CP371301	371331	6		NONE		0.0000
CP371331	P53591	6		368931		0.0000
CPP53591	CON159	6		NONE		0.0000
CPCON159	DMJU08	6		NONE		0.0000
CP535951	CON159	2	NONE	NONE	-3.	0.0000
CP371401	371431	6		NONE		0.0000
CP371431	CON159	6				0.0000
CPDMJU08	CON160	1		NONE	-3.	0.0100
CP371501	371531	6		NONE		0.0000
CP371531	CON160	6		368931		0.0000
CPCON160	CON008	6		NONE		0.0700
CPCON008	P41461	6		NONE		0.0000
CP4146P1	WL2411	6				0.0360
CP371601	CON008	6		NONE		0.0000
CP371602	371631	6		NONE		0.0000
CP371631	371601	6		371431		0.0000
CPP41461	4146P1	6		NONE		0.0000
CPW12411	CON244	6		NONE		0.0000
CPCON244	371701	6		NONE		0.1700
CP371701	371801	6		NONE		0.0310
CP371801	371802	6		NONE		0.0310
CP371802	371803	6		NONE		0.0050
CP371803	371901	6		NONE		0.0310
CP371901	CON009	6		NONE		0.0500
CPCON009	372201	6		NONE		0.1610
CP372201	372202	6		NONE		0.0000
CP372202	372203	6		NONE		0.0100
CP372203	DMAS09	6		NONE		0.0260
CP528201	372401	6		NONE		0.0950
CP372401	372431	6		NONE		0.0000
CP372431	WL2412	6		NONE		0.0060
CPW12412	CON010	6		NONE		0.0170
CPCON010	CON245	6		NONE		0.0490
CP372001	372031	6		NONE		0.0000
CP372031	372101	6				0.0000
CP372101	372131	6		NONE		0.0000
CP372131	CON009	6		372031		0.0000
CPP51621	5162P1	6		NONE		0.0000
CP5162P1	CON010	6		341131		0.0000
CPNCKN10	CON011	1		NONE	-3.	0.0570
CPCON245	WL2081	6		NONE		0.0280
CPW12081	CON011	6		NONE		0.0280
CPCON011	524201	6		NONE		0.0000
CP524201	CON012	6		NONE		0.0240
CP341101	341131	6		NONE		0.0000
CPCON012	CON013	6		NONE		0.0590
CP341131	CON012	6				0.0000
CP341231	CON013	6		341131		0.0000
CPCON013	CON014	6		NONE		0.0420
CPCON014	543501	6		NONE		0.0060
CP341301	341302	6		NONE		0.0000
CP341302	341331	6		NONE		0.0000
CP341331	CON014	6				0.0000
CP543501	CON015	6		NONE		0.0300
CP341431	341401	6		341331		0.0000
CP341401	344004	6		NONE		0.0000
CP344004	344031	6		NONE		0.0000
CP344003	344002	6		NONE		0.0000
CP344031	344003	6				0.0000
CP344002	344001	6		NONE		0.0000
CP344032	344002	6		341331		0.0000

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CP344001	CON015	6		341331	0.0000
CP344005	344032	6		NONE	0.0000
CPCON015	CON016	6		NONE	0.1670
CP344131	CON016	6		341331	0.0000
CPCON016	BRSE11	6		NONE	0.0590
** Brazos River near Seymour					
**CPBRSE11	CON017	1		NONE	-3. 0.0740
CPBRSE11	SMSUBS	1		NONE	-3.
CPSMSUBS	SM-DRY	2	BRSE11	NONE	-3.
CPSM-DRY	SM-AVG	2	BRSE11	NONE	-3.
CPSM-AVG	SM-WET	2	BRSE11	NONE	-3.
CPSM-WET	SMDPUL	2	BRSE11	NONE	-3.
CPSMDPUL	SMAPUL	2	BRSE11	NONE	-3.
CPSMAPUL	SMWPUL	2	BRSE11	NONE	-3.
CPSMWPUL	CON017	2	BRSE11	NONE	-3. 0.0740
**					
CP344201	344231	6		NONE	0.0000
CPMSMN12	344301	1		NONE	-3. 0.0630
CP344301	344302	6		NONE	0.0000
CP344302	344401	6		NONE	0.0130
CP344401	344431	6		NONE	0.0000
CP344501	CON017	6		NONE	0.0320
CP344431	344501	6			0.0390
CPCON017	CON018	6		NONE	0.2230
CP344231	CON017	6		341331	0.0000
CP344651	344601	2	NONE	NONE	-3. 0.0000
CP344601	344631	6		NONE	0.0000
CP344703	344702	6		NONE	0.0000
CP344631	344703	6		341331	0.0000
CP344702	344701	6		NONE	0.0000
CP344701	344802	6		NONE	0.0000
CP344804	344803	6		NONE	0.0000
CP344803	344802	6		NONE	0.0000
CP344802	344801	6		NONE	0.0000
CP344801	CON018	6			0.0000
CPCON018	CON019	6		NONE	0.0390
CP344931	345103	6		341331	0.0000
CP345001	345031	6		NONE	0.0000
CP345103	345102	6		NONE	0.0000
CP345031	345103	6		341331	0.0000
CP345102	345101	6		NONE	0.0000
CP345141	OUT	2	NONE	344801	-3. 0.0000
CP345101	CON019	6		NONE	0.0000
CPCON019	CON020	6		NONE	0.0390
CP345231	345201	6		NONE	0.0000
CP345201	345232	6		NONE	0.0000
CPCON020	CON036	6		NONE	0.1190
CP345232	CON020	6		344801	0.0000
CP417905	417932	6		NONE	0.0000
CP417601	417631	6		NONE	0.0000
CP417932	417601	6		413331	0.0000
CP417951	417601	2	NONE	NONE	-3. 0.0000
CP417701	417803	6		NONE	0.0000
CP417631	417701	6		413331	0.0000
CP417803	417802	6		NONE	0.0000
CP417802	417801	6		NONE	0.0000
CP417801	W12352	6		NONE	0.0000
CP417702	417731	6		NONE	0.0000
CP417805	417832	6		NONE	0.0000
CP417731	417701	6		413331	0.0000
CP417804	417831	6		NONE	0.0000
CP417832	417804	6		NONE	0.0000
CPW12351	W12352	6		NONE	0.0000
CPW12352	417901	6		NONE	0.0000
CP009631	417901	2	NONE	NONE	-3. 0.0000
CP417901	417902	6		NONE	0.0000
CP417902	417903	6		NONE	0.0000
CP417903	417904	6		NONE	0.0000
CP417904	417931	6		NONE	0.0000
CP417831	W12352	6		341331	0.0000
CP418001	418031	6		NONE	0.0000
CPCON161	CON162	6		NONE	0.0000
CP418031	CON161	6		372031	0.0000
CP418101	418131	6		NONE	0.0000
CPCON162	CON163	6		NONE	0.0000
CP418131	CON162	6		413331	0.0000
CP418231	418301	6		413331	0.0000
CP418301	418331	6		NONE	0.0000
CPCON163	CAST17	6		NONE	0.0000
CP418331	CON163	6		413331	0.0000
CPCAST17	CON027	1		NONE	-3. 0.1120
CP417931	CON027	6			0.0000
CP418401	418431	6		NONE	0.0000
CP418402	418432	6		NONE	0.0000

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CP418431	418402	6	NONE	0.0000
CPCON028	CON029	6	NONE	0.0840
CP418432	CON028	6	341331	0.0000
CPW12321	420601	6	NONE	0.0000
CP420601	420631	6	NONE	0.0000
CPCFRO13	CON021	1	NONE	-3. 0.0180
CP420631	CFRO13	6	372031	0.0000
CP411501	411531	6	NONE	0.0000
CP411601	411701	6	NONE	0.0000
CP411531	411601	6	372031	0.0000
CP411701	411801	6	NONE	0.0000
CP411801	411901	6	NONE	0.0000
CP411901	411931	6	NONE	0.0000
CPCON021	412001	6	NONE	0.0300
CP411931	CON021	6	372031	0.0000
CP412001	412031	6	NONE	0.0000
CP412101	412131	6	NONE	0.0000
CP412031	412101	6	372031	0.0060
CP412201	412231	6	NONE	0.0000
CP412131	412201	6	372031	0.0120
CP412301	412331	6	NONE	0.0000
CP412231	412301	6	372031	0.0410
CP412402	412401	6	NONE	0.0000
CP412331	412402	6	372031	0.0410
CP412401	412501	6	NONE	0.0060
CP412501	412531	6	NONE	0.0000
CP412602	412632	6	NONE	0.0000
CP412531	412602	6	372031	0.0000
CP412601	412631	6	NONE	0.0000
CP412632	412601	6	NONE	0.0120
CP412701	CON022	6	NONE	0.0060
CP412631	412701	6	372031	0.0410
CP412901	412931	6	NONE	0.0000
CP103732	CON022	2	NONE	-3. 0.0000
CP412801	412831	6	NONE	0.0000
CPW12371	W12372	6	NONE	0.0000
CPW12372	413001	6	NONE	0.0000
CP413001	413031	6	NONE	0.0000
CPCON022	413202	6	NONE	0.1250
CP412831	CON022	6	372031	0.0000
CP412931	CON022	6	372031	0.0000
CP413031	CON022	6	NONE	0.0000
CP413202	413201	6	NONE	0.0060
CP413201	CFHA14	6	NONE	0.0530
CPCFHA14	413302	1	NONE	-3. 0.0060
CP413302	413301	6	NONE	0.0000
CP413301	413331	6	NONE	0.0000
CP413401	413431	6	NONE	0.0000
CPCON164	CON165	6	NONE	0.0000
CP413431	CON164	6	372031	0.0000
CPCON165	MUHA15	6	NONE	0.0000
CP413531	CON165	6	372031	0.0000
CPMUHA15	CON024	1	NONE	-3. 0.0350
CP413501	413531	6	NONE	0.0000
CP413601	413631	6	NONE	0.0000
CPCON024	413701	6	NONE	0.0070
CP413331	CON024	6	NONE	0.0480
CP413631	CON024	6	413331	0.0000
CP413701	413801	6	NONE	0.0200
CP413801	413901	6	NONE	0.0000
CP413901	413931	6	NONE	0.0000
CP414001	CON025	6	NONE	0.0130
CP413931	414001	6	413331	0.0200
CP414201	414231	6	NONE	0.0000
CP414401	414431	6	NONE	0.0000
CP414431	414604	6	413331	0.0000
CP414501	414531	6	NONE	0.0000
CP414301	414331	6	NONE	0.0000
CP414231	414301	6	NONE	0.0000
CP414604	414634	6	NONE	0.0000
CP414331	414604	6	413331	0.0000
CP414531	414604	6	413331	0.0000
CP414603	414633	6	NONE	0.0000
CP414634	414603	6	NONE	0.0000
CP414602	414632	6	NONE	0.0000
CP414633	414602	6	NONE	0.0000
CP414601	414631	6	NONE	0.0000
CP414632	414601	6	NONE	0.0000
CP414701	414702	6	NONE	0.0000
CP414631	414701	6	413331	0.0000
CP414702	414703	6	NONE	0.0000
CP414703	414801	6	NONE	0.0000
CP414801	414901	6	NONE	0.0000
CP414901	W12361	6	NONE	0.0000

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CPP37211	3721P1	6	NONE	0.0000
CP3721P1	415401	6	NONE	0.0000
CP415001	415031	6	NONE	0.0000
CP415031	415401	6		0.0000
CP415201	415202	6	NONE	0.0000
CP415202	415231	6	NONE	0.0000
CP415551	415301	2	NONE	-3. 0.0000
CP415301	415331	6	NONE	0.0000
CP415331	415401	6	413331	0.0000
CP415351	415401	2	NONE	-3. 0.0000
CP415401	415302	6	NONE	0.0000
CP415302	415431	6	NONE	0.0000
CP415231	415301	6	413331	0.0000
CP415251	415301	2	NONE	-3. 0.0000
CP415431	415501	6	413331	0.0000
CP415501	415601	6	NONE	0.0000
CP415601	415602	6	NONE	0.0000
CP415602	415701	6	NONE	0.0000
CP415701	W12361	6	NONE	0.0000
CP415802	W12361	6	NONE	0.0000
CP416041	OUT	2	NONE	-3. 0.0000
CP416031	W12361	6	413331	0.0000
CP415801	415831	6	NONE	0.0000
CP415931	415901	6	413331	0.0000
CP415901	W12361	6	NONE	0.0000
CPW12361	W12362	6	NONE	0.0000
CP415831	W12361	6	413331	0.0000
CP014221	W12362	2	NONE	-3. 0.0000
CPW12362	416502	6	NONE	0.0000
CP416502	415101	6	NONE	0.0000
CP415101	415131	6	NONE	0.0000
CP416101	416131	6	NONE	0.0000
CP415131	416101	6	NONE	0.0000
CP416131	414101	6		0.0000
CP416551	414101	2	NONE	-3. 0.0000
CP414101	414102	6	NONE	0.0000
CP414102	414103	6	NONE	0.0000
CP414103	CON025	6	NONE	0.0000
CPCON025	416201	6	NONE	0.0070
CP416201	416202	6	NONE	0.0070
CP416202	416301	6	NONE	0.0000
CP416301	CFNU16	6	NONE	0.0000
** CLEAR FORK AT NUGENT				
**CPCFNU16	CON026	1	NONE	-3. 0.0300
CPCFNU16	NUSUBS	1	NONE	-3.
CPNUSUBS	NU-DRY	2	CFNU16	-3.
CPNU-DRY	NU-AVG	2	CFNU16	-3.
CPNU-AVG	NU-WET	2	CFNU16	-3.
CPNU-WET	NUDPUL	2	CFNU16	-3.
CPNUDPUL	NUAPUL	2	CFNU16	-3.
CPNUAPUL	NUWPUL	2	CFNU16	-3.
CPNUWPUL	CON026	2	CFNU16	-3. 0.0300
**				
CP426662	426642	2	NONE	-3. 0.0000
CP426642	OUT	2	NONE	-3. 0.0000
CP426661	426641	2	NONE	-3. 0.0000
CP426641	OUT	2	NONE	-3. 0.0000
CP416401	416501	6	NONE	0.0000
CP416501	416531	6	NONE	0.0000
CP416601	416701	6	NONE	0.0000
CP416531	416601	6	NONE	0.0000
CP103341	426602	2	NONE	-3. 0.0000
CP426602	426601	6	NONE	0.0000
CP416701	416731	6	NONE	0.0000
CP426601	426603	6	NONE	0.0000
CP416731	426602	6	413331	0.0000
CP416741	OUT	2	NONE	-3. 0.0000
CP426603	476701	6	NONE	0.0000
CP476701	416901	6	NONE	0.0000
CP417001	417002	6	NONE	0.0000
CP417002	417003	6	NONE	0.0000
CP417003	CON026	6	NONE	0.0000
CPCON026	417121	6	NONE	0.0060
CP417051	CON026	2	NONE	-3. 0.0000
CP417121	417111	6	NONE	0.0060
CP417111	417201	6	NONE	0.0060
CP417201	417202	6	NONE	0.0060
CP417202	417301	6	NONE	0.0060
CP417301	417431	6	NONE	0.0120
** CLEAR FORK AT LUEDERS				
**CP417431	417502	6	413331	0.0640
CP417431	LUSUBS	6	413331	0.0000
CP417431	LU-DRY	6	NONE	-3. 0.0000
CP417431	LU-AVG	6	NONE	-3. 0.0000

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CPLU-AVG	LU-WET	6	NONE	-3.	0.0000	
CPLU-WET	LUUDPUL	6	NONE	-3.	0.0000	
CPLUDPUL	LUAPUL	6	NONE	-3.	0.0000	
CPLUAPUL	LUWPUL	6	NONE	-3.	0.0000	
CPLUWPUL	417502	6	NONE	-3.	0.0640	
**						
CP417502	417531	6	NONE		0.0000	
CP417501	CON029	6	NONE		0.2370	
CP417531	417501	6	413331		0.0060	
CPCON029	418501	6	NONE		0.1340	
CP418501	418502	6	NONE		0.0000	
CP418502	CFFG18	6	NONE		0.0110	
CP418541	OUT	2	NONE	413331	-3.	0.0000
CPCFFG18	418601	1	NONE		-3.	0.0060
CP418602	418631	6	NONE			0.0000
CP418601	418701	6	NONE			0.1190
CP418631	418601	6	413331			0.0000
CP418701	418801	6	NONE			0.0300
CP418801	418921	6	NONE			0.0060
CP418921	419001	6	NONE			0.0060
CP419001	418911	6	NONE			0.0000
CP418911	419101	6	NONE			0.0000
CP419101	419201	6	NONE			0.0180
CP419103	419102	6	NONE			0.0000
CP419102	419201	6	NONE			0.0000
CP419201	419331	6	NONE			0.0000
CP419331	419104	6	220131			0.0060
CP419104	CON030	6	NONE			0.0350
CP419401	419431	6	NONE			0.0000
CPCON030	419501	6	NONE			0.0000
CP419431	CON030	6	341331			0.0000
**CP419501	419601	6	NONE			0.0180
CP419501	419105	6	NONE			0.0130
CP419105	419601	6	NONE			0.0050
**						
CP419601	419701	6	NONE			0.0120
CP419701	419831	6	NONE			0.0000
CP419831	419902	6	220131			0.0060
CP419902	419901	6	NONE			0.0060
CP419901	CON035	6	NONE			0.0000
CP420801	420831	6	NONE			0.0000
CP420131	420401	6	413331			0.0000
CP420201	420231	6	NONE			0.0000
CP420301	420331	6	NONE			0.0000
CP420231	420301	6	413331			0.0000
CP420332	420401	6	413331			0.0000
CP420331	420401	6	NONE			0.0000
CP420401	420501	6	NONE			0.0000
CP420501	420502	6	NONE			0.0000
CP420502	420503	6	NONE			0.0000
CP420503	420702	6	NONE			0.0000
CP420001	420702	6	413331			0.0000
CP420702	420732	6	NONE			0.0000
CP420701	420731	6	NONE			0.0000
CPCON166	CON167	6	NONE			0.0000
CP420731	CON166	6	NONE			0.0000
CP420732	CON166	6	413331			0.0000
CPCON167	HCAL19	6	NONE			0.0000
CP420831	CON167	6	413331			0.0000
CPHCAL19	CON031	1	NONE		-3.	0.0360
CP420901	420931	6	NONE			0.0000
CPCON031	CON032	6	NONE			0.0450
CP420931	CON031	6	413331			0.0000
CP421001	421031	6	NONE			0.0000
CPCON032	CON239	6	NONE			0.0450
CP421031	CON032	6	413331			0.0000
CPW12332	CON239	6	NONE			0.0000
CP421201	421231	6	NONE			0.0000
CPW12341	421102	6	NONE			0.0000
CP421101	421131	6	NONE			0.0000
CP421102	421101	6	NONE			0.0000
CPW12342	421102	6	NONE			0.0000
CP421131	BSBR20	6				0.0000
CPBSBR20	CON239	1	NONE		-3.	0.0810
CP421231	BSBR20	6	413331			0.0000
CPW12331	CON239	6	NONE			0.0000
CPCON239	421301	6	NONE			0.0090
CP421301	421331	6	NONE			0.0000
CPHCBR21	CON033	1	NONE		-3.	0.0500
CP421331	HCBR21	6				0.0080
CP421401	421431	6	NONE			0.0000
CP421501	421531	6	NONE			0.0000
CP421431	421501	6				0.0000
CP100401	421601	2	NONE	NONE	-3.	0.0000

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CP421601	421602	6	NONE	0.0000
CP421531	421601	6	220131	0.0000
CP421602	CON033	6	NONE	0.0000
CP421701	421731	6	NONE	0.0000
CPCON033	421801	6	NONE	0.0000
CP421731	CON033	6	220131	0.0000
CP421801	421802	6	NONE	0.0000
CP421802	421901	6	NONE	0.0060
CP421901	422001	6	NONE	0.0060
CP422001	421902	6	NONE	0.0000
CP421902	422102	6	NONE	0.0000
CP422102	CON035	6	NONE	0.0060
CP419903	419931	6	NONE	0.0000
CP419931	CON035	6	220131	0.0000
CP422101	422201	6	NONE	0.0190
CPCON035	422101	6	NONE	0.0000
CP422301	422431	6	NONE	0.0120
CP422201	422301	6	NONE	0.0660
CP422431	CFEL22	6	220131	0.0000
CPCFEL22	422504	1	NONE	-3. 0.0060
CP422504	422503	6	NONE	-3. 0.0000
CP422503	422603	6	NONE	0.0060
CP422603	422602	6	NONE	0.0000
CP422602	422502	6	NONE	0.0000
CP422502	422501	6	NONE	0.0000
CP422501	422601	6	NONE	0.0000
CP422601	422701	6	NONE	0.0060
CP422701	416804	6	NONE	0.0110
CP416804	416803	6	NONE	0.0000
CP416803	416802	6	NONE	0.0060
CP416802	416801	6	NONE	0.0000
CP416801	CON036	6	NONE	0.0450
CPCON036	WL2322	6	NONE	0.0000
CPW12322	BRBSB23	6	NONE	0.0100
** Brazos River near South Bend				
**CPBRBSB23	345301	1	NONE	-3. 0.0030
CPBRBSB23	SBSUBS	1	NONE	-3.
CPSBSUBS	SB-DRY	2	BRBSB23	NONE -3.
CPSB-DRY	SB-AVG	2	BRBSB23	NONE -3.
CPSB-AVG	SB-WET	2	BRBSB23	NONE -3.
CPSB-WET	SBDPUL	2	BRBSB23	NONE -3.
CPSBDPUL	SBAPUL	2	BRBSB23	NONE -3.
CPSBAPUL	SBWPUL	2	BRBSB23	NONE -3.
CPSBWPUL	345301	2	BRBSB23	NONE -3. 0.0030
**				
CP345301	CON037	6	NONE	0.0010
CP345401	345431	6	NONE	0.0000
CP345461	345441	2	NONE	NONE -3. 0.0000
CP345441	OUT	2	NONE	NONE -3. 0.0000
CPP51651	345503	6	NONE	0.0000
CP345431	P51651	6	344801	0.0000
CP345503	WL2312	6	NONE	0.0000
CP345502	345501	6	NONE	0.0000
CP345501	WL2312	6	344801	0.0000
CPW12312	345801	6	NONE	0.0000
CP345601	345631	6	NONE	0.0000
CP345602	345632	6	NONE	0.0000
CP345631	345602	6	NONE	0.0000
CP005511	345804	2	NONE	NONE -3. 0.0000
CP345701	345731	6	NONE	0.0000
CP345702	345732	6	NONE	0.0000
CP345731	345702	6	NONE	0.0000
CP345801	345805	6	NONE	0.0000
CP345805	345832	6	NONE	0.0000
CP005512	WL2311	2	NONE	NONE -3. 0.0000
CPW12311	345921	6	NONE	0.0000
CP345832	D34583	6	345831	0.0000
CP345921	345911	6	NONE	0.0000
CP345804	345831	6	NONE	0.0000
CP345632	345801	6	344801	0.0000
CP345732	345801	6	344801	0.0000
CPGHGH24	CON034	1	NONE	-3. 0.0000
CP345831	D34583	6		0.0000
CP345911	GHGH24	6	NONE	0.0000
CPCON034	346002	6	NONE	0.0000
CP346002	346001	6	NONE	0.0000
CP345802	345803	6	NONE	0.0000
CP346001	345802	6	NONE	0.0010
CP345803	345833	6	NONE	0.0000
CP104871	346102	2	NONE	NONE -3. 0.0000
CP346102	346101	6	NONE	0.0000
CP345833	346102	6	344801	0.0010
CP346101	CON037	6	NONE	0.0010
CPCON037	WL2082	6	NONE	0.0020

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CPW12082	CON038	6	NONE	0.0050
CPW12072	CON038	6	NONE	0.0000
CP346201	346231	6	NONE	0.0000
CP346251	346306	2	NONE	-3. 0.0000
CP346306	346304	6	NONE	0.0000
CP346231	346306	6	344801	0.0000
CP346305	346304	6	NONE	0.0000
CP346304	346303	6	NONE	0.0000
CP346303	346302	6	NONE	0.0000
CP346302	346301	6	NONE	0.0000
CP346301	CON038	6	NONE	0.0000
CPCON038	CON039	6	NONE	0.0030
CPCCIV25	CON039	1	NONE	-3. 0.0040
CPW12071	CON039	6	NONE	0.0000
CPCON039	W12061	6	NONE	0.0040
CPW12061	515501	6	NONE	0.0000
CP515501	515531	6	NONE	0.0000
CPSHGR26	399901	1	NONE	-3. 0.0040
** FNI change for FERC instream flow				
**CP515531	SHGR26	6		0.0000
CP515531	5155IF	6		0.0000
CP5155IF	SHGR26	6	NONE	0.0000
** end FNI change				
CP515551	399901	2	NONE	-3. 0.0000
CP027891	399901	2	NONE	-3. 0.0000
CP039571	CON045	2	NONE	-3. 0.0000
CP399901	BRPP27	6	NONE	0.0010
** Brazos River near Palo Pinto				
**CPBRPP27	400001	1	NONE	-3. 0.0010
CPBRPP27	PPSUBS	1	NONE	-3.
CPPPSUBS	PP-DRY	2	BRPP27	NONE -3.
CPPP-DRY	PP-AVG	2	BRPP27	NONE -3.
CPPP-AVG	PP-WET	2	BRPP27	NONE -3.
CPPP-WET	PPDPUL	2	BRPP27	NONE -3.
CPPPDPUL	PPASPL	2	BRPP27	NONE -3.
CPPPASPL	PPALPL	2	BRPP27	NONE -3.
CPPPALPL	PPWSPL	2	BRPP27	NONE -3.
CPPPWSPL	PPWLPL	2	BRPP27	NONE -3.
CPPPWLPL	400001	2	BRPP27	NONE -3. 0.0010
**				
CP400001	400102	6	NONE	0.0020
CP400531	400001	6	NONE	0.0000
CP400102	400101	6	NONE	0.0000
CP400101	CON040	6	NONE	0.0010
CP400505	400531	6	NONE	0.0000
CP400201	400231	6	NONE	0.0000
CP400331	400301	6	220131	0.0000
CP400301	400302	6	NONE	0.0000
CP400302	400431	6	NONE	0.0000
CP400431	400401	6	220131	0.0000
CP400231	400431	6	344801	0.0000
CP400401	400432	6	NONE	0.0000
CP400451	400401	2	NONE	NONE -3. 0.0000
CPCON040	400503	6	NONE	0.0000
CP400432	CON040	6	NONE	0.0000
CP400503	400502	6	NONE	0.0010
CP400502	CON190	6	NONE	0.0010
CP400504	400532	6	NONE	0.0000
CP400501	CON190	6	NONE	0.0000
CP400532	400501	6	220131	0.0000
CPCON190	CON042	6	NONE	0.0030
CP403152	400602	2	NONE	NONE -3. 0.0000
CP400602	400601	6	NONE	0.0000
CP105852	400601	2	NONE	NONE -3. 0.0000
CP400601	400701	6	NONE	0.0000
CP400701	CON042	6	NONE	0.0000
CPCON042	400901	6	NONE	0.0010
CP400901	401001	6	NONE	0.0000
CP400801	401101	6	NONE	0.0050
CP401001	400801	6	NONE	0.0000
CP401101	401202	6	NONE	0.0000
CP401202	401301	6	NONE	0.0000
CP401301	CON189	6	NONE	0.0000
CPCON189	CON044	6	NONE	0.0000
CP401332	CON189	6	NONE	0.0000
CP401334	CON189	6	NONE	0.0000
CP401305	401331	6	NONE	0.0000
CP401306	401332	6	NONE	0.0000
CP401331	401306	6	NONE	0.0000
CP401307	401333	6	NONE	0.0000
CP401308	401334	6	NONE	0.0000
CP401333	401308	6	220131	0.0000
CP402301	402331	6	NONE	0.0000
CP401841	401861	2	NONE	NONE -3. 0.0000

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CP401601	401631	6	NONE	0.0000
CP401701	401731	6	NONE	0.0000
CP401401	401402	6	NONE	0.0000
CP401501	402003	6	NONE	0.0000
CP401402	401403	6	NONE	0.0000
CP401403	401404	6	NONE	0.0000
CP401404	401405	6	NONE	0.0000
CP401405	401431	6	NONE	0.0000
CP401431	401501	6	220131	0.0000
CP401901	401931	6	NONE	0.0000
CP401631	401901	6	220131	0.0000
CP401731	401801	6	220131	0.0000
CP401801	401831	6	NONE	0.0000
CP401831	401901	6	NONE	0.0000
CP401861	OUT	2	NONE NONE	-3. 0.0000
CP402003	402002	6	NONE	0.0000
CP401931	402003	6	220131	0.0000
CP402161	OUT	2	NONE NONE	-3. 0.0000
CP402162	OUT	2	NONE NONE	-3. 0.0000
CP402163	OUT	2	NONE NONE	-3. 0.0000
CP402002	402001	6	NONE	0.0000
CP402001	402201	6	NONE	0.0000
CP402101	402201	6	220131	0.0000
CP402143	402163	2	NONE NONE	-3. 0.0000
CP402142	402162	2	NONE 220131	-3. 0.0000
CP402141	402161	2	NONE NONE	-3. 0.0000
CP402201	W12301	6	NONE	0.0000
CP402401	402431	6	NONE	0.0000
CP402402	402432	6	NONE	0.0000
CP402502	402531	6	NONE	0.0000
CP402701	402731	6	NONE	0.0000
CP402631	402701	6	NONE	0.0000
CP402841	OUT	2	NONE NONE	-3. 0.0000
CP402802	402801	6	NONE	0.0000
CP402803	402831	6	NONE	0.0000
CP402801	W12301	6	NONE	0.0000
CP402831	402801	6	220131	0.0000
CP402901	402931	6	NONE	0.0000
CPW12301	403101	6	NONE	0.0000
CP402331	W12301	6	220131	0.0000
CP402431	W12301	6	220131	0.0000
CP402432	W12301	6	220131	0.0000
CP402531	402601	6	220131	0.0000
CP402601	402631	6	NONE	0.0000
CP402731	W12301	6	220131	0.0000
CP402931	W12301	6	220131	0.0000
CPW12302	403201	6	NONE	0.0000
CP403031	403101	6	220131	0.0000
CP403101	403131	6	NONE	0.0000
CP019031	403201	2	NONE NONE	-3. 0.0000
CP019032	403201	2	NONE NONE	-3. 0.0000
CP019033	403201	2	NONE NONE	-3. 0.0000
CP403151	403201	2	NONE NONE	-3. 0.0000
CP403341	OUT	2	NONE NONE	-3. 0.0000
CP403201	403301	6	NONE	0.0000
CP403131	W12302	6		0.0000
CP403333	403301	6	NONE	0.0000
CP403332	403301	6	NONE	0.0000
CP403331	403301	6	220131	0.0000
CP403301	403701	6	NONE	0.0000
CP403601	403631	6	NONE	0.0000
CP403441	OUT	2	NONE NONE	-3. 0.0000
CP403401	403501	6	NONE	0.0000
CP403501	403701	6	NONE	0.0000
CP403701	PPSA28	6	NONE	0.0000
CP403631	403701	6	220131	0.0000
CPPPSA28	403803	1	NONE	-3. 0.0040
CP403803	403802	6	NONE	0.0040
CP403802	403801	6	NONE	0.0000
CP403801	403102	6	NONE	0.0180
CP403102	403132	6	NONE	0.0000
CP401201	CON044	6	NONE	0.0040
CP403132	401201	6	220131	0.0040
CPCON044	401302	6	NONE	0.0000
CP401302	401303	6	NONE	0.0010
CP401303	401304	6	NONE	0.0000
CP401309	401335	6	NONE	0.0000
CP401304	CON045	6	NONE	0.0010
CP401335	401304	6	220131	0.0000
CP401300	401336	6	NONE	0.0000
CP40130A	401337	6	NONE	0.0000
CP401336	40130A	6	NONE	0.0000
CP544751	544701	2	NONE NONE	-3. 0.0000
CP544701	544731	6	NONE	0.0000

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CP386242	OUT	2	NONE	NONE	-3.	0.0000
CP386241	OUT	2	NONE	227031	-3.	0.0000
CP404001	404031	6		NONE		0.0000
CP404002	404032	6		NONE		0.0000
CP404032	386201	6		227031		0.0000
CP404101	404131	6		NONE		0.0000
CP404201	404231	6		NONE		0.0000
CP386201	CON045	6		NONE		0.0000
CP404031	386201	6		227031		0.0000
CP404131	386201	6		227031		0.0000
CP404231	386201	6		227031		0.0000
CPP51641	5164P1	6		NONE		0.0000
CP403901	403931	6		NONE		0.0000
CP105851	CON045	2	NONE	NONE	-3.	0.0000
CPCON045	CON046	6		NONE		0.0020
CP401337	CON045	6		220131		0.0000
CP544731	CON045	6		220131		0.0000
CP5164P1	CON045	6		220131		0.0000
CP403931	CON045	6				0.0000
CP404301	404331	6		NONE		0.0000
CPCON046	404402	6		NONE		0.0010
CP404331	CON046	6		220131		0.0000
CP404402	404401	6		NONE		0.0000
**CP 404401 now flows into CP 576701.						
**CP404401	BRDE29	6		NONE		0.0000
CP404401	576701	6		NONE		0.0000
CPBRDE29	404502	1		NONE	-3.	0.0010
CP404502	404501	6		NONE		0.0000
CP404501	404601	6		NONE		0.0000
CP404601	404703	6		NONE		0.0000
CP404703	404702	6		NONE		0.0000
CP404702	404701	6		NONE		0.0000
CP404701	CON047	6		NONE		0.0010
CP404801	404802	6		220131		0.0000
CP404901	404931	6		NONE		0.0000
CP404902	404932	6		NONE		0.0000
CP404931	404902	6		NONE		0.0000
CP405002	405032	6		NONE		0.0000
CP404932	405002	6		227031		0.0000
CP405032	405001	6		NONE		0.0000
CP405001	405031	6		NONE		0.0000
CP405242	OUT	2	NONE	NONE	-3.	0.0000
CP405241	OUT	2	NONE	227031	-3.	0.0000
CP405243	OUT	2	NONE	NONE	-3.	0.0000
CP405331	405332	6		NONE		0.0000
CP405332	CON048	6		227031		0.0000
CPCON047	405101	6		NONE		0.0010
CP404802	404831	6		NONE		0.0000
CP404831	CON047	6		220131		0.0000
CP405031	CON047	6		227031		0.0000
CP405101	CON048	6		NONE		0.0010
CP405201	W12052	6		NONE		0.0000
CP021702	405201	2	NONE	NONE	-3.	0.0000
CP021701	W12052	2	NONE	NONE	-3.	0.0000
CP021703	W12052	2	NONE	NONE	-3.	0.0000
CPW12052	405401	6		NONE		0.0010
CP405501	411401	6		NONE		0.0000
CP411401	CON191	6		NONE		0.0000
CPCON191	CON049	6		NONE		0.0000
CP405601	405631	6		NONE		0.0000
CP405631	CON049	6		227031		0.0000
CP405834	405833	6		NONE		0.0000
CP405833	CON192	6		NONE		0.0000
CPCON192	CON193	6		NONE		0.0010
CP405832	405831	6		NONE		0.0000
CP405831	CON193	6		227031		0.0000
**CPCON193	CON194	6		NONE		0.0020
CPCON193	406001	6		NONE		0.0016
CP406001	CON194	6		NONE		0.0004
CP406631	CON194	6		227031		0.0000
CP101782	CON194	2	NONE	NONE	-3.	0.0000
CPCON194	CON050	6		NONE		0.0020
CP014811	CON050	2	NONE	NONE	-3.	0.0000
CP385102	385132	6		NONE		0.0000
CP385132	385131	6		NONE		0.0000
CP385131	385101	6		227031		0.0000
CP385101	CON050	6		NONE		0.0000
CP406901	406931	6		NONE		0.0000
CPCON050	W12051	6		NONE		0.0010
CP406931	CON050	6		227031		0.0000
CP409753	W12051	2	NONE	NONE	-3.	0.0000
CPW12051	405701	6		NONE		0.0000
CP405701	405901	6		NONE		0.0000
**CP405901	406001	6		NONE		0.0000

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CP405901	406101	6	NONE	0.0000
**CP406001	406101	6	NONE	0.0000
CP406101	406201	6	NONE	0.0000
CP406201	406301	6	NONE	0.0000
CP406301	406401	6	NONE	0.0000
CP406401	406501	6	NONE	0.0000
CP406501	406701	6	NONE	0.0000
CP406701	406801	6	NONE	0.0000
CP406801	407001	6	NONE	0.0000
CP407001	407101	6	NONE	0.0000
CP407101	515601	6	NONE	0.0000
CP515601	515631	6	NONE	0.0000
CP515631	407301	6		0.0000
CP515651	407301	2	NONE NONE	-3. 0.0000
CP407301	407401	6	NONE	0.0000
CP407401	407203	6	NONE	0.0000
CP407203	CON062	6	NONE	0.0000
CP407531	CON062	6	227031	0.0000
CPCON062	W12042	6	NONE	0.0000
CPW12042	407202	6	NONE	0.0000
CP407202	407201	6	NONE	0.0010
CP407241	OUT	2	NONE 227031	-3. 0.0000
CP407201	407601	6	NONE	0.0030
CP407601	407702	6	NONE	0.0000
CP407702	407701	6	NONE	0.0000
CP407701	407801	6	NONE	0.0000
CP407801	407901	6	NONE	0.0000
CP407901	408001	6	NONE	0.0000
CP407931	408001	6	227031	0.0000
CP408001	408002	6	NONE	0.0000
CP408002	408003	6	NONE	0.0000
CP408003	408101	6	NONE	0.0000
CP408101	408102	6	NONE	0.0000
CP408102	408201	6	NONE	0.0000
CP408201	408202	6	NONE	0.0000
CP408202	408203	6	NONE	0.0000
CP408203	408301	6	NONE	0.0000
CP408301	BRGR30	6	NONE	0.0020
CP014012	BRGR30	2	NONE NONE	-3. 0.0000
** Brazos River near Glen Rose				
**CPBRGR30	CON063	1	NONE	-3. 0.0010
CPBRGR30	GRSUBS	1	NONE	-3.
CPGRSUBS	GR-DRY	2	BRGR30 NONE	-3.
CPGR-DRY	GR-AVG	2	BRGR30 NONE	-3.
CPGR-AVG	GR-WET	2	BRGR30 NONE	-3.
CPGR-WET	GRDPUL	2	BRGR30 NONE	-3.
CPGRDPUL	GRASPUL	2	BRGR30 NONE	-3.
CPGRASPUL	GRALPL	2	BRGR30 NONE	-3.
CPGRALPL	GRWSPL	2	BRGR30 NONE	-3.
CPGRWSPL	GRWLPL	2	BRGR30 NONE	-3.
CPGRWLPL	CON063	2	BRGR30 NONE	-3. 0.0010
**				
CPW12291	408401	6	NONE	0.0000
CP408401	CON200	6	NONE	0.0000
CP408402	408431	6	NONE	0.0000
CP408431	CON200	6	220131	0.0000
CP408403	408432	6	NONE	0.0000
CP408432	408402	6	NONE	0.0000
CP408501	408531	6	NONE	0.0000
CP408531	CON200	6	220131	0.0000
CP408601	CON200	6	NONE	0.0000
CP408641	OUT	2	NONE 220131	-3. 0.0000
CPCON200	CON199	6	NONE	0.0000
CP408751	408704	2	NONE NONE	-3. 0.0000
CP408704	408731	6	NONE	0.0000
CP408731	408703	6	227031	0.0000
CP408703	408702	6	NONE	0.0000
CP408752	408705	2	NONE NONE	-3. 0.0000
CP408705	408732	6	NONE	0.0000
CP408732	408701	6	NONE	0.0000
CP408702	408701	6	227031	0.0000
CP408701	CON199	6	NONE	0.0000
CPCON199	408801	6	NONE	0.0000
CP408801	CON198	6	227031	0.0000
CP408861	408841	2	NONE NONE	-3. 0.0000
CP408841	OUT	2	NONE 227031	-3. 0.0000
CP562831	CON198	6	220131	0.0000
CPCON198	CON197	6	NONE	0.0000
CP529501	5295P1	6	NONE	0.0000
CP5295P1	408902	6	220131	0.0000
CP529502	529532	6	NONE	0.0000
CP529532	408902	6	220131	0.0000
CP408902	408901	6	NONE	0.0000
CP562832	408901	6	220131	0.0000

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CP408901	CON197	6	NONE	0.0000
CPCON197	CON196	6	NONE	0.0000
CP409001	409031	6	NONE	0.0000
CP409031	409201	6	227031	0.0000
CP409101	409131	6	NONE	0.0000
CP409131	393901	6	227031	0.0000
CP393901	393931	6	NONE	0.0000
CP393931	409201	6	227031	0.0000
CP409201	409301	6	NONE	0.0000
CP409301	CON196	6	NONE	0.0000
CPCON196	409402	6	NONE	0.0000
CP409402	409401	6	NONE	0.0000
CP409401	409501	6	NONE	0.0000
CP409501	PAGR31	6	NONE	0.0000
** ADD CP FOR SOMERVELL COUNTY WATER DISTRICT, APP.5744				
**CPPAGR31	409631	1	NONE	-3. 0.0010
CPPAGR31	574432	1	NONE	-3. 0.0009
CP574432	409631	6	227031	0.0001
CP574431	409631	6	227031	0.0000
**				
CP409631	CON073	6	227031	0.0010
CP409701	409731	6	NONE	0.0000
CP409731	546001	6		0.0000
CP409702	409732	6	NONE	0.0000
CP409732	546001	6	409731	0.0000
** FNI Change - add dummy CP for Squaw Creek fill with Lake Granbury water				
CP4097DM	OUT	2	NONE NONE	-3. 0.0000
CP409751	546001	2	NONE NONE	-3. 0.0000
CP409752	546001	2	NONE NONE	-3. 0.0000
CP018544	546001	2	NONE NONE	-3. 0.0000
CP018541	546001	2	NONE NONE	-3. 0.0000
CP546051	546001	2	NONE NONE	-3. 0.0000
CP546052	546001	2	NONE NONE	-3. 0.0000
CP546001	546031	6	NONE	0.0000
CP546061	546041	2	NONE NONE	-3. 0.0000
CP546041	OUT	2	NONE 227031	-3. 0.0000
CP546062	546042	2	NONE NONE	-3. 0.0000
CP546042	OUT	2	NONE NONE	-3. 0.0000
CP546031	CON073	6	227031	0.0000
CPCON073	W12292	6	NONE	0.0000
CPW12292	CON063	6	NONE	0.0000
CPCON063	409801	6	NONE	0.0010
CP409801	409901	6	NONE	0.0020
CP409901	CON064	6	NONE	0.0010
CP502801	502831	6	NONE	0.0000
CP502831	CON064	6	227031	0.0000
CP502851	502852	2	NONE NONE	-3. 0.0000
CP502852	CON064	2	NONE NONE	-3. 0.0000
CPCON064	410001	6	NONE	0.0010
CP410051	410001	2	NONE NONE	-3. 0.0000
CP410001	W12041	6	NONE	0.0010
CPW12041	410201	6	NONE	0.0000
CP410201	W12032	6	NONE	0.0000
CPW12032	CON065	6	NONE	0.0000
CP410131	CON065	6	227031	0.0000
CPCON065	410202	6	NONE	0.0000
CP410202	410301	6	NONE	0.0010
CP410203	410301	6	NONE	0.0000
CP410301	410302	6	NONE	0.0000
CP410302	410303	6	NONE	0.0000
CP410303	410304	6	NONE	0.0000
CP410304	410305	6	NONE	0.0000
CP410305	410306	6	NONE	0.0000
CP410306	410401	6	NONE	0.0010
CP410401	410402	6	NONE	0.0000
CP410402	410403	6	NONE	0.0000
CP410403	410404	6	NONE	0.0000
CP410404	410405	6	NONE	0.0000
CP410405	410406	6	NONE	0.0010
CP410406	410407	6	NONE	0.0000
CP410407	410408	6	NONE	0.0000
**CP410408	CON066	6	NONE	0.0020
**CP410409	CON066	6	NONE	0.0000
CP410408	410409	6	NONE	0.0004
CP410409	CON066	6	NONE	0.0016
CP410501	W12282	6	NONE	0.0000
CPW12282	410601	6	NONE	0.0000
CPW12281	CON195	6	NONE	0.0000
CP410601	410631	6	NONE	0.0000
CP410631	410602	6		0.0000
CP410602	W12272	6	NONE	0.0000
CPW12272	W12281	6	NONE	0.0000
CP425801	425831	6	NONE	0.0000
CP425831	410701	6	227031	0.0000

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CP100061	410701	2	NONE	NONE	-3.	0.0000
CP410701	CON195	6		NONE		0.0000
** FNI change - Cleburne reuse						
**CPCON195	NRBL32	6		NONE		0.0000
CPCON195	4106C	6		NONE		0.0000
CP	4106C	6		NONE		0.0000
**						
CPNRBL32	WL2271	1		NONE	-3.	0.0010
CPW12271	CON066	6		NONE		0.0020
CPCON066	CON067	6		NONE		0.0010
CP410801	410802	6		NONE		0.0000
CP410802	CON067	6		NONE		0.0000
CP410803	CON067	6		NONE		0.0000
CPCON067	CON068	6		NONE		0.0030
CP410901	410931	6		NONE		0.0000
CP410931	411001	6		227031		0.0000
CP411001	CON068	6		NONE		0.0000
CP411101	411131	6		NONE		0.0000
CP411131	CON068	6		228731		0.0000
CP411201	411231	6		NONE		0.0000
CP411231	CON068	6		227031		0.0000
CPCON068	CON069	6		NONE		0.0020
CP534631	411301	6		228731		0.0000
CP411301	411331	6		NONE		0.0000
CP411331	411302	6		NONE		0.0000
CP411302	411332	6		NONE		0.0000
CP411332	411303	6		NONE		0.0000
CP411303	411333	6		NONE		0.0000
CP411333	CON069	6		228731		0.0000
CPCON069	515701	6		NONE		0.0030
CPW12031	515701	6		NONE		0.0000
CP515701	515731	6		NONE		0.0000
CP515731	WL2422	6				0.0000
CP515751	WL2422	2	NONE	NONE	-3.	0.0000
CPW12422	431501	6		NONE		0.0000
CP431501	431601	6		NONE		0.0000
CP431601	431802	6		NONE		0.0000
CP431802	431701	6		NONE		0.0000
CP431701	431801	6		NONE		0.0000
CP431841	OUT	2	NONE	228731	-3.	0.0000
CP431801	BRAQ33	6		NONE		0.0000
CP431901	431902	6		NONE		0.0000
CP431902	BRAQ33	6		NONE		0.0000
CPBRAQ33	432001	1		NONE	-3.	0.0010
CP432001	431803	6		NONE		0.0000
CP431803	P41411	6		NONE		0.0000
CPP41411	432101	6		NONE		0.0000
CP432101	432201	6		NONE		0.0000
CP432201	432202	6		NONE		0.0000
CP432202	432301	6		NONE		0.0000
CP432301	432403	6		NONE		0.0000
CP432403	432402	6		NONE		0.0000
CP432402	432401	6		NONE		0.0000
CP432441	OUT	2	NONE	228731	-3.	0.0000
CP432401	432501	6		NONE		0.0010
CP432501	432601	6		NONE		0.0000
CP432601	432701	6		NONE		0.0000
CP432701	432801	6		NONE		0.0000
CP432801	432901	6		NONE		0.0000
CP432901	433001	6		NONE		0.0010
CP433001	433101	6		NONE		0.0000
CP433101	433201	6		NONE		0.0000
CP433201	CON070	6		NONE		0.0020
CPW12541	515801	6		NONE		0.0000
CP433301	433331	6		NONE		0.0000
CP433331	515801	6		227031		0.0000
CP106301	515801	2	NONE	NONE	-3.	0.0000
CPW12542	515801	6		NONE		0.0000
CP515851	515801	2	NONE	NONE	-3.	0.0000
CP515801	515831	6		NONE		0.0000
CP515831	515802	6				0.0000
CP515802	433401	6		NONE		0.0010
CP433401	433431	6		NONE		0.0000
CP433431	AQAQ34	6		228731		0.0000
CPAQAQ34	433501	1		NONE	-3.	0.0000
CP433501	CON070	6		NONE		0.0040
CPCON070	433801	6		NONE		0.0020
CP433601	433801	6		NONE		0.0000
CP433701	433702	6		NONE		0.0000
CP433702	433801	6		NONE		0.0000
CP433801	433902	6		NONE		0.0000
CP433902	433901	6		NONE		0.0000
CP220131	220102	6				0.0000
CP220102	220101	6		NONE		0.0000

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CP220101	220331	6	NONE	0.0000
CP220331	220231	6	220131	0.0000
CP220231	220401	6	220131	0.0000
CP220401	220431	6	NONE	0.0000
CP220431	220802	6	220131	0.0000
CP220502	220531	6	NONE	0.0000
CP220531	220501	6	220131	0.0000
CP220551	220501	2	NONE NONE	-3. 0.0000
CP220501	220802	6	NONE	0.0000
CP220631	220731	6	220131	0.0000
CP220731	220601	6	220131	0.0000
CP220651	220601	2	NONE NONE	-3. 0.0000
CP220751	220601	2	NONE NONE	-3. 0.0000
CP220601	220701	6	NONE	0.0000
CP220701	220802	6	NONE	0.0000
CP220803	220801	6	NONE	0.0000
CP220801	220831	6	NONE	0.0000
CP220831	220802	6	220131	0.0000
CP220851	220802	2	NONE NONE	-3. 0.0000
CP220802	221003	6	NONE	0.0000
CP220901	220931	6	NONE	0.0000
CP220931	221003	6	220131	0.0000
CP221003	221002	6	NONE	0.0000
CP221002	221001	6	NONE	0.0000
CP221001	CON209	6	NONE	0.0000
CP221431	221231	6	220131	0.0000
CP221231	221331	6	220131	0.0000
CP221331	CON211	6	220131	0.0000
CP221101	221131	6	NONE	0.0000
CP221131	390001	6	220131	0.0000
CP390001	390002	6	NONE	0.0000
CP390002	CON211	6	220131	0.0000
CPCON211	CON210	6	NONE	0.0000
CP221502	221531	6	NONE	0.0000
CP221531	221601	6	220131	0.0000
CP221601	221631	6	NONE	0.0000
CP221631	221501	6	220131	0.0000
CP221551	221501	2	NONE NONE	-3. 0.0000
CP221501	CON210	6	NONE	0.0000
CPCON210	CON209	6	NONE	0.0000
CPCON209	W12552	6	NONE	0.0000
CPW12552	CON208	6	NONE	0.0000
CP221731	221831	6	220131	0.0000
CP221831	CON208	6	220131	0.0000
CPCON208	561931	6	NONE	0.0000
CP561931	561932	6	220131	0.0000
CP561932	221901	6	NONE	0.0000
CP221901	222001	6	NONE	0.0000
CP102902	222001	2	NONE NONE	-3. 0.0000
CP222001	500701	6	NONE	0.0000
CP500701	500702	6	NONE	0.0000
CP500702	222101	6	NONE	0.0000
CP222101	222201	6	NONE	0.0000
CP222201	222301	6	NONE	0.0000
CP222301	505202	6	NONE	0.0000
CP505202	505201	6	NONE	0.0000
CP505201	CON207	6	NONE	0.0000
CP222431	W12551	6	220131	0.0000
CPW12551	CON207	6	NONE	0.0000
CPCON207	W12261	6	NONE	0.0000
CPW12261	CON206	6	NONE	0.0000
CPCON206	222601	6	NONE	0.0000
CP222701	222731	6	NONE	0.0000
CP222731	222831	6	220131	0.0000
CP222851	222831	2	NONE NONE	-3. 0.0000
CP222831	222801	6	220131	0.0000
CP222801	222802	6	NONE	0.0000
CP222802	222803	6	NONE	0.0000
CP222803	222804	6	NONE	0.0000
CP222804	CON206	6	NONE	0.0000
CP222601	222903	6	NONE	0.0000
CP222903	222902	6	NONE	0.0000
CP222902	222901	6	NONE	0.0000
CP222901	CON205	6	NONE	0.0000
CP222501	CON205	6	NONE	0.0000
CP223001	223031	6	NONE	0.0000
CP223031	223131	6	220131	0.0000
CP223131	223101	6	220131	0.0000
CP223101	CON205	6	NONE	0.0000
CP223211	223231	6	NONE	0.0000
CP223231	CON205	6	220131	0.0000
CPCON205	555721	6	NONE	0.0000
CP555721	555711	6	NONE	0.0000
CP555711	223301	6	NONE	0.0000

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CP223301	223401	6	NONE	0.0000
CP223401	P41242	6	NONE	0.0000
CPP41242	223502	6	NONE	0.0000
CP223502	223501	6	NONE	0.0000
CP223451	223402	2	NONE	-3. 0.0000
CP223402	P41241	6	NONE	0.0000
CP412451	P41241	2	NONE	-3. 0.0000
CPP41241	412431	6	NONE	0.0000
CP412431	223501	6	220131	0.0000
CP223501	223601	6	NONE	0.0000
CP223601	CON204	6	NONE	0.0000
CP223867	223847	2	NONE	-3. 0.0000
CP223847	OUT	2	NONE	-3. 0.0000
CP223866	223846	2	NONE	-3. 0.0000
CP223846	OUT	2	NONE	-3. 0.0000
CP223865	223845	2	NONE	-3. 0.0000
CP223845	OUT	2	NONE	-3. 0.0000
CP223864	223844	2	NONE	-3. 0.0000
CP223844	OUT	2	NONE	-3. 0.0000
CP223863	223843	2	NONE	-3. 0.0000
CP223843	OUT	2	NONE	-3. 0.0000
CP223862	223842	2	NONE	-3. 0.0000
CP223842	OUT	2	NONE	-3. 0.0000
CP223861	223841	2	NONE	-3. 0.0000
CP223841	OUT	2	NONE	-3. 0.0000
CP223805	223831	6	NONE	0.0000
CP223831	223804	6	220131	0.0000
CP223804	223803	6	NONE	0.0000
CP223803	223802	6	NONE	0.0000
CP223802	223801	6	NONE	0.0000
CP223701	223731	6	NONE	0.0000
CP223731	223702	6	220131	0.0000
CP223702	223801	6	NONE	0.0000
CP223801	CON204	6	NONE	0.0000
CP223901	223931	6	NONE	0.0000
CP223931	CON204	6	220131	0.0000
CP224002	224031	6	NONE	0.0000
CP224031	224001	6	220131	0.0000
CP224001	CON204	6	NONE	0.0000
CP224101	224131	6	NONE	0.0000
CP224131	224202	6	220131	0.0000
CP224202	224231	6	NONE	0.0000
CP224231	224201	6	220131	0.0000
CP224201	224302	6	NONE	0.0000
CP224302	224331	6	NONE	0.0000
CP224331	224301	6	220131	0.0000
CP224301	CON204	6	NONE	0.0000
CP224401	224431	6	NONE	0.0000
CP224431	224501	6	220131	0.0000
CP224501	224531	6	NONE	0.0000
CP224531	224502	6	220131	0.0000
CP224502	CON204	6	NONE	0.0000
CP224601	224631	6	NONE	0.0000
CP224631	224602	6	220131	0.0000
CP224602	CON204	6	NONE	0.0000
CP224702	224732	6	NONE	0.0000
CP224732	224801	6	220131	0.0000
CP224701	224731	6	NONE	0.0000
CP224731	224901	6	220131	0.0000
CP224801	224831	6	NONE	0.0000
CP224831	224902	6	220131	0.0000
CP224902	224931	6	NONE	0.0000
CP224931	224701	6	220131	0.0000
CP224901	CON204	6	NONE	0.0000
CPCON204	CON203	6	NONE	0.0000
CP225001	CON203	6	NONE	0.0000
CPCON203	225101	6	NONE	0.0000
CP225101	225202	6	NONE	0.0000
CP225202	225201	6	NONE	0.0000
CP225201	CON202	6	NONE	0.0000
CP225331	CON202	6	NONE	0.0000
CPCON202	225404	6	NONE	0.0000
CP225404	225502	6	NONE	0.0000
CP225502	225501	6	NONE	0.0000
CP225501	CON201	6	NONE	0.0000
CP505101	505131	6	NONE	0.0000
CP505131	225406	6	225331	0.0000
CP225406	225405	6	NONE	0.0000
CP225405	225403	6	NONE	0.0000
CPCON201	225402	6	NONE	0.0000
CP225403	CON201	6	NONE	0.0000
CP225402	225801	6	NONE	0.0000
CP225801	225401	6	NONE	0.0000
CP225401	225901	6	NONE	0.0000

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CP225901	225903	6	NONE		0.0000	
CP225903	225902	6	NONE		0.0000	
CP225902	226001	6	NONE		0.0000	
CP226001	NBHI35	6	NONE		0.0000	
CPNBHI35	226101	1	NONE	-3.	0.0050	
CP226101	226202	6	NONE		0.0140	
CP226202	226201	6	NONE		0.0000	
CP226201	226301	6	NONE		0.0050	
CP226301	226405	6	NONE		0.0000	
CP226403	226402	6	NONE		0.0000	
CP226402	226401	6	NONE		0.0000	
CP226401	226405	6	NONE		0.0000	
CP226405	226404	6	NONE		0.0050	
CP226404	226506	6	NONE		0.0000	
CP226506	378302	6	NONE		0.0000	
CP378302	226505	6	NONE		0.0000	
CP226505	226504	6	NONE		0.0000	
CP226504	226503	6	NONE		0.0000	
CP226503	378301	6	NONE		0.0050	
CP378303	378304	6	NONE		0.0000	
CP378304	378301	6	NONE		0.0000	
CP378301	226502	6	NONE		0.0000	
CP378351	378331	2	NONE	NONE	-3.	0.0000
CP378331	378301	6		228731		0.0000
CP226502	226501	6		NONE		0.0000
CP226501	226601	6		NONE		0.0310
CP226601	CON079	6		NONE		0.0050
CP226701	226801	6		NONE		0.0000
CP226801	CON079	6		NONE		0.0000
CPCON079	226901	6		NONE		0.0090
CP226901	CON071	6		NONE		0.0050
CP227032	227001	6		NONE		0.0000
CP227001	227031	6		NONE		0.0000
CP227031	CON071	6				0.0000
CPCON071	227101	6		NONE		0.0000
CP227101	227201	6		NONE		0.0050
CP227201	CON072	6		NONE		0.0140
CP227307	227333	6		NONE		0.0000
CP227333	227301	6		NONE		0.0000
CP227353	227301	2	NONE	NONE	-3.	0.0000
CP227301	227606	6		227031		0.0000
CP227305	227331	6		NONE		0.0000
CP227331	227306	6		NONE		0.0000
CP227351	227306	2	NONE	NONE	-3.	0.0000
CP227306	227332	6		NONE		0.0000
CP227332	227304	6		NONE		0.0000
CP227352	227304	2	NONE	NONE	-3.	0.0000
CP227304	227303	6		NONE		0.0000
CP227303	227302	6		NONE		0.0000
CP227701	227702	6		NONE		0.0000
CP227702	CON072	6		NONE		0.0000
CPCON072	227801	6		NONE		0.0220
CP227801	227802	6		NONE		0.0000
CP227802	227901	6		NONE		0.0140
CP227901	228001	6		NONE		0.0050
CP228001	228002	6		NONE		0.0000
CP228002	228101	6		NONE		0.0220
CP228101	228201	6		NONE		0.0050
CP228201	228202	6		NONE		0.0050
CP228202	228302	6		NONE		0.0090
CP228302	228301	6		NONE		0.0000
** add cp for application 4318B						
CP431831	228301	6		227031		0.0050
CP228301	228401	6		NONE		0.0050
CP228401	228402	6		NONE		0.0000
CP228402	228501	6		NONE		0.0000
CP228501	541101	6		NONE		0.0180
CP541101	CON074	6		NONE		0.0180
**The existing reservoir control points, 380936, 380935, 380934, 380933, 380932, 380931 were assigned evaporative loss						
CP380906	380936	6		NONE		0.0000
CP380936	380903	6		228731		0.0000
CP380905	380935	6		NONE		0.0000
CP380935	380903	6		228731		0.0000
CP380903	380933	6		NONE		0.0000
CP380933	380904	6		228731		0.0000
CP380902	380932	6		NONE		0.0000
CP380932	380904	6		228731		0.0000
CP380901	380931	6		NONE		0.0000
CP380931	380904	6		228731		0.0000
CP380904	380934	6		NONE		0.0000
CP380934	CON074	6		228731		0.0000
CP228931	CON074	6		228731		0.0000
CP228702	228701	6		NONE		0.0000
CP228701	228731	6		NONE		0.0000

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CP228731	228801	6			0.0000
CP228801	CON074	6		NONE	0.0000
CPCON074	229001	6		NONE	0.0050
CP229001	229002	6		NONE	0.0000
CP229002	CON212	6		NONE	0.0000
CPCON212	555101	6		NONE	0.0050
CP555101	229101	6		NONE	0.0000
CP229101	229131	6		NONE	0.0000
CP229131	229102	6		228731	0.0000
CP229151	229102	2	NONE	NONE	-3. 0.0000
CP229102	NBCL36	6		NONE	0.0050
** NORTH BOSQUE NEAR CLIFTON					
**CPNBCL36	229201	1		NONE	-3. 0.0000
CPNBCL36	NBSUBS	1		NONE	-3.
CPNBSUBS	NB-DRY	2	NBCL36	NONE	-3.
CPNB-DRY	NB-AVG	2	NBCL36	NONE	-3.
CPNB-AVG	NB-WET	2	NBCL36	NONE	-3.
CPNB-WET	NBDPUL	2	NBCL36	NONE	-3.
CPNBDPUL	NBAPUL	2	NBCL36	NONE	-3.
CPNBAPUL	NBWPUL	2	NBCL36	NONE	-3.
CPNBWPUL	229201	2	NBCL36	NONE	-3. 0.0000
**					
CP229201	229301	6		NONE	0.0000
CP229301	229401	6		NONE	0.0350
CP229401	229402	6		NONE	0.0000
CP229402	229403	6		NONE	0.0000
CP229403	229501	6		NONE	0.0000
CP229501	CON075	6		NONE	0.0000
CP555102	555131	6		NONE	0.0000
CP555151	555131	2	NONE	NONE	-3. 0.0000
CP555131	CON212	6		228731	0.0000
CP229701	229731	6		NONE	0.0000
CP229731	229801	6		228731	0.0000
CP229702	229732	6		NONE	0.0000
CP229732	229703	6		NONE	0.0000
CP229703	229733	6		NONE	0.0000
CP229733	229801	6		NONE	0.0000
CP229801	CON075	6		NONE	0.0000
CPCON075	229202	6		NONE	0.0050
CP229202	229203	6		NONE	0.0000
CP229203	229204	6		NONE	0.0050
CP229204	229205	6		NONE	0.0000
CP229205	229901	6		NONE	0.0000
CP229901	229902	6		NONE	0.0050
CP229902	NBVM37	6		NONE	0.0150
CPNBVM37	230000	1		NONE	-3. 0.0040
CP230000	230101	6		NONE	0.0080
CP230101	230205	6		NONE	0.0160
CP230205	230204	6		NONE	0.0040
CP230204	230203	6		NONE	0.0000
CP230203	220804	6		NONE	0.0000
CP220804	230202	6		NONE	0.0040
CP230202	220805	6		NONE	0.0000
CP220805	230201	6		NONE	0.0000
CP230201	220806	6		NONE	0.0040
CP220806	230301	6		NONE	0.0000
CP230301	220807	6		NONE	0.0040
CP220807	230401	6		NONE	0.0000
CP230401	230502	6		NONE	0.0000
CP230502	230501	6		NONE	0.0000
CP230501	230601	6		NONE	0.0280
CP230601	W12262	6		NONE	0.0080
CPW12262	231501	6		NONE	0.0280
CPW12252	231501	6		NONE	0.0000
CPP36361	363631	6		NONE	0.0000
CP231131	CON213	6		228731	0.0000
CP363631	CON213	6		228731	0.0000
CPCON213	231206	6		NONE	0.0000
CP231206	231236	6		NONE	0.0000
CP231236	231205	6		NONE	0.0000
CP231205	231235	6		NONE	0.0000
CP231235	231204	6		NONE	0.0000
CP231204	231234	6		NONE	0.0000
CP231234	231203	6		NONE	0.0000
CP231203	231233	6		NONE	0.0000
CP231233	231202	6		NONE	0.0000
CP231202	231232	6		NONE	0.0000
CP231232	231201	6		NONE	0.0000
CP231201	231231	6		NONE	0.0000
CP231231	CON214	6		228731	0.0000
CP231331	CON214	6		228731	0.0000
CPCON214	231303	6		NONE	0.0000
CP231303	231302	6		NONE	0.0000
CP231302	231301	6		NONE	0.0000

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CP231301	HGCR39	6	NONE		0.0000	
CPHGCR39	CON078	1	NONE	-3.	0.0410	
CPW12461	230701	6	NONE		0.0000	
CP230701	230801	6	NONE		0.0000	
CP230801	CON215	6	NONE		0.0000	
CP413551	P41351	2	NONE	NONE	-3.	0.0000
CPP41351	CON215	6	NONE		0.0000	
CP413541	OUT	2	NONE	228731	-3.	0.0000
CPCON215	MBMG38	6	NONE		0.0000	
CPMBMG38	CON077	1	NONE	-3.	0.0340	
CP231003	231033	6	NONE		0.0000	
CP231033	231002	6	NONE		0.0000	
CP231002	231032	6	NONE		0.0000	
CP231032	231001	6	NONE		0.0000	
CP231001	231031	6	NONE		0.0000	
CP231031	CON077	6		228731	0.0000	
CP102191	230901	2	NONE	NONE	-3.	0.0000
CP230901	CON077	6		NONE	0.0000	
CP539741	OUT	2	NONE	228731	-3.	0.0000
CP539701	539731	6		NONE	0.0000	
CP539731	CON077	6		228731	0.0000	
CPCON077	W12462	6		NONE	0.0000	
CPW12462	W12251	6		NONE	0.0000	
CPW12251	CON078	6		NONE	0.0080	
CPCON078	231501	6		NONE	0.0050	
CP231431	231432	6		NONE	0.0000	
CP231432	231501	6		228731	0.0000	
CP509401	509431	6		NONE	0.0000	
CP509431	BOWA40	6		228731	0.0080	
CP231531	509401	6			0.0000	
CP231501	231531	6		NONE	0.0000	
CP231602	231601	6		NONE	0.0000	
CP231601	BOWA40	6		NONE	0.0000	
CPBOWA40	231703	1		NONE	-3.	0.0040
CP231703	231801	6		NONE	0.0000	
CP231801	231702	6		NONE	0.0040	
CP231702	231701	6		NONE	0.0000	
CP231701	433901	6		NONE	0.0040	
CP346501	346531	6		NONE	0.0000	
CP346531	346801	6		220131	0.0000	
CP346631	346801	6		220131	0.0000	
CP346701	346731	6		NONE	0.0000	
CP346731	346801	6		413331	0.0000	
CP106371	346801	2	NONE	NONE	-3.	0.0000
CP346801	346831	6		NONE	0.0000	
CP346831	CON182	6		220131	0.0000	
CP347401	347431	6		NONE	0.0000	
CP347431	347501	6		220131	0.0000	
CP347501	347531	6		NONE	0.0000	
CP347531	CON182	6		220131	0.0000	
CPCON182	W12241	6		NONE	0.0000	
CPW12241	W12242	6		NONE	0.0000	
CP346901	346931	6		NONE	0.0000	
CP346931	W12242	6		220131	0.0000	
CPW12242	347001	6		NONE	0.0000	
CP347001	347031	6		NONE	0.0000	
CP347051	347001	2	NONE	NONE	-3.	0.0000
CP347031	CON181	6			0.0000	
CP347101	347131	6		NONE	0.0000	
CP347131	347102	6		NONE	0.0000	
CP347102	347132	6		NONE	0.0000	
CP347132	CON181	6		220131	0.0000	
CP347201	347231	6		NONE	0.0000	
CP347231	CON181	6		220131	0.0000	
CPCON181	W12232	6		NONE	0.0000	
CPW12232	CON180	6		NONE	0.0000	
CP347301	347331	6		NONE	0.0000	
CP347331	CON180	6		220131	0.0000	
CPCON180	CON179	6		NONE	0.0000	
CP347901	347931	6		NONE	0.0000	
CP347931	348001	6		220131	0.0000	
CP348001	348031	6		NONE	0.0000	
CP348031	CON179	6		220131	0.0000	
CP348101	348131	6		NONE	0.0000	
CP348131	CON179	6		220131	0.0000	
CP348201	348231	6		NONE	0.0000	
CP348231	348202	6		NONE	0.0000	
CP348202	348232	6		NONE	0.0000	
CP348232	CON179	6		220131	0.0000	
CP348251	348232	2	NONE	NONE	-3.	0.0000
CPCON179	CON178	6		NONE	0.0000	
CP348301	348302	6		NONE	0.0000	
CP348302	348331	6		NONE	0.0000	
CP348331	CON178	6		220131	0.0000	

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CP348401	348431	6	NONE	0.0000
CP348431	CON178	6	220131	0.0000
CPCON178	CON177	6	NONE	0.0000
CP348602	348632	6	NONE	0.0000
CP348632	CON177	6	220131	0.0000
CP348603	348633	6	NONE	0.0000
CP348633	CON177	6	220131	0.0000
CP348501	348531	6	NONE	0.0000
CP348531	348601	6	220131	0.0000
CP348601	348631	6	NONE	0.0000
CP348631	CON177	6	220131	0.0000
CPCON177	CON176	6	NONE	0.0000
CPP52741	5274P1	6	NONE	0.0000
CP5274P1	CON176	6	220131	0.0000
CPCON176	CON175	6	NONE	0.0000
CP348701	348731	6	NONE	0.0000
CP348731	348801	6	220131	0.0000
CP348801	348831	6	NONE	0.0000
CP348831	CON175	6	220131	0.0000
CP348901	348931	6	NONE	0.0000
CP348931	CON175	6	220131	0.0000
CPCON175	CON174	6	NONE	0.0000
CP349001	349031	6	NONE	0.0000
CP349031	CON174	6	220131	0.0000
CPCON174	CON173	6	NONE	0.0000
CP349201	349231	6	NONE	0.0000
CP349231	CON173	6	220131	0.0000
CPCON173	CON172	6	NONE	0.0000
CP349301	349331	6	NONE	0.0000
CP349331	349401	6	220131	0.0000
CP349401	349431	6	NONE	0.0000
CP349431	CON172	6	220131	0.0000
CP349501	349531	6	NONE	0.0000
CP349531	CON172	6	220131	0.0000
CPCON172	CON171	6	NONE	0.0000
CP349601	349631	6	NONE	0.0000
CP349631	CON171	6	220131	0.0000
CPCON171	CON170	6	NONE	0.0000
CP349701	349801	6	NONE	0.0000
CP349801	349831	6	NONE	0.0000
CP349831	CON170	6	220131	0.0000
CPCON170	CON169	6	NONE	0.0000
CP349901	349931	6	NONE	0.0000
CP349931	CON169	6	220131	0.0000
CPCON169	350001	6	NONE	0.0000
CP350001	CON168	6	NONE	0.0000
CP350101	350131	6	NONE	0.0000
CP350131	CON168	6	220131	0.0000
CPCON168	LEDL43	6	NONE	0.0000
CPLEDL43	CON051	1	NONE	-3. 0.0000
CP393401	393431	6	NONE	0.0000
CP393431	350301	6	220131	0.0000
CP350201	350231	6	NONE	0.0000
CP350231	350302	6	220131	0.0000
CP350302	350332	6	NONE	0.0000
CP350332	350301	6	NONE	0.0000
CP350301	350331	6	NONE	0.0000
CP350331	CON051	6	220131	0.0000
CPCON051	CON052	6	NONE	0.0090
CP350601	350631	6	NONE	0.0000
CP350631	350801	6	220131	0.0000
CP350801	350831	6	NONE	0.0000
CP350831	CON052	6	220131	0.0000
CPCON052	CON053	6	NONE	0.0000
CP350401	350431	6	NONE	0.0000
CP350431	350501	6	220131	0.0000
CP350501	350531	6	NONE	0.0000
CP350531	CON053	6	220131	0.0000
CPCON053	351101	6	NONE	0.0180
CP351101	351201	6	NONE	0.0000
CP351201	CON054	6	NONE	0.0450
CP351501	351531	6	NONE	0.0000
CP351531	351631	6	220131	0.0000
CP351631	CON054	6	220131	0.0000
CP351401	351431	6	NONE	0.0000
CP351431	CON054	6	220131	0.0000
CP351701	351731	6	NONE	0.0000
CP351731	CON054	6	220131	0.0000
CP351801	351831	6	NONE	0.0000
CP351831	CON054	6	220131	0.0000
CP351901	351931	6	NONE	0.0000
CP351931	CON054	6	220131	0.0000
CPCON054	CON060	6	NONE	0.0630
CPW12231	CON060	6	NONE	0.0000

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CP352001	352031	6	NONE	0.0000
CP352031	352802	6	220131	0.0000
CP352101	352131	6	NONE	0.0000
CP352131	352802	6	220131	0.0000
CP352202	352232	6	NONE	0.0000
CP352232	352201	6	NONE	0.0000
CP352201	352231	6	NONE	0.0000
CP352231	352802	6	220131	0.0000
CP352301	352331	6	NONE	0.0000
CP352331	352402	6	220131	0.0000
CP352402	352432	6	NONE	0.0000
CP352432	352401	6	NONE	0.0000
CP352401	352431	6	NONE	0.0000
CP352431	352802	6	220131	0.0000
CP352501	352531	6	NONE	0.0000
CP352531	352802	6	220131	0.0000
CP426301	426331	6	NONE	0.0000
CP426331	352802	6	NONE	0.0000
CP352601	352631	6	NONE	0.0000
CP352631	352802	6	220131	0.0000
CP352801	352831	6	NONE	0.0000
CP352831	352802	6	220131	0.0000
CP353001	353031	6	NONE	0.0000
CP353031	352802	6	220131	0.0000
CP353002	353032	6	NONE	0.0000
CP353032	352802	6	220131	0.0000
CP352802	353201	6	NONE	0.0000
CP353101	353131	6	NONE	0.0000
CP353131	353102	6	220131	0.0000
CP353102	353132	6	NONE	0.0000
CP353132	353201	6	220131	0.0000
CP526001	526031	6	NONE	0.0000
CP526031	353201	6	220131	0.0000
CP526002	526032	6	NONE	0.0000
CP526032	353201	6	220131	0.0000
CP353241	OUT	2	NONE 220131	-3. 0.0000
CP353201	353401	6	NONE	0.0000
CP353301	353331	6	NONE	0.0000
CP353331	353104	6	220131	0.0000
CP353104	353134	6	NONE	0.0000
CP353134	353401	6	220131	0.0000
CP353103	353133	6	NONE	0.0000
CP353133	353401	6	220131	0.0000
CP353442	OUT	2	NONE NONE	-3. 0.0000
CP353441	OUT	2	NONE 220131	-3. 0.0000
CP353401	354301	6	NONE	0.0000
CP353501	353531	6	NONE	0.0000
CP353531	353602	6	220131	0.0000
CP353602	353632	6	NONE	0.0000
CP353632	353601	6	NONE	0.0000
CP353601	353631	6	NONE	0.0000
CP353631	354301	6	220131	0.0000
CP353701	353731	6	NONE	0.0000
CP353731	353801	6	220131	0.0000
CP353751	353801	2	NONE NONE	-3. 0.0000
CP353801	353831	6	NONE	0.0000
CP353831	354301	6	220131	0.0000
CP353901	353931	6	NONE	0.0000
CP353931	354301	6	220131	0.0000
CP354003	354032	6	NONE	0.0000
CP354032	354301	6	220131	0.0000
CP354101	354131	6	NONE	0.0000
CP354131	354231	6	220131	0.0000
CP354231	354301	6	220131	0.0000
CP354301	SADL44	6	NONE	0.0000
CPSADL44	354401	1	NONE	-3. 0.0000
CP354401	354001	6	NONE	0.0080
CP354001	CON055	6	NONE	0.0080
CP354002	354031	6	NONE	0.0000
CP354031	CON055	6	220131	0.0000
CP354501	354531	6	NONE	0.0000
CP354531	CON055	6	220131	0.0000
CP354602	354631	6	NONE	0.0000
CP354631	354601	6	220131	0.0000
CP354601	CON055	6	NONE	0.0000
CP354341	OUT	2	NONE 220131	-3. 0.0000
CP354641	OUT	2	NONE NONE	-3. 0.0000
CPCON055	CON056	6	NONE	0.0080
CP354701	354731	6	NONE	0.0000
CP354731	CON056	6	220131	0.0000
CP354801	354831	6	NONE	0.0000
CP354831	CON056	6	220131	0.0000
CPCON056	CON057	6	NONE	0.0080
CP354901	354931	6	NONE	0.0000

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CP354931	CON057	6		220131	0.0000
CP355001	355031	6		NONE	0.0000
CP355031	CON057	6		220131	0.0000
CP355101	355131	6		NONE	0.0000
CP355131	CON057	6		220131	0.0000
CPCON057	CON058	6		NONE	0.0230
CP507301	507331	6		NONE	0.0000
CP507331	CON058	6		220131	0.0000
CPCON058	CON060	6		NONE	0.0520
CP355201	355231	6		NONE	0.0000
CP355231	CON060	6		220131	0.0000
CP355301	355331	6		NONE	0.0000
CP355331	CON060	6		220131	0.0000
CP355401	355431	6		NONE	0.0000
CP355431	CON060	6		220131	0.0000
CP355501	355531	6		NONE	0.0000
CP355531	CON060	6		220131	0.0000
CP355601	355701	6		220131	0.0000
CP355701	355731	6		NONE	0.0000
CP355731	CON060	6		220131	0.0000
CPCON060	CON246	6		NONE	0.0440
CP355801	W12222	6		NONE	0.0000
CPW12222	CON246	6		NONE	0.0000
CPCON246	CON059	6		NONE	0.0110
CP380801	380802	6		NONE	0.0000
CP380802	380831	6		NONE	0.0000
CP380831	380803	6		220131	0.0000
CP380851	380803	2	NONE	NONE	-3. 0.0000
CP380803	384402	6		NONE	0.0000
CP384402	384403	6		NONE	0.0000
CP384403	384404	6		NONE	0.0000
CP384404	384431	6		NONE	0.0000
CP384431	384401	6		220131	0.0000
CP356031	384401	6		220131	0.0000
CP384401	357501	6		NONE	0.0000
CP356101	356131	6		NONE	0.0000
CP356131	357501	6		220131	0.0000
CP356201	356231	6		NONE	0.0000
CP356231	357501	6		220131	0.0000
CP356301	356331	6		NONE	0.0000
CP356331	357501	6		220131	0.0000
CP356501	356531	6		NONE	0.0000
CP356531	357501	6		220131	0.0000
CP356731	357501	6		220131	0.0000
CP518701	518731	6		NONE	0.0000
CP518731	357501	6		225331	0.0000
CP356802	356832	6		NONE	0.0000
CP356832	356801	6		NONE	0.0000
CP356801	356831	6		NONE	0.0000
CP356831	356901	6		225331	0.0000
CP356861	356841	2	NONE	NONE	-3. 0.0000
CP356841	OUT	2	NONE	225331	-3. 0.0000
CP356901	356931	6		NONE	0.0000
CP356931	357501	6		220131	0.0000
CP357201	357501	6		NONE	0.0000
CP357231	357501	6		220131	0.0000
CP357301	357331	6		NONE	0.0000
CP357331	357501	6		220131	0.0000
CP525501	525531	6		NONE	0.0000
CP525531	357501	6		220131	0.0000
CP357501	357801	6		NONE	0.0000
CP388031	357401	6		NONE	0.0000
CP357401	357431	6		NONE	0.0000
CP357431	357503	6		220131	0.0000
CP357502	357531	6		NONE	0.0000
CP357531	357503	6		NONE	0.0000
CP357503	357532	6		NONE	0.0000
CP357532	357504	6		220131	0.0000
CP357504	357533	6		NONE	0.0000
CP357533	357801	6		NONE	0.0000
CP357801	357901	6		NONE	0.0000
CP357803	357831	6		NONE	0.0000
CP357831	357901	6		220131	0.0000
CP357851	357901	2	NONE	NONE	-3. 0.0000
CP357852	357901	2	NONE	NONE	-3. 0.0000
CP357961	357941	2	NONE	NONE	-3. 0.0000
CP357941	OUT	2	NONE	220131	-3. 0.0000
CP357901	357802	6		NONE	0.0000
CP357802	359501	6		NONE	0.0000
CP357841	OUT	2	NONE	NONE	-3. 0.0000
CP357832	OUT	2	NONE	NONE	-3. 0.0000
CP358001	358031	6		NONE	0.0000
CP358031	359501	6		220131	0.0000
CP358002	358032	6		NONE	0.0000

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CP358032	359501	6	NONE	0.0000		
CP358101	358131	6	NONE	0.0000		
CP358131	359501	6	220131	0.0000		
CP51611	5161P1	6	NONE	0.0000		
CP5161P1	359501	6	NONE	0.0000		
CP516161	516141	2	NONE	NONE	-3.	0.0000
CP516141	OUT	2	NONE	NONE	-3.	0.0000
CP358401	358501	6	NONE	0.0000		
CP426401	426431	6	NONE	0.0000		
CP426431	541601	6	NONE	0.0000		
CP541601	541631	6	NONE	0.0000		
CP541631	358502	6	220131	0.0000		
CP358502	358532	6	NONE	0.0000		
CP358532	358501	6	220131	0.0000		
CP358501	358531	6	NONE	0.0000		
CP358441	OUT	2	NONE	220131	-3.	0.0000
CP358442	OUT	2	NONE	NONE	-3.	0.0000
CP358531	358503	6	220131	0.0000		
CP358503	358601	6	220131	0.0000		
CP358601	358631	6	NONE	0.0000		
CP358631	358701	6	220131	0.0000		
CP358701	358731	6	NONE	0.0000		
CP358731	358801	6	220131	0.0000		
CP358801	358831	6	NONE	0.0000		
CP358831	358901	6	220131	0.0000		
CP358901	358931	6	NONE	0.0000		
CP358931	359001	6	220131	0.0000		
CP359001	359031	6	NONE	0.0000		
CP359031	359501	6	220131	0.0000		
CP359201	359231	6	NONE	0.0000		
CP359231	359501	6	220131	0.0000		
CP359301	359331	6	NONE	0.0000		
CP359331	359501	6	220131	0.0000		
CP359401	359501	6	220131	0.0000		
CP359501	361901	6	NONE	0.0000		
CP359541	OUT	2	NONE	220131	-3.	0.0000
CP359701	359801	6	NONE	0.0000		
CP359801	359831	6	NONE	0.0000		
CP359831	359901	6	225331	0.0000		
CP359901	359931	6	NONE	0.0000		
CP359931	360031	6	225331	0.0000		
CP360031	360131	6	225331	0.0000		
CP360131	360231	6	225331	0.0000		
CP360231	390201	6	225331	0.0000		
CP390201	390231	6	NONE	0.0000		
CP390231	360331	6	225331	0.0000		
CP360331	360431	6	225331	0.0000		
CP360431	360531	6	225331	0.0000		
CP360531	360601	6	225331	0.0000		
CP360541	OUT	2	NONE	NONE	-3.	0.0000
CP360601	360701	6	NONE	0.0000		
CP360701	360731	6	NONE	0.0000		
CP360731	360801	6	225331	0.0000		
CP359601	359631	6	NONE	0.0000		
CP359631	360801	6	225331	0.0000		
CP360801	360831	6	NONE	0.0000		
CP360831	361101	6	225331	0.0000		
CP360901	360931	6	NONE	0.0000		
CP360931	361101	6	225331	0.0000		
CP361001	361031	6	NONE	0.0000		
CP361031	361101	6	225331	0.0000		
CP361101	361102	6	NONE	0.0000		
CP361102	361201	6	NONE	0.0000		
CP361201	361801	6	NONE	0.0000		
CP361202	361231	6	NONE	0.0000		
CP361231	361801	6	225331	0.0000		
CP361301	361331	6	NONE	0.0000		
CP361331	361401	6	225331	0.0000		
CP361401	361431	6	NONE	0.0000		
CP361431	361501	6	225331	0.0000		
CP361501	361531	6	NONE	0.0000		
CP361531	361601	6	225331	0.0000		
CP361601	361631	6	NONE	0.0000		
CP361631	361801	6	225331	0.0000		
CP361701	361731	6	NONE	0.0000		
CP361731	361801	6	225331	0.0000		
CP361802	361831	6	NONE	0.0000		
CP361831	361801	6	220131	0.0000		
CP361851	361801	2	NONE	NONE	-3.	0.0000
CP361801	361901	6	NONE	0.0000		
CP361902	361931	6	NONE	0.0000		
CP361931	361901	6	220131	0.0000		
CP361951	361901	2	NONE	NONE	-3.	0.0000
CP361941	OUT	2	NONE	220131	-3.	0.0000

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CP361901	362021	6	NONE	0.0000
CP362021	362011	6	NONE	0.0000
CP362011	W12221	6	NONE	0.0000
CPW12221	CON061	6	NONE	0.0000
CP362001	362031	6	NONE	0.0000
CP362031	CON061	6	225331	0.0000
CP362202	362232	6	NONE	0.0000
CP362232	362201	6	NONE	0.0000
CP362201	362231	6	NONE	0.0000
CP362231	CON061	6	225331	0.0000
CP362302	362331	6	NONE	0.0000
CP362301	362401	6	NONE	0.0000
CP362331	362301	6	225331	0.0000
CP362401	CON061	6	NONE	0.0000
CP362402	362302	6	225331	0.0000
CPCON061	CON059	6	NONE	0.0000
CPCON059	W12211	6	NONE	0.0000
CPW12211	515901	6	NONE	0.0000
CP284101	284131	6	NONE	0.0000
CP284131	284201	6	220131	0.0000
CP284201	284231	6	NONE	0.0000
CP284231	284602	6	NONE	0.0000
CP284602	284632	6	NONE	0.0000
CP284632	284701	6	220131	0.0000
CP284701	284731	6	NONE	0.0000
CP284301	284331	6	NONE	0.0000
CP284331	284401	6	220131	0.0000
CP284401	284431	6	NONE	0.0000
CP284431	284602	6	NONE	0.0000
CP539001	539031	6	NONE	0.0000
CP539031	284602	6	220131	0.0000
CP284501	284531	6	NONE	0.0000
CP284531	284601	6	220131	0.0000
CP284601	284631	6	NONE	0.0000
CP284631	284602	6	NONE	0.0000
CP284731	285004	6	220131	0.0000
CP285004	285003	6	NONE	0.0000
CP285003	285002	6	NONE	0.0000
CP285005	285031	6	NONE	0.0000
CP285031	285002	6	225331	0.0000
CP285002	285001	6	NONE	0.0000
CP284801	284831	6	NONE	0.0000
CP284831	284901	6	225331	0.0000
CP284901	284931	6	NONE	0.0000
CP284931	285004	6	NONE	0.0000
CP285001	285201	6	NONE	0.0000
CP285201	285202	6	NONE	0.0000
CP285202	285203	6	NONE	0.0000
CP285203	285301	6	NONE	0.0000
CP285301	285302	6	NONE	0.0000
CP285101	285131	6	NONE	0.0000
CP285131	285102	6	NONE	0.0000
CP285102	285132	6	NONE	0.0000
CP285132	285201	6	225331	0.0000
CP285302	CON084	6	NONE	0.0000
CP515901	515931	6	NONE	0.0000
CP515931	362603	6		0.0090
CP362603	362602	6	NONE	0.0000
CP362602	362701	6	NONE	0.0090
CP362701	362601	6	NONE	0.0000
CP362601	LEHS45	6	NONE	0.0090
CPLEHS45	CON080	1	NONE	-3. 0.0000
CP515951	362603	2	NONE	-3. 0.0000
CP362901	362931	6	NONE	0.0000
CP362931	CON080	6	220131	0.0000
CPCON080	363001	6	NONE	0.0000
CP363001	363101	6	NONE	0.0210
CP363101	363201	6	NONE	0.0100
CP363201	363301	6	NONE	0.0100
CP363301	363401	6	NONE	0.0410
CP363401	363501	6	NONE	0.0000
CP363501	CON081	6	NONE	0.0100
CP364201	CON081	6	NONE	0.0000
CPCON081	364601	6	NONE	0.0000
CP364601	363601	6	NONE	0.0000
CP363601	CON082	6	NONE	0.0000
CP363747	OUT	2	NONE	NONE -3. 0.0000
CP363746	OUT	2	NONE	NONE -3. 0.0000
CP363742	OUT	2	NONE	NONE -3. 0.0000
CP363741	OUT	2	NONE	225331 -3. 0.0000
CP363740	OUT	2	NONE	NONE -3. 0.0000
CP363749	OUT	2	NONE	NONE -3. 0.0000
CP363748	OUT	2	NONE	NONE -3. 0.0000
CP363745	OUT	2	NONE	NONE -3. 0.0000

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CP363744	OUT	2	NONE	NONE	-3.	0.0000
CP363743	OUT	2	NONE	NONE	-3.	0.0000
CP363701	363731	6		NONE		0.0000
CP363731	363702	6		NONE		0.0000
CP363702	363732	6		NONE		0.0000
CP363732	363703	6		NONE		0.0000
CP363703	363733	6		NONE		0.0000
CP363733	363801	6		225331		0.0000
CP363801	363831	6		NONE		0.0000
CP363831	363901	6		225331		0.0000
CP363901	364003	6		NONE		0.0000
CP364003	364033	6		NONE		0.0000
CP364033	364002	6		NONE		0.0000
CP364002	364032	6		NONE		0.0000
CP364032	364001	6		NONE		0.0000
CP364001	364031	6		NONE		0.0000
CP363941	OUT	2	NONE	225331	-3.	0.0000
CP364031	364201	6		225331		0.0000
CP364131	364201	6		225331		0.0000
CP364301	364331	6		NONE		0.0000
CP364331	364302	6		NONE		0.0000
CP364302	364332	6		NONE		0.0000
CP364332	364303	6		NONE		0.0000
CP364303	364333	6		NONE		0.0000
CP364333	364304	6		NONE		0.0000
CP364304	364334	6		NONE		0.0000
CP364334	364401	6		225331		0.0000
CP364401	364431	6		NONE		0.0000
CP364431	CON081	6		225331		0.0000
CP364532	364501	6		225331		0.0000
CP364501	364531	6		NONE		0.0000
CP364531	CON081	6		225331		0.0000
CP364702	364732	6		NONE		0.0000
CP364732	364801	6		225331		0.0000
CP364701	364731	6		NONE		0.0000
CP364731	364801	6		225331		0.0000
CP364801	CON082	6		NONE		0.0000
CP364841	OUT	2	NONE	225331	-3.	0.0000
CP364842	OUT	2	NONE	NONE	-3.	0.0000
CP365041	OUT	2	NONE	225331	-3.	0.0000
CPCON082	364802	6		NONE		0.0100
CP364802	364901	6		NONE		0.0000
CP364901	365001	6		NONE		0.0000
CP365001	365102	6		NONE		0.0100
CP365102	365201	6		NONE		0.0100
CP365201	365101	6		NONE		0.0000
CP365101	365301	6		NONE		0.0000
CP365301	365401	6		NONE		0.0100
CP365401	365402	6		NONE		0.0000
CP365402	365502	6		NONE		0.0100
CP365502	365501	6		NONE		0.0000
CP365501	365601	6		NONE		0.0210
CP365601	365701	6		NONE		0.0100
CP365701	365801	6		NONE		0.0000
CP365801	CON083	6		NONE		0.0100
CP347601	CON083	6		NONE		0.0000
CP365901	365931	6		NONE		0.0000
CP365931	366201	6		225331		0.0000
CP366201	366231	6		NONE		0.0000
CP366231	347601	6		225331		0.0000
CP366001	366002	6		NONE		0.0000
CP366002	366003	6		NONE		0.0000
CP366003	366031	6		NONE		0.0000
CP366031	366101	6		225331		0.0000
CP366101	366201	6		NONE		0.0000
CP366301	366331	6		NONE		0.0000
CP366331	347601	6		225331		0.0000
CPCON083	281421	6		NONE		0.0000
CP281421	281501	6		NONE		0.0100
CP365302	281501	6		NONE		0.0100
CP281501	281601	6		NONE		0.0000
CP281601	281502	6		NONE		0.0000
CP281502	281602	6		NONE		0.0000
CP281602	281503	6		NONE		0.0000
CP281503	281603	6		NONE		0.0000
CP281603	281701	6		NONE		0.0210
CP281701	281411	6		NONE		0.0100
CP281401	281701	6		NONE		0.0000
CP281441	OUT	2	NONE	225331	-3.	0.0000
CP281411	281801	6		NONE		0.0000
CP365303	281801	6		NONE		0.0000
CP281801	281901	6		NONE		0.0000
CP281901	282002	6		NONE		0.0100
CP282002	282001	6		NONE		0.0000

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CP282001	282101	6	NONE	0.0100
CP282101	282201	6	NONE	0.0000
CP282201	282102	6	NONE	0.0000
CP282102	282202	6	NONE	0.0000
CP282202	282103	6	NONE	0.0000
CP282103	282203	6	NONE	0.0000
CP282203	282104	6	NONE	0.0000
CP282104	282204	6	NONE	0.0000
CP282204	282105	6	NONE	0.0000
CP282105	282205	6	NONE	0.0000
CP282205	282301	6	NONE	0.0100
CP282301	282401	6	NONE	0.0000
CP282401	282501	6	NONE	0.0100
CP282501	282502	6	NONE	0.0000
CP282502	282503	6	NONE	0.0100
CP282503	282504	6	NONE	0.0000
CP282504	282601	6	NONE	0.0100
CP282601	282701	6	NONE	0.0000
CP282701	282801	6	NONE	0.0000
CP282801	282901	6	NONE	0.0100
CP282901	283001	6	NONE	0.0000
CP283001	282902	6	NONE	0.0000
CP282902	283101	6	NONE	0.0000
CP283101	283201	6	NONE	0.0100
CP283201	283102	6	NONE	0.0000
CP283102	283301	6	NONE	0.0000
CP283301	283202	6	NONE	0.0000
CP283202	283203	6	NONE	0.0000
CP283203	283401	6	NONE	0.0100
CP283401	283504	6	NONE	0.0000
CP283504	283601	6	NONE	0.0000
CP283601	283602	6	NONE	0.0000
CP283602	283503	6	NONE	0.0000
CP283503	283701	6	NONE	0.0100
CP283701	283801	6	NONE	0.0000
CP283801	283502	6	NONE	0.0000
CP283502	283702	6	NONE	0.0000
CP283702	284001	6	NONE	0.0000
CP284001	284031	6	NONE	0.0000
CP284031	283002	6	225331	0.0000
CP283002	283901	6	NONE	0.0000
CP283901	283501	6	NONE	0.0000
CP283501	283703	6	NONE	0.0000
CP283703	CON084	6	NONE	0.0100
CPCON084	285401	6	NONE	0.0000
CP285401	285501	6	NONE	0.0000
CP285501	285502	6	NONE	0.0100
CP285502	285601	6	NONE	0.0000
CP285601	285602	6	NONE	0.0100
CP285602	285701	6	NONE	0.0000
CP285701	285702	6	NONE	0.0000
CP285702	285703	6	NONE	0.0000
CP285703	285801	6	NONE	0.0100
CP285801	285802	6	NONE	0.0000
CP285802	285901	6	NONE	0.0000
CP285901	285902	6	NONE	0.0100
CP285902	285903	6	NONE	0.0000
CP285903	286001	6	NONE	0.0100
CP286001	CON085	6	NONE	0.0000
CPCON085	286002	6	NONE	0.0210
CP286002	286101	6	NONE	0.0000
CP286101	286131	6	NONE	0.0000
CP286131	CON085	6	225331	0.0000
CP286002	286003	6	NONE	0.0000
CP286003	286201	6	NONE	0.0410
CP286201	LEHM46	6	NONE	0.0000
CPLEHM46	286202	1	NONE	-3. 0.0000
CP286202	286203	6	NONE	0.0000
CP286203	286203	6	NONE	0.0000
CP286251	286203	2	NONE	-3. 0.0000
CP286203	286321	6	NONE	0.0000
CP286321	286311	6	NONE	0.0000
CP286311	286401	6	NONE	0.0000
CP286401	286501	6	NONE	0.0000
CP286501	286502	6	NONE	0.0000
CP286502	286503	6	NONE	0.0000
CP286503	286504	6	NONE	0.0000
CP286504	286402	6	NONE	0.0000
CP286402	286505	6	NONE	0.0000
CP286505	286601	6	NONE	0.0000
CP286601	286701	6	NONE	0.0010
CP286701	286801	6	NONE	0.0000
CP286801	286802	6	NONE	0.0000
CP286802	286803	6	NONE	0.0000
CP286803	382631	6	NONE	0.0010
CP382631	286901	6	NONE	0.0000

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CP286901	CON086	6	NONE	0.0000
CPCON086	287321	6	NONE	0.0000
CP287321	287311	6	NONE	0.0000
CP287311	287402	6	NONE	0.0000
CP287001	287031	6	NONE	0.0000
CP287031	287101	6	225331	0.0000
CP287101	287131	6	NONE	0.0000
CP287131	287201	6	NONE	0.0000
CP287201	287231	6	NONE	0.0000
CP287231	287102	6	NONE	0.0000
CP287102	287132	6	NONE	0.0000
CP287132	287202	6	NONE	0.0000
CP287202	287232	6	NONE	0.0000
CP287232	287103	6	NONE	0.0000
CP287103	287133	6	NONE	0.0000
CP287133	287203	6	225331	0.0000
CP287203	287233	6	NONE	0.0000
CP287233	CON086	6	NONE	0.0000
CP287402	287421	6	NONE	0.0000
CP287421	287401	6	NONE	0.0000
CP287401	287411	6	NONE	0.0000
CP287411	287431	6	NONE	0.0000
CP287431	287502	6	NONE	0.0000
CP287502	287531	6	NONE	0.0000
CP287531	287601	6	228731	0.0000
CP287601	287602	6	NONE	0.0000
CP287602	287603	6	NONE	0.0000
CP287603	287604	6	NONE	0.0000
CP287604	287702	6	NONE	0.0000
CP287702	287721	6	NONE	0.0000
CP287721	287803	6	NONE	0.0000
CP287803	287802	6	NONE	0.0000
CP287802	287901	6	NONE	0.0000
CP287901	287902	6	NONE	0.0000
CP287902	287903	6	NONE	0.0000
CP287903	CON087	6	NONE	0.0000
CP287501	287401	6	NONE	0.0000
CP287801	287904	6	NONE	0.0000
CP287904	287931	6	NONE	0.0000
CP287931	CON087	6	228731	0.0000
CPCON087	287701	6	NONE	0.0000
CP287701	287711	6	NONE	0.0000
CP287711	288002	6	NONE	0.0010
CP288002	288102	6	NONE	0.0000
CP288102	288001	6	NONE	0.0000
CP288001	288101	6	NONE	0.0000
CP288101	288206	6	NONE	0.0000
CP288206	288301	6	NONE	0.0000
CP288301	288205	6	NONE	0.0000
CP288205	288204	6	NONE	0.0000
CP288204	288203	6	NONE	0.0000
CP288203	288202	6	NONE	0.0000
CP288202	288201	6	NONE	0.0000
CP288201	288421	6	NONE	0.0000
CP288421	288411	6	NONE	0.0000
CP288411	288501	6	NONE	0.0000
CP288501	288502	6	NONE	0.0000
CP288502	288705	6	NONE	0.0020
CP288705	288704	6	NONE	0.0000
CP288704	288703	6	NONE	0.0000
CP288703	288702	6	NONE	0.0000
CP288702	288601	6	NONE	0.0000
CP288601	288701	6	NONE	0.0000
CP288701	288801	6	NONE	0.0000
CP288801	289003	6	NONE	0.0010
CP289003	289002	6	NONE	0.0000
CP289002	289001	6	NONE	0.0000
CP289001	289103	6	NONE	0.0010
CP289103	289102	6	NONE	0.0000
CP289102	289101	6	NONE	0.0000
CP289101	289202	6	NONE	0.0000
CP289202	289201	6	NONE	0.0000
CP289201	289301	6	NONE	0.0000
CP289301	289402	6	NONE	0.0000
CP289402	289401	6	NONE	0.0000
CP289401	CON088	6	NONE	0.0010
CP289503	289608	6	NONE	0.0000
CP289608	289607	6	NONE	0.0000
CP289607	289606	6	NONE	0.0000
CP289606	289605	6	NONE	0.0000
CP289605	289604	6	NONE	0.0000
CP289604	289603	6	NONE	0.0000
CP289603	289602	6	NONE	0.0000
CP289602	289601	6	NONE	0.0000

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CP289502	289501	6		NONE		0.0000
CP289501	289609	6		NONE		0.0000
CP289609	289607	6		NONE		0.0000
CP289601	289701	6		NONE		0.0000
CP289701	CON088	6		NONE		0.0000
CPCON088	289802	6		NONE		0.0020
CP289802	289801	6		NONE		0.0000
CP289801	289906	6		NONE		0.0020
CP289906	289905	6		NONE		0.0000
CP289905	289904	6		NONE		0.0000
CP289904	289903	6		NONE		0.0000
CP289903	289902	6		NONE		0.0000
CP289902	289901	6		NONE		0.0000
CP289901	290002	6		NONE		0.0000
CP290002	290001	6		NONE		0.0000
CP290001	290102	6		NONE		0.0000
CP290102	290101	6		NONE		0.0000
CP290101	LEGT47	6		NONE		0.0000
CP101762	LEGT47	2	NONE	NONE	-3.	0.0000
** Leon River at Gatesville						
**CPLEGT47	290201	1		NONE	-3.	0.0060
CPLEGT47	GTSUBS	1		NONE	-3.	
CPGTSUBS	GT-DRY	2	LEGT47	NONE	-3.	
CPGT-DRY	GT-AVG	2	LEGT47	NONE	-3.	
CPGT-AVG	GT-WET	2	LEGT47	NONE	-3.	
CPGT-WET	GTDPUL	2	LEGT47	NONE	-3.	
CPGTDPUL	GTASPL	2	LEGT47	NONE	-3.	
CPGTASPL	GTWSPL	2	LEGT47	NONE	-3.	
CPGTWSPL	290201	2	LEGT47	NONE	-3.	0.0060
**						
CP101761	290201	2	NONE	NONE	-3.	0.0000
CP290201	290302	6		NONE		0.0010
CP290302	290321	6		NONE		0.0000
CP290321	290301	6		NONE		0.0010
CP290301	290311	6		NONE		0.0000
CP290311	290402	6		NONE		0.0000
CP290402	290401	6		NONE		0.0000
CPCON089	290601	6		NONE		0.0010
CP290601	290801	6		NONE		0.0010
CP290801	281302	6		NONE		0.0000
CP281302	281301	6		NONE		0.0000
CP281301	290901	6		NONE		0.0010
CP290901	290902	6		NONE		0.0000
CP290902	291001	6		NONE		0.0000
CP291001	291101	6		NONE		0.0000
CP291101	W12212	6		NONE		0.0020
CP290501	CON089	6		NONE		0.0000
CP290701	290901	6		NONE		0.0000
CPW12202	CON090	6		NONE		0.0000
CPW12212	291401	6		NONE		0.0000
CP291401	CON090	6		NONE		0.0050
CP291521	291511	6		NONE		0.0000
CP291511	CON090	6		NONE		0.0000
CPCON090	W12201	6		NONE		0.0050
CP103511	W12201	2	NONE	NONE	-3.	0.0000
CPW12201	W12192	6		NONE		0.0000
CP291621	291611	6		NONE		0.0000
CP291611	291821	6		NONE		0.0000
CP291821	291832	6		NONE		0.0000
CP291832	291811	6		NONE		0.0000
CP291811	291831	6		NONE		0.0000
CP291831	292101	6		225331		0.0000
CP291701	291731	6		NONE		0.0000
CP291731	291821	6		225331		0.0000
CP291903	291932	6		NONE		0.0000
CP291932	291902	6		NONE		0.0000
CP291902	291931	6		NONE		0.0000
CP291931	291901	6		225331		0.0000
CP291901	292002	6		NONE		0.0000
CP292002	292031	6		NONE		0.0000
CP292031	292001	6		225331		0.0000
CP292001	292101	6		NONE		0.0000
CP292101	292102	6		NONE		0.0000
CP292102	292103	6		NONE		0.0000
CP292103	292201	6		NONE		0.0000
CP292201	292202	6		NONE		0.0000
CP292202	292301	6		NONE		0.0000
CP292301	292401	6		NONE		0.0000
CP292402	292431	6		NONE		0.0000
CP292431	292401	6		225331		0.0000
CP292401	292621	6		NONE		0.0000
CP292621	292611	6		NONE		0.0000
CP292611	292721	6		NONE		0.0000
CP292721	292711	6		NONE		0.0000

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CP292711	292801	6	NONE	0.0000
CP292801	292901	6	NONE	0.0000
CP292901	292902	6	NONE	0.0000
CP292902	292903	6	NONE	0.0000
CP292903	293001	6	NONE	0.0000
CP293001	293002	6	NONE	0.0000
CP293002	293101	6	NONE	0.0000
CP293101	293102	6	NONE	0.0000
CP293102	293103	6	NONE	0.0000
CP293103	293201	6	NONE	0.0000
CP293201	293321	6	NONE	0.0000
CP293321	293311	6	NONE	0.0000
CP293301	293311	6	NONE	0.0000
CP293311	COPI48	6	NONE	0.0000
CP293402	293401	6	NONE	0.0000
CP293401	COPI48	6	NONE	0.0000
CPCOPI48	CON092	1	NONE	-3. 0.0010
CP293503	293531	6	NONE	0.0000
CP293531	293502	6	228731	0.0000
CP293502	293501	6	NONE	0.0000
CP293501	CON092	6	NONE	0.0000
CPCON092	W12201	6	NONE	0.0050
CP100455	W12192	2	NONE	-3. 0.0000
CP022336	W12192	2	NONE	-3. 0.0000
CP022335	W12192	2	NONE	-3. 0.0000
CP022334	W12201	2	NONE	-3. 0.0000
CPW12192	293601	6	NONE	0.0000
CP293601	293602	6	NONE	0.0000
CP293602	293631	6	NONE	0.0000
CP293631	516001	6		0.0000
CP516001	516002	6	NONE	0.0000
CP516002	516031	6	NONE	0.0000
CP516031	293701	6	293631	0.0000
CP293701	P40241	6	NONE	0.0010
CPP40241	P40242	6	NONE	0.0000
CPP40242	402403	6	228731	0.0000
CP402403	LEBE49	6	NONE	0.0000
CPLEBE49	293901	1	NONE	-3. 0.0000
CP293801	293831	6	NONE	0.0000
CP293901	293801	6	NONE	0.0000
CP293831	294001	6	228731	0.0010
CP294001	294101	6	NONE	0.0000
CP294101	CON091	6	NONE	0.0000
CP293951	293801	2	NONE	-3. 0.0000
CP533001	533002	6	NONE	0.0000
CP533002	533031	6	NONE	0.0000
CP533031	533003	6	NONE	0.0000
CP533051	533003	2	NONE	-3. 0.0000
CP533003	533032	6	NONE	0.0000
CP533032	CON091	6	228731	0.0000
CPCON091	294205	6	NONE	0.0010
CP294205	CON098	6	NONE	0.0000
CPW12181	294302	6	NONE	0.0000
CP022331	294302	2	NONE	-3. 0.0000
CP103512	294302	2	NONE	-3. 0.0000
CP103513	294302	2	NONE	-3. 0.0000
CP294332	294301	6	228731	0.0000
CP294333	294301	6	228731	0.0000
CP294351	294301	2	NONE	-3. 0.0000
CP294301	294331	6	NONE	0.0000
CP294331	294302	6	228731	0.0000
CP294302	508801	6	NONE	0.0000
CP508801	508921	6	NONE	0.0000
CP508921	508911	6	NONE	0.0000
CP508911	421821	6	NONE	0.0000
CP421821	421811	6	NONE	0.0000
CP421811	421822	6	NONE	0.0000
CP421822	421812	6	NONE	0.0000
CP421812	294501	6	NONE	0.0000
CP101551	508801	2	NONE	-3. 0.0000
CP294401	294431	6	NONE	0.0000
CP294431	294501	6	228731	0.0000
CP294501	294621	6	NONE	0.0000
CP294621	294611	6	NONE	0.0000
CP294611	294721	6	NONE	0.0000
CP294721	294801	6	NONE	0.0000
CP294801	294901	6	NONE	0.0000
CP294901	294711	6	NONE	0.0000
CP294711	295002	6	NONE	0.0000
CP295002	295001	6	NONE	0.0000
CP295001	CON098	6	NONE	0.0000
CP113181	CON098	2	NONE	-3. 0.0000
CPCON098	W12182	6	NONE	0.0000
CPW12182	294204	6	NONE	0.0000

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CP294204	294203	6	NONE	0.0000
CP294203	294202	6	NONE	0.0000
CP294202	295101	6	NONE	0.0000
CP295101	294201	6	NONE	0.0000
CP294201	295221	6	NONE	0.0000
CP295221	295211	6	NONE	0.0000
CP295211	547221	6	NONE	0.0010
CP547221	295302	6	NONE	0.0000
CP295302	547211	6	NONE	0.0000
CP547211	295301	6	NONE	0.0000
CP295301	401203	6	NONE	0.0000
CP401203	P40122	6	NONE	0.0000
CPP40122	P40121	6	NONE	0.0000
CPP40121	W12191	6	NONE	0.0010
CP295261	295241	2	NONE NONE	-3. 0.0000
CP295241	OUT	2	NONE 228731	-3. 0.0000
CP295431	295401	6	225331	0.0000
CP295451	295401	2	NONE NONE	-3. 0.0000
CP295432	295401	6	NONE	0.0000
CP295452	295401	2	NONE NONE	-3. 0.0000
CP295401	295433	6	NONE	0.0000
CP295433	CON187	6	NONE	0.0000
CPW12172	CON187	6	NONE	0.0000
CP295502	295531	6	NONE	0.0000
CP295531	295501	6	225331	0.0000
CP295501	295701	6	NONE	0.0000
CP295701	CON187	6	NONE	0.0000
CPCON187	295821	6	NONE	0.0000
CP295821	295811	6	NONE	0.0000
CP295811	CON186	6	NONE	0.0000
CP295902	295901	6	NONE	0.0000
CP295901	296001	6	NONE	0.0000
CP296001	CON186	6	NONE	0.0000
CP297152	296221	2	NONE NONE	-3. 0.0000
CP297151	296221	2	NONE NONE	-3. 0.0000
CP296221	296211	6	NONE	0.0000
CP296211	296103	6	NONE	0.0000
CPCON186	296105	6	NONE	0.0000
CP296105	296104	6	NONE	0.0000
CP296104	296103	6	NONE	0.0000
CP296103	CON185	6	NONE	0.0000
CPCON185	296102	6	NONE	0.0000
CP296102	296101	6	NONE	0.0000
CP296101	CON184	6	NONE	0.0000
CP296305	296333	6	NONE	0.0000
CP296333	296332	6	NONE	0.0000
CP296332	296304	6	NONE	0.0000
CP296304	296303	6	NONE	0.0000
CP296303	296331	6	NONE	0.0000
CP296331	CON184	6	225331	0.0000
CPCON184	296302	6	NONE	0.0000
CP296302	296301	6	NONE	0.0000
CP296301	296401	6	225331	0.0000
CP296401	296503	6	NONE	0.0000
CP296503	296502	6	NONE	0.0000
CP296502	296501	6	NONE	0.0000
CP296501	CON183	6	NONE	0.0000
CP296601	296631	6	NONE	0.0000
CP296631	CON183	6	225331	0.0000
CPCON183	296701	6	NONE	0.0000
CP296701	296703	6	NONE	0.0000
CP296703	296702	6	NONE	0.0000
CP296702	296731	6	NONE	0.0000
CP296731	CON188	6	225331	0.0000
CP296831	296901	6	225331	0.0000
CP296901	296902	6	NONE	0.0000
CP296902	297001	6	NONE	0.0000
CP297001	297002	6	NONE	0.0000
CP297002	297101	6	NONE	0.0000
CP297101	297102	6	NONE	0.0000
CP297102	297201	6	NONE	0.0000
CP297201	297231	6	NONE	0.0000
CP297231	297232	6	225331	0.0000
CP297232	297401	6	NONE	0.0000
CP297301	297331	6	NONE	0.0000
CP297331	297401	6	225331	0.0000
CP297401	297501	6	NONE	0.0000
CP102051	297501	2	NONE NONE	-3. 0.0000
CP297501	297502	6	NONE	0.0000
CP297502	297601	6	NONE	0.0000
CP297601	297721	6	NONE	0.0000
CP297721	297711	6	NONE	0.0000
CP297711	297802	6	NONE	0.0000
CP297802	297801	6	NONE	0.0000

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CP297801	297831	6	NONE	0.0000
CP297831	297921	6	225331	0.0000
CP297921	297911	6	NONE	0.0000
CP297911	298001	6	NONE	0.0000
CP298001	298002	6	NONE	0.0000
CP297941	OUT	2	NONE 225331	-3. 0.0000
CP298002	298101	6	NONE	0.0000
CP298101	298102	6	NONE	0.0000
CP298102	298201	6	NONE	0.0000
CP298201	298301	6	NONE	0.0000
CP298301	298401	6	NONE	0.0000
CP298401	298501	6	NONE	0.0000
CP298501	298601	6	NONE	0.0000
CP298601	298602	6	NONE	0.0000
CP298602	298701	6	NONE	0.0000
CP298701	CON188	6	NONE	0.0000
CPCON188	298801	6	NONE	0.0000
CP298801	LAKE50	6	NONE	0.0000
** LAMPASAS RIVER NEAR KEMPNER				
**CPLAKE50	298802	1	NONE	-3. 0.0000
CPLAKE50	LASUBS	1	NONE	-3.
CPLASUBS	LA-DRY	2	LAKE50 NONE	-3.
CPLA-DRY	LA-AVG	2	LAKE50 NONE	-3.
CPLA-AVG	LA-WET	2	LAKE50 NONE	-3.
CPLA-WET	LADPUL	2	LAKE50 NONE	-3.
CPLADPUL	LAASPL	2	LAKE50 NONE	-3.
CPLAASPL	LAWSPL	2	LAKE50 NONE	-3.
CPLAWSPL	298802	2	LAKE50 NONE	-3. 0.0000
**				
CP298802	559321	6	NONE	0.0010
CP559321	559311	6	NONE	0.0000
CP559311	299021	6	NONE	0.0010
CP299021	298901	6	NONE	0.0000
CP298901	299011	6	NONE	0.0000
**** John & Ida Taylor Amendment 12-2996a, 10/16/2003, jd				
** Additional diversion point for 2996 is between 299011 and CON094				
**CP299011	CON094	6	NONE	0.0010
CP299121	299111	6	299231	0.0000
CP299111	299201	6	NONE	0.0000
CP299201	299231	6	NONE	0.0000
CP299231	299421	6		0.0000
CP299421	299411	6	NONE	0.0000
CP299411	299321	6	NONE	0.0000
CP299321	299301	6	NONE	0.0000
CP299301	299331	6	NONE	0.0000
CP299331	299302	6	NONE	0.0000
CP299302	299311	6	NONE	0.0000
CP299311	299332	6	NONE	0.0000
CP299332	CON094	6	299231	0.0000
CPCON094	299503	6	NONE	0.0000
CP299503	299502	6	NONE	0.0000
CP299502	299501	6	NONE	0.0000
CP299501	299601	6	NONE	0.0010
CP299601	559421	6	NONE	0.0000
CP559421	559411	6	NONE	0.0000
CP559411	299721	6	NONE	0.0010
CP100451	299601	2	NONE NONE	-3. 0.0000
CP299721	299711	6	NONE	0.0010
CP299711	299801	6	NONE	0.0000
CP299801	299901	6	NONE	0.0000
CP299901	299802	6	NONE	0.0000
CP299802	W12171	6	NONE	0.0010
CPW12171	300002	6	NONE	0.0000
CP300002	300001	6	NONE	0.0000
CP300001	300101	6	NONE	0.0000
CP300101	300201	6	NONE	0.0000
CP300201	LAYO51	6	NONE	0.0000
CPLAYO51	300301	1	NONE	-3. 0.0000
CP300301	W12161	6	NONE	0.0020
CPW12161	W12151	6	NONE	0.0050
CPW12162	W12151	6	NONE	0.0000
CP516101	516102	6	NONE	0.0000
CP516102	516131	6	NONE	0.0000
CP516131	300401	6		0.0010
CPW12151	516101	6	NONE	0.0000
CPP41301	4130P1	6	NONE	0.0000
CP4130P1	300401	6	NONE	0.0000
CP300401	300501	6	NONE	0.0000
CP300501	300621	6	NONE	0.0000
CP300621	300611	6	NONE	0.0000
CP300611	LABE52	6	NONE	0.0000
CPLABE52	300701	1	NONE	-3. 0.0000
CP300701	300702	6	NONE	0.0000
CP300702	300703	6	NONE	0.0000

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CP300703	300801	6		NONE	0.0000
CP300801	300704	6		NONE	0.0000
CP300704	300903	6		NONE	0.0000
CP300903	300705	6		NONE	0.0000
CP300705	300902	6		NONE	0.0000
CP300902	300901	6		NONE	0.0000
CP300901	507601	6		NONE	0.0000
CP507601	301001	6		NONE	0.0000
CP301001	P40001	6		NONE	0.0000
CPP40001	P40031	6		NONE	0.0000
CPP40031	P40021	6		NONE	0.0000
CPP40021	301101	6		NONE	0.0010
CP301101	CON095	6		NONE	0.0010
CPCON095	WL2152	6		NONE	0.0000
CPW12432	CON095	6		NONE	0.0000
CPCON096	WL2131	6		NONE	0.0000
CPW12431	301201	6		NONE	0.0000
CP301241	301261	2	NONE	299231	-3. 0.0000
CP301261	OUT	2	NONE	NONE	-3. 0.0000
CP301201	301231	6		NONE	0.0000
CP301231	301301	6		299231	0.0000
CP301301	301331	6		NONE	0.0000
CP301331	301431	6		299231	0.0000
CP301431	301401	6		299231	0.0000
CP301401	301502	6		NONE	0.0000
CP301502	301501	6		NONE	0.0000
CP301501	P37631	6		NONE	0.0000
CPP37631	376331	6		NONE	0.0000
CP376331	376302	6		299231	0.0000
CP376302	WL2432	6		NONE	0.0000
CPW12131	LRLR53	6		NONE	0.0020
CPW12191	CON096	6		NONE	0.0000
CPW12152	CON096	6		NONE	0.0000
** Little River at Little River					
**CPLRLR53	409521	1		NONE	-3. 0.0000
CPLRLR53	LRSUBS	1		NONE	-3.
CPLRSUBS	LR-DRY	2	LRLR53	NONE	-3.
CPLR-DRY	LR-AVG	2	LRLR53	NONE	-3.
CPLR-AVG	LR-WET	2	LRLR53	NONE	-3.
CPLR-WET	LRDPUL	2	LRLR53	NONE	-3.
CPLRDPUL	LRASPL	2	LRLR53	NONE	-3.
CPLRASPL	LRWSPL	2	LRLR53	NONE	-3.
CPLRWSPL	409521	2	LRLR53	NONE	-3.
**					
CP409521	409511	6		NONE	0.0000
CP409511	376201	6		NONE	0.0000
CP376201	CON110	6		NONE	0.0030
CP372602	372632	6		NONE	0.0000
CP372632	372601	6		NONE	0.0000
CP372601	372631	6		299231	0.0000
CP372631	CON099	6		299231	0.0000
CP372501	CON110	6		228731	0.0000
CPCON110	CON099	6		NONE	0.0010
CPCON099	410921	6		NONE	0.0010
CP410921	410911	6		NONE	0.0000
CP410911	P40151	6		NONE	0.0000
CPP40151	401502	6		NONE	0.0000
CP401502	401504	6		NONE	0.0000
CP401504	401503	6		NONE	0.0000
CP401503	401505	6		NONE	0.0010
CP401505	CON100	6		NONE	0.0030
CPCON100	CON101	6		NONE	0.0000
CP372701	372731	6		NONE	0.0000
CP372731	CON100	6		299231	0.0000
CP372741	OUT	2	NONE	299231	-3. 0.0000
CP372744	OUT	2	NONE	NONE	-3. 0.0000
CP372743	OUT	2	NONE	NONE	-3. 0.0000
CP372742	OUT	2	NONE	NONE	-3. 0.0000
CP372831	CON100	6		299231	0.0000
CP372751	CON100	2	NONE	NONE	-3. 0.0000
CP372901	372931	6		NONE	0.0000
CP372931	CON100	6		299231	0.0000
CP37294E	OUT	2	NONE	NONE	-3. 0.0000
CP372941	OUT	2	NONE	NONE	-3. 0.0000
CP372942	OUT	2	NONE	NONE	-3. 0.0000
CP37294B	OUT	2	NONE	NONE	-3. 0.0000
CP37294C	OUT	2	NONE	NONE	-3. 0.0000
CP37294D	OUT	2	NONE	NONE	-3. 0.0000
CP37294A	OUT	2	NONE	NONE	-3. 0.0000
CP372940	OUT	2	NONE	NONE	-3. 0.0000
CP372949	OUT	2	NONE	NONE	-3. 0.0000
CP372948	OUT	2	NONE	NONE	-3. 0.0000
CP372947	OUT	2	NONE	NONE	-3. 0.0000
CP372946	OUT	2	NONE	NONE	-3. 0.0000

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CP372943	OUT	2	NONE	NONE	-3.	0.0000
CP372945	OUT	2	NONE	NONE	-3.	0.0000
CP372944	OUT	2	NONE	NONE	-3.	0.0000
CPCON101	427901	6		NONE		0.0000
CP427901	427902	6		NONE		0.0000
CP427903	427931	6		NONE		0.0000
CP427931	427901	6		299231		0.0000
CP427951	427902	2	NONE	NONE	-3.	0.0000
CP427902	CON107	6		NONE		0.0050
CPW12511	373101	6		NONE		0.0000
CP373002	373032	6		NONE		0.0000
CP373032	373001	6		NONE		0.0000
CP373001	373031	6		NONE		0.0000
CP373031	373101	6		299231		0.0000
CP373101	W12491	6		NONE		0.0000
CP373231	W12491	6		299231		0.0000
CPW12501	373504	6		NONE		0.0000
CP373504	373503	6		NONE		0.0000
CP373503	373502	6		NONE		0.0000
CP373502	373501	6		NONE		0.0000
CP373501	373601	6		NONE		0.0000
CP373601	373701	6		NONE		0.0000
CP373701	SGGE55	6		NONE		0.0000
CPSSGGE55	W12502	1		NONE	-3.	0.0000
CPW12502	CON105	6		NONE		0.0000
CPW12491	W12481	6		NONE		0.0000
CPW12481	516201	6		NONE		0.0000
CP516201	516202	6		NONE		0.0000
CPW12492	NGGE54	6		NONE		0.0000
CP516231	W12492	6				0.0000
CP516251	NGGE54	2	NONE	NONE	-3.	0.0000
CPNGGE54	373331	1		NONE	-3.	0.0000
CP516202	516231	6		NONE		0.0000
CP373331	373332	6		299231		0.0000
CP373332	CON103	6		299231		0.0000
CP391301	391331	6		NONE		0.0000
CP391331	373403	6		299231		0.0000
CP373403	373433	6		NONE		0.0000
CP373433	373402	6		NONE		0.0000
CP373402	373432	6		NONE		0.0000
CP373432	373401	6		NONE		0.0000
CP373401	373431	6		NONE		0.0000
CP373431	CON103	6		299231		0.0000
CPCON103	CON105	6		NONE		0.0010
CPCON105	373831	6		NONE		0.0000
CP373831	GAGE56	6		299231		0.0000
CP104893	GAGE56	2	NONE	NONE	-3.	0.0000
CPGAGE56	373901	1		NONE	-3.	0.0000
CP373901	374001	6		NONE		0.0010
CP373951	374001	2	NONE	NONE	-3.	0.0000
CP374001	374101	6		NONE		0.0000
CP374101	374221	6		NONE		0.0000
CP374221	374211	6		NONE		0.0000
CP374211	CON106	6		NONE		0.0000
CPCON106	374402	6		NONE		0.0000
CP553332	553301	6		NONE		0.0000
CP553341	OUT	2	NONE	299231	-3.	0.0000
CP553351	553301	2	NONE	NONE	-3.	0.0000
CP553301	553331	6		NONE		0.0000
CP553331	374304	6		299231		0.0000
CP374304	374303	6		NONE		0.0000
CP374303	374302	6		NONE		0.0000
CP374302	374301	6		NONE		0.0000
CP374301	374202	6		NONE		0.0000
CP374202	374201	6		NONE		0.0000
CP104891	374202	2	NONE	NONE	-3.	0.0000
CP374201	CON106	6		NONE		0.0000
CP374402	374503	6		NONE		0.0000
CP374503	374502	6		NONE		0.0000
CP374502	374401	6		NONE		0.0000
CP374401	374501	6		NONE		0.0000
CP374501	374601	6		NONE		0.0010
CP104892	374601	2	NONE	NONE	-3.	0.0000
CP374601	374701	6		NONE		0.0010
CP374701	P40911	6		NONE		0.0000
CPP40911	4091P1	6		NONE		0.0000
CP4091P1	374801	6		NONE		0.0010
CP374801	W12482	6		NONE		0.0010
CPW12482	W12141	6		NONE		0.0020
CP516301	516302	6		NONE		0.0000
CP516302	516331	6		NONE		0.0000
CP516331	GALA57	6				0.0010
CPW12471	W12141	6		NONE		0.0000
CPW12472	GALA57	6		NONE		0.0000

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CPW12141	516301	6		NONE		0.0000
CP516351	GALA57	2	NONE	NONE	-3.	0.0000
CPGALA57	374905	1		NONE	-3.	0.0050
CP374905	374904	6		NONE		0.0000
CP374904	374903	6		NONE		0.0000
CP374903	374902	6		NONE		0.0000
CP374902	374901	6		NONE		0.0000
CP374901	375005	6		NONE		0.0000
CP375005	375004	6		NONE		0.0000
CP375004	375003	6		NONE		0.0000
CP375003	375002	6		NONE		0.0000
CP375002	375001	6		NONE		0.0000
CP375001	W12442	6		NONE		0.0000
CPW12442	CON102	6		NONE		0.0000
CP126441	W12441	2	NONE	NONE	-3.	0.0000
CP400751	400702	2	NONE	NONE	-3.	0.0000
CP123081	400702	2	NONE	NONE	-3.	0.0000
CP400702	400703	6		NONE		0.0000
CP400703	W12441	6		NONE		0.0000
CPW12441	375101	6		NONE		0.0000
CP397131	511831	6		299231		0.0000
CP511831	375101	6		299231		0.0000
CP102641	375101	2	NONE	NONE	-3.	0.0000
CP417131	375101	6		299231		0.0000
CP114591	375101	2	NONE	NONE	-3.	0.0000
CP375101	416621	6		NONE		0.0000
CP102642	416621	2	NONE	NONE	-3.	0.0000
CP416621	416611	6		NONE		0.0000
CP416611	CON102	6		NONE		0.0000
CP375332	375301	6		NONE		0.0000
CP375351	375301	2	NONE	NONE	-3.	0.0000
CP375301	375331	6		NONE		0.0000
CP375331	CON102	6		299231		0.0000
CP518831	375231	6		299231		0.0000
CP375231	CON102	6		299231		0.0000
CP375401	375431	6		NONE		0.0000
CP102991	CON102	2	NONE	NONE	-3.	0.0000
CP375431	CON102	6		299231		0.0000
CP375601	375503	6		NONE		0.0000
CP375505	375532	6		NONE		0.0000
CP375532	375503	6		NONE		0.0000
CP375503	375506	6		NONE		0.0000
CP375506	375533	6		NONE		0.0000
CP375533	375701	6		299231		0.0000
CP375701	375731	6		299231		0.0000
CP375731	CON102	6		299231		0.0000
CP375504	375531	6		NONE		0.0000
CP375531	375502	6		299231		0.0000
CP375502	375501	6		NONE		0.0000
CP375501	CON102	6		NONE		0.0000
CPCON102	W12142	6		NONE		0.0020
CPCON107	375801	6		NONE		0.0000
CPW12142	CON107	6		NONE		0.0000
CP375801	P42121	6		NONE		0.0020
CP421251	P42121	2	NONE	NONE	-3.	0.0000
CPP42121	375901	6		NONE		0.0010
CP421252	375901	2	NONE	NONE	-3.	0.0000
CP375901	P37611	6		NONE		0.0010
CPP37611	376102	6		NONE		0.0010
CP376102	376001	6		NONE		0.0010
CP376001	376101	6		NONE		0.0000
CP376101	376131	6		NONE		0.0000
CP376131	CON108	6		375931		0.0010
CP100041	CON108	2	NONE	NONE	-3.	0.0000
CP375941	OUT	2	NONE	375931	-3.	0.0000
CP375903	375932	6		NONE		0.0000
CP375932	375902	6		NONE		0.0000
CP375902	375931	6		NONE		0.0000
CP375931	CON108	6				0.0000
CP376231	CON108	6		375931		0.0000
CPCON108	LRCA58	6		NONE		0.0000
** Little River at Cameron						
**CPLRCA58	376301	1		NONE	-3.	0.0020
CPLRCA58	CASUBS	1		NONE	-3.	
CPCASUBS	CA-DRY	2	LRCA58	NONE	-3.	
CPCA-DRY	CA-AVG	2	LRCA58	NONE	-3.	
CPCA-AVG	CA-WET	2	LRCA58	NONE	-3.	
CPCA-WET	CADPUL	2	LRCA58	NONE	-3.	
CPCADPUL	CAASPL	2	LRCA58	NONE	-3.	
CPCAASPL	CAWSPL	2	LRCA58	NONE	-3.	
CPCAWSPL	LRCAA	2	LRCA58	NONE	-3.	
**						
CP LRCAA	LRCAB	2	LRCA58	NONE	-3.	0.0000
CP LRCAB	LRCAC	2	LRCA58	NONE	-3.	0.0000

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CP LRCAC	LRCAD	2	LRCA58	NONE	-3.	0.0000
CP LRCAD	376301	2	LRCA58	NONE	-3.	0.0020
**						
CP376301	376402	6		NONE		0.0010
CP376402	376401	6		NONE		0.0000
CP376401	376504	6		NONE		0.0000
CP376504	376503	6		NONE		0.0010
CP376503	376502	6		NONE		0.0000
CP376502	376501	6		NONE		0.0010
CP376501	376601	6		NONE		0.0000
CP376601	CON109	6		NONE		0.0010
CP522631	CON109	6		228731		0.0000
CP293851	554801	2	NONE	NONE	-3.	0.0000
CP104702	554801	2	NONE	NONE	-3.	0.0000
CP554801	CON109	6		NONE		0.0000
CP376801	376831	6		375931		0.0000
CP376831	CON109	6		375931		0.0000
CP376841	OUT	2	NONE	375931	-3.	0.0000
CP376742	OUT	2	NONE	NONE	-3.	0.0000
CP376741	OUT	2	NONE	299231	-3.	0.0000
CP376701	376731	6		NONE		0.0000
CP376731	522731	6		NONE		0.0000
CP376702	376703	6		NONE		0.0000
CP376732	376705	6		NONE		0.0000
CP376705	376735	6		NONE		0.0000
CP376735	376703	6		NONE		0.0000
CP376704	376734	6		NONE		0.0000
CP376734	376703	6		NONE		0.0000
CP376703	376733	6		NONE		0.0000
CP376733	CON109	6		299231		0.0000
CP522731	CON109	6		299231		0.0000
CPCON109	376602	6		NONE		0.0000
CP376602	376603	6		NONE		0.0000
CP376603	376604	6		NONE		0.0010
CP376604	376605	6		NONE		0.0000
CP376605	376901	6		NONE		0.0010
CP376901	507721	6		NONE		0.0000
CP507721	507711	6		NONE		0.0010
CP507711	377002	6		NONE		0.0020
CP377002	377001	6		NONE		0.0010
CP376641	OUT	2	NONE	375931	-3.	0.0000
CP377001	377102	6		NONE		0.0010
CP377103	377102	6		NONE		0.0000
CP377102	377101	6		NONE		0.0010
CP377101	377201	6		NONE		0.0000
CP377201	377307	6		NONE		0.0000
CP377307	377202	6		NONE		0.0000
CP377202	377306	6		NONE		0.0000
CP377306	377305	6		NONE		0.0010
CP377305	377203	6		NONE		0.0000
CP377203	377401	6		NONE		0.0000
CP377401	377303	6		NONE		0.0010
CP377304	377332	6		NONE		0.0000
CP377332	377303	6		375931		0.0000
CP377303	377503	6		NONE		0.0000
CP377503	377302	6		NONE		0.0000
CP377302	377502	6		NONE		0.0000
CP436902	436932	6		NONE		0.0000
CP436932	CON111	6		NONE		0.0000
CP436901	436931	6		NONE		0.0000
CP436931	436902	6		375931		0.0000
CP433901	434001	6		NONE		0.0010
CP434001	434031	6		NONE		0.0000
CP434031	BRWA41	6		228731		0.0010
CP509451	BRWA41	2	NONE	NONE	-3.	0.0000
** Brazos River near Waco						
**CPBRWA41	CON216	1		NONE	-3.	0.0000
CPBRWA41	WASUBS	1		NONE	-3.	
CPWASUBS	WA-DRY	2	BRWA41	NONE	-3.	
CPWA-DRY	WA-AVG	2	BRWA41	NONE	-3.	
CPWA-AVG	WA-WET	2	BRWA41	NONE	-3.	
CPWA-WET	WADPUL	2	BRWA41	NONE	-3.	
CPWADPUL	WAASPL	2	BRWA41	NONE	-3.	
CPWAASPL	WAWSP	2	BRWA41	NONE	-3.	
CPWAWSP	CON216	2	BRWA41	NONE	-3.	
**						
CP508541	OUT	2	NONE	228731	-3.	0.0000
CPCON216	508501	6		NONE		0.0000
CP508501	434402	6		NONE		0.0000
CP508551	434402	2	NONE	NONE	-3.	0.0000
CP508552	434402	2	NONE	NONE	-3.	0.0000
CP110711	434402	2	NONE	NONE	-3.	0.0000
CP434402	CON112	6		NONE		0.0000
CP500001	500031	6		NONE		0.0000

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CP500031	434202	6		406331		0.0000
CP012671	434202	2	NONE	NONE	-3.	0.0000
CP434202	434231	6		NONE		0.0000
CP434231	434421	6				0.0000
CP434331	434332	6		228731		0.0000
CP434332	434421	6		NONE		0.0000
CP434421	434411	6		NONE		0.0000
CP434411	CON112	6		NONE		0.0000
CPCON112	434201	6		NONE		0.0000
CP434201	434401	6		NONE		0.0000
CP434401	393603	6		NONE		0.0010
CP393603	393602	6		NONE		0.0000
CP393602	393601	6		NONE		0.0010
CP393601	CON217	6		NONE		0.0000
CP009541	434502	2	NONE	NONE	-3.	0.0000
CP009543	434502	2	NONE	NONE	-3.	0.0000
CP434502	434531	6		NONE		0.0000
CP434531	CON217	6				0.0000
CPCON217	434501	6		NONE		0.0000
** FNI change Waco reuse permit						
**CP434501	P40421	6		NONE		0.0020
CP434501	584001	6		NONE		0.0009
CP584001	P40421	6		NONE		0.0011
**						
CPP40421	P40891	6		NONE		0.0000
CPP40891	404202	6		NONE		0.0000
CP404202	P40892	6		NONE		0.0000
CPP40892	434602	6		NONE		0.0010
CP434602	434601	6		NONE		0.0000
CP434601	401421	6		NONE		0.0000
CP401421	556321	6		NONE		0.0000
CP556321	556311	6		NONE		0.0000
CP556311	559201	6		NONE		0.0000
CP559201	401321	6		NONE		0.0010
CP401321	401311	6		NONE		0.0000
CP401311	401411	6		NONE		0.0000
CP401411	CON113	6		NONE		0.0000
CP434701	434731	6		NONE		0.0000
CP434731	CON113	6		228731		0.0000
CP434801	434831	6		NONE		0.0000
CP434831	CON113	6		228731		0.0000
CP434903	434933	6		NONE		0.0000
CP434933	CON113	6		228731		0.0000
CP434902	434932	6		NONE		0.0000
CP434932	CON113	6		228731		0.0000
CP434901	434931	6		NONE		0.0000
CP434931	CON113	6		228731		0.0000
CP435001	435031	6		NONE		0.0000
CP435031	CON113	6		228731		0.0000
CP435101	435131	6		NONE		0.0000
CP435131	CON113	6		228731		0.0000
CP435201	435231	6		NONE		0.0000
CP435231	CON113	6		228731		0.0000
CP435301	435331	6		NONE		0.0000
CP435331	435401	6		228731		0.0000
CP435401	435431	6		NONE		0.0000
CP435431	CON113	6		228731		0.0000
CPCON113	401322	6		NONE		0.0000
CP401322	401312	6		NONE		0.0000
CP401312	435501	6		NONE		0.0000
CP435501	424601	6		NONE		0.0000
CP424601	P41081	6		NONE		0.0010
CP435631	P41081	6		406331		0.0000
CPP41081	P41082	6		NONE		0.0000
CP101102	P41082	2	NONE	NONE	-3.	0.0000
CPP41082	CON114	6		NONE		0.0010
CP435601	CON114	6		NONE		0.0000
CPCON114	CON115	6		NONE		0.0010
CP435731	CON115	6		406331		0.0000
CPCON115	CON116	6		NONE		0.0000
CP435553	P40781	2	NONE	NONE	-3.	0.0000
CP435503	435533	6		NONE		0.0000
CP435533	P40781	6				0.0000
CPW12424	435532	6		NONE		0.0000
CP435532	W12423	6		406331		0.0000
CP435552	435502	2	NONE	NONE	-3.	0.0000
CP435554	W12423	2	NONE	NONE	-3.	0.0000
CPW12423	435502	6		NONE		0.0000
CP435502	P40781	6		NONE		0.0000
CP435531	P40781	6		406331		0.0000
CP435551	P40781	2	NONE	NONE	-3.	0.0000
CPCON116	435801	6		NONE		0.0000
CP435801	435802	6		NONE		0.0000
CP435851	435802	2	NONE	NONE	-3.	0.0000

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CP435802	P40631	6		NONE		0.0000
CPP40631	CON218	6		NONE		0.0000
CPCON218	BRHB42	6		NONE		0.0010
CP406331	406302	6				0.0000
CP406302	BRHB42	6		NONE		0.0000
**CPBRHB42	435902	1		NONE		-3. 0.0000
** SysOp Change:						
** CP Records add/changed for BRA SOP Consensus Method IF, Highbank						
CPBRHB42	BRHBA	1		NONE		-3. 0.0000
CP BRHBA	BRHBB	2	BRHB42	NONE		-3. 0.0000
CP BRHBB	BRHBC	2	BRHB42	NONE		-3. 0.0000
CP BRHBC	BRHBD	2	BRHB42	NONE		-3. 0.0000
CP BRHBD	435902	2	BRHB42	NONE		-3. 0.0000
**						
CP435902	435901	6		NONE		0.0000
CP435901	407521	6		NONE		0.0010
CP407521	407511	6		NONE		0.0000
CP407511	P40761	6		NONE		0.0000
CPP40761	P40781	6		NONE		0.0000
CP407651	P40781	2	NONE	NONE		-3. 0.0000
CPP40781	407802	6		NONE		0.0000
CP407802	CON117	6		NONE		0.0000
CP436051	436002	2	NONE	NONE		-3. 0.0000
CP436002	436031	6		NONE		0.0000
CP436031	436001	6		228731		0.0000
CP436001	CON117	6		228731		0.0000
CP436052	CON117	2	NONE	NONE		-3. 0.0000
CPCON117	407803	6		NONE		0.0000
CP407803	P40231	6		NONE		0.0020
CP407851	P40231	2	NONE	NONE		-3. 0.0000
CPP40231	436101	6		NONE		0.0000
CP436101	436201	6		NONE		0.0000
CP436201	436302	6		NONE		0.0000
CP436302	436301	6		NONE		0.0000
CP436301	436404	6		NONE		0.0000
CP436404	436403	6		NONE		0.0000
CP436403	436402	6		NONE		0.0000
CP436402	436401	6		NONE		0.0000
CP436401	436501	6		NONE		0.0000
CP436501	436601	6		NONE		0.0000
CP436601	436702	6		NONE		0.0000
CP436702	436701	6		NONE		0.0000
CP436701	547001	6		NONE		0.0000
CP436441	OUT	2	NONE	375931		-3. 0.0000
CP547001	CON111	6		NONE		0.0010
CPCON111	W12132	6		NONE		0.0000
CPW12132	P41451	6		NONE		0.0010
CPP41451	436802	6		NONE		0.0000
CP436802	436801	6		NONE		0.0000
CP414551	436801	2	NONE	NONE		-3. 0.0000
CP436801	CON118	6		NONE		0.0020
CPCON118	P40801	6		NONE		0.0020
CPP40801	P40802	6		NONE		0.0000
CPP40802	P40803	6		NONE		0.0000
CPP40803	408004	6		NONE		0.0000
CP408004	437001	6		NONE		0.0010
CP408051	437001	2	NONE	NONE		-3. 0.0000
CP437001	437002	6		NONE		0.0000
CP437002	437102	6		NONE		0.0000
CP437003	437031	6		NONE		0.0000
CP437031	437004	6		375931		0.0000
CP437004	437032	6		NONE		0.0000
CP437032	437102	6		NONE		0.0000
CP437102	437101	6		NONE		0.0000
CP437101	437201	6		NONE		0.0000
CP437201	CON119	6		NONE		0.0020
CP437332	437331	6		375931		0.0000
CP437331	CON119	6		375931		0.0000
CP437431	CON119	6		375931		0.0000
CPCON119	CON120	6		NONE		0.0010
CP437202	437231	6		NONE		0.0000
CP437231	CON120	6		375931		0.0000
CPCON120	P53491	6		NONE		0.0000
CPP53491	CON121	6		NONE		0.0000
CP028813	436304	2	NONE	NONE		-3. 0.0000
CP511731	5326P1	6		406331		0.0000
CP5326P1	436304	6		NONE		0.0000
CP5326P2	436304	6		NONE		0.0000
CP511732	436304	6		NONE		0.0000
CP028818	436304	2	NONE	NONE		-3. 0.0000
CP028815	436304	2	NONE	NONE		-3. 0.0000
CP02881B	436304	2	NONE	NONE		-3. 0.0000
CP02881A	436304	2	NONE	NONE		-3. 0.0000
CP548231	436304	6		406331		0.0000

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CP028817	436304	2	NONE	NONE	-3.	0.0000
CP028814	436304	2	NONE	NONE	-3.	0.0000
CP028810	436304	2	NONE	NONE	-3.	0.0000
CP028811	436304	2	NONE	NONE	-3.	0.0000
CP514832	437501	6		NONE		0.0000
CP028772	437501	2	NONE	NONE	-3.	0.0000
CP437501	436304	6		NONE		0.0000
CP437503	437532	6		NONE		0.0000
CP437532	437502	6		NONE		0.0000
CP437502	437531	6		NONE		0.0000
CP437531	436304	6		406331		0.0000
CP514833	436304	6		NONE		0.0000
CP510631	436304	6		406331		0.0000
CP028812	436304	2	NONE	NONE	-3.	0.0000
CP028819	436304	2	NONE	NONE	-3.	0.0000
CP514831	436304	6		406331		0.0000
CP436304	436305	6		NONE		0.0000
CP436305	436303	6		NONE		0.0000
CP436303	436406	6		NONE		0.0000
CP436406	436405	6		NONE		0.0000
CP436405	CON121	6		NONE		0.0000
CP437601	CON121	6		NONE		0.0000
CP437733	437701	6		NONE		0.0000
CP437701	437732	6		NONE		0.0000
CP437732	437731	6		375931		0.0000
CP437731	CON121	6		NONE		0.0000
CP100462	CON121	2	NONE	NONE	-3.	0.0000
CP437831	CON121	6		375931		0.0000
CPCON121	BRBR59	6		NONE		0.0010
** Brazos River near Bryan						
**CPBRBR59	CON122	1		NONE	-3.	0.0020
CPBRBR59	BRSUBS	1		NONE	-3.	
CPBRSUBS	BR-DRY	2	BRBR59	NONE	-3.	
CPBR-DRY	BR-AVG	2	BRBR59	NONE	-3.	
CPBR-AVG	BR-WET	2	BRBR59	NONE	-3.	
CPBR-WET	BRDPUL	2	BRBR59	NONE	-3.	
CPBRDPUL	BRASPL	2	BRBR59	NONE	-3.	
CPBRASPL	BRWSPL	2	BRBR59	NONE	-3.	
CPBRWSPL	CON122	2	BRBR59	NONE	-3.	0.0020
**						
CP021173	CON122	2	NONE	NONE	-3.	0.0000
CP526801	526831	6		NONE		0.0000
CP526831	CON122	6				0.0000
CP526851	CON122	2	NONE	NONE	-3.	0.0000
CP104262	526901	2	NONE	NONE	-3.	0.0000
CP526901	526902	6		NONE		0.0000
CP526902	CON122	6		NONE		0.0000
CP038211	CON122	2	NONE	NONE	-3.	0.0000
CP527031	CON122	6		375931		0.0000
CPCON122	527101	6		NONE		0.0010
CP527101	P41281	6		375931		0.0010
CPP41281	560302	6		NONE		0.0040
CP025851	560302	2	NONE	NONE	-3.	0.0000
CP109681	560302	2	NONE	NONE	-3.	0.0000
CP560302	P40171	6		NONE		0.0020
CPP40171	401702	6		NONE		0.0010
CP401702	528511	6		NONE		0.0000
CP528511	528522	6		NONE		0.0000
CP528522	401622	6		NONE		0.0000
CP401622	CON130	6		NONE		0.0010
CP527131	527102	6		375931		0.0000
CP527102	560301	6		375931		0.0000
**CP560301	CON130	6		NONE		0.0000
** ADD NEW CP FOR P5752						
CP560301	575203	6		NONE		0.0000
CP575203	CON130	6		401041		0.0000
**						
CP003953	CON227	2	NONE	NONE	-3.	0.0000
CP003951	003952	2	NONE	NONE	-3.	0.0000
CP003952	527201	2	NONE	NONE	-3.	0.0000
CP527201	527231	6		NONE		0.0000
CP527231	527301	6				0.0000
CP527301	527331	6		NONE		
CP527331	554031	6		299231		
**CP554031	CON225	6		299231		0.0000
CP554031	554032	6		299231		0.0000
CP554032	CON225	6				0.0000
**						
CP375851	CON226	2	NONE	NONE	-3.	0.0000
CPCON226	580332	6		NONE		0.0000
CP580331	580332	6		299231		0.0000
CP580332	CON225	6		299231		0.0000
**						
CPCON225	CON224	6		NONE		0.0000

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CP003956	CON224	2	NONE	NONE	-3.	0.0000
**CP554032	CON224	6				0.0000
CP003954	CON224	2	NONE	NONE	-3.	0.0000
CP003955	CON224	2	NONE	NONE	-3.	0.0000
CP003957	CON224	2	NONE	NONE	-3.	0.0000
CP527401	527431	6		NONE		0.0000
CP527431	CON224	6		375931		0.0000
CPCON224	EYDB61	6		NONE		0.0000
CPEYDB61	CON124	1		NONE	-3.	0.0070
CP00395A	MYDB60	2	NONE	NONE	-3.	0.0000
CP003958	MYDB60	2	NONE	NONE	-3.	0.0000
CPMYDB60	CON124	1		NONE	-3.	0.0100
**CPCON124	W12121	6		NONE		0.0030
** NOTE: W12121 NEEDS TO BE ADDED IN AFTER THE STREAM EDITS ARE PROCESSED						
**CPW12121	CON125	6		NONE		0.0010
**						
CP565801	CON125	6		375931		0.0000
CP565837	CON125	6		375931		0.0000
CP565833	CON125	6		375931		0.0000
CP565836	CON124	6		375931		0.0000
CP565834	CON124	6		375931		0.0000
CPCON124	565801	6		NONE		0.0030
**						
CP527542	OUT	2	NONE	NONE	-3.	0.0000
CP527541	OUT	2	NONE	375931	-3.	0.0000
CP527502	527532	6		NONE		0.0000
CP527532	527501	6		NONE		0.0000
CP527501	527531	6		NONE		0.0000
CP527531	CON125	6		375931		0.0000
CPCON125	CON126	6		NONE		0.0020
CP527601	527631	6		NONE		0.0000
CP527631	CON126	6		375931		0.0000
CP527733	527732	6		375931		0.0000
CP527732	527731	6		375931		0.0000
CP527731	527701	6		375931		0.0000
CP527701	CON126	6		NONE		0.0000
CP527831	CON126	6		375931		0.0000
CPCON126	CON227	6		NONE		0.0010
CP527932	CON227	6		375931		0.0000
CP527931	CON227	6		375931		0.0000
CPCON227	CON128	6		NONE		0.0020
CP527933	CON128	6		375931		0.0000
CPCON128	CON228	6		NONE		0.0030
CP528001	CON228	6		NONE		0.0000
CP528051	CON228	2	NONE	NONE	-3.	0.0000
CP528041	OUT	2	NONE	375931	-3.	0.0000
CPCON228	W12111	6		NONE		0.0010
CPW12111	516402	6		NONE		0.0000
CP516402	516431	6		NONE		0.0000
CP516431	516401	6				0.0000
CP516401	W12122	6		NONE		0.0000
CPW12122	YCSO62	6		NONE		0.0010
CP516451	YCSO62	2	NONE	NONE	-3.	0.0000
**CPYCSO62	CON123	1		NONE	-3.	0.0030
** SysOp change - added control points for consensus method						
CPYCSO62	YCSOA	1		NONE	-3.	0.0000
CP YCSOA	YCSOB	2	YCSO62	NONE	-3.	0.0000
CP YCSOB	YCSOC	2	YCSO62	NONE	-3.	0.0000
CP YCSOC	YCSOD	2	YCSO62	NONE	-3.	0.0000
CP YCSOD	CON123	2	YCSO62	NONE	-3.	0.0030
**						
CP528131	CON223	6		375931		0.0000
CP528232	528231	6		NONE		0.0000
CP528231	CON223	6		375931		0.0000
CPCON223	P41401	6		NONE		0.0000
CPP41401	CON222	6		NONE		0.0000
CP414051	CON222	2	NONE	NONE	-3.	0.0000
CPCON222	CON221	6		NONE		0.0000
CP528332	CON221	6		375931		0.0000
CPCON221	CON220	6		NONE		0.0000
CP528331	CON220	6		375931		0.0000
CP528335	CON220	6		375931		0.0000
CP528336	CON220	6		375931		0.0000
CPCON220	CON219	6		NONE		0.0000
CP528333	CON219	6		375931		0.0000
CP528334	CON219	6		375931		0.0000
CPCON219	DCLY63	6		NONE		0.0000
CPDCLY63	CON123	1		NONE	-3.	0.0060
CPCON123	CON129	6		NONE		0.0040
CP528431	528401	6		375931		0.0000
CP528401	CON129	6		NONE		0.0000
CPCON129	W12112	6		NONE		0.0030
CPW12101	W12102	6		NONE		0.0000
CPW12102	W12532	6		NONE		0.0000

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CPW12532	528731	6		NONE		0.0000
CP528751	WL2102	2	NONE	NONE	-3.	0.0000
CP528731	528701	6				0.0000
CP528701	528801	6		NONE		0.0000
CP528801	528831	6		NONE		0.0000
CP528831	NAGR64	6		406331		0.0000
CPNAGR64	528931	1		NONE	-3.	0.0000
CP528931	528901	6		406331		0.0000
CP528901	CON131	6		NONE		0.0020
CP529031	529001	6		406331		0.0000
CP529001	CON131	6		NONE		0.0000
CPCON131	WL2531	6		NONE		0.0020
CPW12531	CON132	6		NONE		0.0030
CP529131	529101	6		406331		0.0000
CP529101	CON229	6		NONE		0.0000
CP529332	529331	6		406331		0.0000
CP529331	529201	6		406331		0.0000
CP529201	CON229	6		NONE		0.0000
CPCON229	CON250	6		NONE		0.0000
CP529431	CON250	6		406331		0.0000
CPCON250	WL2522	6		NONE		0.0000
CPW12522	BGFR65	6		NONE		0.0000
CPBGFR65	CON132	1		NONE	-3.	0.0000
CP529531	CON132	6		406331		0.0000
CPCON132	CON230	6		NONE		0.0010
CP024302	CON230	2	NONE	NONE	-3.	0.0000
CP024301	CON230	2	NONE	NONE	-3.	0.0000
CP024305	CON230	2	NONE	NONE	-3.	0.0000
CP02653A	CON230	2	NONE	NONE	-3.	0.0000
CP026530	CON230	2	NONE	NONE	-3.	0.0000
CP026534	CON230	2	NONE	NONE	-3.	0.0000
CP026536	CON230	2	NONE	NONE	-3.	0.0000
CP026531	CON230	2	NONE	NONE	-3.	0.0000
CP531904	531938	6		NONE		0.0000
CP531938	531907	6		NONE		0.0000
CP531905	531939	6		NONE		0.0000
CP531939	531930	6		NONE		0.0000
CP531930	531907	6		NONE		0.0000
CP531907	53193C	6		NONE		0.0000
CP53193C	CON230	6		NONE		0.0000
CP5319P1	P53192	6		NONE		0.0000
CPP53192	531934	6		NONE		0.0000
CP531934	CON230	6		NONE		0.0000
CP5319P2	CON230	6		NONE		0.0000
CP53193D	CON230	6		NONE		0.0000
CPP53191	531933	6		NONE		0.0000
CP531933	531935	6		NONE		0.0000
CP531935	CON230	6		NONE		0.0000
CP531936	CON230	6		406331		0.0000
CPCON230	CON133	6		NONE		0.0010
CP026533	CON133	2	NONE	NONE	-3.	0.0000
CP531903	531937	6		NONE		0.0000
CP531937	CON133	6		406331		0.0000
CP5319PB	CON133	6		NONE		0.0000
CP531906	5319PA	6		NONE		0.0000
CP5319PA	CON133	6		NONE		0.0000
CPCON133	WL2521	6		NONE		0.0000
CPW12092	516501	6		NONE		0.0000
CP516501	516531	6		406331		0.0000
** FNI change - for Limestone instream flow						
**CP516531	CON134	6				0.0040
CP516531	5165IF	6				0.0000
CP5165IF	CON134	6		NONE		0.0040
** end FNI change						
CPW12521	WL2092	6		NONE		0.0000
CP026532	CON134	2	NONE	NONE	-3.	0.0000
CP531908	53193E	6		NONE		0.0000
CP53193E	CON134	6		NONE		0.0000
CP536731	CON134	6		406331		0.0000
CP529731	CON134	6		406331		0.0000
CP516032	CON134	6		NONE		0.0000
CPP51601	5160P1	6		NONE		0.0000
CP5160P1	NAEA66	6		406331		0.0000
CPCON134	NAEA66	6		NONE		0.0010
** Navasota River at Easterly						
**CPNAEA66	CON135	1		NONE	-3.	0.0020
CPNAEA66	EASUBS	1		NONE	-3.	
CPEASUBS	EA-DRY	2	NAEA66	NONE	-3.	
CPEA-DRY	EA-AVG	2	NAEA66	NONE	-3.	
CPEA-AVG	EA-WET	2	NAEA66	NONE	-3.	
CPEA-WET	EADPUL	2	NAEA66	NONE	-3.	
CPEADPUL	EAASPL	2	NAEA66	NONE	-3.	
CPEAASPL	EAWSPL	2	NAEA66	NONE	-3.	
CPEAWSPL	NAEAA	2	NAEA66	NONE	-3.	

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**						
CPNAEAA	NAEAB	2	NAEA66	NONE	-3.	0.0000
CPNAEAB	NAEAC	2	NAEA66	NONE	-3.	0.0000
CPNAEAC	NAEAD	2	NAEA66	NONE	-3.	0.0000
CPNAEAD	CON135	2	NAEA66	NONE	-3.	0.0020
**						
CP019861	CON135	2	NONE	NONE	-3.	0.0000
CP529801	529831	6		NONE		0.0000
CP529831	CON135	6				0.0000
CPCON135	CON136	6		NONE		0.0010
CP529931	CON136	6		406331		0.0000
CP429601	429631	6		NONE		0.0000
CP429631	CON136	6		NONE		0.0000
CP429602	429632	6		NONE		0.0000
CP429632	CON136	6		NONE		0.0000
CP429603	429633	6		NONE		0.0000
CP429633	CON136	6		NONE		0.0000
CPCON136	CON137	6		NONE		0.0010
CP530031	530131	6		406331		0.0000
CP530131	CON137	6				0.0000
CPCON137	CON138	6		NONE		0.0020
CP530235	530231	6		NONE		0.0000
CP530231	530331	6		406331		0.0000
CP530234	530233	6		NONE		0.0000
CP530233	530232	6		NONE		0.0000
CP530232	530331	6		406331		0.0000
CP530331	CON138	6		406331		0.0000
CPCON138	NABR67	6		NONE		0.0040
CPNABR67	CON139	1		NONE	-3.	0.0030
CP530431	CON139	6		375931		0.0000
CPCON139	CON140	6		NONE		0.0040
CP530531	CON140	6		375931		0.0000
CPCON140	CON141	6		NONE		0.0030
CP530631	CON141	6		375931		0.0000
**Move control points of TMPA run-of-the-river diversion (530701) downstream of CON141						
**Change locates diversion on main stem of Navasota River						
**CPCON141	CON247	6		NONE		0.0030
CPCON141	530701	6		NONE		0.0014
**CP530701	530731	6		NONE		0.0000
**CP530731	CON247	6		375931		0.0000
CP530701	CON247	6		375931		0.0016
CPCON247	CON142	6		NONE		0.0010
CP530801	530831	6		NONE		0.0000
CP530831	P53291	6		375931		0.0000
CP013931	530931	2	NONE	NONE	-3.	0.0000
CP542201	530931	6		NONE		0.0000
CP542251	530931	2	NONE	NONE	-3.	0.0000
CP530931	P53291	6		375931		0.0000
CP104261	P53291	2	NONE	NONE	-3.	0.0000
CP535731	P53291	6		375931		0.0000
CP100241	P53291	2	NONE	NONE	-3.	0.0000
CP534532	534531	6		NONE		0.0000
CP534531	P53291	6		375931		0.0000
CP531031	P53291	6		375931		0.0000
CP53291	CON142	6		NONE		0.0000
CP532951	532903	2	NONE	NONE	-3.	0.0000
CP532903	CON142	6		NONE		0.0000
CPCON142	CON143	6		NONE		0.0020
CP532952	532931	2	NONE	NONE	-3.	0.0000
CP532902	532931	6		NONE		0.0000
CP532931	CON143	6		375931		0.0000
CP538531	CON143	6		375931		0.0000
CP508133	CON143	6		375931		0.0000
CP508132	CON143	6		375931		0.0000
CP508131	CON143	6		375931		0.0000
CP100243	CON143	2	NONE	NONE	-3.	0.0000
CPCON143	557011	6		NONE		0.0010
CP513233	557011	6		375931		0.0000
CP024605	557011	2	NONE	NONE	-3.	0.0000
CP557011	CON144	6		NONE		0.0010
CP024604	513231	2	NONE	NONE	-3.	0.0000
CP513231	513232	6		375931		0.0000
CP513232	CON144	6		375931		0.0000
CPCON144	CON146	6		NONE		0.0000
CP531431	CON146	6		375931		0.0000
CPCON146	CON145	6		NONE		0.0000
CP547301	547331	6		NONE		0.0000
CP547331	CON145	6		375931		0.0000
CP530751	CON145	2	NONE	NONE	-3.	0.0000
CP531101	531131	6		NONE		0.0000
CP531131	CON145	6				0.0000
CP531151	CON145	2	NONE	NONE	-3.	0.0000
CP021201	CON145	2	NONE	NONE	-3.	0.0000
CP531201	531231	6		NONE		0.0000

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CP531231	CON145	6		375931	0.0000
CP024601	CON145	2	NONE	NONE	-3. 0.0000
CP545801	545831	6		NONE	0.0000
CP545831	CON145	6		375931	0.0000
CP505336	505334	6		375931	0.0000
CP505334	CON145	6		375931	0.0000
CP531331	CON145	6		375931	0.0000
CP024602	505332	2	NONE	NONE	-3. 0.0000
CP505331	505333	6		375931	0.0000
CP505333	505332	6		375931	0.0000
CP505335	505332	6		375931	0.0000
CP505332	CON145	6		375931	0.0000
CP535402	535432	6		NONE	0.0000
CP535432	CON145	6		NONE	0.0000
CP024608	CON145	2	NONE	NONE	-3. 0.0000
CPP53541	535431	6		NONE	0.0000
CP535431	CON145	6		375931	0.0000
CP024603	CON145	2	NONE	NONE	-3. 0.0000
CP513201	CON145	6		NONE	0.0000
CPCON145	557021	6		NONE	0.0000
CP557021	556601	6		NONE	0.0060
CP556601	528623	6		NONE	0.0040
CP102311	528623	2	NONE	NONE	-3. 0.0000
CP556641	OUT	2	NONE	375931	-3. 0.0000
CP528623	CON231	6		NONE	0.0000
CPP40161	4016P1	6		NONE	0.0000
CP4016P1	CON231	6		NONE	0.0000
CPCON231	528613	6		NONE	0.0000
CP528613	CON147	6		NONE	0.0020
CPW12112	CON130	6		NONE	0.0000
CPCON130	401612	6		NONE	0.0000
CP401612	528521	6		NONE	0.0000
CP528521	528512	6		NONE	0.0000
CP528512	401121	6		NONE	0.0000
CP401121	401111	6		NONE	0.0000
CP401111	401621	6		NONE	0.0000
CP401621	401611	6		NONE	0.0010
CP401602	401632	6		NONE	0.0000
CP401611	CON232	6		NONE	0.0000
CP401632	401611	6		NONE	0.0000
CP401633	401611	6		NONE	0.0000
CP401603	401633	6		NONE	0.0000
CP423202	423203	6		NONE	0.0000
CP423203	423204	6		NONE	0.0000
CP423204	423231	6		NONE	0.0000
CPCON232	528621	6		NONE	0.0010
CP528621	528611	6		NONE	0.0000
CP528611	528622	6		NONE	0.0010
CP528622	528612	6		NONE	0.0000
CP528612	W12421	6		NONE	0.0010
CPCON147	W12021	6		NONE	0.0000
CPW12021	CON148	6		NONE	0.0010
CP529002	P52901	6		NONE	0.0000
CPP52901	CON148	6		375931	0.0000
CPCON148	529003	6		NONE	0.0010
CPW12421	CON147	6		NONE	0.0000
CP529041	OUT	2	NONE	375931	-3. 0.0000
CP529003	CON149	6		NONE	0.0070
CP531635	CON149	6		NONE	0.0000
CP531631	CON149	6		NONE	0.0000
CP531632	CON149	6		NONE	0.0000
CP531633	CON149	6		NONE	0.0000
CP531634	CON149	6		375931	0.0000
CP103881	CON149	2	NONE	NONE	-3. 0.0000
CP531531	529003	6			0.0000
CP561631	CON149	6		531531	0.0000
CP531731	CON150	6		375931	0.0000
CPCON149	BRHE68	6		NONE	0.0000
** Brazos River near Hempstead					
**CPBRHE68	CON150	1		NONE	-3. 0.0050
CPBRHE68	HESUBS	1		NONE	-3.
CPHESUBS	HE-DRY	2	BRHE68	NONE	-3.
CPHE-DRY	HE-AVG	2	BRHE68	NONE	-3.
CPHE-AVG	HE-WET	2	BRHE68	NONE	-3.
CPHE-WET	HEDPUL	2	BRHE68	NONE	-3.
CPHEDPUL	HEASPL	2	BRHE68	NONE	-3.
CPHEASPL	HEWSPL	2	BRHE68	NONE	-3.
CPHEWSPL	CON150	2	BRHE68	NONE	-3. 0.0050
**					
CP531831	CON150	6		375931	0.0000
CP112751	CON150	2	NONE	NONE	-3. 0.0000
CPCON150	P40091	6		NONE	0.0010
CP400951	P40091	2	NONE	NONE	-3. 0.0000
**CPP40091	now flows into CP 566502				

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**CPP40091	CON151	6	NONE	0.0060
CPP40091	566502	6	NONE	0.0000
**Application 5665, Paul Weinman (566502 and 566501) now lies between CP 400952 and CON151.				
**CP400952	CON151	2	NONE	-3. 0.0000
CP400952	566502	2	NONE	-3. 0.0000
CP103851	MCBL69	2	NONE	-3. 0.0000
CPMCBL69	CON151	1	NONE	-3. 0.0030
CPCON151	428001	6	NONE	0.0000
CP428001	516604	6	NONE	0.0060
CP026651	516604	2	NONE	-3. 0.0000
CP026241	516604	2	NONE	-3. 0.0000
CP516604	292502	6	NONE	0.0000
CP292502	292504	6	NONE	0.0000
**CP292504	CON233	6	NONE	0.0000
CP292504	2925A	6	292531	0.0000
CP 2925A	2925B	6	NONE	0.0000
CP 2925B	2925C	6	NONE	0.0000
CP 2925C	2925D	6	NONE	0.0000
CP 2925D	CON233	6	NONE	0.0000
**				
CP292553	CON233	2	NONE	-3. 0.0000
CP102761	CON233	2	NONE	-3. 0.0000
CP292501	292531	6	NONE	0.0000
CP517102	516801	6	NONE	0.0000
CP516801	516701	6	401041	0.0000
CP517101	516603	6	NONE	0.0040
CP531931	531901	6	401041	0.0000
CP532341	OUT	2	NONE	401041 -3. 0.0000
CP532501	532502	6	NONE	0.0000
CP532502	532503	6	NONE	0.0000
CP532503	532504	6	NONE	0.0000
CP532504	532505	6	NONE	0.0000
CP536604	536631	6	NONE	0.0000
CP536631	532804	6	NONE	0.0000
CP536641	OUT	2	NONE	NONE -3. 0.0000
CP536642	OUT	2	NONE	NONE -3. 0.0000
CP536662	536641	2	NONE	NONE -3. 0.0000
CP536663	536642	2	NONE	NONE -3. 0.0000
CPCON233	292503	6	NONE	0.0010
CP292503	CON153	6	NONE	0.0010
**				
CP292551	CON233	2	NONE	-3. 0.0000
CP292552	CON233	2	NONE	-3. 0.0000
CP292531	CON233	6		0.0000
CP423201	423202	6	NONE	0.0000
CPCON153	CON234	6	NONE	0.0020
CP423231	CON153	6	401041	0.0000
CP531902	531931	6	NONE	0.0000
CP531901	531932	6	NONE	0.0000
CP531951	531901	2	NONE	NONE -3. 0.0000
CP516802	516702	6	NONE	0.0000
CP531932	CON234	6	401041	0.0000
CPCON234	W12451	6	NONE	0.0000
CPW12451	516802	6	NONE	0.0000
CP516702	517101	6	NONE	0.0000
CP024431	516603	2	NONE	NONE -3. 0.0000
CP106073	516603	2	NONE	NONE -3. 0.0000
CP516603	532001	6	NONE	0.0000
CP116551	BRR170	2	NONE	NONE -3. 0.0000
CP102581	BRR170	2	NONE	NONE -3. 0.0000
** CP Records Added/Changed for P2925				
CPBRR170	BRR17A	1	NONE	-3. 0.0000
CPBRR17A	BRR17B	2	BRR170	NONE -3. 0.0000
CPBRR17B	BRR17C	2	BRR170	NONE -3. 0.0000
CPBRR17C	BRR17D	2	BRR170	NONE -3. 0.0000
**CPBRR17D	556721	2	BRR170	NONE -3. 0.0010
** SysOp Change:				
** Add dummy control points to model the Consensus Method.				
CPBRR17D	BRR1A	2	BRR170	NONE -3. 0.0000
**				
CP BRR1A	BRR1A1	2	BRR170	NONE -3. 0.0000
**				
**CP BRR1A	BRR1B	2	BRR170	NONE -3. 0.0000
CPBRR1A1	BRR1B	2	BRR170	NONE -3. 0.0000
CP BRR1B	BRR1B1	2	BRR170	NONE -3. 0.0000
CPBRR1B1	BRR1C	2	BRR170	NONE -3. 0.0000
CP BRR1C	BRR1C1	2	BRR170	NONE -3. 0.0000
CPBRR1C1	BRR1D	2	BRR170	NONE -3. 0.0000
** Brazos River at Richmond				
**CP BRR1D	556721	2	BRR170	NONE -3. 0.0010
CP BRR1D	RCSUBS	2	BRR170	NONE -3. 0.0000
CPRCSUBS	RC-DRY	2	BRR170	NONE -3. 0.0000
CPRC-DRY	RC-AVG	2	BRR170	NONE -3. 0.0000
CPRC-AVG	RC-WET	2	BRR170	NONE -3. 0.0000

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CPRC-WET	RCDPUL	2	BRR170	NONE	-3.	
CPRCDPUL	RCASPL	2	BRR170	NONE	-3.	
CPRCASPL	RCWSPL	2	BRR170	NONE	-3.	
CPRCWSPL	556721	2	BRR170	NONE	-3.	0.0010
**						
CP532001	BRR170	6		NONE		0.0020
CP556741	OUT	2	NONE	NONE	-3.	0.0000
CP556721	556711	6		NONE		0.0000
CP556711	CON235	6		NONE		0.0000
CP556751	CON235	2	NONE	NONE	-3.	0.0000
CP136281	CON154	2	NONE	NONE	-3.	0.0000
CP517301	511001	6		NONE		0.0000
CP511001	511031	6		NONE		0.0000
CP511002	CON154	6		NONE		0.0000
CP511031	511002	6	401041			0.0000
CP511032	CON154	6		NONE		0.0000
CP128332	WL2452	2	NONE	NONE	-3.	0.0000
CP113171	WL2452	2	NONE	NONE	-3.	0.0000
CP138731	WL2452	2	NONE	NONE	-3.	0.0000
CP519951	WL2452	2	NONE	NONE	-3.	0.0000
CP128331	WL2452	2	NONE	NONE	-3.	0.0000
CP519901	WL2452	6		NONE		0.0000
CP141001	WL2452	2	NONE	NONE	-3.	0.0000
CP555241	OUT	2	NONE	NONE	-3.	0.0000
CP555242	OUT	2	NONE	NONE	-3.	0.0000
CP555201	555221	6		NONE		0.0010
CP555251	555221	2	NONE	NONE	-3.	0.0000
CP555221	555211	6		NONE		0.0000
CP555211	CON237	6		NONE		0.0000
CPCON237	CON155	6		NONE		0.0000
CP516602	517102	6		NONE		0.0000
CPCON155	CON240	6		NONE		0.0010
CP516701	CON155	6		NONE		0.0000
CPCON240	516601	6		NONE		0.0000
CP516601	532201	6		NONE		0.0000
CP511551	532301	2	NONE	NONE	-3.	0.0000
CP532361	532341	2	NONE	NONE	-3.	0.0000
CP532301	CON157	6		NONE		0.0000
CP532201	532301	6		NONE		0.0020
CP560642	OUT	2	NONE	NONE	-3.	0.0000
CP560641	OUT	2	NONE	401041	-3.	0.0000
CP560602	560601	6		NONE		0.0000
CP560601	CON236	6		NONE		0.0000
CP106072	560601	2	NONE	NONE	-3.	0.0000
CP560651	CON236	2	NONE	NONE	-3.	0.0000
CPCON236	BGNE71	6		NONE		0.0000
CPBGNE71	532601	1		NONE	-3.	0.0070
CP532431	532601	6	401041			0.0000
CP010382	511501	2	NONE	NONE	-3.	0.0000
CP010384	511501	2	NONE	NONE	-3.	0.0000
CP010383	511501	2	NONE	NONE	-3.	0.0000
CP532051	532501	2	NONE	NONE	-3.	0.0000
CP010381	511501	2	NONE	NONE	-3.	0.0000
CP511501	532601	6		NONE		0.0000
CP532601	CON157	6		NONE		0.0020
CP532631	CON157	6	401041			0.0000
CP532632	CON157	6		NONE		0.0000
CP532633	CON157	6		NONE		0.0000
CP532645	OUT	2	NONE	NONE	-3.	0.0000
CP532644	OUT	2	NONE	NONE	-3.	0.0000
CP532647	OUT	2	NONE	NONE	-3.	0.0000
CP532642	OUT	2	NONE	NONE	-3.	0.0000
CP532643	OUT	2	NONE	NONE	-3.	0.0000
CP532641	OUT	2	NONE	NONE	-3.	0.0000
CP532646	OUT	2	NONE	NONE	-3.	0.0000
CPCON157	BRR072	6		NONE		0.0010
** FNI change - extend instream flows						
** Brazos River near Rosharon						
**CPBRR072	532701	1		NONE	-3.	0.0010
CPBRR072	ROSUBS	1		NONE	-3.	0.0010
CPROSUBS	RO-DRY	2	BRR072	NONE	-3.	
CPRO-DRY	RO-AVG	2	BRR072	NONE	-3.	
CPRO-AVG	RO-WET	2	BRR072	NONE	-3.	
CPRO-WET	RODPUL	2	BRR072	NONE	-3.	
CPRODPUL	ROASPL	2	BRR072	NONE	-3.	
CPROASPL	ROWSPL	2	BRR072	NONE	-3.	
CPROWSPL	532701	2	BRR072	NONE	-3.	0.0010
**						
CP000041	532701	2	NONE	NONE	-3.	0.0000
CP000042	532701	2	NONE	NONE	-3.	0.0000
CP000043	532701	2	NONE	NONE	-3.	0.0000
CP532701	532801	6		NONE		0.0030
CP549201	549231	6		NONE		0.0000
CP532801	536601	6		NONE		0.0000

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CP536501	CON158	6	NONE	0.0010
CP536601	P41051	6	NONE	0.0020
CPP41051	536501	6	NONE	0.0010
CP536531	CON158	6	401041	0.0000
CP410541	OUT	2	NONE 401041	-3. 0.0000
CP536542	OUT	2	NONE NONE	-3. 0.0000
CP536541	OUT	2	NONE 401041	-3. 0.0000
CP532841	OUT	2	NONE	-3. 0.0000
CP549231	CON158	6		0.0000
CPCON158	532901	6	NONE	0.0020
CP103121	532901	2	NONE NONE	-3. 0.0000
CP532901	533001	6	NONE	0.0000
CP533001	W12012	6	NONE	0.0000
CPW12012	532802	6	NONE	0.0000
CP532941	OUT	2	NONE 401041	-3. 0.0000
CP533041	OUT	2	NONE 401041	-3. 0.0000
CP532802	536602	6	NONE	0.0000
CP532851	532804	2	NONE NONE	-3. 0.0000
CP532842	OUT	2	NONE	-3. 0.0000
CP532862	OUT	2	NONE NONE	-3. 0.0000
CP532863	OUT	2	NONE NONE	-3. 0.0000
CP532854	532804	2	NONE NONE	-3. 0.0000
CP532804	532831	6	NONE	0.0000
CP536651	532804	2	NONE NONE	-3. 0.0000
CP536652	532804	2	NONE NONE	-3. 0.0000
CP532852	532804	2	NONE NONE	-3. 0.0000
CP536654	532804	2	NONE NONE	-3. 0.0000
** FNI change - Bryan and College Station reuse				
**CPCON238	533201	6	NONE	0.0040
CPCON238	591201	6	NONE	0.0030
CP591201	533201	6	NONE	0.0010
**				
CP536602	CON238	6	NONE	0.0020
CP532831	CON238	6	401041	0.0000
CP100471	533201	2	NONE NONE	-3. 0.0000
CP000074	533201	2	NONE NONE	-3. 0.0000
CP000072	533201	2	NONE NONE	-3. 0.0000
CP000073	533201	2	NONE NONE	-3. 0.0000
CP000071	533201	2	NONE NONE	-3. 0.0000
CP108821	533201	2	NONE NONE	-3. 0.0000
CP018522	533201	2	NONE NONE	-3. 0.0000
CP533201	W12011	6	NONE	0.0010
CPW12011	BRGM73	6	NONE	0.0000
CPBRGM73	OUT	1	NONE	-3. 0.0000
CP532531	511501	6		0.0000
CP532505	532531	6	NONE	0.0000
CP517351	511501	2	NONE NONE	-3. 0.0000
CP102582	511501	2	NONE NONE	-3. 0.0000
CP133551	010384	2	NONE NONE	-3. 0.0000
CP141401	511501	2	NONE NONE	-3. 0.0000
CPW12091	CON147	6	NONE	0.0000
CPW12452	CON237	6	NONE	0.0000
CP030151	517031	2	NONE NONE	-3. 0.0000
CP516852	517031	2	NONE NONE	-3. 0.0000
CP516751	517031	2	NONE NONE	-3. 0.0000
CP517031	516931	6	401041	0.0000
CP516931	517032	6	NONE	0.0000
CP517032	516932	6	NONE	0.0000
CP516932	517033	6	NONE	0.0000
CP517033	516933	6	NONE	0.0000
CP516933	517034	6	NONE	0.0000
CP517034	516934	6	NONE	0.0000
CP516934	004421	6	NONE	0.0000
CP517007	517035	6	NONE	0.0000
CP004421	018931	2	NONE NONE	-3. 0.0000
CP018931	004422	2	NONE NONE	-3. 0.0000
CP004422	517007	2	NONE NONE	-3. 0.0000
CP517035	516935	6	NONE	0.0000
CP516935	517037	6	NONE	0.0000
CP517036	516936	6	NONE	0.0000
CP516936	517037	6	NONE	0.0000
CP517037	516937	6	401041	0.0000
CP516937	516901	6	NONE	0.0000
CP516901	533601	6	401041	0.0000
CP533501	533531	6	NONE	0.0000
CP533531	533601	6	401041	0.0000
CP533601	533502	6	NONE	0.0000
CP533502	533532	6	NONE	0.0000
CP533641	OUT	2	NONE NONE	-3. 0.0000
CP533642	OUT	2	NONE 401041	-3. 0.0000
CP533741	OUT	2	NONE 401041	-3. 0.0000
CP533532	110461	6	NONE	0.0000
CP5365P1	138041	6	401041	0.0000
CP516851	OUT	2	NONE NONE	-3. 0.0000

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CP516752	OUT	2	NONE	NONE	-3.	0.0000
CP119991	138041	2	NONE	NONE	-3.	0.0000
CP532251	OUT	2	NONE	NONE	-3.	0.0000
CP532241	OUT	2	NONE	401041	-3.	0.0000
CP138041	536653	2	NONE	NONE	-3.	0.0000
CP532861	OUT	2	NONE	NONE	-3.	0.0000
CP536661	OUT	2	NONE	NONE	-3.	0.0000
CP532853	533821	2	NONE	NONE	-3.	0.0000
CP536653	532853	2	NONE	NONE	-3.	0.0000
CP105481	533821	2	NONE	NONE	-3.	0.0000
CP533821	532803	6		NONE		0.0000
CP533841	OUT	2	NONE	401041	-3.	0.0000
CP537931	532803	6		401041		0.0000
CP532803	532832	6		NONE		0.0000
CP532832	536603	6		401041		0.0000
CP536603	536632	6		NONE		0.0000
CP536632	533811	6		NONE		0.0000
CP533811	100441	6		NONE		0.0000
CP100441	SJGMC4	2	NONE	NONE	-3.	0.0000
CP100861	110461	2	NONE	NONE	-3.	0.0000
CP110461	138041	2	NONE	NONE	-3.	0.0000
CP532242	OUT	2	NONE	401041	-3.	0.0000
CP420101	420153	6		NONE		0.0000
CP420153	420152	2	NONE	NONE	-3.	0.0000
CP420152	420102	2	NONE	NONE	-3.	0.0000
CP420102	420151	6		NONE		0.0000
CP420151	534401	2	NONE	NONE	-3.	0.0000
CP534401	P42211	6		NONE		0.0000
CP532243	OUT	2	NONE	401041	-3.	0.0000
CP534442	OUT	2	NONE	401041	-3.	0.0000
CP534441	OUT	2	NONE	NONE	-3.	0.0000
CP534445	OUT	2	NONE	NONE	-3.	0.0000
CP534444	OUT	2	NONE	NONE	-3.	0.0000
CP534443	OUT	2	NONE	NONE	-3.	0.0000
CPP42211	422131	6		NONE		0.0000
CP422131	422151	6		NONE		0.0000
CP422151	P40101	2	NONE	NONE	-3.	0.0000
CP422141	OUT	2	NONE	401041	-3.	0.0000
CP401041	OUT	2	NONE		-3.	0.0000
CP534541	OUT	2	NONE	401041	-3.	0.0000
CP534543	OUT	2	NONE	NONE	-3.	0.0000
CP534542	OUT	2	NONE	401041	-3.	0.0000
CP534544	OUT	2	NONE	NONE	-3.	0.0000
CPP40101	534501	6		NONE		0.0000
CP534501	525651	6		NONE		0.0000
CP525651	525601	2	NONE	NONE	-3.	0.0000
CP525642	OUT	2	NONE	401041	-3.	0.0000
CP525641	OUT	2	NONE	NONE	-3.	0.0000
CP525643	OUT	2	NONE	NONE	-3.	0.0000
CP525644	OUT	2	NONE	NONE	-3.	0.0000
CP031161	000011	2	NONE	NONE	-3.	0.0000
CP525601	534601	6		NONE		0.0000
CP534601	P42162	6		NONE		0.0000
CPP42162	525652	6		NONE		0.0000
CP421603	421651	6		NONE		0.0000
CP534701	534801	6		NONE		0.0000
CP534641	OUT	2	NONE	NONE	-3.	0.0000
CP525652	421603	2	NONE	NONE	-3.	0.0000
CP421651	534701	2	NONE	NONE	-3.	0.0000
CP421641	OUT	2	NONE	401041	-3.	0.0000
CP421642	OUT	2	NONE	NONE	-3.	0.0000
CP421643	OUT	2	NONE	NONE	-3.	0.0000
CPP42161	421631	6		NONE		0.0000
CP421631	421652	6		401041		0.0000
CP421652	534801	2	NONE	NONE	-3.	0.0000
CP421541	OUT	2	NONE	401041	-3.	0.0000
CP534801	P42151	6		NONE		0.0000
CPP42151	525653	6		NONE		0.0000
CP525653	421551	2	NONE	NONE	-3.	0.0000
CP421551	CON241	2	NONE	NONE	-3.	0.0000
CP506441	OUT	2	NONE	401041	-3.	0.0000
CP506442	OUT	2	NONE	NONE	-3.	0.0000
CP506443	OUT	2	NONE	NONE	-3.	0.0000
CP506444	OUT	2	NONE	NONE	-3.	0.0000
CP506404	506401	6		NONE		0.0000
CP506401	506402	6		NONE		0.0000
CP506402	P41321	6		NONE		0.0000
CP506403	P41321	6		NONE		0.0000
CP413241	OUT	2	NONE	401041	-3.	0.0000
CPP41321	534603	6		NONE		0.0000
CP534644	OUT	2	NONE	NONE	-3.	0.0000
CP534943	OUT	2	NONE	NONE	-3.	0.0000
CP534941	OUT	2	NONE	NONE	-3.	0.0000
CP534942	OUT	2	NONE	NONE	-3.	0.0000

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CP534603	534902	6	NONE		0.0000
CP534902	534903	6	NONE		0.0000
CP534903	534931	6	NONE		0.0000
CP534931	534901	6	401041		0.0000
CP534944	OUT	2	NONE	401041	-3. 0.0000
CP534643	OUT	2	NONE	NONE	-3. 0.0000
CP534642	OUT	2	NONE	401041	-3. 0.0000
CP534901	534602	6	NONE		0.0000
CP534602	534301	6	NONE		0.0000
CP534301	CON241	6	NONE		0.0000
CPCON241	535101	6	NONE		0.0000
CP502341	OUT	2	NONE	401041	-3. 0.0000
CP535142	OUT	2	NONE	NONE	-3. 0.0000
CP535141	OUT	2	NONE	401041	-3. 0.0000
CP535101	535201	6	NONE		0.0000
CP502301	535201	6	NONE		0.0000
CP502351	535201	2	NONE	NONE	-3. 0.0000
CP535201	CON243	6	NONE		0.0000
CP535247	OUT	2	NONE	NONE	-3. 0.0000
CP535246	OUT	2	NONE	NONE	-3. 0.0000
CP535242	OUT	2	NONE	NONE	-3. 0.0000
CP535241	OUT	2	NONE	NONE	-3. 0.0000
CP535245	OUT	2	NONE	NONE	-3. 0.0000
CP535243	OUT	2	NONE	401041	-3. 0.0000
CP535244	OUT	2	NONE	401041	-3. 0.0000
CP534341	OUT	2	NONE	401041	-3. 0.0000
CP534303	534302	6	NONE		0.0000
CP534302	534331	6	NONE		0.0000
CP534331	534304	6	401041		0.0000
CP534304	502302	6	NONE		0.0000
CP502302	502352	6	NONE		0.0000
CP502352	CON242	2	NONE	NONE	-3. 0.0000
CP502041	OUT	2	NONE	401041	-3. 0.0000
CP534241	OUT	2	NONE	401041	-3. 0.0000
CP502001	534121	6	NONE		0.0000
CP534121	534201	6	NONE		0.0000
CP534201	534111	6	NONE		0.0000
CP534111	CON242	6	NONE		0.0000
CPCON242	CON243	6	NONE		0.0000
CPCON243	SJGMC4	6	NONE		0.0000
CP535301	SJGMC4	6	NONE		0.0000
CP535341	OUT	2	NONE	NONE	-3. 0.0000
CP533931	534001	6	NONE		0.0000
CP534001	534002	6	NONE		0.0000
CP534002	SJGMC4	6	NONE		0.0000
CP534042	OUT	2	NONE	NONE	-3. 0.0000
CP534041	OUT	2	NONE	NONE	-3. 0.0000
CP535401	535501	6	NONE		0.0000
CP535501	CBALC2	6	NONE		0.0000
CP535541	OUT	2	NONE	401041	-3. 0.0000
CP535601	535701	6	NONE		0.0000
CP542901	013331	6	NONE		0.0000
CP535743	OUT	2	NONE	NONE	-3. 0.0000
CP532141	OUT	2	NONE	NONE	-3. 0.0000
CP000011	013331	2	NONE	NONE	-3. 0.0000
CP542941	OUT	2	NONE	NONE	-3. 0.0000
CP535841	OUT	2	NONE	NONE	-3. 0.0000
CP013331	SJGMC4	2	NONE	NONE	-3. 0.0000
CP535901	536001	6	NONE		0.0000
CP100051	535702	2	NONE	NONE	-3. 0.0000
CP536001	535702	6	NONE		0.0000
CP535702	SJGMC4	6	NONE		0.0000
CP535742	OUT	2	NONE	401041	-3. 0.0000
CP535741	OUT	2	NONE	401041	-3. 0.0000
CP535703	SJGMC4	6	NONE		0.0000
CP034161	557401	2	NONE	NONE	-3. 0.0000
CP034162	557401	2	NONE	NONE	-3. 0.0000
CP557401	536201	6	NONE		0.0000
CP536201	101731	6	NONE		0.0000
CP536231	536202	6	401041		0.0000
CP557441	OUT	2	NONE	401041	-3. 0.0000
CP536202	101731	6	NONE		0.0000
CP101731	SJGBC3	2	NONE	NONE	-3. 0.0000
CP516841	OUT	2	NONE		-3. 0.0000
CP106271	010501	2	NONE	NONE	-3. 0.0000
CP536303	SJGBC3	6	NONE		0.0000
CP536302	SJGBC3	6	NONE		0.0000
CP517851	540051	2	NONE	NONE	-3. 0.0000
CP010501	536351	2	NONE	NONE	-3. 0.0000
CP536351	SJGBC3	2	NONE	NONE	-3. 0.0000
CP536301	SJGBC3	6	NONE		0.0000
CP012631	SJGBC3	2	NONE	NONE	-3. 0.0000
CP103751	SJGBC3	2	NONE	NONE	-3. 0.0000
CP101741	SJGMC4	2	NONE	NONE	-3. 0.0000

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CP106901	SJGMC4	2	NONE	NONE	-3.	0.0000
CP104101	SJGMC4	2	NONE	NONE	-3.	0.0000
CP010402	SJGMC4	2	NONE	NONE	-3.	0.0000
CP004432	SJGMC4	2	NONE	NONE	-3.	0.0000
CP004491	SJGMC4	2	NONE	NONE	-3.	0.0000
CP014851	SJGMC4	2	NONE	NONE	-3.	0.0000
CP026701	SJGMC4	2	NONE	NONE	-3.	0.0000
CP004431	SJGMC4	2	NONE	NONE	-3.	0.0000
CP009901	SJGMC4	2	NONE	NONE	-3.	0.0000
CP005754	SJGMC4	2	NONE	NONE	-3.	0.0000
CP005752	SJGMC4	2	NONE	NONE	-3.	0.0000
CP005753	SJGMC4	2	NONE	NONE	-3.	0.0000
CP536101	SJGMC4	6		NONE		0.0000
CP536154	SJGMC4	2	NONE	NONE	-3.	0.0000
CP536153	SJGMC4	2	NONE	NONE	-3.	0.0000
CP536152	SJGMC4	2	NONE	NONE	-3.	0.0000
CP536151	SJGMC4	2	NONE	NONE	-3.	0.0000
CP101343	CLPEC1	2	NONE	NONE	-3.	0.0000
CP122951	CLPEC1	2	NONE	NONE	-3.	0.0000
CP536941	OUT	2	NONE	401041	-3.	0.0000
CPCLPEC1	536901	1		NONE		-3.0000
CP104952	536901	2	NONE	NONE	-3.	0.0000
CP536901	536951	6		NONE		0.0000
CP536951	536402	2	NONE	NONE	-3.	0.0000
CP536402	101341	6		NONE		0.0000
CP101341	536401	2	NONE	NONE	-3.	0.0000
CP536401	101342	6		NONE		0.0000
CP104951	115711	2	NONE	NONE	-3.	0.0000
CP115711	105685	2	NONE	NONE	-3.	0.0000
CP518301	105685	6		NONE		0.0000
CP518331	518301	6		401041		0.0000
CP105201	105685	2	NONE	NONE	-3.	0.0000
CP105685	535001	2	NONE	NONE	-3.	0.0000
CP010442	010441	2	NONE	NONE	-3.	0.0000
CP535002	010444	6		NONE		0.0000
CP010444	540051	2	NONE	NONE	-3.	0.0000
CP540001	010443	6		NONE		0.0000
CP517801	101731	6		NONE		0.0000
CP105391	010441	2	NONE	NONE	-3.	0.0000
CP535001	010443	6		NONE		0.0000
CP010443	105261	2	NONE	NONE	-3.	0.0000
CP105261	105262	2	NONE	NONE	-3.	0.0000
CP105262	010442	2	NONE	NONE	-3.	0.0000
CP540051	010442	2	NONE	NONE	-3.	0.0000
CP010441	SJGBC3	2	NONE	NONE	-3.	0.0000
CP106711	SJGBC3	2	NONE	NONE	-3.	0.0000
CP540041	OUT	2	NONE	NONE	-3.	0.0000
CP540042	OUT	2	NONE	NONE	-3.	0.0000
CP540045	OUT	2	NONE	NONE	-3.	0.0000
CP540044	OUT	2	NONE	NONE	-3.	0.0000
CP540043	OUT	2	NONE	NONE	-3.	0.0000
CP540046	OUT	2	NONE	401041	-3.	0.0000
CP523043	OUT	2	NONE	NONE	-3.	0.0000
CP523042	OUT	2	NONE	NONE	-3.	0.0000
CP523041	OUT	2	NONE	401041	-3.	0.0000
CP523001	010441	6		NONE		0.0000
CP559141	OUT	2	NONE	401041	-3.	0.0000
CP021821	559101	2	NONE	NONE	-3.	0.0000
CP029151	559101	2	NONE	NONE	-3.	0.0000
CP559101	010441	6		NONE		0.0000
CP010541	SJGBC3	2	NONE	NONE	-3.	0.0000
CP010281	SJGBC3	2	NONE	NONE	-3.	0.0000
CP102061	SJGBC3	2	NONE	NONE	-3.	0.0000
CP533403	SJGMC4	6		NONE		0.0000
CP533405	548501	6		NONE		0.0000
CP022161	548501	2	NONE	NONE	-3.	0.0000
CP018711	548501	2	NONE	NONE	-3.	0.0000
CP018714	548501	2	NONE	NONE	-3.	0.0000
CP018716	548501	2	NONE	NONE	-3.	0.0000
CP019611	548501	2	NONE	NONE	-3.	0.0000
CP018611	548501	2	NONE	NONE	-3.	0.0000
CP018061	548501	2	NONE	NONE	-3.	0.0000
CP018612	548501	2	NONE	NONE	-3.	0.0000
CP018781	548501	2	NONE	NONE	-3.	0.0000
CP533331	548501	6		NONE		0.0000
CP548501	533401	6		NONE		0.0000
CP533401	533402	6		NONE		0.0000
CP533402	548502	6		NONE		0.0000
CP548502	SJGMC4	6		NONE		0.0000
CP533404	533403	6		NONE		0.0000
CPSJGMC4	OUT	1		NONE		-3.0000
CPSJGBC3	OUT	1		NONE		-3.0000
CP1B4128	OUT	2	NONE	NONE	-3.	0.0000
CP1B5287	OUT	2	NONE	NONE	-3.	0.0000

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CPIB5291	OUT	2	NONE	NONE	-3.	0.0000		
CPD34583	WL2311	6		345831		0.0000		
CPD56771	OUT	2	NONE	NONE	-3.	0.0000		
CPD53251	OUT	2	NONE	NONE	-3.	0.0000		
**								
** SysOp Change:								
** Dummy control point for modeling system operation								
** PK :								
CPSR5155	OUT	2	NONE	NONE	-3.	0.0000		
CP5155DP	OUT	2	NONE	NONE	-3.	0.0000		
** Granbury:								
CPSR5156	OUT	2	NONE	NONE	-3.	0.0000		
CP5156DP	OUT	2	NONE	NONE	-3.	0.0000		
** Whitney:								
CPSR5157	OUT	2	NONE	NONE	-3.	0.0000		
CP5157DP	OUT	2	NONE	NONE	-3.	0.0000		
** Aquila:								
CPSR5158	OUT	2	NONE	NONE	-3.	0.0000		
CP5158DP	OUT	2	NONE	NONE	-3.	0.0000		
** Proctor:								
CPSR5159	OUT	2	NONE	NONE	-3.	0.0000		
CP5159DP	OUT	2	NONE	NONE	-3.	0.0000		
** Belton:								
CPSR5160	OUT	2	NONE	NONE	-3.	0.0000		
CP5160DP	OUT	2	NONE	NONE	-3.	0.0000		
** Stillhouse Hollow:								
CPSR5161	OUT	2	NONE	NONE	-3.	0.0000		
CP5161DP	OUT	2	NONE	NONE	-3.	0.0000		
** Georgetown:								
CPSR5162	OUT	2	NONE	NONE	-3.	0.0000		
CP5162DP	OUT	2	NONE	NONE	-3.	0.0000		
** Granger:								
CPSR5163	OUT	2	NONE	NONE	-3.	0.0000		
CP5163DP	OUT	2	NONE	NONE	-3.	0.0000		
** Somerville:								
CPSR5164	OUT	2	NONE	NONE	-3.	0.0000		
CP5164DP	OUT	2	NONE	NONE	-3.	0.0000		
** Limestone:								
CPSR5165	OUT	2	NONE	NONE	-3.	0.0000		
CP5165DP	OUT	2	NONE	NONE	-3.	0.0000		
** Allens creek:								
CPSR2925	OUT	2	NONE	NONE	-3.	0.0000		
CP2925DP	OUT	2	NONE	NONE	-3.	0.0000		
**								
CPBIGFLO	OUT	2	NONE	NONE	-3.	0.0000		
CPPK_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
CPGB_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
CPPR_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
CPWH_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
CPAQ_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
CPBE_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
CPSH_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
CPGT_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
CPGR_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
CPSO_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
CPLS_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
CPAC_dum	OUT	2	NONE	NONE	-3.	0.0000	1	9999999
** Pipelines								
CPSHGTP1	OUT	2	NONE	NONE	-3.	0.0000		
CPDUMBEL	OUT	2	NONE	NONE	-3.	0.0000		
CPGNGTPI	OUT	2	NONE	NONE	-3.	0.0000		
** dummy control points for Lake Alcoa & Gibbons Creek backup								
CPAL_DUM	OUT	2	NONE	NONE	-3.	0.0000		
CPGIBLIM	OUT	2	NONE	NONE	-3.	0.0000		
CPDUMGIB	OUT	2	NONE	NONE	-3.	0.0000		
**								
** dummy for Allens Creek monthly pumping limit								
CPAC_LIM	OUT	2	NONE	NONE	-3.	0.0000		
**								
** EFLOW CPS DOUBLE MOUNTAIN FORK								
CPFAKE01	OUT	2	NONE	NONE	-3.			
CPFKDM01	OUT	2	NONE	NONE	-3.			
CPFKDM02	OUT	2	NONE	NONE	-3.			
CPFKDM03	OUT	2	NONE	NONE	-3.			
CPFKDM04	OUT	2	NONE	NONE	-3.			
CPFKDM05	OUT	2	NONE	NONE	-3.			
CPFKDM06	OUT	2	NONE	NONE	-3.			
CPFKDM07	OUT	2	NONE	NONE	-3.			
CPFKDM08	OUT	2	NONE	NONE	-3.			
CPFKDM09	OUT	2	NONE	NONE	-3.			
CPFKDM10	OUT	2	NONE	NONE	-3.			
CPFKDM11	OUT	2	NONE	NONE	-3.			
CPFKDM12	OUT	2	NONE	NONE	-3.			
CPDMPND	OUT	2	NONE	NONE	-3.			

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CPDMAFND	OUT	2	NONE	NONE	-3.
CPDMWFND	OUT	2	NONE	NONE	-3.
CPDAYSPY	OUT	2	NONE	NONE	-3.
CP HALF	OUT	2	NONE	NONE	-3.
**					
CPUP-DRY	OUT	2	NONE	NONE	-3.
CPUP-AVG	OUT	2	NONE	NONE	-3.
CPUP-WET	OUT	2	NONE	NONE	-3.
CPMIDDRY	OUT	2	NONE	NONE	-3.
CPMIDAVG	OUT	2	NONE	NONE	-3.
CPMIDWET	OUT	2	NONE	NONE	-3.
CPLOWDRY	OUT	2	NONE	NONE	-3.
CPLOWAVG	OUT	2	NONE	NONE	-3.
CPLOWWET	OUT	2	NONE	NONE	-3.
CPDMNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS SALT FORK NEAR ASPERMONT					
CPFAKE02	OUT	2	NONE	NONE	-3.
CPFKSF01	OUT	2	NONE	NONE	-3.
CPFKSF02	OUT	2	NONE	NONE	-3.
CPFKSF03	OUT	2	NONE	NONE	-3.
CPFKSF04	OUT	2	NONE	NONE	-3.
CPFKSF05	OUT	2	NONE	NONE	-3.
CPFKSF06	OUT	2	NONE	NONE	-3.
CPFKSF07	OUT	2	NONE	NONE	-3.
CPFKSF08	OUT	2	NONE	NONE	-3.
CPFKSF09	OUT	2	NONE	NONE	-3.
CPFKSF10	OUT	2	NONE	NONE	-3.
CPFKSF11	OUT	2	NONE	NONE	-3.
CPFKSF12	OUT	2	NONE	NONE	-3.
CPSFDFND	OUT	2	NONE	NONE	-3.
CPSFAPND	OUT	2	NONE	NONE	-3.
CPSFWFND	OUT	2	NONE	NONE	-3.
CPSFNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT SEYMOUR					
CPFAKE03	OUT	2	NONE	NONE	-3.
CPFKSM01	OUT	2	NONE	NONE	-3.
CPFKSM02	OUT	2	NONE	NONE	-3.
CPFKSM03	OUT	2	NONE	NONE	-3.
CPFKSM04	OUT	2	NONE	NONE	-3.
CPFKSM05	OUT	2	NONE	NONE	-3.
CPFKSM06	OUT	2	NONE	NONE	-3.
CPFKSM07	OUT	2	NONE	NONE	-3.
CPFKSM08	OUT	2	NONE	NONE	-3.
CPFKSM09	OUT	2	NONE	NONE	-3.
CPFKSM10	OUT	2	NONE	NONE	-3.
CPFKSM11	OUT	2	NONE	NONE	-3.
CPFKSM12	OUT	2	NONE	NONE	-3.
CPSMDFND	OUT	2	NONE	NONE	-3.
CPSMAFND	OUT	2	NONE	NONE	-3.
CPSMWFND	OUT	2	NONE	NONE	-3.
CPSMNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS CLEAR FORK AT NUGENT					
CPFAKE04	OUT	2	NONE	NONE	-3.
CPFKNU01	OUT	2	NONE	NONE	-3.
CPFKNU02	OUT	2	NONE	NONE	-3.
CPFKNU03	OUT	2	NONE	NONE	-3.
CPFKNU04	OUT	2	NONE	NONE	-3.
CPFKNU05	OUT	2	NONE	NONE	-3.
CPFKNU06	OUT	2	NONE	NONE	-3.
CPFKNU07	OUT	2	NONE	NONE	-3.
CPFKNU08	OUT	2	NONE	NONE	-3.
CPFKNU09	OUT	2	NONE	NONE	-3.
CPFKNU10	OUT	2	NONE	NONE	-3.
CPFKNU11	OUT	2	NONE	NONE	-3.
CPFKNU12	OUT	2	NONE	NONE	-3.
CPFKNU13	OUT	2	NONE	NONE	-3.
CPNUDFND	OUT	2	NONE	NONE	-3.
CPNUAFND	OUT	2	NONE	NONE	-3.
CPNUWFND	OUT	2	NONE	NONE	-3.
CPNUNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS CLEAR FORK AT LUEDERS					
CPFAKE05	OUT	2	NONE	NONE	-3.
CPFKLU01	OUT	2	NONE	NONE	-3.
CPFKLU02	OUT	2	NONE	NONE	-3.
CPFKLU03	OUT	2	NONE	NONE	-3.
CPFKLU04	OUT	2	NONE	NONE	-3.
CPFKLU05	OUT	2	NONE	NONE	-3.
CPFKLU06	OUT	2	NONE	NONE	-3.
CPFKLU07	OUT	2	NONE	NONE	-3.
CPFKLU08	OUT	2	NONE	NONE	-3.
CPFKLU09	OUT	2	NONE	NONE	-3.
CPFKLU10	OUT	2	NONE	NONE	-3.
CPFKLU11	OUT	2	NONE	NONE	-3.
CPFKLU12	OUT	2	NONE	NONE	-3.

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CPFKLU13	OUT	2	NONE	NONE	-3.
CPLUDFND	OUT	2	NONE	NONE	-3.
CPLUAFND	OUT	2	NONE	NONE	-3.
CPLUWFND	OUT	2	NONE	NONE	-3.
CPLUNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT SOUTH BEND					
CPFAKE06	OUT	2	NONE	NONE	-3.
CPFKSB01	OUT	2	NONE	NONE	-3.
CPFKSB02	OUT	2	NONE	NONE	-3.
CPFKSB03	OUT	2	NONE	NONE	-3.
CPFKSB04	OUT	2	NONE	NONE	-3.
CPFKSB05	OUT	2	NONE	NONE	-3.
CPFKSB06	OUT	2	NONE	NONE	-3.
CPFKSB07	OUT	2	NONE	NONE	-3.
CPFKSB08	OUT	2	NONE	NONE	-3.
CPFKSB09	OUT	2	NONE	NONE	-3.
CPFKSB10	OUT	2	NONE	NONE	-3.
CPFKSB11	OUT	2	NONE	NONE	-3.
CPFKSB12	OUT	2	NONE	NONE	-3.
CPSBDFND	OUT	2	NONE	NONE	-3.
CPSBAFND	OUT	2	NONE	NONE	-3.
CPSBWFND	OUT	2	NONE	NONE	-3.
CPSBNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT PALO PINTO					
CPFAKE07	OUT	2	NONE	NONE	-3.
CPFKPP01	OUT	2	NONE	NONE	-3.
CPFKPP02	OUT	2	NONE	NONE	-3.
CPFKPP03	OUT	2	NONE	NONE	-3.
CPFKPP04	OUT	2	NONE	NONE	-3.
CPFKPP05	OUT	2	NONE	NONE	-3.
CPFKPP06	OUT	2	NONE	NONE	-3.
CPFKPP07	OUT	2	NONE	NONE	-3.
CPFKPP08	OUT	2	NONE	NONE	-3.
CPFKPP09	OUT	2	NONE	NONE	-3.
CPFKPP10	OUT	2	NONE	NONE	-3.
CPFKPP11	OUT	2	NONE	NONE	-3.
CPFKPP12	OUT	2	NONE	NONE	-3.
CPFKPP13	OUT	2	NONE	NONE	-3.
CPFKPP14	OUT	2	NONE	NONE	-3.
CPFKPP15	OUT	2	NONE	NONE	-3.
CPFKPP16	OUT	2	NONE	NONE	-3.
CPFKPP17	OUT	2	NONE	NONE	-3.
CPFKPP18	OUT	2	NONE	NONE	-3.
CPFKPP19	OUT	2	NONE	NONE	-3.
CPFKPP20	OUT	2	NONE	NONE	-3.
CPFKPP21	OUT	2	NONE	NONE	-3.
CPPDPFND	OUT	2	NONE	NONE	-3.
CPPPASPD	OUT	2	NONE	NONE	-3.
CPPPALPD	OUT	2	NONE	NONE	-3.
CPPPWSPD	OUT	2	NONE	NONE	-3.
CPPPWLPD	OUT	2	NONE	NONE	-3.
CPPPNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT GLEN ROSE					
CPFAKE08	OUT	2	NONE	NONE	-3.
CPFKGR01	OUT	2	NONE	NONE	-3.
CPFKGR02	OUT	2	NONE	NONE	-3.
CPFKGR03	OUT	2	NONE	NONE	-3.
CPFKGR04	OUT	2	NONE	NONE	-3.
CPFKGR05	OUT	2	NONE	NONE	-3.
CPFKGR06	OUT	2	NONE	NONE	-3.
CPFKGR07	OUT	2	NONE	NONE	-3.
CPFKGR08	OUT	2	NONE	NONE	-3.
CPFKGR09	OUT	2	NONE	NONE	-3.
CPFKGR10	OUT	2	NONE	NONE	-3.
CPFKGR11	OUT	2	NONE	NONE	-3.
CPFKGR12	OUT	2	NONE	NONE	-3.
CPFKGR13	OUT	2	NONE	NONE	-3.
CPFKGR14	OUT	2	NONE	NONE	-3.
CPFKGR15	OUT	2	NONE	NONE	-3.
CPFKGR16	OUT	2	NONE	NONE	-3.
CPFKGR17	OUT	2	NONE	NONE	-3.
CPFKGR18	OUT	2	NONE	NONE	-3.
CPFKGR19	OUT	2	NONE	NONE	-3.
CPFKGR20	OUT	2	NONE	NONE	-3.
CPFKGR21	OUT	2	NONE	NONE	-3.
CPGRDFND	OUT	2	NONE	NONE	-3.
CPGRASPD	OUT	2	NONE	NONE	-3.
CPGRALPD	OUT	2	NONE	NONE	-3.
CPGRWSPD	OUT	2	NONE	NONE	-3.
CPGRWLPD	OUT	2	NONE	NONE	-3.
CPGRNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS NORTH BOSQUE NEAR CLIFTON					
CPFAKE09	OUT	2	NONE	NONE	-3.
CPFKNB01	OUT	2	NONE	NONE	-3.

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CPFKNB02	OUT	2	NONE	NONE	-3.
CPFKNB03	OUT	2	NONE	NONE	-3.
CPFKNB04	OUT	2	NONE	NONE	-3.
CPFKNB05	OUT	2	NONE	NONE	-3.
CPFKNB06	OUT	2	NONE	NONE	-3.
CPFKNB07	OUT	2	NONE	NONE	-3.
CPFKNB08	OUT	2	NONE	NONE	-3.
CPFKNB09	OUT	2	NONE	NONE	-3.
CPFKNB10	OUT	2	NONE	NONE	-3.
CPFKNB11	OUT	2	NONE	NONE	-3.
CPFKNB12	OUT	2	NONE	NONE	-3.
CPFKNB13	OUT	2	NONE	NONE	-3.
CPNBDFND	OUT	2	NONE	NONE	-3.
CPNBAPND	OUT	2	NONE	NONE	-3.
CPNBWFND	OUT	2	NONE	NONE	-3.
CPNBNOSE	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT WACO					
CPFAKE10	OUT	2	NONE	NONE	-3.
CPFKWA01	OUT	2	NONE	NONE	-3.
CPFKWA02	OUT	2	NONE	NONE	-3.
CPFKWA03	OUT	2	NONE	NONE	-3.
CPFKWA04	OUT	2	NONE	NONE	-3.
CPFKWA05	OUT	2	NONE	NONE	-3.
CPFKWA06	OUT	2	NONE	NONE	-3.
CPFKWA07	OUT	2	NONE	NONE	-3.
CPFKWA08	OUT	2	NONE	NONE	-3.
CPFKWA09	OUT	2	NONE	NONE	-3.
CPFKWA10	OUT	2	NONE	NONE	-3.
CPFKWA11	OUT	2	NONE	NONE	-3.
CPFKWA12	OUT	2	NONE	NONE	-3.
CPFKWA13	OUT	2	NONE	NONE	-3.
CPWADFND	OUT	2	NONE	NONE	-3.
CPWAASPD	OUT	2	NONE	NONE	-3.
CPWAWSPD	OUT	2	NONE	NONE	-3.
CPWANOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS LEON RIVER AT GATESVILLE					
CPFAKE11	OUT	2	NONE	NONE	-3.
CPFKGT01	OUT	2	NONE	NONE	-3.
CPFKGT02	OUT	2	NONE	NONE	-3.
CPFKGT03	OUT	2	NONE	NONE	-3.
CPFKGT04	OUT	2	NONE	NONE	-3.
CPFKGT05	OUT	2	NONE	NONE	-3.
CPFKGT06	OUT	2	NONE	NONE	-3.
CPFKGT07	OUT	2	NONE	NONE	-3.
CPFKGT08	OUT	2	NONE	NONE	-3.
CPFKGT09	OUT	2	NONE	NONE	-3.
CPFKGT10	OUT	2	NONE	NONE	-3.
CPFKGT11	OUT	2	NONE	NONE	-3.
CPFKGT12	OUT	2	NONE	NONE	-3.
CPFKGT13	OUT	2	NONE	NONE	-3.
CPGTFDND	OUT	2	NONE	NONE	-3.
CPGTASPD	OUT	2	NONE	NONE	-3.
CPGTWSPD	OUT	2	NONE	NONE	-3.
CPGTNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS LAMPASAS RIVER NEAR KEMPNER					
CPFAKE12	OUT	2	NONE	NONE	-3.
CPFKLA01	OUT	2	NONE	NONE	-3.
CPFKLA02	OUT	2	NONE	NONE	-3.
CPFKLA03	OUT	2	NONE	NONE	-3.
CPFKLA04	OUT	2	NONE	NONE	-3.
CPFKLA05	OUT	2	NONE	NONE	-3.
CPFKLA06	OUT	2	NONE	NONE	-3.
CPFKLA07	OUT	2	NONE	NONE	-3.
CPFKLA08	OUT	2	NONE	NONE	-3.
CPFKLA09	OUT	2	NONE	NONE	-3.
CPFKLA10	OUT	2	NONE	NONE	-3.
CPFKLA11	OUT	2	NONE	NONE	-3.
CPFKLA12	OUT	2	NONE	NONE	-3.
CPFKLA13	OUT	2	NONE	NONE	-3.
CPPLADFND	OUT	2	NONE	NONE	-3.
CPPLAAFND	OUT	2	NONE	NONE	-3.
CPPLAWFND	OUT	2	NONE	NONE	-3.
CPPLANOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS LITTLE RIVER NEAR LITTLE RIVER					
CPFAKE13	OUT	2	NONE	NONE	-3.
CPFKLR01	OUT	2	NONE	NONE	-3.
CPFKLR02	OUT	2	NONE	NONE	-3.
CPFKLR03	OUT	2	NONE	NONE	-3.
CPFKLR04	OUT	2	NONE	NONE	-3.
CPFKLR05	OUT	2	NONE	NONE	-3.
CPFKLR06	OUT	2	NONE	NONE	-3.
CPFKLR07	OUT	2	NONE	NONE	-3.
CPFKLR08	OUT	2	NONE	NONE	-3.
CPFKLR09	OUT	2	NONE	NONE	-3.

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CPFKLR10	OUT	2	NONE	NONE	-3.
CPFKLR11	OUT	2	NONE	NONE	-3.
CPFKLR12	OUT	2	NONE	NONE	-3.
CPFKLR13	OUT	2	NONE	NONE	-3.
CPLRDPND	OUT	2	NONE	NONE	-3.
CPLRASPD	OUT	2	NONE	NONE	-3.
CPLRWSPD	OUT	2	NONE	NONE	-3.
CPLRNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS LITTLE RIVER NEAR CAMERON					
CPFAKE14	OUT	2	NONE	NONE	-3.
CPFKCA01	OUT	2	NONE	NONE	-3.
CPFKCA02	OUT	2	NONE	NONE	-3.
CPFKCA03	OUT	2	NONE	NONE	-3.
CPFKCA04	OUT	2	NONE	NONE	-3.
CPFKCA05	OUT	2	NONE	NONE	-3.
CPFKCA06	OUT	2	NONE	NONE	-3.
CPFKCA07	OUT	2	NONE	NONE	-3.
CPFKCA08	OUT	2	NONE	NONE	-3.
CPFKCA09	OUT	2	NONE	NONE	-3.
CPFKCA10	OUT	2	NONE	NONE	-3.
CPFKCA11	OUT	2	NONE	NONE	-3.
CPFKCA12	OUT	2	NONE	NONE	-3.
CPFKCA13	OUT	2	NONE	NONE	-3.
CPCADPND	OUT	2	NONE	NONE	-3.
CPCAASPD	OUT	2	NONE	NONE	-3.
CPCAWSPD	OUT	2	NONE	NONE	-3.
CPCANOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT BRYAN					
CPFAKE15	OUT	2	NONE	NONE	-3.
CPFKBR01	OUT	2	NONE	NONE	-3.
CPFKBR02	OUT	2	NONE	NONE	-3.
CPFKBR03	OUT	2	NONE	NONE	-3.
CPFKBR04	OUT	2	NONE	NONE	-3.
CPFKBR05	OUT	2	NONE	NONE	-3.
CPFKBR06	OUT	2	NONE	NONE	-3.
CPFKBR07	OUT	2	NONE	NONE	-3.
CPFKBR08	OUT	2	NONE	NONE	-3.
CPFKBR09	OUT	2	NONE	NONE	-3.
CPFKBR10	OUT	2	NONE	NONE	-3.
CPFKBR11	OUT	2	NONE	NONE	-3.
CPFKBR12	OUT	2	NONE	NONE	-3.
CPFKBR13	OUT	2	NONE	NONE	-3.
CPBRDPND	OUT	2	NONE	NONE	-3.
CPBRASPD	OUT	2	NONE	NONE	-3.
CPBRWSPD	OUT	2	NONE	NONE	-3.
CPBRNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS NAVASOTA RIVER NEAR EASTERLY					
CPFAKE16	OUT	2	NONE	NONE	-3.
CPFKEA01	OUT	2	NONE	NONE	-3.
CPFKEA02	OUT	2	NONE	NONE	-3.
CPFKEA03	OUT	2	NONE	NONE	-3.
CPFKEA04	OUT	2	NONE	NONE	-3.
CPFKEA05	OUT	2	NONE	NONE	-3.
CPFKEA06	OUT	2	NONE	NONE	-3.
CPFKEA07	OUT	2	NONE	NONE	-3.
CPFKEA08	OUT	2	NONE	NONE	-3.
CPFKEA09	OUT	2	NONE	NONE	-3.
CPFKEA10	OUT	2	NONE	NONE	-3.
CPFKEA11	OUT	2	NONE	NONE	-3.
CPFKEA12	OUT	2	NONE	NONE	-3.
CPFKEA13	OUT	2	NONE	NONE	-3.
CPEADPND	OUT	2	NONE	NONE	-3.
CPEAASPD	OUT	2	NONE	NONE	-3.
CPEAWSPD	OUT	2	NONE	NONE	-3.
CPEANOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT HEMPSTEAD					
CPFAKE17	OUT	2	NONE	NONE	-3.
CPFKHE01	OUT	2	NONE	NONE	-3.
CPFKHE02	OUT	2	NONE	NONE	-3.
CPFKHE03	OUT	2	NONE	NONE	-3.
CPFKHE04	OUT	2	NONE	NONE	-3.
CPFKHE05	OUT	2	NONE	NONE	-3.
CPFKHE06	OUT	2	NONE	NONE	-3.
CPFKHE07	OUT	2	NONE	NONE	-3.
CPFKHE08	OUT	2	NONE	NONE	-3.
CPFKHE09	OUT	2	NONE	NONE	-3.
CPFKHE10	OUT	2	NONE	NONE	-3.
CPFKHE11	OUT	2	NONE	NONE	-3.
CPFKHE12	OUT	2	NONE	NONE	-3.
CPFKHE13	OUT	2	NONE	NONE	-3.
CPHEDPND	OUT	2	NONE	NONE	-3.
CPHEASPD	OUT	2	NONE	NONE	-3.
CPHEWSPD	OUT	2	NONE	NONE	-3.
CPHENOSB	OUT	2	NONE	NONE	-3.

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



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** EFLOW CPS BRAZOS AT RICHMOND
CPFAKE18   OUT           2   NONE   NONE   -3.
CPFKRC01   OUT           2   NONE   NONE   -3.
CPFKRC02   OUT           2   NONE   NONE   -3.
CPFKRC03   OUT           2   NONE   NONE   -3.
CPFKRC04   OUT           2   NONE   NONE   -3.
CPFKRC05   OUT           2   NONE   NONE   -3.
CPFKRC06   OUT           2   NONE   NONE   -3.
CPFKRC07   OUT           2   NONE   NONE   -3.
CPFKRC08   OUT           2   NONE   NONE   -3.
CPFKRC09   OUT           2   NONE   NONE   -3.
CPFKRC10   OUT           2   NONE   NONE   -3.
CPFKRC11   OUT           2   NONE   NONE   -3.
CPFKRC12   OUT           2   NONE   NONE   -3.
CPFKRC13   OUT           2   NONE   NONE   -3.
CPRCDPND   OUT           2   NONE   NONE   -3.
CPRCASPND  OUT           2   NONE   NONE   -3.
CPRCWSPD   OUT           2   NONE   NONE   -3.
CPRCNOSB   OUT           2   NONE   NONE   -3.
** EFLOW CPS BRAZOS AT ROSHARON
CPFAKE19   OUT           2   NONE   NONE   -3.
CPFKRO01   OUT           2   NONE   NONE   -3.
CPFKRO02   OUT           2   NONE   NONE   -3.
CPFKRO03   OUT           2   NONE   NONE   -3.
CPFKRO04   OUT           2   NONE   NONE   -3.
CPFKRO05   OUT           2   NONE   NONE   -3.
CPFKRO06   OUT           2   NONE   NONE   -3.
CPFKRO07   OUT           2   NONE   NONE   -3.
CPFKRO08   OUT           2   NONE   NONE   -3.
CPFKRO09   OUT           2   NONE   NONE   -3.
CPFKRO10   OUT           2   NONE   NONE   -3.
CPFKRO11   OUT           2   NONE   NONE   -3.
CPFKRO12   OUT           2   NONE   NONE   -3.
CPFKRO13   OUT           2   NONE   NONE   -3.
CPRDPND    OUT           2   NONE   NONE   -3.
CPRDASPND  OUT           2   NONE   NONE   -3.
CPRDOWSPD  OUT           2   NONE   NONE   -3.
CPRDNOSB   OUT           2   NONE   NONE   -3.
CPHLD SB1  OUT           2   NONE   NONE   -3.
CPHLD SB2  OUT           2   NONE   NONE   -3.
** SB3 change (FNI) - add dummy CPs to record regulated flows 1 day senior to SB3 IFs
CPDMDMAS   OUT           2   NONE   NONE   -3.
CPDMSFAS   OUT           2   NONE   NONE   -3.
CPDMBRSE   OUT           2   NONE   NONE   -3.
CPDMCFNU   OUT           2   NONE   NONE   -3.
CPDMCFLU   OUT           2   NONE   NONE   -3.
CPDMBR SB  OUT           2   NONE   NONE   -3.
CPDMBRPP   OUT           2   NONE   NONE   -3.
CPDMBRGR   OUT           2   NONE   NONE   -3.
CPDMNBCL   OUT           2   NONE   NONE   -3.
CPDMBRWA   OUT           2   NONE   NONE   -3.
CPDMLGT    OUT           2   NONE   NONE   -3.
CPDMLAKE   OUT           2   NONE   NONE   -3.
CPDMLRLR   OUT           2   NONE   NONE   -3.
CPDMLRCA   OUT           2   NONE   NONE   -3.
CPDMBRBR   OUT           2   NONE   NONE   -3.
CPDMNAEA   OUT           2   NONE   NONE   -3.
CPDMBRHE   OUT           2   NONE   NONE   -3.
CPDMBRI    OUT           2   NONE   NONE   -3.
CPDMBRRO   OUT           2   NONE   NONE   -3.
**
** SysOp Change:
** Populate some dummy control points with large flows
CISR5155 9999999 9999999 9999999 9999999 9999999 9999999
CI       9999999 9999999 9999999 9999999 9999999 9999999
CISR5156 9999999 9999999 9999999 9999999 9999999 9999999
CI       9999999 9999999 9999999 9999999 9999999 9999999
CISR5157 9999999 9999999 9999999 9999999 9999999 9999999
CI       9999999 9999999 9999999 9999999 9999999 9999999
CISR5158 9999999 9999999 9999999 9999999 9999999 9999999
CI       9999999 9999999 9999999 9999999 9999999 9999999
CISR5159 9999999 9999999 9999999 9999999 9999999 9999999
CI       9999999 9999999 9999999 9999999 9999999 9999999
CISR5160 9999999 9999999 9999999 9999999 9999999 9999999
CI       9999999 9999999 9999999 9999999 9999999 9999999
CISR5161 9999999 9999999 9999999 9999999 9999999 9999999
CI       9999999 9999999 9999999 9999999 9999999 9999999
CISR5162 9999999 9999999 9999999 9999999 9999999 9999999
CI       9999999 9999999 9999999 9999999 9999999 9999999
CISR5163 9999999 9999999 9999999 9999999 9999999 9999999
CI       9999999 9999999 9999999 9999999 9999999 9999999
CISR5164 9999999 9999999 9999999 9999999 9999999 9999999
CI       9999999 9999999 9999999 9999999 9999999 9999999
CISR5165 9999999 9999999 9999999 9999999 9999999 9999999

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Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



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CI	9999999	9999999	9999999	9999999	9999999	9999999			
CISR2925	9999999	9999999	9999999	9999999	9999999	9999999			
CI	9999999	9999999	9999999	9999999	9999999	9999999			
** big flow for testing									
CIBIGFLO	9999999	9999999	9999999	9999999	9999999	9999999			
CI	9999999	9999999	9999999	9999999	9999999	9999999			
** Amount subtracted from Gibbons Creek empty storage - arbitrarily set to this amount									
CIGIBLIM	4000	4000	4000	4000	4000	4000			
CI	4000	4000	4000	4000	4000	4000			
** Monthly pumping limit from Brazos for Allens Creek. Used to set target for Excess Flows diversion.									
CIAC_LIM	130680	130680	130680	130680	130680	130680			
CI	130680	130680	130680	130680	130680	130680			
** CI RECORDS									
** 2070 return flows - Sum of 25% of 2020 Discharge and 50% of increase based on county population projections									
CI100401	9.63	8.40	8.22	10.34	11.14	10.99	City of Breckenridge	10040.001	102
CI	7.54	6.96	6.51	8.37	6.98	6.91			
CI104871	20.82	21.41	21.78	23.87	27.00	28.97	City of Graham	10487.001	269
CI	21.87	21.31	20.53	19.65	21.70	20.10			
CI105851	3.78	3.74	4.77	7.10	6.06	3.92	City of Mineral Wells	10585.004	43
CI	2.15	1.89	1.74	2.32	2.93	2.61			
CI105852	33.77	33.06	40.97	45.07	54.50	42.76	City of Mineral Wells	10585.001	436
CI	29.95	28.92	27.28	28.47	37.21	34.05			
CI101782	20.47	16.51	19.72	26.67	35.95	29.87	City of Granbury	10178.002	347
CI	17.50	27.45	22.36	83.29	25.16	22.05			
CI106301	48.96	48.66	53.20	51.44	56.26	56.41	City of Hillsboro	10630.001	604
CI	48.66	47.79	50.56	48.37	46.91	46.77			
CI102902	46.06	47.62	56.93	72.55	105.15	80.13	City of Stephenville	10290.001	685
CI	46.68	45.81	47.10	46.32	46.85	43.80			
CI102191	18.91	12.49	20.85	19.36	23.76	21.10	City of McGregor	10219.002	199
CI	8.99	8.88	8.79	17.20	19.81	18.86			
CI101102	28.88	25.98	33.89	34.64	32.73	27.55	City of Marlin	10110.002	341
CI	23.33	27.23	24.15	25.89	27.98	28.77			
CI106371	2.03	1.93	2.12	1.17	3.23	3.33	City of Eastland	10637.001	30
CI	2.68	2.12	2.79	2.46	2.80	3.35			
CI100455	85.24	77.94	92.22	98.96	104.14	102.38	City of Copperas Cove	10045.005	1011
CI	70.45	73.02	66.97	70.06	85.21	84.42			
CI101761	41.26	42.83	44.50	47.38	49.60	48.71	City of Gatesville	10176.001	493
CI	33.83	36.00	31.61	32.86	42.66	41.76			
CI101761	98.03	97.54	102.35	104.79	106.47	108.01	City of Gatesville	10176.002	1206
CI	98.17	101.39	99.18	95.72	96.38	97.98			
CI022336	49.63	44.54	51.39	51.69	57.40	53.17	City of Copperas Cove	10045.004	538
CI	31.63	35.14	32.21	35.26	47.22	48.73			
CI102051	26.14	26.47	27.48	26.89	27.67	27.20	City of Lampasas	10205.002	306
CI	22.22	23.46	22.70	24.81	25.73	25.23			
CI100451	32.45	30.46	36.58	36.96	41.28	39.50	City of Copperas Cove	10045.003	386
CI	26.07	26.58	24.64	26.22	31.71	33.56			
CI101551	118.42	111.54	139.05	143.88	166.75	140.91	City of Harker Heights	10155.001	1500
CI	99.64	108.75	94.06	107.82	139.05	130.13			
CI103511	26.87	24.89	27.47	30.82	36.07	38.75	Bell County WCID#1	10351.001	396
CI	37.89	41.98	37.61	31.96	29.98	31.72			
CI103513	715.08	696.15	807.38	785.56	909.92	807.58	Bell County WCID#1	10351.002	8652
CI	640.73	638.41	590.52	621.03	722.61	717.01			
CI103513	142.63	137.70	139.61	156.92	173.76	158.51	Bell County WCID#1	14387.001	1638
CI	116.26	129.76	119.92	111.66	125.63	125.63			
CI104893	145.03	122.61	138.75	154.25	189.39	168.73	City of Georgetown	10489.002	1779
CI	136.13	156.38	147.62	140.82	140.88	138.41			
CI104892	146.86	136.84	148.13	141.37	161.00	139.64	City of Georgetown	10489.003	1685
CI	119.73	142.21	132.73	134.36	143.55	138.58			
CI100041	25.73	21.87	29.17	26.24	28.54	24.93	City of Cameron	10004.001	277
CI	19.04	20.76	17.97	18.07	22.10	22.59			
CI102641	119.22	118.01	136.86	154.14	159.55	147.22	BRA/LCRA BCRWSS West	10264.001	1654
CI	159.30	154.54	149.69	146.05	143.22	66.20			
CI102642	1573.15	1466.96	1551.64	1460.07	1629.88	1619.36	BRA/LCRA BCRWSS East	10264.002	18756
CI	1432.15	1631.24	1521.38	1563.52	1617.91	1688.73			
CI102991	181.83	155.50	204.91	193.11	233.29	180.25	City of Taylor	10299.001	2037
CI	137.23	159.47	139.15	132.08	154.79	165.38			
CI126441	97.65	89.97	98.71	98.92	122.80	106.05	City of Leander	12644.001	1172
CI	85.19	100.93	86.37	91.32	98.79	95.28			
CI100462	24.50	19.61	25.33	22.44	35.73	21.24	City of Hearne	10046.002	275
CI	15.77	24.20	19.22	20.41	21.83	24.72			
CI102311	7.44	6.42	7.44	6.74	8.22	6.60	City of Navasota	10231.001	295
CI	5.65	7.97	5.82	5.79	6.60	220.31			
CI103881	1.80	1.61	2.03	1.90	2.15	717.96	City of Brenham	10388.001	738
CI	1.65	2.06	1.65	1.68	1.61	1.90			
CI025851	22.81	25.74	28.07	28.74	31.33	25.99	Texas A&M University	2585.001	302
CI	22.79	24.80	23.19	26.66	25.97	15.91			
CI103851	31.64	28.06	34.55	35.15	35.39	35.23	City of Bellville	10385.002	379
CI	27.53	34.19	29.57	26.09	29.37	32.22			
CI106073	135.72	117.61	140.58	157.07	174.29	172.13	City of Rosenberg	10607.003	1790
CI	124.35	174.68	161.27	146.58	137.64	148.09			
CI112751	42.60	47.42	47.33	52.05	47.95	39.41	Praire View A&M University	11275.002	541
CI	33.87	45.24	49.74	50.68	47.20	37.52			
CI106072	224.40	189.04	219.34	241.27	257.66	235.77	City of Rosenberg	10607.002	2692
CI	196.68	267.53	224.03	219.87	197.94	218.49			

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CI102582	37.93	34.58	37.97	38.38	38.21	37.12	City of Richmond	10258.003	444
CI	35.13	41.83	35.58	35.71	35.01	36.53			
CI113171	530.40	474.08	518.57	531.47	554.84	516.43	BRA SLRSS	11317.001	6273
CI	489.24	621.31	520.21	501.27	496.92	518.24			
CI116551	98.07	92.84	97.91	106.42	109.49	104.82	Pecan Grove MUD	11655.001	1243
CI	100.11	128.22	104.58	103.70	96.03	100.82			
CI128331	265.46	248.22	267.28	276.42	291.01	280.66	City of Sugarland	12833.002	3252.5
CI	265.41	318.70	262.75	258.18	252.56	265.84			
CI128332	265.46	248.22	267.28	276.42	291.01	280.66	City of Sugarland	12833.003	3252.5
CI	265.41	318.70	262.75	258.18	252.56	265.84			
CI133551	121.79	114.00	122.29	126.20	131.13	127.54	Fort Bend MUD 106	13355.001	1503
CI	118.24	142.72	122.16	127.18	121.63	128.12			
CI136281	174.62	164.78	178.20	185.16	196.77	189.81	Fort Bend MUD 112	13628.001	2129
CI	173.13	210.44	166.99	159.50	167.68	161.93			
CI103121	77.88	59.88	86.05	95.98	83.43	128.66	City of West Columbia	10312.001	791
CI	34.47	49.59	42.99	40.60	39.72	51.76			
CI108821	87.73	59.87	79.42	87.02	82.98	84.39	City of Freeport	10882.001	972
CI	60.77	114.37	83.80	71.09	74.17	86.40			
CI105481	167.70	137.03	187.38	180.22	188.29	164.31	City of Angleton	10548.001	1896
CI	116.20	204.51	151.47	131.70	115.37	151.83			
CI102642	108.29	98.00	114.62	104.65	120.59	104.08	City of Hutto	11324.001	1218
CI	90.52	95.95	94.36	90.38	98.11	98.45			

** POPULATE EFLOWS CPS FOR DOUBLE MOUNTAIN NEAR ASPERMONT

CI HALF	2	2	2	2	2	2
CI	2	2	2	2	2	2
CIDMPND	0	0	10	10	10	10
CI	9	9	9	9	0	0
CIDMAPND	0	0	10	10	10	10
CI	9	9	9	9	0	0
CIDMWPND	0	0	12	12	12	12
CI	12	12	12	12	0	0
CIFAKE01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM08	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM09	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM11	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM12	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIDMNSOB	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

** POPULATE EFLOWS CPS FOR SALT FORK NEAR ASPERMONT

CISFPND	0	0	10	10	10	10
CI	8	8	8	8	0	0
CISFAPND	0	0	10	10	10	10
CI	8	8	8	8	0	0
CISFWPND	0	0	11	11	11	11
CI	10	10	10	10	0	0
CIFAKE02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF08	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

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CIFKSF09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSF11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSF12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CISFNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**
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** POPULATE EFLWS CPS FOR BRAZOS AT SEYMOUR

```
CISMDPND 0 0 10 10 10 10
CI 8 8 8 8 0 0
CISMAPND 0 0 10 10 10 10
CI 8 8 8 8 0 0
CISMWPND 0 0 12 12 12 12
CI 11 11 11 11 0 0
CIFAKE03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CISMNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**
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** POPULATE EFLWS CPS FOR CLEAR FORK AT NUGENT

```
CINUDPND 0 0 9 9 9 9
CI 8 8 8 8 0 0
CINUAPND 0 0 9 9 9 9
CI 8 8 8 8 0 0
CINUWPND 9 9 12 12 12 12
CI 12 12 12 12 9 9
CIFAKE04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CINUNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**
```

** POPULATE EFLWS CPS FOR CLEAR FORK AT LUEDERS

```
CILUDPND 0 0 2 2 2 2
CI 2 2 2 2 0 0
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Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

CILUAFND	0	0	2	2	2	2
CI	2	2	2	2	0	0
CILUWFND	9	9	9	9	9	9
CI	5	5	5	5	9	9
CIFAKE05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU08	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU09	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU10	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU11	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU12	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLU13	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CILUNOSB	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

**

** POPULATE EFLOWS CPS FOR BRAZOS NEAR SOUTH BEND

CISBDFND	0	0	10	10	10	10
CI	8	8	8	8	0	0
CISBAPND	0	0	10	10	10	10
CI	8	8	8	8	0	0
CISBWPND	0	0	13	13	13	13
CI	11	11	11	11	0	0
CIFAKE06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB08	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB09	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB10	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB11	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSB12	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CISBNOB	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

**

** POPULATE EFLOWS CPS FOR BRAZOS NEAR PALO PINTO

CIPDPND	5	5	6	6	6	6
CI	6	6	6	6	5	5
CIPPASPD	5	5	6	6	6	6
CI	6	6	6	6	5	5
CIPPALPD	7	7	10	10	10	10
CI	9	9	9	9	7	7
CIPPWSPD	5	5	6	6	6	6
CI	6	6	6	6	5	5
CIPPWLPD	7	7	10	10	10	10
CI	9	9	9	9	7	7
CIFAKE07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

CIFKGR14 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKGR15 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKGR16 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKGR17 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKGR18 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKGR19 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKGR20 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKGR21 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIGRNOSE 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 **

** POPULATE EFLWS CPS FOR CLEAR FORK AT NUGENT
 CINBDPND 0 0 12 12 12 12
 CI 0 0 0 0 0 0
 CINBAPND 0 0 12 12 12 12
 CI 0 0 0 0 0 0
 CINBWPND 10 10 12 12 12 12
 CI 6 6 6 6 10 10

CIFAKE09 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKNB01 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKNB02 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKNB03 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKNB04 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKNB05 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKNB06 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKNB07 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKNB08 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKNB09 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKNB10 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKNB11 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKNB12 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKNB13 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CINBNOSB 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 **

** POPULATE EFLWS CPS FOR BRAZOS NEAR WACO
 CIWADPND 7 7 10 10 10 10
 CI 7 7 7 7 7 7
 CIWAASPD 7 7 10 10 10 10
 CI 7 7 7 7 7 7
 CIWAWSPD 9 9 14 14 14 14
 CI 10 10 10 10 9 9

CIFAKE10 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKWA01 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKWA02 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKWA03 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKWA04 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKWA05 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKWA06 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKWA07 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKWA08 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKWA09 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

```

CIFKWA10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIWANOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

```

**

```

** POPULATE EFLOWS CPS FOR LEON RIVER AT GATESVILLE
CIGTDPND 0 0 10 10 10 10
CI 4 4 4 4 0 0
CIGTASPD 0 0 10 10 10 10
CI 4 4 4 4 0 0
CIGTWSPD 6 6 13 13 13 13
CI 6 6 6 6 6 6

```

```

CIFAKE11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
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CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT13 9999999 9999999 9999999 9999999 9999999 9999999
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CIGTNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

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** POPULATE EFLOWS CPS FOR LAMPASAS RIVER NEAR KEMPNER
CILADPND 8 8 13 13 13 13
CI 4 4 4 4 8 8
CILAAPND 8 8 13 13 13 13
CI 4 4 4 4 8 8
CILAWPND 11 11 16 16 16 16
CI 6 6 6 6 11 11

```

```

CIFAKE12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA03 9999999 9999999 9999999 9999999 9999999 9999999
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CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA05 9999999 9999999 9999999 9999999 9999999 9999999
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CIFKLA08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
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CIFKLA11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

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Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

CILANOSB 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 **

** POPULATE EFLOWS CPS FOR LITTLE RIVER NEAR LITTLE RIVER

CILRDPND	5	5	10	10	10	10
CI	4	4	4	4	5	5
CILRASPD	5	5	10	10	10	10
CI	4	4	4	4	5	5
CILRWSPD	11	11	17	17	17	17
CI	8	8	8	8	11	11

CIFAKE13 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKLR01 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKLR02 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKLR03 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKLR04 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKLR05 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKLR06 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKLR07 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKLR08 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKLR09 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKLR10 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKLR11 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKLR12 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKLR13 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CILRNOSB 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 **

** POPULATE EFLOWS CPS FOR LITTLE RIVER NEAR CAMERON

CICADPND	8	8	12	12	12	12
CI	6	6	6	6	8	8
CICAASPD	8	8	12	12	12	12
CI	6	6	6	6	8	8
CICAWSPD	10	10	14	14	14	14
CI	8	8	8	8	10	10

CIFAKE14 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKCA01 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKCA02 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKCA03 9999999 9999999 9999999 9999999 9999999 9999999
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 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CIFKCA07 9999999 9999999 9999999 9999999 9999999 9999999
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 CI 9999999 9999999 9999999 9999999 9999999 9999999
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 CIFKCA10 9999999 9999999 9999999 9999999 9999999 9999999
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 CIFKCA12 9999999 9999999 9999999 9999999 9999999 9999999
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 CIFKCA13 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 CICANOSB 9999999 9999999 9999999 9999999 9999999 9999999
 CI 9999999 9999999 9999999 9999999 9999999 9999999
 **

** POPULATE EFLOWS CPS FOR BRAZOS NEAR BRYAN

CIBRDPND	7	7	11	11	11	11
CI	7	7	7	7	7	7
CIBRASPD	7	7	11	11	11	11
CI	7	7	7	7	7	7

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TWDB Contract Number 2100012466

CIBRWSPD	10	10	14	14	14	14
CI	8	8	8	8	10	10
CIFAKE15	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR08	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR09	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR10	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR11	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR12	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR13	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIBRNOSB	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
**						
** POPULATE EFLOWS CPS FOR NAVASOTA RIVER NEAR EASTERLY						
CIEADPND	9	9	11	11	11	11
CI	0	0	0	0	9	9
CIEAASPD	9	9	11	11	11	11
CI	0	0	0	0	9	9
CIEAWSPD	12	12	13	13	13	13
CI	5	5	5	5	12	12
CIFAKE16	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA08	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA09	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA10	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA11	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA12	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKEA13	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIEANOSB	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
**						
** POPULATE EFLOWS CPS FOR BRAZOS NEAR HEMPSTEAD						
CIHEDPND	10	10	13	13	13	13
CI	7	7	7	7	10	10
CIHEASPD	10	10	13	13	13	13
CI	7	7	7	7	10	10
CIHEWSPD	15	15	19	19	19	19
CI	9	9	9	9	15	15
CIFAKE17	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKHE01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKHE02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

```

CIFKHE03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIHENOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**

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** POPULATE EFLOWS CPS FOR BRAZOS AT RICHMOND

```

CIRCDPND 11 11 13 13 13 13
CI 6 6 6 6 11 11
CIRCASPD 11 11 13 13 13 13
CI 6 6 6 6 11 11
CIRCWSPD 16 16 19 19 19 19
CI 10 10 10 10 16 16
CIFAKE18 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIRCNOSE 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**

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** POPULATE EFLOWS CPS FOR BRAZOS AT ROSHARON

```

CIRODPND 12 12 10 10 10 10
CI 6 6 6 6 12 12
CIROASPD 12 12 10 10 10 10
CI 6 6 6 6 12 12
CIROWSPD 16 16 18 18 18 18
CI 9 9 9 9 16 16
CIFAKE19 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

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Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

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CIFKRO07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIRONOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

```

** EFLOW CI RECORDS

```

CIDAYSPY 31 28.25 31 30 31 30
CI 31 31 30 31 30 31

```

** FNI Change - add dummy CIs to record regulated flows 1 day senior to SB3 IFs

```

CIDMDMAS 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMSFAS 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMBRSE 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMCFNU 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMCFLU 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMBRSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMBRPP 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMBRGR 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMNBCL 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMBRWA 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMLEGT 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMLAKE 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMLRLR 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMLRCA 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMBRBR 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMNAEA 9999999 9999999 9999999 9999999 9999999 9999999
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CIDMBRHE 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMBRRI 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMBRRO 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

```

** FNI Change end

** WR/WS/IF/SO/OR/ML RECORDS

**<----- WRAP input variables ----->
 ----->|<----- water rights information not utilized by WRAP ----->|

** CPID	AMT	USE	PRIORITY	RETURN_PARAMS	WRID	WRID2	OWNER
STREAM				RIVER_ORDER_NUMBER	CPID	TERM SUBAREA	

** HDR - Removed reuse - already accounted for in CI records

** FNI change - Cleburne reuse

**IF 4106C	2552	4106IF20040820		1		IF4196C	
**WR 4106C		MUN220040820				CleburneReuse	C4106 reuse
**TS ADD	2015	274	260	307	340	327 225	201 201 215 254 271 267

** FNI change - Waco reuse

**IF584001	293525.	IFWCRE20040713		1		IFP5840_1	
**WR584001	0	20040713				WacoReuse	P5094 reuse
**TS ADD	2015	1978	1876	2132	1836	1714 1695	1816 1945 2005 2042 1918 2052

** FNI change - Bryan and College Station reuse

**City of Bryan, 5912

**WR591201	0.	10000212		1		P5912_1	P5912 reuse
**TS ADD	2015	504	516	521	506	501 473	490 525 511 504 482 490

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

```

**City of College Station, 5913
**WR591201 0. 10000212 1 P5913_1 P5913 reuse
**TS ADD 2015 536 500 561 540 529 492 497 513 548 543 510 479
**
** FNI change - City of Abilene reuse permit 12-4161C
** Code by FNI 3-24-13
** Sum of minimum monthly discharge from 2007 to 2011 is 6,667 ac-ft/yr.
** Permit 4266 (1985 priority) is already in model and allows diversion of 4,330 ac-ft/yr of effluent
** No changes to 4266 are proposed
** Assume that remaining discharge goes to Lake Kirby (CP 415031) for reuse at Lake Fort Phantom Hill
** No water left over for other diversion points authorized by 4161C, so not modeling.
** Instream flows apply only to diversion point 3 (scalping to Hubbard Creek). Since no water left for that, we are not modeling
**
** Reuse at Lake Fort Phantom Hill. Not storing water so reservoir not included.
** TS is zero some times because P4266 sometimes diverts more than minimum monthly discharge
**WR416131 20041014 1 2 0.0000 C4161_c ABILFPH reuse
**TS ADD 2015 397 170 285 193 189 0 0 0 0 296 299 334
** End FNI change
**
** FNI Change - Modeling at revised priority date to preserve prior appropriation relative to System Operation Modeling
** Actual priority date 09/04/2007
**Alcoa 12191 I-South 9/04/09 SD
**WR121911 0. UNIFO20120307 1 A121911 12191
WR121911 0. UNIFO20070904 1 A121911 12191
WS121911 1209. 0.5245 0.6411
**
**Alcoa 12190 9/04/09 SD
**WR121902 0. UNIFO20120307 1 A121902 12190
WR121902 0. UNIFO20070904 1 A121902 12190
WS121902 360. 0.5245 0.6411
**WR121901 0. UNIFO20120307 1 A121901 12190
WR121901 0. UNIFO20070904 1 A121901 12190
WS121901 6877.
** FNI Change end
**
** Smiling Mallard Development, 5788, 4/29/07 sj
IFP578831 12.05 IF578820020930 1 IFP5788_1
WR578831 0.0 UNIFO20020930 1 0.0000 P5788_1 P578815788301
WSRP5788 436.0 0.4897 0.7633 0 0
**
** FNI Change - Modeling at revised priority date to preserve prior appropriation relative to System Operation Modeling
** Actual priority date 09/14/2006
** TXU Kosse Lignite, 5931, 9/29/06, io
**WR593101 0 593120120306 1 2 0.0000 P5931_1 P593115931001 CAMP
COOLEY LTD. STEELE CRK 0782000000 NAEA66 10
WR593101 0 593120060914 1 2 0.0000 P5931_1 P593115931001 CAMP
COOLEY LTD. STEELE CRK 0782000000 NAEA66 10
WS593131 146.6 0.4897 0.7633 0 0
**WR593103 0 593120120306 1 2 0.0000 P5931_3 P593115931003 CAMP
COOLEY LTD. STEELE CRK 0782000000 NAEA66 10
WR593103 0 593120060914 1 2 0.0000 P5931_3 P593115931003 CAMP
COOLEY LTD. STEELE CRK 0782000000 NAEA66 10
WS593133 76.5 0.4897 0.7633 0 0
**WR593105 0 593120120306 1 2 0.0000 P5931_5 P593115931005 CAMP
COOLEY LTD. STEELE CRK 0782000000 NAEA66 10
WR593105 0 593120060914 1 2 0.0000 P5931_5 P593115931005 CAMP
COOLEY LTD. STEELE CRK 0782000000 NAEA66 10
WS593135 174 0.4897 0.7633 0 0
**WR593104 0 593120120306 1 2 0.0000 P5931_4 P593115931004 CAMP
COOLEY LTD. STEELE CRK 0782000000 NAEA66 10
WR593104 0 593120060914 1 2 0.0000 P5931_4 P593115931004 CAMP
COOLEY LTD. STEELE CRK 0782000000 NAEA66 10
WS593134 44 0.4897 0.7633 0 0
**WR593102 1000 593120120306 1 2 0.0000 P5931_2 P593115931002 CAMP
COOLEY LTD. STEELE CRK 0782000000 NAEA66 10
WR593102 1000 593120060914 1 2 0.0000 P5931_2 P593115931002 CAMP
COOLEY LTD. STEELE CRK 0782000000 NAEA66 10
WS593132 1351 0.4897 0.7633 0 0
WS593131 146.6 0.4897 0.7633 0 0
OR593131 1 1
WS593133 76.5 0.4897 0.7633 0 0
OR593133 1 1
WS593135 174 0.4897 0.7633 0 0
OR593135 1 1
WS593134 44 0.4897 0.7633 0 0
OR593134 1 1
** FNI Change end
**
** FNI Change - Modeling at revised priority date to preserve prior appropriation relative to System Operation Modeling
** Actual priority date 10/21/2004
**APP 5858
**WR585830 000. IND320120303 1 0 0.0000 A585800 A5858 TEXAS
MUNICIPAL POWER AGENCY UNNAMED TRIB 0745651000 BRHE68 10

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TWDB Contract Number 2100012466

WR585830	000.	IND320041021	1	0	0.0000	A585800	A5858			TEXAS
MUNICIPAL POWER AGENCY					UNNAMED TRIB		0745651000	BRHE68	10	
WSR58580	212.5	0.5228	0.8206	0	0					
**WR585831	000.	IND320120303	1	0	0.0000	A585801	A5858			TEXAS
MUNICIPAL POWER AGENCY					UNNAMED TRIB		0745651000	BRHE68	10	
WR585831	000.	IND320041021	1	0	0.0000	A585801	A5858			TEXAS
MUNICIPAL POWER AGENCY					UNNAMED TRIB		0745651000	BRHE68	10	
WSR58581	82.	0.5228	0.8206	0	0					
**WR585832	000.	IND320120303	1	0	0.0000	A585802	A5858			TEXAS
MUNICIPAL POWER AGENCY					UNNAMED TRIB		0745651000	BRHE68	10	
WR585832	000.	IND320041021	1	0	0.0000	A585802	A5858			TEXAS
MUNICIPAL POWER AGENCY					UNNAMED TRIB		0745651000	BRHE68	10	
WSR58582	1693.	0.5228	0.8206	0	0					
**WR585835	000.	IND320120303	1	0	0.0000	A585805	A5858			TEXAS
MUNICIPAL POWER AGENCY					UNNAMED TRIB		0745651000	BRHE68	10	
WR585835	000.	IND320041021	1	0	0.0000	A585805	A5858			TEXAS
MUNICIPAL POWER AGENCY					UNNAMED TRIB		0745651000	BRHE68	10	
WSR58585	16.0	0.5228	0.8206	0	0					
**WR585836	000.	IND320120303	1	0	0.0000	A585806	A5858			TEXAS
MUNICIPAL POWER AGENCY					UNNAMED TRIB		0745651000	BRHE68	10	
WR585836	000.	IND320041021	1	0	0.0000	A585806	A5858			TEXAS
MUNICIPAL POWER AGENCY					UNNAMED TRIB		0745651000	BRHE68	10	
WSR58586	16.0	0.5228	0.8206	0	0					
**WR585838	000.	IND320120303	1	0	0.0000	A585808	A5858			TEXAS
MUNICIPAL POWER AGENCY					UNNAMED TRIB		0745651000	BRHE68	10	
WR585838	000.	IND320041021	1	0	0.0000	A585808	A5858			TEXAS
MUNICIPAL POWER AGENCY					UNNAMED TRIB		0745651000	BRHE68	10	
WSR58588	316.0	0.5228	0.8206	0	0					
**WR585839	000.	IND320120303	1	0	0.0000	A585809	A5858			TEXAS
MUNICIPAL POWER AGENCY					UNNAMED TRIB		0745651000	BRHE68	10	
WR585839	000.	IND320041021	1	0	0.0000	A585809	A5858			TEXAS
MUNICIPAL POWER AGENCY					UNNAMED TRIB		0745651000	BRHE68	10	
WSR58589	1141.2	0.5228	0.8206	0	0					
**WR58583A	000.	IND320120303	1	0	0.0000	A585810	A5858			TEXAS
MUNICIPAL POWER AGENCY					UNNAMED TRIB		0745651000	BRHE68	10	
WR58583A	000.	IND320041021	1	0	0.0000	A585810	A5858			TEXAS
MUNICIPAL POWER AGENCY					UNNAMED TRIB		0745651000	BRHE68	10	
WSR5858A	38.0	0.5228	0.8206	0	0					

** FNI Change end

**

** FNI Change - Modeling at revised priority date to preserve prior appropriation relative to System Operation Modeling

** Actual priority date 05/31/2005

** App 5866, Harris County FCD, 9/29/2005, MT

** IF586631 18095 UNIFO20120304 1 IFA586631

** WR586631 0.0 UNIFO20120304 1 A586631

IF586631 18095 UNIFO20050531 1 IFA586631

WR586631 0.0 UNIFO20050531 1 A586631

WS586631 108.9 0.5228 0.8206

** FNI Change end

**

** Alcoa Inc., App. 12-5816, IO

WR581601 650 5816DI20031027 1 P5816_1 P581615816301

WS R5816 4380

**

** Alcoa Inc.,

WR580331 0.0 ALCOA20030724 1 P580331 P580315803301

WS580331 936

WR580332 650.0 ALCOA20030724 1 P5803_1 P580315803302

WS580332 13492

** Ed Johnson, app. 5791, io

IF579101 365 5791IF20021114 1 IFP5791_1

WR579131 0.0 5791DD20021114 1 P579131 P579115791301

WS579131 83.1 0.5228 0.8206

WR579132 0.0 5791DD20021114 1 P579132 P579115791302

WS579132 6.2 0.5228 0.8206

WR579101 40.0 5791DD20021114 2 P5791_1 P579115791001

WS579131 83.1 0.5228 0.8206

OR 1 1

WS579132 6.2 0.5228 0.8206

OR 1 1

**

** Application 3809, L.P. Reed Ranch

** These reservoirs were not included in the model. The reservoirs were modeled such that water will be taken first

** from the most downstream reservoir and then from the next upstream reservoir, etc., etc.

IF380934 72 UNIFO20020429 1 IF3809_1

WR380931 0 IRR220020429 1 P3809_1 P380913809004

WS REED1 143 0.4897 0.7633

WR380932 0 IRR220020429 1 P3809_2 P380913809004

WS REED2 76 0.4897 0.7633

WR380933 0 IRR220020429 1 P3809_3 P380913809004

WS REED3 30 0.4897 0.7633

WR380935 0 IRR220020429 1 P3809_5 P380913809004

WS REED5 12.7 0.4897 0.7633

WR380936 0 IRR220020429 1 P3809_6 P380913809004

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WS REED6	7	0.4897	0.7633						
WR380934	230	IRR220020429		1	0.0000		P3809_4	P380913809004	
WS REED4	175	0.4897	0.7633		0	0			
WS REED1	143	0.4897	0.7633						
OR380931		1	1						
WS REED3	30	0.4897	0.7633						
OR380933		1	1						
WS REED2	76	0.4897	0.7633						
OR380932		1	1						
WS REED5	12.7	0.4897	0.7633						
OR380935		1	1						
WS REED6	7	0.4897	0.7633						
OR380936		1	1						
** TXU MINING, APPLICATION 5770									
WR577001	53	MIN320020403		1			P5770_1	P577015770001	
**									
**Application 5767, Herman Stroud. Diversion of 99 ac-ft from Brazos River to fill 32.5 ac-ft capacity off-channel reservoir complex & to irrigate. Staff rec. IF.									
IF576701	119155	5767IF20020329		1			IF5767_1		
WR576741	30	57674120020329		1			P5767_1	P576715767001	
WS576741	32.5	0.2710	0.8958						
SO	80	70	576701			1			
**									
** TMPA App 5741, 5783 9/27/02 - JD									
WR573831	0.0	UNIFO20010205		1	2	0.0000	P5738_1	P573815738301	CHAPPELL
HILLS INC Heifer Creek									
WSRP5738	207.95	0.8475	0.6756			0			
WR574131	0.0	UNIFO20010524		1	2	0.0000	P5741_1	P574115741301	CHAPPELL
HILLS INC Heifer Creek									
WSRP5741	631.2	0.8475	0.6756			0			
WR574132	0.0	UNIFO20010524		1	2	0.0000	P5741_2	P574115741302	CHAPPELL
HILLS INC Heifer Creek									
WSR57412	571.3	0.8475	0.6756			0			
** Clark Gardens application 5759									
WR A5759	11.	CLARK20011203		1			P5759_1	P575915759001	CITY
OF MINERAL WELLS ROCK CRK									
WS GRANT	15.	0.4897	0.7633			0			
**									
** GAVRONOVIC, APPLICATION 5752									
** HALE CLAUSE									
IFBRHE68	1216877	5752IF20011018		1			IF5752_1		
IF575203	2741	GAVIF20011018		1			IF5752_2		
WR575203	1200	575220011018		1			P5752_1	P575215752001	
WS R5752	367.26	0.2710	0.8958						
SO	285	560302							
**									
** SOMERVELL COUNTY WATER DISTRICT									
IF574432	7058	5744IF20010627		1			IF5744_1		
WR574432	5000	MUN420010627		1	1	1	SCWD	P5744_1	P574415744001
TO 3 CONT									
TO -5 MIN 5744W CONT									
TO 10 2975									
SO 5000									
WS 5744P	35.2	0.2710	0.8958						
PX	2	2	515731						
WR574431	2000	MUN220010627		1			P5744_2	P574415744002	
WS 5744W	4118								
SO SCWD									
PX	2	2	515731						
**									
** US ARMY CORPS OF ENGINEERS APPLICATION 5658									
** This water right contains a condition allowing back-up of reservoir 5658D with 1000 af									
** from 516431. As 516431 is owned by BRA and permittee has provided no evidence of									
** a contractual agreement, this special condition is not included in the model.									
IF565801	94093	UNIFO19991018		1			IF5658_1		
WR565837	0	UNIFO19991018		1			P5658_1	P565815658001	
WS 5658D	900	0.4897	0.7633						
SO		1000	565801						
WR565833	0	UNIFO19991018		1			P5658_2	P565815658002	
WS 5658A	80	0.4897	0.7633						
WR565834	0	UNIFO19991018		1			P5658_3	P565815658003	
WS 5658B	30	0.4897	0.7633						
WR565836	0	UNIFO19991018		1			P5658_4	P565815658004	
WS 5658C	98	0.4897	0.7633						
IF565801	0	UNIFO19991018		1			IF5658_2		
**									
** Application 5665, Paul Weinman. Diversion of 2448 ac-ft from Brazos River to fill off-channel wetlands project. Staff rec. IF.									
** Application 5665A, Paul Weinman. Change location of point IF measured at. 12/9/02 MT									
**IF5665011325439. IF566520010621 1 IF5665_1									
IFBRR1701352902.		IF566520010621		1			IF5665_1		
WR566541	0.	D&L420010621		1			P5665_1	P566515665001	
WS R5665	1836								
SO	265.4	2448	566501			1			
**									

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** WR/WS/SO/IF Records added/changed by adding P5686, COASTAL BEND PROPERTY DEVELOPMENT
 IF568601 2741. IFD12920000628 1 IFP5686_1
 WR568641 460.33 IRR420000628 1 2 P5686_1 P568615686001 COASTAL
 BEND PROPERTY DEVELOPMENT CLEAR CRK 3309900000 SJGBC3 12
 WSRP5686 46.69 0.2710 0.8958
 SO 460.33 568601
 **

** WR/WS/SO/IF Records added/changed by adding P5729, MICHAEL & FAYE HORTON.
 **IFLEGT47 21247. IFD07620010207 1 IFP5729_1
 A
 **WR572941 60.0 IRR220010207 1 2 0.0000 P5729_1 P572915729001 MICHAEL
 & FAYE HORTON LEON RIVER 2222100000 LEBE49 A 7
 **WSRP5729 48.0 0.2710 0.8958
 **SO 60.0 572901
 **

** WR/WS/SO/IF Records added/changed by adding P5714, City of Pearland
 ** Did not model right, because it is a bed and banks right diverting groundwater based effluent.
 **WR571402 109.8 IRR420001027 1 2 0.0000 P5714_1 P571415714002 CITY
 OF PEARLAND MARY'S CRK SJGBC3 12
 **

** WR/WS/SO/IF Records added/changed by adding P5692, Walter Exploration Inc.
 ** New right added that is contingent on a water sales contract with BRA.
 IFDMAS09 3367. IFD01120000719 1 IFP5692_1
 WR569204 67. MIN120000719 1 2 0.0000 P5692_1 P569215692004 WALTER
 EXPLORATION INC DBL MTN FRK BRAZOS RIVER 5981000000 BRSE11 1
 **

WR370331 255. IRR119681125 1 2 0.0000 C3703_1 C370363703001 W
 T MILLEN BLACKWATER DRAW 9900000000 BSLU07 1
 WSRC3703 191. 0.8109 0.6681 0 0
 WR370431 50.0 IRR119620630 1 2 0.0000 C3704_1 C370463704001 ANNA
 M JOHNSTON ET AL BLACKWATER DRAW 9780000000 BSLU07 1
 WSRC3704 105. 0.8109 0.6681 0 0
 ** Combined reservoirs with two priority dates.
 WR370536 0.0 UNIFO19720406 1 2 0.0000 C3705_1 C370563705306 CITY
 OF LUBBOCK YELLOW HOUSE DRAW 9760000000 BSLU07 1
 WSRC3705 557. 0.8109 0.6681 0 0
 WR370536 0.0 UNIFO19740708 1 2 0.0000 C3705_2 C370563705306 CITY
 OF LUBBOCK YELLOW HOUSE DRAW 9760000000 BSLU07 1
 WSRC3705 577. 0.8109 0.6681 0 0
 WR370536 1162.92 IRR119960610 1 2 0.0000 C3705_3 C370563705003 CITY
 OF LUBBOCK YELLOW HOUSE DRAW 9760000000 BSLU07 1
 WSRC3705 577. 0.8109 0.6681 0 0
 ** This right authorizes use of treated effluent created by the City of Lubbock's use of municipal
 ** water transferred from the Canadian River Basin. Do not model because City of Lubbock WWTP does
 ** not discharge downstream.
 **WR398501 4480. IND119830307 1 2 0.0000 P3985_1 P398513985001 CITY
 OF LUBBOCK EFFLUENT 9759000000 BSLU07 1
 **WR398501 18430. IRR119830307 1 2 0.0000 P3985_2 P398513985001 CITY
 OF LUBBOCK EFFLUENT 9759000000 BSLU07 1
 **

WR370631 0.0 UNIFO19570408 1 2 0.0000 C3706_1 C370663706301 LUBBOCK
 CO WCID 1 N FRK DBL MTN BRAZOS RIVER 9715000000 DMAS09 1
 WSBFSPRG 1829. 0 0
 WR370731 0.0 UNIFO19620416 1 2 0.0000 C3707_1 C370763707301 RANSOM
 CANYON N FRK DBL MTN FRK BRAZOS RIVER 9700000000 DMAS09 1
 WSRC3707 278. 0.8109 0.6681 0 0
 WR370731 150. MUN119720406 1 2 0.0000 C3707_2 C370763707001 RANSOM
 CANYON N FRK DBL MTN FRK BRAZOS RIVER 9700000000 DMAS09 1
 WSRC3707 560. 0.8109 0.6681 0 0
 WR370731 4.0 IRR119800825 1 2 0.0000 C3707_3 C370763707001 RANSOM
 CANYON N FRK DBL MTN FRK BRAZOS RIVER 9700000000 DMAS09 1
 WSRC3707 568. 0.8109 0.6681 0 0
 WR370731 4.0 UNIFO19800825 1 2 0.0000 C3707_4 C370763707001 RANSOM
 CANYON N FRK DBL MTN FRK BRAZOS RIVER 9700000000 DMAS09 1
 WSRC3707 568. 0.8109 0.6681 0 0
 WR370831 120. IRR119660801 1 2 0.0000 C3708_1 C370863708001 DELTON
 CADDELL PLUM CRK 9675000000 DMAS09 1
 WSRC3708 180. 0.8109 0.6681 0 0
 ** Combined three reservoirs with two priority dates.
 WR370941 15.0 IRR119671231 1 2 0.0000 C3709_1 C370963709001 NATHANIEL
 CLARK WOOD JR ET UX N FRK DBL MTN BRAZOS RIVER 9671100000 DMAS09 B 1
 WSRC3709 5.0 0.2710 0.8958 0 0
 WR370941 795. IRR119680417 1 2 0.0000 C3709_2 C370963709001 NATHANIEL
 CLARK WOOD JR ET UX N FRK DBL MTN BRAZOS RIVER 9671100000 DMAS09 1
 WSRC3709 201. 0.2710 0.8958 0 0
 ** This diversion shares off-channel reservoir with WR3709.
 WR370941 450. MIN119680417 1 2 1.0000 C3710_1 C371063710001 R
 E JANES GRAVEL CO N FRK DBL MTN BRAZOS RIVER 9670000000 DMAS09 B 1
 WSRC3709 201. 0.2710 0.8958 0 0
 ** HDR - Removed Post
 **WR371131 5600. MUN119700120 1 2 0.0000 C3711_1 C371163711001 WHITE
 RIVER MWD N FRK DBL MTN BRAZOS RIVER 9661000000 DMAS09 1
 **WSPOSTRE 57420. 0

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**WR371131	1000.	IND119700120	1	2	0.0000		C3711_2	C371163711001			WHITE
RIVER MWD			N	FRK	DBL	MTN		9661000000	DMAS09	1	
**WSPOSTRE	57420.					0					
**WR371131	4000.	MIN119700120	1	2	0.0000		C3711_3	C371163711001			WHITE
RIVER MWD			N	FRK	DBL	MTN		9661000000	DMAS09	1	
**WSPOSTRE	57420.					0					
WR371331	140.	IRR119670630	1	2	0.0000		C3713_1	C371363713001			RAY
ADAMS				DBL	MTN	FRK		9620000000	DMJU08	1	
WSRC3713	430.	0.8109	0.6681			0					
WRP53591	200.	MIN119910519	1	2	0.0000		P5359_1	P535915359001			TORCH
OPERATING COMPANY			S	FRK	DBL	MTN		9591000000	DMJU08	B	1
WR371431	63.0	IRR119691211	1	2	0.0000		C3714_1	C371463714001			MARTIN
ALLEN PARKS				DBL	MTN	FRK		9590000000	DMJU08	1	
WSRC3714	185.	0.8109	0.6681			0					
WR371531	166.	MUN119271116	1	2	0.0000		C3715_1	C371563715001			POST
INDEPENDENT SCHOOL DIST				COON	CRK			9587000000	DMAS09	1	
WSRC3715	526.	0.8109	0.6681			0					
WR371631	134.	IRR119581231	1	2	0.0000		C3716_1	C371663716002			CAROL
SUE REED				GRAPE	CRK			9570000000	DMAS09	1	
WSRC3716	2.0	0.8109	0.6681			0					
***** Subordination to PK *****											
WR4146P1	35000.	MUN119811005	1	2	0.0000		P4146S1	P4146 MUNGARZ			BRAZOS
RIVER AUTHORITY			S	FRK	DBL	MTN		9568000000	DMAS09	1	
WSALANHN	89959.					0					
PX	1										
WR4146P1	35000.	MUN119811005	1	2	0.0000		P4146_1	P4146 MUNGARZ			BRAZOS
RIVER AUTHORITY			S	FRK	DBL	MTN		9568000000	DMAS09	1	
WSALANHN	89959.					0					
PX	2	2	515531								
** Secondary use of treated wastewater is authorized but not modeled.											
**WR4146P1	21000.	IRR119811005	1	2	0.0000		P4146_2	P414614146001			BRAZOS
RIVER AUTHORITY			S	FRK	DBL	MTN		9568000000	DMAS09	1	
**WSALANHN	115937.					0					
WR4146P1	0.0	IND119811005	1	2	0.0000		P4146S3	P4146 INDGARZ			BRAZOS
RIVER AUTHORITY			S	FRK	DBL	MTN		9568000000	DMAS09	1	
WSALANHN	89959.					0					
PX	1										
WR4146P1	0.0	IND119811005	1	2	0.0000		P4146_3	P4146 INDGARZ			BRAZOS
RIVER AUTHORITY			S	FRK	DBL	MTN		9568000000	DMAS09	1	
WSALANHN	89959.					0					
PX	2	2	515531								

WR371701	420.	IRR119510831	1	2	0.0000		C3717_1	C371763717001			BALDRIDGE
FAMILY LAND TX PARTN				DBL	MTN	FRK		9566000000	DMAS09	1	
WR371803	3525.	MIN119580305	1	2	0.0000		C3718_1	C371863718003			TEXACO
INC				DBL	MTN	FRK		9565000000	DMAS09	B	1
WR371803	2375.	MIN119690722	1	2	0.0000		C3718_2	C371863718003			TEXACO
INC				DBL	MTN	FRK		9565000000	DMAS09	1	
WR371901	165.	MIN119680624	1	2	0.0000		C3719_1	C371963719001			SUN
EXPLORATION&PROD CO ET AL				DBL	MTN	FRK		9548000000	DMAS09	B	1
WR372031	44.0	IRR119631005	1	2	0.0000		C3720_1	C372063720001			BILLIE
JOE MCCOMBS				RED	CRK			9542000000	DMAS09	1	
WSRC3720	185.	0.8109	0.6681			0					
WR372131	100.	IRR119650228	1	2	0.0000		C3721_1	C372163721001			BRUCE
& PATSY K COX				RED	CRK			9541000000	DMAS09	1	
WSRC3721	176.	0.8109	0.6681			0					
WR372131	26.0	IND119660331	1	2	0.0000		C3721_2	C372163721001			BRUCE
& PATSY K COX				RED	CRK			9541000000	DMAS09	1	
WSRC3721	176.	0.8109	0.6681			0					
WR372203	565.	MIN119720703	1	2	0.0000		C3722_1	C372263722003			SUN
EXPLORATION&PRODUCTION CO				DBL	MTN	FRK		6500000000	DMAS09	B	1
WR528201	235.	MIN119900202	1	2	0.0000		P5282_1	P528215282001			CITATION
1994 INVEST LTD PART				DBL	MTN	FRK		5980000000	BRSE11	B	1
WR372401	1016.	IRR119550831	1	2	0.0000		C3724_1	C372463724001			DON
W DAVIS				DBL	MTN	FRK		5904900000	BRSE11	1	
WR5162P1	8.0	IRR119871112	1	2	0.0000		P5162_1	P516215162001			CITY
OF ASPERMONT				TONK	CRK			5904500000	BRSE11	1	
WSRP5162	1196.	0.8109	0.6681			0					
WR369431	47.0	IRR119661202	1	2	0.0000		C3694_1	C369463694001			W
C HUFFAKER JR				YELLOWHOUSE	CRK			5904000000	SFPE04	1	
WSRC3694	108.	0.8109	0.6681			0					
WR369531	80.0	IRR119690929	1	2	0.0000		C3695_1	C369563695001			MARVIN
SHURBET				MCDONALD	CRK			5903500000	SFPE04	1	
WSRC3695	1.0	0.8109	0.6681			0					
WR366431	3.0	IRR119760927	1	2	0.0000		C3664_1	C366463664001			TRUMAN
& MARY ELLEN MCKILLIP				CATFISH	DRAW			5891000000	RWPL01	1	
WSRC3664	1.5	0.8109	0.6681			0					
WR366531	50.0	IRR119780731	1	2	0.0000		C3665_1	C366563665001			TRUMAN
MCKILLIP				CATFISH	DRAW			5890500000	RWPL01	1	
WSRC3665	190.	0.8109	0.6681			0					
WR366631	14.0	IRR119660530	1	2	0.0000		C3666_1	C366663666001			ARVEL
& ETHEL MAE FLEMING				CATFISH	DRAW			5890000000	RWPL01	1	
WSRC3666	14.0	0.8109	0.6681			0					

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WR366731	125.	IRR119680417	1	2	0.0000	C3667_1	C366763667001		"HELEN
ARLINE ESTLACK, ET VIR"		CATFISH DRAW					5889000000 RWPL01	1	
WSRC3667	125.	0.8109 0.6681			0				
WR366831	75.0	IRR119680205	1	2	0.0000	C3668_1	C366863668001		"ARLINE
L. HARTZOG, JR., ET UX"		CATFISH DRAW					5888000000 RWPL01	1	
WSRC3668	75.0	0.8109 0.6681			0				
WR366931	0.0	UNIF019770606	1	2	0.0000	C3669_1	C366963669001		KUNTZ
CATTLE COMPANY		RUNNING WATER DRAW					5887700000 RWPL01	1	
WSRC3669	30.0	0.8109 0.6681			0				
WR367032	120.	IRR119691117	1	2	0.0000	C3670_1	C367063670001		RANDY
K. AND DEBRA LOU ROBERTS		RUNNING WATER DRAW					5887400000 RWPL01	1	
WSRC3670	90.0	0.8109 0.6681			0				
** The reservoir is shared by 12-3671, 3672, 3673, and 3674.									
WR367131	338.	IRR119750310	1	2	0.0000	C3671_1	C367163671001		J.W.
GAMMON		RUNNING WATER DRAW					5887220000 RWPL01	1	
WSRC3671	4427.	0.8109 0.6681			0				
WR367131	988.	IRR119750310	1	2	0.0000	C3672_1	C367263672001		A.
WAYNE CLARK		RUNNING WATER DRAW					5887210000 RWPL01	1	
WSRC3671	4427.	0.8109 0.6681			0				
WR367131	26.0	IRR119750310	1	2	0.0000	C3674_1	C367463674001		JIM
ROY DANIEL		RUNNING WATER DRAW					5887200000 RWPL01	1	
WSRC3671	4427.	0.8109 0.6681			0				
WR367131	1248.	IRR119750310	1	2	0.0000	C3673_1	C367363673001		R
J SANDERSON		RUNNING WATER DRAW					5887190000 RWPL01	1	
WSRC3671	4427.	0.8109 0.6681			0				
** Instream Flow Req: pass inflows up to 0.5 cfs, REMOVED, RESTRICTION FOR DS WRS									
**IF406431	362.	UNIF019830711	1			IFP4064_1			
WR406431	60.0	IRR119830711	1	2	0.0000	P4064_1	P406414064001		DAVID
W SMITH ET UX		RUNNING WATER DRAW					5886850000 RWPL01	1	
WSRP4064	200.	0.8109 0.6681			0				
WR367531	86.0	IRR119610630	1	2	0.0000	C3675_1	C367563675001		TOM
MCGILL		RUNNING WATER DRAW					5886800000 RWPL01	1	
WSRC3675	12.0	0.8109 0.6681			0				
WR367631	10.0	IRR119690929	1	2	0.0000	C3676_1	C367663676001		THE
TWELVE CO A TX CORP		N FRK RUNNING WATER DRAW					5885500000 RWPL01	1	
WSRC3676	10.0	0.8109 0.6681			0				
WR367731	31.0	IRR119700209	1	2	0.0000	C3677_1	C367763677001		WILMA
LEMONS		N FRK RUNNING WATER DRAW					5885000000 RWPL01	1	
WSRC3677	31.0	0.8109 0.6681			0				
WR367731	31.0	IRR119700209	1	2	0.0000	C3677_2	C367763677001		KEITH
DAVID LEMONS ET AL		N FRK RUNNING WATER DRAW					5885000000 RWPL01	1	
WSRC3677	31.0	0.8109 0.6681			0				
WR367831	40.0	IRR119681009	1	2	0.0000	C3678_1	C367863678001		ROY
TAACK		N FRK RUNNING WATER DRAW					5884500000 RWPL01	1	
WSRC3678	10.0	0.8109 0.6681			0				
WR367931	2.5	IRR119730625	1	2	0.0000	C3679_1	C367963679001		L
D AMERSON		N FRK RUNNING WATER DRAW					5884400000 RWPL01	1	
WSRC3679	2.0	0.8109 0.6681			0				
WR368031	1.2	IRR119780731	1	2	0.0000	C3680_1	C368063680001		K
W CARSON		N FRK RUNNING WATER DRAW					5884280000 RWPL01	1	
WSRC3680	3.5	0.8109 0.6681			0				
WR368131	1.0	IRR119771219	1	2	0.0000	C3681_1	C368163681001		MARJORIE
W HECK		RUNNING WATER DRAW					5884100000 RWPL01	1	
WSRC3681	1.2	0.8109 0.6681			0				
WR381301	8.0	IRR119810324	1	2	0.0000	P3813_1	P381313813001		FRANKLIN
G GABRIEL ET AL		RUNNING WATER DRAW					5884050000 RWPL01	1	
WR368231	28.0	IRR119700401	1	2	0.0000	C3682_1	C368263682001		RANDY
FALKENBERG ET UX		RUNNING WATER DRAW					5884000000 RWPL01	1	
WSRC3682	28.0	0.8109 0.6681			0				
WR368331	110.	IRR119760329	1	2	0.0000	C3683_1	C368363683001		HIGH
PLAINS PAVERS INC		RUNNING WATER DRAW					5883500000 RWPL01	1	
WSRC3683	110.	0.8109 0.6681			0				
WR368431	80.0	IRR119760315	1	2	0.0000	C3684_1	C368463684001		RICKY
JOE JAMES		SLATON DRAW					5882970000 RWPL01	1	
WSRC3684	3.0	0.8109 0.6681			0				
WR368531	150.	IRR119750714	1	2	0.0000	C3685_1	C368563685001		FRED
KEESE JR		SLATON DRAW					5882900000 RWPL01	1	
WSRC3685	200.	0.8109 0.6681			0				
WR368531	170.	IRR119790521	1	2	0.0000	C3685_2	C368563685001		FRED
KEESE JR		SLATON DRAW					5882900000 RWPL01	1	
WSRC3685	424.	0.8109 0.6681			0				
** Diversions limited to availability of water from City of Plainview WWTP.									
WR368601	120.	IRR119761115	1	2	0.0000	C3686_1	C368663686001		BILLY
H TODD		RUNNING WATER DRAW					5882400000 WRSP02	1	
SO		105371							
** Diversions limited to availability of water from City of Plainview WWTP.									
WR368701	75.0	IRR119761115	1	2	0.0000	C3687_1	C368763687001		GRADY
D ELLIS		RUNNING WATER DRAW					5882200000 WRSP02	1	
SO		105371							
** Diversions limited to availability of water from City of Plainview WWTP.									
WR391501	60.0	IRR119820510	1	2	0.0000	P3915_1	P391513915001		TEXAS
DEPT OF CRIMINAL JUSTICE		RUNNING WATER DRAW					5882150000 WRSP02	1	
SO		105371							

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WR368801	87.0	IRR119630131	1	2	0.0000		C3688_1	C368863688001			JOEL
B. MITCHELL						RUNNING WATER DRAW		5882100000	WRSP02	1	
** Diversions limited to availability of water from City of Plainview WWTP.											
WRP40351	200.	IRR119830531	1	2	0.0000		P4035_1	P403514035001			MAURICE
HASTEY						RUNNING WATER DRAW		5881800000	WRSP02	B	1
SO		105371									
WR540501	4.0	IRR119920305	1	2	0.0000		P5405_1	P540515405001			HORNE
& OWEN						RUNNING WATER DRAW		5881700000	WRSP02	1	
WR368931	48.0	IRR119690310	1	2	0.0000		C3689_1	C368963689001			GLENITH
B. AMONETT						CRAWFISH DRAW		5872000000	WRSP02	1	
WSRC3689	48.0	0.8109	0.6681			0					
WR369001	2.0	IRR119601231	1	2	0.0000		C3690_1	C369063690001			CHARLES
DONALD SCHULER						CRAWFISH DRAW		5870500000	WRSP02	1	
WR369131	11.0	IRR119631112	1	2	0.0000		C3691_1	C369163691001			DONNA
H & CLYDE SNOW TRUSTEES						CRAWFISH DRAW		5870000000	WRSP02	1	
WSRC3691	150.	0.8109	0.6681			0					
WR369231	29.0	IRR119530512	1	2	0.0000		C3692_1	C369263692001			OTIS
W ENGLISH JR ET AL						WHITE RIVER		5860000000	WRSP02	1	
WSRC3692	14.5	0.8109	0.6681			0					
WR369331	4000.	MUN119580922	1	2	0.0000		C3693_1	C369363693001			WHITE
RIVER MWD						WHITE RIVER		5850000000	WRSP02	1	
WSWHTRVR	3347.					0					
WR369331	2000.	MIN119580922	1	2	0.0000		C3693_2	C369363693001			WHITE
RIVER MWD						WHITE RIVER		5850000000	WRSP02	1	
WSWHTRVR	3347.					0					
WR369331	0.0	MIN119601121	1	2	0.0000		C3693_3	C369363693001			WHITE
RIVER MWD						WHITE RIVER		5850000000	WRSP02	1	
WSWHTRVR	3347.					0					
WR369331	0.0	MIN119710816	1	2	0.0000		C3693_4	C369363693001			WHITE
RIVER MWD						WHITE RIVER		5850000000	WRSP02	1	
WSWHTRVR	3347.					0					
WR369631	260.	IRR119650914	1	2	0.0000		C3696_1	C369663696001			O
J & ELEANORA S BARRON						DUCK CRK		5847000000	DUGI03	1	
WSRC3696	634.	0.8109	0.6681			0					
WR369731	0.0	UNIFO19720828	1	2	0.0000		C3697_1	C369763697301			O
J & ELEANORA S BARRON						ROCK HOUSE		5846500000	DUGI03	1	
WSRC3697	338.	0.8109	0.6681			0					
WR369831	768.	IRR119660801	1	2	0.0000		C3698_1	C369863698001			O.J.
& ELEANORA S. BARRON						COTTONWOOD CRK		5846000000	DUGI03	1	
WSRC3698	2249.	0.8109	0.6681			0					
WR369931	160.	IRR119690602	1	2	0.0000		C3699_1	C369963699001			JOHN
R. & KATHRYN HUNTER						DOCKUM CRK		5843000000	DUGI03	1	
WSRC3699	437.	0.8109	0.6681			0					
WR370031	160.	IRR119691117	1	2	0.0000		C3700_1	C370063700001			JESSE
H & RUBY DAUGHERTY						DOCKUM CRK		5842700000	DUGI03	1	
WSRC3700	168.	0.8109	0.6681			0					
WR370131	0.0	IRR119251001	1	2	0.0000		C3701_1	C370163701301			COUNTY
OF KENT						BACKBONE CRK		5840000000	SFPE04	1	
WSRC3701	296.	0.8109	0.6681			0					
WR370231	0.0	UNIFO19691124	1	2	0.0000		C3702_1	C370263702301			DON
H MURPHY						S CAMP HOLLOW		5826000000	SFAS06	1	
WSRC3702	850.	0.4897	0.7633			0					
** Authorized to divert underflow of the Brazos River. Subject to a Water Supply Agreement with the BRA											
** to divert upstream of BRA reservoir. Junior priority of right will not allow it to affect downstream											
** senior rights, so it is included in model at its date of priority.											
WR524201	1552.	MIN119890601	1	2	0.0000		P5242_1	P524215242001			PHILLIPS
PETROLEUM CO						BRAZOS RIVER		5815000000	BRSE11	B	2
WR341131	75.0	IRR119780130	1	2	0.0000		C3411_1	C341163411001			JAMES
C HENDERSON						UNKNOWN TRIB		5814000000	BRSE11	2	
WSRC3411	114.	0.8109	0.6681			0					
WR341231	0.0	D&L119770328	1	2	0.0000		C3412_1	C341263412301			ANNE
BURNETT WINDFOHR						LTL CROTON CRK		5813000000	BRSE11	2	
WSRC3412	248.	0.8109	0.6681			0					
** Since this right is contingent on a water supply agreement with the Brazos River Authority, it will											
** not be modeled. According to a memo from TNRCC, this point was deleted from the GIS coverage because											
** the contract with BRA has expired. This right will not be modeled.											
**WR515401	941.	MIN119870909	1	2	0.0000		P5154_1	P515415154001			TEX/CON
OIL & GAS CO						BRAZOS RIVER		5812000000	BRSE11	B	2
**WR515401	706.	MIN119890502	1	2	0.0000		P5154_2	P515415154001			TEX/CON
OIL & GAS CO						BRAZOS RIVER		5812000000	BRSE11	B	2
WR341331	182.	IRR119570831	1	2	0.0000		C3413_1	C341363413001			SAMUEL
E CLONTS, ET AL						WILD HORSE CRK		5811000000	BRSE11	2	
WSRC3413	100.	0.8109	0.6681			0					
** Authorized to divert underflow of the Brazos River. Subject to a Water Supply Agreement with the BRA											
** to divert upstream of BRA reservoir. Junior priority of right will not allow it to affect downstream											
** senior rights, so it is included in model at its date of priority.											
WR543501	235.	MIN119921105	1	2	0.0000		P5435_1	P543515435001			PLAINS
PETROLEUM OPERATING CO						BRAZOS RIVER		5810500000	BRSE11	B	2
WR341431	34.0	MUN119290102	1	2	0.0000		C3414_1	C341463414001			CITY
OF BENJAMIN						DUTCHMAN CRK		5810000000	BRSE11	2	
WSRC3414	915.	0.8109	0.6681			0					
WR344031	2000.	IRR119580613	1	2	0.0000		C3440_1	C344063440004			LEAGUE
RANCH						DUTCHMAN CRK		5805000000	BRSE11	2	
WSDLAVIS	3411.					0					

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WR344032	31.0	IRR119650517	1	2	0.0000	C3440_2	C344063440005		LEAGUE
RANCH							5805000000	BRSE11	2
WSRC3440	1750.	0.8109	0.6681		0				
WR344032	0.0	UNIFO19650517	1	2	0.0000	C3440_3	C344063440001		LEAGUE
RANCH							5805000000	BRSE11	2
WSRC3440	1750.	0.8109	0.6681		0				
SO									
WR344031	0.0	UNIFO19720515	1	2	0.0000	C3440_4	C344063440004		LEAGUE
RANCH							5805000000	BRSE11	2
WSLDAVIS	3411.				0				
WR344032	0.0	UNIFO19720515	1	2	0.0000	C3440_5	C344063440005		LEAGUE
RANCH							5805000000	BRSE11	2
WSRC3440	2084.	0.8109	0.6681		0				
WR344131	0.0	UNIFO19391218	1	2	0.0000	C3441_1	C344163441301		CITY
OF MUNDAY							5780000000	BRSE11	2
WSRC3441	150.	0.8109	0.6681		0				
WR344231	50.0	IRR119701123	1	2	0.0000	C3442_1	C344263442001		SEYMOUR
GOLF & COUNTRY CLUB							5777000000	BRSE23	2
WSRC3442	95.0	0.8109	0.6681		0				
WR344302	28.0	IRR119631231	1	2	0.0000	C3443_1	C344363443002		NORTH
CENTRAL TEXAS MWA ET AL							5776010000	BRSE23	2
WR344431	3500.	MUN119581001	1	2	0.0000	C3444_1	C344463444001		NORTH
CENTRAL TEXAS MWA ET AL							5776000000	BRSE23	2
WSMLRCRK	12811.				0				
WR344431	1000.	IND119581001	1	2	0.0000	C3444_2	C344463444001		NORTH
CENTRAL TEXAS MWA ET AL							5776000000	BRSE23	2
WSMLRCRK	12811.				0				
WR344431	500.	MIN119581001	1	2	0.0000	C3444_3	C344463444001		NORTH
CENTRAL TEXAS MWA ET AL							5776000000	BRSE23	2
WSMLRCRK	12811.				0				
WR344501	31.0	IRR119310831	1	2	0.0000	C3445_1	C344563445001		PATSY
STOUT COOPER ET AL							5775250000	BRSE23	2
WR344631	9.0	IRR119590902	1	2	0.0000	C3446_1	C344663446001		J
J KEETER TRUST & CLYDE STUTEVILLE							5751000000	BRSE23	2
WSRC3446	125.	0.8109	0.6681		0				
WR344701	45.0	IRR119640531	1	2	0.0000	C3447_1	C344763447001		R
T WELLS JR							5750220000	BRSE23	2
WR344801	45.0	IRR119660228	1	2	0.0000	C3448_1	C344863448001		GEORGE
W WILKINSON							5750200000	BRSE23	2
WSRC3448	2.0	0.8109	0.6681		0				
WR344931	0.0	D&L119500123	1	2	0.0000	C3449_1	C344963449301		THROCKMORTON
LAND & CATTLE CO							5750000000	BRSE23	2
WSRC3449	705.	0.8109	0.6681		0				
WR345031	600.	MUN119401120	1	2	0.0000	C3450_1	C345063450001		CITY
OF THROCKMORTON							5720000000	BRSE23	2
WSRC3450	1675.	0.8109	0.6681		0				
WR345101	26.0	IRR119660831	1	2	0.0000	C3451_1	C345163451001		GEORGE
W WILKINSON							5700100000	BRSE23	2
WR345141	27.0	IND119660831	1	2	0.0000	C3451_2	C345163451401		GEORGE
W WILKINSON							5700100000	BRSE23	2
** Two reservoirs modeled as a single reservoir.									
WR345232	250.	MUN119661122	1	2	0.0000	C3452_1	C345263452001		CITY
OF NEWCASTLE							5685000000	BRSE23	2
WSRC3452	751.	0.8109	0.6681		0				
WR420631	40.0	IRR119270908	1	2	0.0000	C4206_1	C420664206001		TERRY
T POSEY ET UX							5600100000	CFRO13	2
WSRC4206	13.0	0.8109	0.6681		0				
WR411531	45.0	IND119581231	1	2	0.0000	C4115_1	C411564115001		H
& H FEEDLOT INC							5594000000	CFHA14	2
WSRC4115	127.	0.8109	0.6681		0				
WR411601	2.0	IRR119261231	1	2	0.0000	C4116_1	C411664116001		MARJORIE
HAMBRIGHT							5592800000	CFHA14	2
WR411701	1.0	IRR119551231	1	2	0.0000	C4117_1	C411764117001		DR
HELEN F YEATS							5592600000	CFHA14	2
WR411931	5.0	IRR119631231	1	2	0.0000	C4119_1	C411964119001		ALFRED
L. CAREY ET UX							5592300000	CFHA14	D 2
WSRC4119	5.0	0.8109	0.6681		0				
WR411801	8.0	IRR119631231	1	2	0.0000	C4118_1	C411864118001		ZANNA
H ANDERSON							5592250000	CFHA14	2
WR412031	74.0	IRR119371231	1	2	0.0000	C4120_1	C412064120001		MAX
D. CARRIKER ESTATE ETAL							5591500000	CFHA14	2
WSRC4120	15.0	0.8109	0.6681		0				
WR412131	263.	IRR119360531	1	2	0.0000	C4121_1	C412164121001		WILLARD
L. BURK							5591350000	CFHA14	2
WSRC4121	26.0	0.8109	0.6681		0				
WR412231	60.0	IRR119621231	1	2	0.0000	C4122_1	C412264122001		MAX
D. CARRIKER ESTATE							5591000000	CFHA14	2
WSRC4122	22.0	0.8109	0.6681		0				
WR412331	17.0	IRR119280229	1	2	0.0000	C4123_1	C412364123001		FREDDIE
MAC STUART							5570000000	CFHA14	2
WSRC4123	12.0	0.8109	0.6681		0				
WR412401	55.0	IRR119260403	1	2	0.0000	C4124_1	C412464124001		"ALFRED
S. WALDROP, ETAL"							5540000000	CFHA14	D 2
** All of this right was severed and transferred to C4072.									

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**WR412531	117.	IRR119620531	1	2	0.0000	C4125_1	C412564125001			REX
& NEVA HALL							5539000000	CFHA14	2	
**WSRC4125	2.0	0.8109	0.6681	0	0					
WR412531	0.	D&L119620531	1	2	0.0000	C4125_1	C412564125001			REX
& NEVA HALL							5539000000	CFHA14	2	
WSRC4125	2.0	0.8109	0.6681	0	0					
WR407201	117.	IRR219620531	1	2	0.0000	C4072_3	C407264072001			JAMES
E ANTHONY ET AL							3289100000	BRGR30	5	
** Two reservoirs modeled as a single reservoir.										
WR412631	55.0	IRR119491231	1	2	0.0000	C4126_1	C412664126001			BOYD
H. LAKEY							5538000000	CFHA14	2	
WSRC4126	20.0	0.8109	0.6681	0	0					
WR412701	120.	IRR119670430	1	2	0.0000	C4127_1	C412764127001			JAMES
RANDOLPH SCOTT							5514800000	CFHA14	2	
WR412831	2000.	MUN119141008	1	2	0.0000	C4128_1	C412864128001			CITY
OF SWEETWATER							5510000000	CFHA14	2	
WSRC4128	2500.	0.8109	0.6681	0	0					
** IBT of 7,000 acft/yr from Colorado River Basin.										
WRIB4128	7000.	MUN119141008	1	2	0.0000	C4128_2	C412864128001			CITY
OF SWEETWATER							5510000000	CFHA14	2	
WR412931	40.0	IRR119160706	1	2	0.0000	C4129_1	C412964129001			"SWEETWATER
COUNTRY CLUB, INC"		KILDOOGAN					5480000000	CFHA14	2	
WSRC4129	892.	0.4897	0.7633	0	0					
WR413031	2730.	MUN119271017	1	2	0.0000	C4130_1	C413064130001			CITY
OF SWEETWATER							5420000000	CFHA14	2	
WLSWEET	10000.									
WR413031	960.	IND119271017	1	2	0.0000	C4130_2	C413064130001			CITY
OF SWEETWATER							5420000000	CFHA14	2	
WLSWEET	10000.									
WR413031	50.0	IRR119271017	1	2	0.0000	C4130_3	C413064130001			CITY
OF SWEETWATER							5420000000	CFHA14	2	
WLSWEET	10000.									
WR413201	212.	IRR119651231	1	2	0.0000	C4132_1	C413264132001			HARRY
C. REAUGH & WIFE							5403000000	CFHA14	2	
WR413331	225.	IRR119641231	1	2	0.0000	C4133_1	C413364133001			JAMES
FARRINGTON ET AL							5385000000	CFNU16	2	
WSRC4133	7.0	0.8109	0.6681	0	0					
WR413431	45.0	IRR119691006	1	2	0.0000	C4134_1	C413464134001			BILLY
DOAN							5296000000	MUHA15	2	
WSRC4134	96.0	0.4897	0.7633	0	0					
WR413531	28.0	IRR119660502	1	2	0.0000	C4135_1	C413564135001			HUGH
T. LILLY							5290000000	MUHA15	2	
WSRC4135	150.	0.8109	0.6681	0	0					
WR413631	338.	MIN119480722	1	1	0.5000	C4136_1	C413664136001			NELSON
PUETT							5285000000	CFNU16	2	
WSRC4136	850.	0.8109	0.6681	0	0					
WR413631	7.0	IND119480722	1	2	0.0000	C4136_2	C413664136001			NELSON
PUETT							5285000000	CFNU16	2	
WSRC4136	850.	0.8109	0.6681	0	0					
WR413631	0.0	UNIFO19480722	1	2	0.0000	C4136_3	C413664136001			NELSON
PUETT							5285000000	CFNU16	2	
WSRC4136	850.	0.8109	0.6681	0	0					
WR413701	54.0	IRR119260713	1	2	0.0000	C4137_1	C413764137001			ROSS
S BRADFORD ET UX							5260000000	CFNU16	2	
WR413801	2.0	IRR119640316	1	2	0.0000	C4138_1	C413864138001			THOMAS
J MARSHALL & WIFE							5210000000	CFNU16	2	
WR414001	165.	IRR119661231	1	2	0.0000	C4140_1	C414064140001			RALPH
BRIDWELL ET UX							5164800000	CFNU16	D 2	
WR414231	1675.	MUN119180123	1	4	RABIL1 103341	C4142_1	C414264142001			CITY
OF ABILENE							5160000000	CFNU16	2	
WSABILNE	2055.				0					
IF4143012171.933		UNIFO19721218	1			IFC4143_1				
WR414331	0.0	UNIFO19721218	1	2	0.0000	C4143_1	C414364143301			KICKAPOO
LAND CO							5151000000	CFNU16	2	
WSRC4143	66.0	0.8109	0.6681	0	0					
SO	50.									
WR414431	73.0	IND119641231	1	2	0.0000	C4144_1	C414464144001			BILL
JAY ET AL							5139100000	CFNU16	2	
WSRC4144	120.	0.8109	0.6681	0	0					
WR414531	168.	IND119641231	1	2	0.0000	C4145_1	C414564145001			"BILL
JAY, ET AL"							5139000000	CFNU16	2	
WSRC4145	150.	0.8109	0.6681	0	0					
WR414631	4.0	IRR119480531	1	2	0.0000	C4146_1	C414664146001			J
H TAYLOR GAS COMPANY							5104100000	CFNU16	2	
WSRC4146	6.0	0.8109	0.6681	0	0					
WR414703	14.0	IRR119630531	1	2	0.0000	C4147_1	C414764147003			LEE
ARTHUR PRESSWOOD							5104050000	CFNU16	2	
WR414801	5.0	IRR119640831	1	2	0.0000	C4148_1	C414864148001			RILEY
G MAXWELL CO ET AL							5104000000	CFNU16	2	
WR414901	42.0	IRR119630430	1	2	0.0000	C4149_1	C414964149001			NOEL
W. PETRE							5103000000	CFNU16	2	
WR415031	3765.	MUN119271010	1	2	0.0000	C4150_1	C415064150001			CITY
OF ABILENE							5100000000	CFNU16	2	
WS KIRBY	5009.				0					

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WR415031	115.	IRR119271010	1	2	0.0000		C4150_2	C415064150001				CITY
OF ABILENE						CEDAR CRK		5100000000	CFNU16	2		
WS KIRBY	5009.				0							
** This part of the right expires March 12, 2004, type A term.												
**WR415031	1120.	IRR119790312	1	2	0.0000		C4150_3	C415064150001				CITY
OF ABILENE						CEDAR CRK		5100000000	CFNU16	A 2		
**WS KIRBY	5009.				0							
** Only model recreation and storage part of the right since the irrigation is based on purchasing water from the City of Abilene.												
WR3721P1	0.0	UNIFO19790312	1	2	0.0000		P3721_1	P372163721301				MCTAN
CORPORATION						BUTTONWILLOW		5095000000	DMAS09	2		
WSRP3721	128.	0.4897	0.7633		0	0						
**												
WR415231	230.	MUN119140610	1	2	0.0000		C4152_1	C415264152001				WEST
TEXAS UTILITIES CO.						LYTLE		5040000000	CFNU16	2		
WSRC4152	1184.	0.4897	0.7633		0	0						
WR415231	0.0	UNIFO19140610	1	2	0.0000		C4152_2	C415264152001				WEST
TEXAS UTILITIES CO.						LYTLE		5040000000	CFNU16	2		
WSRC4152	1184.	0.4897	0.7633		0	0						
** Do not model. Industrial for emergency standby for power plant use is also authorized under C4153.												
**WR415231	360.	IND119671121	1	2	0.0000		C4152_3	C415264152001				WEST
TEXAS UTILITIES CO.						LYTLE		5040000000	CFNU16	2		
**WSRC4152	1184.	0.4897	0.7633		0	0						
WR415331	0.0	UNIFO19140610	1	2	0.0000		C4153_1	C415364153001				CITY
OF ABILENE						LYTLE		5035000000	CFNU16	2		
WSRC4153	62.0	0.4897	0.7633		0	0						
** Do not model diversion amount for emergency standby. It is included with CA 4152.												
**WR415301	360.	IND119671121	1	2	0.0000		C4153_2	C415364153001				CITY
OF ABILENE						LYTLE		5035000000	CFNU16	2		
** Owner authorized to impound 6500 acft of the 73,960 acft in Fort Phantom Hill Reservoir.												
WR416131	2500.	IND119281012	1	2	0.0000		C4151_1	C415164161001				WEST
TEXAS UTILITIES CO.						ELM CRK		5030000000	CFNU16	2		
WSFPHNHR	6500.				0							
** Do not model, emergency standby for power plant purposes. Storage only allowed to impound releases from two upstream reservoirs.												
**WR415431	0.0	IND119210512	1	2	0.0000		C4154_1	C415464154001				WEST
TEXAS UTILITIES CO.						CEDAR CRK		5010000000	CFNU16	D 2		
**WSRC4154	10.0	0.8109	0.6681		0	0						
** Right has a complex instream flow requirement that is not modeled. This instream flow requirement is based on monitoring daily flow quantities passed in various lengths of time.												
** WRAP does not have the capabilities to handle this type of instream flow requirement.												
** Only the constant 30 cfs instream flow requirement is included (Special Condition D.).												
IF413931	21719	UNIFO19490803					IFC4139_1					
WR415501	6.0	IRR119591231	1	2	0.0000		C4155_1	C415564155001				RAYMOND
MCNUTT						CEDAR CRK		4935000000	CFNU16	2		
WR415602	5.0	IRR119640531	1	2	0.0000		C4156_1	C415664156002				ROY
ELTON ROBBINS & WIFE						CEDAR CRK		4934500000	CFNU16	2		
WR415701	70.0	IRR119671231	1	2	0.0000		C4157_1	C415764157001				H
C WELCH						CEDAR CRK		4934000000	CFNU16	2		
WR415831	75.0	IRR119441130	1	2	0.0000		C4158_1	C415864158001				ROY
J. GRIFFITH						RAINEY		4933000000	CFNU16	2		
WSRC4158	175.	0.8109	0.6681		0	0						
WR415931	42.0	IRR119381231	1	2	0.0000		C4159_1	C415964159001				J.
C. GRIFFITH						RAINEY		4932500000	CFNU16	2		
WSRC4159	80.0	0.8109	0.6681		0	0						
** Modeled as a single on-channel reservoir.												
WR416031	0.0	UNIFO19741015	1	2	0.0000		C4160_1	C416064160301				WOODROW
W. GRIFFITH						RAINEY		4932050000	CFNU16	2		
WSRC4160	94.0	0.8109	0.6681		0	0						
** Certificates 4139 & 4165 are modeled as BACKUPS to Certificate 4161.												
WR416131	25690.	MUN119370325	1	2	0.0000		C4161_1	ABILFPH64161001				CITY
OF ABILENE						ELM CRK		4901000000	CFNU16	2		
WSFPHNHR	61598.				0							
WR416131	4000.	IND119370325	1	2	0.0000		C4161_2	ABILFPH64161001				CITY
OF ABILENE						ELM CRK		4901000000	CFNU16	2		
WSFPHNHR	61598.				0							
SO						BACKUP						
WR416131	1000.	IRR119370325	1	2	0.0000		C4161_3	ABILFPH64161001				CITY
OF ABILENE						ELM CRK		4901000000	CFNU16	2		
WSFPHNHR	61598.				0							
SO						BACKUP						
***** Subordination with PK *****												
WR416131	0.0	MUN119490803	1	2	0.0000		C4139S1	ABILFPH MUNJONE				CITY OF
ABILENE						CLEAR FRK BRAZOS RIVER		5190000000	CFNU16	2		
WSFPHNHR	61598.				0							
SO	59862.	30000.	413931			BACKUP						
PX	1											
WR416131	0.0	MUN119490803	1	2	0.0000		C4139_1	ABILFPH MUNJONE				CITY OF
ABILENE						CLEAR FRK BRAZOS RIVER		5190000000	CFNU16	2		
WSFPHNHR	61598.				0							
SO	59862.	30000.	413931			BACKUP						
PX	2		2	515531								

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WR416131	0.	MUN119540903	1	2	0.0000	C4165_1	ABILFPH64165001			CITY
OF ABILENE							4890000000	CFNU16	2	
WSFPHNHR	61598.				0					
SO		3000. 416501								
WR413931	0.	MUN119490803	1	2	0.0000	C4139_2	ABILFPH64139001			CITY
OF ABILENE								CFNU16		
WSRC4139	608.	0.8109 0.6681			0					
WR414103	69.0	IRR119670531	1	2	0.0000	C4141_1	C414164141003			DOLLY
KEESE							4899750000	CFNU16	2	
WR416301	44.0	IRR119591231	1	2	0.0000	C4163_1	C416364163001			BILLY
MAC COOK							4897500000	CFNU16	2	
WR416202	179.	IRR119591231	1	2	0.0000	C4162_1	C416264162002			JAMES
H. ICE							4897000000	CFNU16	2	
WR416401	32.0	IRR119661231	1	2	0.0000	C4164_1	C416464164001			J.
N. MONTGOMERY & WIFE							4890500000	CFFG18	2	
WR416601	32.0	IRR119651231	1	2	0.0000	C4166_1	C416664166001			IRLENE
M SMITH ET AL							4889500000	CFFG18	D 2	
** All water available to this right is treated effluent discharged from City of Abilene treatment plant.										
WR426641	4330.0	IRR119850702	1	2	0.0000	P4266_1	P426614266001			CITY
OF ABILENE							4888000000	CFFG18	2	
WSRP4266	1004.	0.2710 0.8958			0					
SO		103341								
WR416731	40.0	MIN119670828	1	2	0.0000	C4167_1	C416764167001			GEOCHEMICAL
SURVEYS							4887000000	CFFG18	2	
WSRC4167	6.4	0.8109 0.6681			0					
WR476701	60.0	IRR119611231	1	2	0.0000	C4767_1	C476764767001			FIRST
NATL BK ABILENE ET AL							4885970000	CFFG18	2	
** WR/WS/SO/IF Records added/changed for C4169, RICHARD SCHKADE.										
** Right modified by changing 5 acft from irrigation to mining use.										
WR416901	62.0	IRR119701019	1	2	0.0000	C4169_1	C416964169001			RICHARD
SCHKADE							4885200000	CFFG18	2	
WR416902	5.0	MIN119701019	1	2	0.0000	C4169_2	C416964169002			RICHARD
SCHKADE							4885200000	CFFG18	2	
WR417003	200.	IRR119620731	1	2	0.0000	C4170_1	C417064170003			J
M ALEXANDER RANCH CO LTD							4885000000	CFFG18	2	
WR417111	310.	IRR119181231	1	2	0.0000	C4171_1	C417164171101			MARY
LOIS WILSON							4872000000	CFFG18	2	
WR417202	92.0	IRR119630731	1	2	0.0000	C4172_1	C417264172002			VIOLET
H FRAZIER							4871000000	CFFG18	2	
WR417301	40.0	IRR119650731	1	2	0.0000	C4173_1	C417364173001			VIOLET
H FRAZIER							4866000000	CFFG18	2	
WR417431	0.0	UNIFO19181002	1	2	0.0000	C4174_1	C417464174301			CITY
OF STAMFORD							4860000000	CFFG18	2	
WSRC4174	375.	0.8109 0.6681			0					
WR417501	21.0	D&L119260701	1	2	0.0000	C4175_1	C417564175001			H
R STASNEY & SONS LTD							4800000000	CFFG18	2	
WR417531	0.0	D&L119341123	1	2	0.0000	C4175_2	C417564175001			H
R STASNEY & SONS LTD							4800000000	CFFG18	2	
WSRC4175	108.	0.8109 0.6681			0					
SO										
WR417501	63.0	MIN119260701	1	1	1.0000	C4175_3	C417564175001			H
R STASNEY & SONS LTD							4800000000	CFFG18	2	
WR417531	0.0	MIN119341123	1	2	0.0000	C4175_4	C417564175001			H
R STASNEY & SONS LTD							4800000000	CFFG18	2	
WSRC4175	108.	0.8109 0.6681			0					
SO										
WR417631	120.	IRR119621231	1	2	0.0000	C4176_1	C417664176001			JOSEPH
ELMER COX							4719000000	CFFG18	D 2	
WSRC4176	1.0	0.8109 0.6681			0					
WR417731	95.0	IRR119551231	1	2	0.0000	C4177_1	C417764177002			W.
B. GRIFFITH ETAL							4718500000	CFFG18	2	
WSRC4177	18.0	0.8109 0.6681			0					
** Two reservoirs modeled as a single reservoir.										
WR417831	78.0	IRR119551231	1	2	0.0000	C4178_1	C417864178004			EMILEE
G. GOFF ETAL							4717000000	CFFG18	2	
WSRC4178	30.0	0.8109 0.6681			0					
** College Lake allowed to release water to supplement Lake Stamford.										
WR417931	10000.	MUN119490608	1	2	0.0000	C4179_1	C417964179001			CITY
OF STAMFORD							4620000000	CFFG18	2	
WSSTMFRD	42618.				0					
WSRC4179	190.	0.8109 0.6681			0					
OR417932					-1					
** C4179, amended to allow diversion from a channel dam up to Lake Stamford.										
**Authorized storage of 705 acft in detention pond is not modeled due to special condition stating										
**that all water impounded is to be released as quickly as possible.										
**										
***** Subordination to PK *****										
WR417931	0.0	MUN119490608	1	4	R41791 417951	C4179S3	C4179 MUNHASK			CITY OF
STAMFORD							4620000000	CFFG18	2	
WSSTMFRD	42618.				0					
SO		10000. 417933								
PX	1									
WR417931	0.0	MUN119490608	1	4	R41791 417951	C4179_3	C4179 MUNHASK			CITY OF
STAMFORD							4620000000	CFFG18	2	

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WR345911	12.0	IRR119640831	1	2	0.0000		C3459_1	C345963459101		ZACK
BURKETT						SALT CRK		3808250000	GHGH24	2
WR346001	76.0	IRR119280820	1	2	0.0000		C3460_1	C346063460001		EAFCO
LIMITED PARTNERSHIP						SALT CRK		3807500000	SHGR26	2
** Model Lakes Eddleman and Graham as a single combined reservoir. Control Point D34583										
** is a dummy control point that utilizes the combined watersheds of both reservoirs.										
WRD34583	4000.	MUN119271121	1	4	R34581	104871	C3458_1	C345863458004		CITY
OF GRAHAM						FLINT CRK		3805000000	GHGH24	2
WSEDLGRM	4503.									
WRD34583	1000.	IND119271121	1	2	0.0000		C3458_2	C345863458004		CITY
OF GRAHAM						FLINT CRK		3805000000	GHGH24	2
WSEDLGRM	4503.									
WRD34583	7000.	MUN119541115	1	4	R34581	104871	C3458_3	C345863458004		CITY
OF GRAHAM						FLINT CRK		3805000000	GHGH24	2
WSEDLGRM	30221.									
WRD34583	7400.	IND119541115	1	2	0.0000		C3458_4	C345863458004		CITY
OF GRAHAM						FLINT CRK		3805000000	GHGH24	2
WSEDLGRM	30221.									
WRD34583	100.	IRR119541115	1	2	0.0000		C3458_5	C345863458004		CITY
OF GRAHAM						FLINT CRK		3805000000	GHGH24	2
WSEDLGRM	30221.									
WRD34583	500.	MIN119541115	3	2	0.0000		C3458_6	C345863458004		CITY
OF GRAHAM						FLINT CRK		3805000000	GHGH24	2
WSEDLGRM	30221.									
WRD34583	0.0	MUN119571116	1	2	0.0000		C3458_7	C345863458004		CITY
OF GRAHAM						FLINT CRK		3805000000	GHGH24	2
WSEDLGRM	30221.									
WR345833	0.0	UNIFO19820208	1	2	0.0000		C3458_8	C345863458003		CITY
OF GRAHAM						FLINT CRK		3805000000	SHGR26	2
WSRC3458	40.	0.8109	0.6681							
WR346101	27.0	IRR119630331	1	2	0.0000		C3461_1	C346163461001		MRS
T T CAMPBELL						SALT CRK		3787000000	SHGR26	2
WR346231	90.0	MUN119770801	1	2	0.0000		C3462_1	C346263462001		CITY
OF BRYSON						E ROCK CRK		3681000000	SHGR26	2
WSRC3462	950.	0.8109	0.6681							
WR346301	16.0	IRR119631231	1	2	0.0000		C3463_1	C346363463001		LORETTA
JANE LEACH						ROCK CRK		3677000000	SHGR26	2

** Possum Kingdom
 ** FNI change
 ** FERC requirements. Using drought index for top 2 tiers
 ** make most junior to include releases (although second pass probably would do that), back up storage, limit to inflow (515501)

IF515531	52897	PKFERC99999999	3	1			IFPOSDOM_UP			
TO	2	MIN			515501					
WSPOSDOM	522047.									
OR515531										
PX	2									
IF5155IF	26449	PKFERC99999999	3	2			IFPOSDOM_MID			
TO	2	MIN			515501					
WSPOSDOM	522047.									
OR515531										
PX	2									
** 20 cfs, no drought index										
IFSHGR26	14491	DAYS99999999	3				IFPOSDOM_20			
TO	2	MIN			515501					
WSPOSDOM	522047.									
OR515531										
PX	2									

**** CB-HDR --- Subordination WR *****										
WR515531	0.	19380405	1	2	0.0000		C5155_0	C5155	IRRPALO	SUBORDINATION
BRAZOS RIVER						3470000000	SHGR26	3		
WSPOSDOM	522047.									
PX	3									
WR515531	0.	MIN219490803	1				C5155BU1	C515565155001		SUBORDINATION
BRAZOS RIVER						3470000000	SHGR26	3		
WSPOSDOM	522047.									
BU	0	C4139_1								
PX	2									
WR515531	0.	MIN219811005	1				C5155BU2	C515565155001		SUBORDINATION
BRAZOS RIVER						3470000000	SHGR26	3		
WSPOSDOM	522047.									
BU	0	P4146								
PX	2									
WR515531	0.	MIN219490608	1				C5155BU3	C515565155001		SUBORDINATION
BRAZOS RIVER						3470000000	SHGR26	3		
WSPOSDOM	522047.									
BU	0	C4179_3								
PX	2									
WR515531	0.	MIN219570528	1				C5155BU4	C515565155001		SUBORDINATION
BRAZOS RIVER						3470000000	SHGR26	3		

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WR515531 15. MIN219380406 1 2 0.0000 C5155_20 C515565155001 BRAZOS
RIVER AUTHORITY BRAZOS RIVER 3470000000 SHGR26 3
WSPOSDOM 522047. 0
**PX 1
WR515531 3600. HYD219380406 1 2 0.0000 C5155_21 C515565155001
WSPOSDOM 522047. 0
**PX 1
** BRA and Brazos Electric Utilities hold a 3,600 acft/yr contract that represents the firm yield
** lost from Possum Kingdom, Whitney, and Granbury due to FERC instream flow requirements at Possum
** Kingdom. Downstream releases for hydropower generation and contractual commitments will frequently
** satisfy the FERC requirements. Because the WAM does not include downstream releases to contractual
** commitments, inflows would be passed through the reservoir more frequently solely to satisfy the FERC
** requirements. Do not model the the FERC requirements. Instead, include the 3,600 acft/yr contract as part
** of the authorized diversions from the reservoir with 100% returned immediately downstream.
**WR515531 3600. HYD219380406 3 1 1.0000 515551 C5155_21 C515565155001 BRAZOS
RIVER AUTHORITY BRAZOS RIVER 3470000000 SHGR26 3
**WSPOSDOM 522047. 0
**PX 3
** SysOp Change:
** Calculate the total depletion for water right 5155.
**WRSR5155 19380406 Compute Dep 5155 SYSTEM
**TO 6 1.0 ADD C5155_1 CONT
**TO 6 1.0 ADD C5155_2 CONT
**TO 6 1.0 ADD C5155_3 CONT
**TO 6 1.0 ADD C5155_4 CONT
**TO 6 1.0 ADD C5155_5 CONT
**TO 6 1.0 ADD C5155_6 CONT
**TO 6 1.0 ADD C5155_7 CONT
**TO 6 1.0 ADD C5155_8 CONT
**TO 6 1.0 ADD C5155_9 CONT
**TO 6 1.0 ADD C5155_10 CONT
**TO 6 1.0 ADD C5155_11 CONT
**TO 6 1.0 ADD C5155_12 CONT
**TO 6 1.0 ADD C5155_13 CONT
**TO 6 1.0 ADD C5155_14 CONT
**TO 6 1.0 ADD C5155_15 CONT
**TO 6 1.0 ADD C5155_16 CONT
**TO 6 1.0 ADD C5155_17 CONT
**TO 6 1.0 ADD C5155_18 CONT
**TO 6 1.0 ADD C5155_19 CONT
**TO 6 1.0 ADD C5155_20 CONT
**TO 6 1.0 ADD C5155_21 CONT
**PX 4
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
**WRSR5155 9999999 19380406 Depletion 5155 SYSTEM
**PX 5
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WR515531 0 19380406 1.0000 5155DP Lumped Dep 5155 SYSTEM 1simdep
**TO 11 1.0 ADD Depletion 5155
**PX 2
**
** Special code to output storage from first simulation
**WRPK_dum 19380406 1simPKstor look
**TO 4 SET POSDOM
**PX 4
**WRPK_dum 9999999 XMONTH19380406 2simPKstor look
**PX 5
** end FNI change
**
WR399901 25.0 IRR219560816 1 2 0.0000 C3999_1 C399963999001 MARVIN
H MCMURREY JR ETAL BRAZOS RIVER 3448000000 BRPP27 3
WR400001 31.0 IRR219630430 1 2 0.0000 C4000_1 C400064000001 CURTIS
MITCHELL BRAZOS RIVER 3427700000 BRDE29 3
WR400101 40.0 IRR219620531 1 2 0.0000 C4001_1 C400164001001 JENNIE
M & M F EWTON BRAZOS RIVER 3427400000 BRDE29 3
WR400231 15.0 IRR219651231 1 2 0.0000 C4002_1 C400264002001 MARJORIE
M YOWELL TRUSTEE TWO BUSH BR 3427300000 BRDE29 3
WSRC4002 200. 0.4897 0.7633 0 0
WR400331 41.0 IRR219740930 1 2 0.0000 C4003_1 C400364003001 MRS
G C MOORE MOORE CRK 3427270000 BRDE29 3
WSRC4003 197. 0.5228 0.8206 0 0
WR400401 5.0 MUN219320318 1 2 0.0000 C4004_1 C400464004001 CITY
OF GRAFORD E FRK KEECHI CRK 3427100000 BRDE29 3
WR400431 50.0 MUN219570201 1 2 0.0000 C4004_2 C400464004001 CITY
OF GRAFORD E FRK KEECHI CRK 3427100000 BRDE29 3
WSRC4004 50.0 0.5228 0.8206 0 0
** Two reservoirs modeled as a single reservoir.
WR400532 781. IRR219320430 1 2 0.0000 C4005_1 C400564005004 W.
J. RHODES ETAL BRAZOS RIVER 3411500000 BRDE29 3
WSRC4005 250. 0.5228 0.8206 0 0
    
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WR400601	63.0	IRR219581231	1	2	0.0000		C4006_1	C400664006001			"SAN
ROC, LLC"						POLLARD CRK		3409000000	BRDE29	3	
** Right is contingent upon return flows from City of Mineral Wells under Certificate 4039.											
WR400701	50.0	IRR219760607	1	2	0.0000		C4007_1	C400764007001			MARY
E. RIPPETOE						POLLARD CRK		3408900000	BRDE29	B 3	
SO		105852									
WR400901	24.0	IRR219621231	1	2	0.0000		C4009_1	C400964009001			ERNEST
E. AMMONS						BRAZOS RIVER		3408600000	BRDE29	3	
WR400901	33.0	IRR219621231	1	2	0.0000		C4010_1	C401064009001			CHARLES
W. & JEAN WELCH						BRAZOS RIVER		3408500000	BRDE29	3	
WR400801	110.	IRR219560701	1	2	0.0000		C4008_1	C400864008001			W.
A. CAREY						BRAZOS RIVER		3408250000	BRDE29	3	
WR401101	8.0	IRR219660731	1	2	0.0000		C4011_1	C401164011001			"JACKIE
LEE CHASTAIN, ET AL"						BRAZOS RIVER		3407500000	BRDE29	3	
WR401431	500.	IRR219260412	1	2	0.0000		C4014_1	C401464014001			FRED
HAGAMAN ET AL						N FRK PALO PINTO CRK		3400000000	PPSA28	3	
WSRC4014	1158.	0.5228	0.8206			0		0			
WR401431	100.	IND219260412	1	2	0.0000		C4014_2	C401464014001			FRED
HAGAMAN ET AL						N FRK PALO PINTO CRK		3400000000	PPSA28	3	
WSRC4014	1158.	0.5228	0.8206			0		0			
WR401501	27.0	IRR219631231	1	2	0.0000		C4015_1	C401564015001			FRED
HAGAMAN ET AL						N FRK PALO PINTO CRK		3394500000	PPSA28	3	
WR401631	22.0	IRR219710517	1	2	0.0000		C4016_1	C401664016001			HUBERT
H CAPPS						RUSSELL CRK		3365500000	PPSA28	3	
WSRC4016	12.0	0.5228	0.8206			0		0			
WR401731	40.0	IRR219731119	1	2	0.0000		C4017_1	C401764017001			LYNDAL
D GARNER JR ET UX						RUSSELL CRK		3365300000	PPSA28	3	
WSRC4017	188.	0.5228	0.8206			0		0			
** Shares reservoir with C4017. Do not model 48 acft off-channel reservoir, because diversion from											
** on-channel reservoir can be used directly and is insufficient to refill off-channel reservoir											
** in a given year.											
WR401731	40.0	IRR219731119	1	2	0.0000		C4018_1	C401864018001			ROSS
HODGES						RUSSELL CRK		3365290000	PPSA28	3	
WSRC4017	188.0	0.5228	0.8206			0		0			
WR401931	160.	MUN219370419	1	2	0.0000		C4019_1	C401964019001			CITY
OF STRAWN						RUSSELL CRK		3360000000	PPSA28	3	
WSRC4019	1200.	0.5228	0.8206			0		0			
WR402001	362.	IRR219630215	1	2	0.0000		C4020_1	C402064020001			PERRY
R. HORTON ETAL						PALO PINTO CRK		3354100000	PPSA28	3	
WR402101	30.0	IRR219710301	1	2	0.0000		C4021_1	C402164021001			R.
J. CARAWAY						SALTY CRK		3353750000	PPSA28	3	
WR402101	41.0	MIN219710301	1	2	0.0000		C4021_2	C402164021001			R.
J. CARAWAY						SALTY CRK		3353750000	PPSA28	3	
WR402201	60.0	IRR219630430	1	2	0.0000		C4022_1	C402264022001			PENNY
SPARKS						PALO PINTO CRK		3353500000	PPSA28	3	
WR402331	30.0	IRR219640430	1	2	0.0000		C4023_1	C402364023001			A.
D. CRAWFORD						W FRK PALO PINTO CRK		3353000000	PPSA28	3	
WSRC4023	30.0	0.5228	0.8206			0		0			
WR402531	60.0	MUN219731015	1	2	0.0000		C4025_1	C402564025002			TARRANT
INVESTMENT CO INC						GIBSON CRK		3350490000	PPSA28	3	
WSRC4025	700.	0.5228	0.8206			0		0			
WR402531	30.0	MIN219731015	1	2	0.0000		C4025_2	C402564025002			TARRANT
INVESTMENT CO INC						GIBSON CRK		3350490000	PPSA28	3	
WSRC4025	700.	0.5228	0.8206			0		0			
WR402531	0.0	UNIF019731015	1	2	0.0000		C4025_3	C402564025002			TARRANT
INVESTMENT CO INC						GIBSON CRK		3350490000	PPSA28	3	
WSRC4025	700.	0.5228	0.8206			0		0			
WR402531	20.0	MUN219731015	1	2	0.0000		C4026_1	C402664026001			"THURBER
LAKE RESORT, INC."						GIBSON CRK		3350485000	PPSA28	3	
WSRC4025	700.	0.5228	0.8206			0		0			
WR402531	0.0	UNIF019731015	1	2	0.0000		C4026_2	C402664026001			"THURBER
LAKE RESORT, INC."						GIBSON CRK		3350485000	PPSA28	3	
WSRC4025	700.	0.5228	0.8206			0		0			
WR402731	80.0	IRR219650120	1	2	0.0000		C4027_1	C402764027001			JACK
R DAUGHERTY						GIBSON CRK		3350000000	PPSA28	3	
WSRC4027	969.	0.5228	0.8206			0		0			
WR402431	115.	MUN219730604	1	2	0.0000		C4024_1	C402464024001			CITY
OF GORDON						PANTHER CRK		3349500000	PPSA28	3	
WSRC4024	698.	0.5228	0.8206			0		0			
WR402432	45.0	MUN219780522	1	2	0.0000		C4024_2	C402464024002			CITY
OF GORDON						PANTHER CRK		3349500000	PPSA28	3	
WSLC4024	60.0	0.5228	0.8206			0		0			
WR402431	245.	MUN219911031	1	2	0.0000		C4024_3	C402464024001			CITY
OF GORDON						PANTHER CRK		3349500000	PPSA28	3	
WSRC4024	1023.	0.5228	0.8206			0		0			
WR402831	38.0	IRR219330531	1	2	0.0000		C4028_1	C402864028003			J
L MCDANIEL						BARTON CRK		3348750000	PPSA28	3	
WSRC4028	30.0	0.5228	0.8206			0		0			
WR402931	2.0	IRR219700105	1	2	0.0000		C4029_1	C402964029001			"EARL
WADDELL, INC."						DRY CRK		3348200000	PPSA28	3	
WSRC4029	26.0	0.5228	0.8206			0		0			
WR403031	0.0	UNIF019770207	1	2	0.0000		C4030_1	C403064030301			"EARL
WADDELL, INC."						JOE'S CRK		3347500000	PPSA28	3	
WSRC4030	307.	0.5228	0.8206			0		0			

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WR403201	16.0	IRR219650731	1	2	0.0000		C4032_1	C403264032001			CHARLIE
RAY COCKBURN						PALO PINTO CRK		3346000000	PPSA28	3	
** Four reservoirs combined into one single reservoir.											
WR403331	0.0	IND219720626	1	2	0.0000		C4033_1	C403364033001			JAMES
R. & JANICE MOORE						PALO PINTO CRK		3345800000	PPSA28	3	
WSRC4033	24.0	0.5228	0.8206		0	0					
WR403331	0.0	IND219720626	1	2	0.0000		C4033_2	C403364033001			JAMES
R. & JANICE MOORE						PALO PINTO CRK		3345800000	PPSA28	3	
WSRC4033	24.0	0.5228	0.8206		0	0					
SO		12.	403301			BACKUP					
WR403401	30.0	IRR219550331	1	2	0.0000		C4034_1	C403464034001			J
L MCDANIEL						BIG SUNDAY		3345710000	PPSA28	3	
WR403501	5.0	IRR219631231	1	2	0.0000		C4035_1	C403564035001			J.
E. MCDANIEL						BIG SUNDAY		3345700000	PPSA28	3	
WR403631	55.0	IRR219771011	1	2	0.0000		C4036_1	C403664036001			"EARL
WADDELL, INC."						PANAMA CRK		3345550000	PPSA28	3	
WSRC4036	139.	0.5228	0.8206		0	0					
WR403701	100.	IRR219650430	1	2	0.0000		C4037_1	C403764037001			ROY
E SQUYRES ET AL						PALO PINTO CRK		3344500000	PPSA28	3	
WR403801	150.	IRR219640531	1	2	0.0000		C4038_1	C403864038001			HERMAN
PETTY						PALO PINTO CRK		3339500000	BRDE29	3	
** Total diversion amount of this right in conjunction with the C4039 is limited to 16,000 acft/yr.											
** The 1153 acft reservoir associated with P5447 is not included in operations with Lake Palo Pinto.											
** Returns apportioned to control points according to permitted discharge amounts.											
WR403131	5200.	MUN219620703	1	4	R40311	105852	C4031_1	C403164031001			PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3	
WSPLPNT0	24505.					0					
WR403131	2800.	MUN219620703	1	4	R40311	105851	C4031_2	C403164031001			PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3	
WSPLPNT0	24505.					0					
WR403131	1300.	MUN219620703	1	4	R40311	105852	C4031_3	C403164031001			PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3	
WSPLPNT0	24505.					0					
WR403131	700.	MUN219620703	1	4	R40311	105851	C4031_4	C403164031001			PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3	
WSPLPNT0	24505.					0					
WR403131	3480.	IND219620703	1	2	0.0000		C4031_5	C403164031001			PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3	
WSPLPNT0	24505.					0					
WR403131	0.0	MUN219640908	1	2	0.0000		C4031_6	C403164031001			PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3	
WSPLPNT0	24505.					0					
WR403132	0.	MUN219640908	1	2	0.0000		C4031_7	C403164031002			PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	BRDE29	3	
WSCD4031	24.0	0.5228	0.8206		0	0					
WR401201	236.	IRR219640930	1	2	0.0000		C4012_8	C401264012001			EARL
W. & ANITA GARDNER						PALO PINTO CRK AND BRAZOS RIVER		3335500000	BRDE29	3	
** IF states owner shall not divert water from the Brazos River during the period											
** June 1 through September 30 inclusive unless USGS gauge at Richmond is											
** equal to or greater than 1000 cfs. The 7 reservoirs were lumped together into 3 separate reservoirs.											
** The right is set up to use these reservoirs as backups since they are not allowed to refill from											
** the Brazos.											
IFBRR170	241987.	IFD03119471114				1	IFC4013_1				
WR401304	1329.	IRR219471114	1	2	0.0000		C4013_1	C401364013004			ROCKING
W RANCH LP						BRAZOS RIVER		3330000000	BRDE29	3	
WR401333	0.	IRR219471114	1	2	0.0000		C4013_2	C401364013007			ROCKING
W RANCH LP						BRAZOS RIVER		3330000000	BRDE29	3	
WS1C4013	442.	0.5228	0.8206		0	0					
SO						BACKUP					
WR401335	0.	IRR219471114	1	2	0.0000		C4013_3	C401364013009			ROCKING
W RANCH LP						BRAZOS RIVER		3330000000	BRDE29	3	
WS2C4013	120.	0.5228	0.8206		0	0					
SO						BACKUP					
WR401337	0.	IRR219471114	1	2	0.0000		C4013_4	C401364013011			ROCKING
W RANCH LP						BRAZOS RIVER		3330000000	BRDE29	3	
WS3C4013	84.	0.5228	0.8206		0	0					
SO						BACKUP					
IFBRR170	0	IFD03119471114				1	IFC4013_2				
** This reservoir is associated with C4031, but not used in the operations of that system.											
WR544731	0.0	UNIFO999999999	1	2	0.0000		P5447_1	P544715447301			PALO
PINTO M W D #1						UNNAMED TRIB		3328000000	BRDE29	3	
WSRP5447	1153.	0.5228	0.8206		0	0					
WR403931	1092.	MUN219201115	1	4	R40311	105852	C4039_1	C403964039001			CITY
OF MINERAL WELLS						ROCK CRK		3325000000	BRDE29	3	
WSMNR1LW	5024.					0					
WR403931	588.	MUN219201115	1	4	R40311	105851	C4039_2	C403964039001			CITY
OF MINERAL WELLS						ROCK CRK		3325000000	BRDE29	3	
WSMNR1LW	5024.					0					
WR403931	546.	MUN219430322	1	4	R40311	105852	C4039_3	C403964039001			CITY
OF MINERAL WELLS						ROCK CRK		3325000000	BRDE29	3	
WSMNR1LW	5024.					0					
WR403931	294.	MUN219430322	1	4	R40311	105851	C4039_4	C403964039001			CITY
OF MINERAL WELLS						ROCK CRK		3325000000	BRDE29	3	
WSMNR1LW	5024.					0					

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WR404031	8.0	IRR219661031	1	2	0.0000	C4040_1	C404064040001		DELMAR
& MARTHA JANE KING							3314500000 BRDE29	3	
WS1C4040	10.0	0.5228 0.8206		0	0				
WR404032	30.0	IRR219820426	1	2	0.0000	C4040_2	C404064040002		DELMAR
& MARTHA JANE KING							3314500000 BRDE29	3	
WS2C4040	50.0	0.5228 0.8206		0	0				
WR404131	8.0	IRR219650831	1	2	0.0000	C4041_1	C404164041001		R
E WALDEN							3314150000 BRDE29	3	
WSRC4041	8.0	0.5228 0.8206		0	0				
WR404231	42.0	IRR219650831	1	2	0.0000	C4042_1	C404264042001		R
E WALDEN							3314000000 BRDE29	3	
WSRC4042	30.0	0.5228 0.8206		0	0				
**WR386201	45.0	IND219820222	1	2	0.0000	P3862_1	P386213862001		BERNARR
N PRITCHARD ET UX							3313200000 BRDE29	A 3	
**WR386241	0.0	IND219820222	1	2	0.0000	P3862_2	P386213862001		BERNARR
N PRITCHARD ET UX							3313200000 BRDE29	A 3	
WSRP3862	17.3	0.5228 0.8206		0	0				
** WSA - This right is contingent on a water supply agreement with the BRA for 90 acft municipal.									
** Because priority is junior to Lake Granger, this right will have no effect on Lake Granger.									
WR5164P1	90.0	MUN219871211	1	2	0.0000	P5164_1	P516415164001		MILLSAP
WATER SUPPLY CORP							3313010000 BRDE29	3	
WSRONNIE	215.	0.5228 0.8206		0	0				
WR404331	100.	IRR219700817	1	2	0.0000	C4043_1	C404364043001		H.
L. BRANSON							3306000000 BRDE29	3	
WSRC4043	162.	0.5228 0.8206		0	0				
WR404401	149.	IRR219570731	1	2	0.0000	C4044_1	C404464044001		D.
C. WOODRUFF							3301000000 BRDE29	3	
WR404501	75.0	IRR219581231	1	2	0.0000	C4045_1	C404564045001		LARRY
& DAVID NASH							3298620000 BRGR30	3	
WR404601	69.0	IRR219601231	1	2	0.0000	C4046_1	C404664046001		KENNETH
W. FULLER							3298600000 BRGR30	3	
WR404701	290.	IRR219641031	1	2	0.0000	C4047_1	C404764047001		ADELAIDE
ELIZABETH BIGGS							3298000000 BRGR30	3	
WR404831	25.0	IRR219761108	1	2	0.0000	C4048_1	C404864048001		H
D HOWARD							3296700000 BRGR30	3	
WSRC4048	105.	0.5228 0.8206		0	0				
WR404831	35.0	MUN219761108	1	2	0.0000	C4048_2	C404864048001		H
D HOWARD							3296700000 BRGR30	3	
WSRC4048	105.	0.5228 0.8206		0	0				
WR404831	0.0	MUN219761108	1	2	0.0000	C4048_3	C404864048001		H
D HOWARD							3296700000 BRGR30	3	
WSRC4048	105.	0.5228 0.8206		0	0				
WR405031	23.0	IRR219640430	1	2	0.0000	C4050_1	C405064050001		FRED
L THORMANN							3296000000 BRGR30	3	
WSRC4050	2.0	0.5228 0.8206		0	0				
WR404932	12.0	IRR219640430	1	2	0.0000	C4049_1	C404964049002		FRED
L THORMANN							3295900000 BRGR30	3	
WSRC4049	2.0	0.5228 0.8206		0	0				
WR405101	166.	IRR219541231	1	2	0.0000	C4051_1	C405164051001		GRACE
W CARTWRIGHT ET AL							3294500000 BRGR30	3	
WR405332	0.0	UNIFO19750113	1	2	0.0000	C4053_1	C405364053302		WESTERN
LAKE EST. OWNERS ASSN.							3294440000 BRGR30	3	
WSRC4053	238.	0.5228 0.8206		0	0				
** Combined three off-channel reservoirs into one.									
** Added mining diversion									
WR405241	760.	IRR219540731	1	2	0.0000	C4052_1	C405264052001		TXI
OPERATIONS LP							3294400000 BRGR30	3	
WSRC4052	3.0	0.2710 0.8958		0	0				
SO		760. 405201							
WR405202	0.	MIN219540731	1	2	0.0000	C4052_2	C405264052002		TXI
OPERATIONS LP							3294400000 BRGR30	3	
WR405401	12.15	IRR219620731	1	2	0.0000	C4054_1	C405464054001		JESSE
T CROWDER JR TRUST							3293120000 BRGR30	3	
WR405401	26.85	IRR219620731	1	2	0.0000	C4054_2	C405464054001		JOHN
WESSLER ET AL							3293120000 BRGR30	3	
WR405501	42.0	IRR219550731	1	2	0.0000	C4055_1	C405564055001		MCI
LAND COMPANY							3293000000 BRGR30	3	
** Changed diversion location to most downstream diversion point									
WR411404	300.	IRR219550731	1	2	0.0000	C4114_1	C411464114004		THOMAS
BROTHERS GRASS LTD							3292990000 BRGR30	3	
WR405631	144.	IRR219670831	1	2	0.0000	C4056_1	C405664056001		"BANK
ONE TEXAS NA, TRUSTEE"							3292900000 BRGR30	3	
WSRC4056	1454.	0.5228 0.8206		0	0				
WR405701	109.	IRR219620630	1	2	0.0000	C4057_1	C405764057001		MARY
L & C W KILLOUGH							3292660000 BRGR30	D 3	
WR405901	35.0	IRR219631231	1	2	0.0000	C4059_1	C405964059001		HELEN
T DURHAM ESTATE							3292600000 BRGR30	3	
WR406101	65.0	IRR219560531	1	2	0.0000	C4061_1	C406164061001		BURTON
S BURKS SR ET AL							3292580000 BRGR30	D 3	
WR405831	0.0	UNIFO19761220	1	2	0.0000	C4058_1	C405864058301		OAK
TRAIL OWNERS ASSOCIATION							3292570000 BRGR30	3	
WSRC4058	24.0	0.5228 0.8206		0	0				
** Changed diversion location to new diversion point									

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WR406204	383.	IRR219551231	1	2	0.0000			C4062_1	C406264062004			THOMAS
FAMILY TRUST			BRAZOS RIVER						3292550000	BRGR30	D	3
WR406301	348.	IRR219630731	1	2	0.0000			C4063_1	C406364063001			FRED
GRIMES ET AL			BRAZOS RIVER						3292400000	BRGR30		3
** 172 acft of this right was severed and transferred to C4072.												
WR406401	25.	IRR219631231	1	2	0.0000			C4064_1	C406464064001			BURTON
S BURKS JR			BRAZOS RIVER						3291750000	BRGR30	D	3
WR407201	172.	IRR219631231	1	2	0.0000			C4072_2	C407264072001			JAMES
E ANTHONY ET AL			BRAZOS RIVER						3289100000	BRGR30		5
WR406001	616.	IRR219500731	1	2	0.0000			C4060_1	C406064060001			LORENE
DURHAM ESTATE ET AL			BRAZOS RIVER						3291530000	BRGR30	D	3
WR406631	0.0	UNIFO19761220	1	2	0.0000			C4066_1	C406664066301			COMANCHE
HARBOR OWNERS ASSOC			BRAZOS RIVER						3291450000	BRGR30		3
WSRC4066	43.0	0.5228	0.8206	0	0							
WR406501	84.0	IRR219630831	1	2	0.0000			C4065_1	C406564065001			ROBERT
& C J WHITEHEAD			BRAZOS RIVER						3291440000	BRGR30	D	3
WR406701	63.0	IRR219561231	1	2	0.0000			C4067_1	C406764067001			COURTS
K CLEVELAND JR			BRAZOS RIVER						3291430000	BRGR30	D	3
WR406801	72.0	IRR219670731	1	2	0.0000			C4068_1	C406864068001			COLLIE
W OLIVER			BRAZOS RIVER						3291370000	BRGR30	D	3
WR406931	120.	IRR219741021	1	2	0.0000			C4069_1	C406964069001			WALKER
MURRAY RANDLE			WALNUT CRK						3291310000	BRGR30		3
WSRC4069	160.	0.5228	0.8206	0	0							
WR385131	17.0	IRR219811212	1	2	0.0000			P3851_1	P385113851001			WALNUT
CR FARMS OF GRANBURY			IKE BR						3291250000	BRGR30		3
WSRP3851	17.0	0.4897	0.7633	0	0							
WR407001	141.	IRR219560831	1	2	0.0000			C4070_1	C407064070001			LESLIE
L. MABERY			BRAZOS RIVER						3291200000	BRGR30	D	3
WR407101	83.0	IRR219560831	1	2	0.0000			C4071_1	C407164071001			R
E MABERY			BRAZOS RIVER						3291150000	BRGR30	D	3
WR346631	0.	UNIFO19760112	1	2	0			C3466_1	C346663466301			CITY
OF EASTLAND			N FRK LEON RIVER						2530030000	LEDL43		4
WSRC3466	144.	0.5228	0.8206	0	0							
WR346531	450.	MUN219191028	1	4	R34701	106371		C3465_1	C346563465001			EASTLAND
CO WSD			N FRK LEON RIVER						2530000000	LEDL43		4
WSRC3465	1740.	0.5228	0.8206	0	0							
WR346531	50.	IND219191028	1	2	0			C3465_2	C346563465001			CITY
OF EASTLAND			N FRK LEON RIVER						2530000000	LEDL43		4
WSRC3465	1740.	0.5228	0.8206	0	0							
WR346531	100.	IRR219191028	1	2	0			C3465_3	C346563465001			CITY
OF EASTLAND			N FRK LEON RIVER						2530000000	LEDL43		4
WSRC3465	1740.	0.5228	0.8206	0	0							
WR346731	12.	IRR219651231	1	2	0			C3467_1	C346763467001			WAYNE
HARGRAVE, ET UX			S FRK LEON RIVER						2515000000	LEDL43		4
WSRC3467	12.	0.5228	0.8206	0	0							
WR346831	1607.	MIN219191215	1	2	0			C3468_1	C346863468001			EASTLAND
INDUSTRIAL FOUNDATION			LEON RIVER						2500000000	LEDL43		4
WSRC3468	1607.	0.5228	0.8206	0	0							
WR347431	30.	IRR219690428	1	2	0			C3474_1	C347463474001			JERRY
P MEHAFFEY			LEON RIVER						2498200000	LEDL43		4
WSRC3474	30.	0.5228	0.8206	0	0							
WR347531	8.	IRR219690526	1	2	0			C3475_1	C347563475001			C
M PIPPIN JR			LEON RIVER						2498000000	LEDL43		4
WSRC3475	60.	0.5228	0.8206	0	0							
WR346931	21.	IRR219670821	1	2	0			C3469_1	C346963469001			LARRY
MORROW			UNNAMED TRIB						2494000000	LEDL43	B	4
WSRC3469	23.	0.5228	0.8206	0	0							
** The 1931 priority water has access to Lake Leon, but can not refill the reservoir at 1931												
** priority date.												
** Returns divided between City of Eastland (0.9 MGD) and return flow point identified by TNRC.												
WR347031	810.	MUN219520321	1	4	R34701	106371		C3470_1	C347063470001			EASTLAND
CO WSD			LEON RIVER						2491000000	LEDL43		4
WSLKLEON	25828.											
WR347031	455.	MUN219520321	1	2	0.0000			C3470_2	C347063470001			EASTLAND
CO WSD			LEON RIVER						2491000000	LEDL43		4
WSLKLEON	25828.											
WR347031	1560.	MUN219520321	1	4	R34701	106371		C3470_3	C347063470001			EASTLAND
CO WSD			LEON RIVER						2491000000	LEDL43		4
WSLKLEON	25828.											
WR347031	877.5	MUN219520321	1	2	0.0000			C3470_4	C347063470001			EASTLAND
CO WSD			LEON RIVER						2491000000	LEDL43		4
WSLKLEON	25828.											
WR347031	1118.	MUN219860325	1	4	R34701	106371		C3470_5	C347063470001			EASTLAND
CO WSD			LEON RIVER						2491000000	LEDL43		4
WSLKLEON	25828.											
WR347031	629.5	MUN219860325	1	2	0.0000			C3470_6	C347063470001			EASTLAND
CO WSD			LEON RIVER						2491000000	LEDL43		4
WSLKLEON	25828.											
WR347031	350.	IND219860325	1	2	0			C3470_7	C347063470001			EASTLAND
CO WSD			LEON RIVER						2491000000	LEDL43		4
WSLKLEON	25828.											
WR347031	500.	IRR219860325	1	2	0			C3470_8	C347063470001			EASTLAND
CO WSD			LEON RIVER						2491000000	LEDL43		4
WSLKLEON	25828.											

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** Two authorized reservoirs modeled as a single reservoir at downstream CP.

**WR347132	50.	IRR219771011	1	2	0	C3471_1	C347163471002				GLYNN
A WILSON			N COLONY CRK				2490500000	LEDL43	A	4	
**WSR34711	115.	0.5228	0.8206		0						
**WR347132	50.	IRR219910401	1	2	0	C3471_2	C347163471002				GLYNN
A WILSON			N COLONY CRK				2490500000	LEDL43	A	4	
**WSR34711	240.	0.5228	0.8206		0						
** Expired											
**WR347231	103.	IRR219740528	1	2	0	C3472_1	C347263472001				R.V.
ROBINSON			COLONY CRK				2476000000	LEDL43	A	4	
**WSRC3472	169.	0.5228	0.8206		0						
WR347331	40.	IRR219691027	1	2	0	C3473_1	C347363473001				RONNIE
LOVE			ELM CRK				2471000000	LEDL43		4	
WSRC3473	45.	0.5228	0.8206		0						
WR347931	30.	IRR219660405	1	2	0	C3479_1	C347963479001				TEDDY
J SNIDER ET UX			NASH CRK				2469000000	LEDL43		4	
WSRC3479	16.	0.5228	0.8206		0						
WR348031	0.	D&L219771031	1	2	0	C3480_1	C348063480001				SAUL
PULLMAN			NASH CRK				2468900000	LEDL43		4	
WSRC3480	60.	0.5228	0.8206		0						
WR348131	25.	IRR219680729	1	2	0	C3481_1	C348163481001				WILL
D BROWN ET UX			NASH CRK				2468750000	LEDL43		4	
WSRC3481	40.	0.5228	0.8206		0						
** Two authorized reservoirs modeled as a single reservoir at downstream CP.											
WR348232	13.	IRR219640731	1	2	0	C3482_1	C348263482002				JOHNNY
W & MARY C EAVES			NASH CRK				2468660000	LEDL43		4	
WSRC3482	25.	0.5228	0.8206		0						
WR348331	90.	IRR219690721	1	2	0	C3483_1	C348363483001				D
B WARREN			UNNAMED TRIB LEON RIVER				2468600000	LEDL43		4	
WSRC3483	244.	0.5228	0.8206		0						
WR348431	40.	IRR219700513	1	2	0	C3484_1	C348463484001				MURTICE
C RODGERS			UNNAMED TRIB LEON RIVER				2468570000	LEDL43		4	
WSRC3484	50.	0.5228	0.8206		0						
**WR348531	148.	IRR219730102	1	2	0	C3485_1	C348563485001				H
L PERRIN ET UX			SALT CRK				2468530000	LEDL43	A	4	
**WSRC3485	350.	0.5228	0.8206		0						
**WR348631	150.	IRR219751020	1	2	0	C3486_1	C348663486001				RONNIE
N LOVE ET UX			SALT CRK				2468520000	LEDL43	A	4	
**WSC34861	170.	0.5228	0.8206		0						
**WR348633	0.	IRR219751020	1	2	0	C3486_2	C348663486003				RONNIE
N LOVE ET UX			SALT CRK				2468520000	LEDL43	A	4	
**WSC34863	15.	0.5228	0.8206		0						
**SO			BACKUP								
**WR348632	0.	IRR219751020	1	2	0	C3486_3	C348663486002				RONNIE
N LOVE ET UX			SALT CRK				2468520000	LEDL43	A	4	
**WSC34862	40.	0.5228	0.8206		0						
**SO			BACKUP								
**WR5274P1	25.	IRR219891213	1	2	0	P5274_1	P527415274001				J
R GRIMSHAW ET UX			ROUGH CRK				2468500000	LEDL43	A	4	
**WSRP5274	40.	0.5228	0.8206		0						
WR348731	40.	IRR219680219	1	2	0	C3487_1	C348763487001				D
B WARREN			LEON RIVER				2468400000	LEDL43		4	
WSRC3487	48.	0.5228	0.8206		0						
WR348831	30.	IRR219690922	1	2	0	C3488_1	C348863488001				HELEN
L DICKSON			ELLISON CRK				2468370000	LEDL43		4	
WSRC3488	100.	0.5228	0.8206		0						
WR348931	140.	IRR219691013	1	2	0	C3489_1	C348963489001				THOMAS
H BIRDSONG, III			UNNAMED TRIB				2468350000	LEDL43	A	4	
WSRC3489	323.	0.5228	0.8206		0						
** Expired											
**WR348931	80.	IRR219770103	1	2	0	C3489_2	C348963489001				THOMAS
H BIRDSONG, III			UNNAMED TRIB				2468350000	LEDL43	A	4	
**WSRC3489	323.	0.5228	0.8206		0						
WR349031	60.	IRR219670605	1	2	0	C3490_1	C349063490001				JOHN
J HOLLAND			PANTHER CRK				2468200000	LEDL43		4	
WSRC3490	60.	0.5228	0.8206		0						
WR349231	52.	IRR219670821	1	2	0	C3492_1	C349263492001				G
D LINDLEY			LEON RIVER				2467380000	LEDL43		4	
WSRC3492	52.	0.5228	0.8206		0						
WR349331	35.	IRR219700427	1	2	0	C3493_1	C349363493001				EDDIE
LINDLEY			LEON RIVER				2467200000	LEDL43		4	
WSRC3493	35.	0.5228	0.8206		0						
WR349431	140.	IRR219710322	1	2	0	C3494_1	C349463494001				MOODY
B KOONCE			LEON RIVER				2467150000	LEDL43		4	
WSRC3494	140.	0.5228	0.8206		0						
WR349531	94.	IRR219670523	1	2	0	C3495_1	C349563495001				MOODY
B KOONCE			LEON RIVER				2467100000	LEDL43		4	
WSRC3495	94.	0.5228	0.8206		0						
WR349631	21.	IRR219681028	1	2	0	C3496_1	C349663496001				NANNIE
LEE THOMPSON			LEON RIVER				2467000000	LEDL43		4	
WSRC3496	50.	0.5228	0.8206		0						
** Shares reservoir authorized in C3498.											
WR349831	50.	IRR219750728	1	2	0	C3497_1	C349763497001				HERRALD
ABELS			HOUSTON SPRING CRK				2466920000	LEDL43		4	

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WSRC3498	189.	0.5228	0.8206	0	0								
WR349831	100.	IRR219701214		1	2	0							
L GILDER				HOUSTON SPRING CRK									
WSRC3498	189.	0.5228	0.8206	0	0								
WR349931	3.	IRR219510831		1	2	0							
L BOX				LEON RIVER									
WSRC3499	25.	0.5228	0.8206	0	0								
WR350001	24.	IRR219660430		1	2	0							
RANCH CORPORATION				LEON RIVER									
**WR393431	25.	IRR219821108		1	2	0							
MORRIS ET UX				LEON RIVER									
**WSRP3934	25.	0.5228	0.8206	0	0								
WR350131	65.	IRR219710322		1	2	0							
D HIGGINBOTTOM				LEON RIVER									
WSRC3501	70.	0.5228	0.8206	0	0								
** Owner must store groundwater in reservoir equal to his diversion.													
** Modeled as zero surface water use since groundwater must replace diversion.													
**WR350231	0.	IRR219780130		1	2	0							
K SELTZER				LEON RIVER									
**WSRC3502	64.	0.5228	0.8206	0	0								
** Modeled both authorized reservoirs as a single reservoir at the downstream location.													
**WR350331	45.	IRR219770228		1	2	0							
LEE MORRIS ET UX				UNNAMED TRIB									
**WSRC3503	45.	0.5228	0.8206	0	0								
WR350431	20.	IRR219680408		1	2	0							
RAY JOINER				LEON RIVER									
WSRC3504	20.	0.5228	0.8206	0	0								
WR350531	36.	IRR219680722		1	2	0							
MOORE ET UX				LEON RIVER									
WSRC3505	36.	0.5228	0.8206	0	0								
WR350631	3.	IRR219630331		1	2	0							
V STEWART				FLAT CRK									
WSRC3506	10.	0.5228	0.8206	0	0								
** Expired													
**WR350831	45.	IRR219790212		1	2	0							
RANCH CORPORATION				FLAT CRK									
**WSRC3508	45.	0.5228	0.8206	0	0								
WR351101	73.	IRR219660831		1	2	0							
D MCCLELLAN				LEON RIVER									
WR351201	6.	IRR219631231		1	2	0							
DALE JOHNSON				LEON RIVER									
WR351631	0.	D&L219720501		1	2	0							
JOHNSON				W FRK ARMSTRONG									
WSRC3516	292.	0.5228	0.8206	0	0								
** Expired													
**WR351531	168.	IRR219720501		1	2	0							
JESS HOFFMAN				W FRK ARMSTRONG									
**WSRC3515	292.	0.5228	0.8206	0	0								
WR351431	7.	IRR219660801		1	2	0							
OIL COMPANY				E FRK ARMSTRONG									
WSRC3514	198.	0.5228	0.8206	0	0								
WR351731	250.	IRR219680729		1	2	0							
JO PARKS TRUSTEE				HACKBERRY CRK									
WSRC3517	266.	0.5228	0.8206	0	0								
WR351831	110.	IRR219670808		1	2	0							
HYDEN INC				E FORK HACKBERRY CRK									
WSRC3518	135.	0.5228	0.8206	0	0								
WR351931	25.	IRR219700615		1	2	0							
D BEARD ET AL				COW CRK									
WSRC3519	35.	0.5228	0.8206	0	0								
WR352031	40.	IRR219670911		1	2	0							
HAMNER				GREER CRK									
WSRC3520	67.	0.5228	0.8206	0	0								
WR352131	40.	IRR219690505		1	2	0							
& PATSY S PRUILL				HUNTING SHIRT CRK									
WSRC3521	138.	0.5228	0.8206	0	0								
** Modeled both authorized reservoirs as a single reservoir at the downstream location.													
WR352231	7.	IRR219650731		1	2	0							
L HUGHES				HUNTING SHIRT CRK									
WSRC3522	10.	0.5228	0.8206	0	0								
WR352331	20.	IRR219690609		1	2	0							
M & IMOGENE BURNS				SABANA RIVER									
WSRC3523	22.	0.5228	0.8206	0	0								
** Modeled both authorized reservoirs as a single reservoir at the downstream location.													
**WR352431	25.	IRR219751208		1	2	0							
BETH COOK ET AL				SABANA RIVER									
**WSRC3524	55.	0.5228	0.8206	0	0								
WR352531	10.	IRR219691013		1	2	0							
H BIRDSONG III				SABANA RIVER									
WSRC3525	90.	0.5228	0.8206	0	0								
**WR426301	126.	IRR219850521		1	2	0							
R COAN ET UX				SABANA RIVER									
WR353031	14.	IRR219670630		1	2	0							
SCHKADE ET AL				SABANA RIVER									

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WSR35301	40.	0.5228	0.8206	0	0														
WR353032	0.	IRR219670630		1	2	0			C3530_2	C353063530002									LOUIS
SCHKADE ET AL				SABANA RIVER						2429100000	SADL44		4						
WSR35302	32.	0.5228	0.8206	0	0														
SO				BACKUP															
WR353032	46.	IRR219690909		1	2	0			C3530_3	C353063530002									LOUIS
SCHKADE ET AL				SABANA RIVER						2429100000	SADL44		4						
WSR35302	32.	0.5228	0.8206	0	0														
WR353031	0.	IRR219670630		1	2	0			C3530_4	C353063530001									LOUIS
SCHKADE ET AL				SABANA RIVER						2429100000	SADL44		4						
WSR35301	40.	0.5228	0.8206	0	0														
SO				BACKUP															
**WR352631	20.	IRR219760830		1	2	0			C3526_1	C352663526001									TROYAT
UNDERWOOD				UNNAMED TRIB						2429090000	SADL44	A	4						
**WSRC3526	20.	0.5228	0.8206	0	0														
WR352831	121.	IRR219690915		1	2	0			C3528_1	C352863528001									MARGRETTE
JEAN MOON				SABANA RIVER						2429070000	SADL44		4						
WSRC3528	121.	0.5228	0.8206	0	0														
WR352831	0.	IRR219690915		1	2	0			C3528_2	C352863528001									MARGRETTE
JEAN MOON				SABANA RIVER						2429070000	SADL44		4						
WSRC3528	121.	0.5228	0.8206	0	0														
SO		100.	352802	BACKUP															
**WR353131	30.	IRR219780103		1	2	0			C3531_1	C353163531001									JOHN
R SCOTT ET UX				SABANA RIVER						2429060000	SADL44	A	4						
**WSR3531A	40.	0.5228	0.8206	0	0														
**WR353132	0.	IRR219881103		1	2	0			C3531_2	C353163531002									JOHN
R SCOTT ET UX				SABANA RIVER						2429060000	SADL44	A	4						
**WSR3531B	28.	0.5228	0.8206	0	0														
**SO		30.		BACKUP															
**WR353133	6.	IRR219881103		1	2	0			C3531_3	C353163531003									JOHN
R SCOTT ET UX				SABANA RIVER						2429060000	SADL44	A	4						
**WSR3531C	6.	0.5228	0.8206	0	0														
**WR353134	4.	IRR219881103		1	2	0			C3531_4	C353163531004									JOHN
R SCOTT ET UX				SABANA RIVER						2429060000	SADL44	A	4						
**WSR3531D	4.	0.5228	0.8206	0	0														
** Expired																			
**WR526031	95.	IRR219891113		1	2	0			P5260_1	P526015260001									JOE
TILLEY				SABANA RIVER						2429053000	SADL44	A	4						
**WSP52601	98.	0.5228	0.8206	0	0														
**WR526032	0.	IRR219891113		1	2	0			P5260_2	P526015260002									JOE
TILLEY				SABANA RIVER						2429053000	SADL44	A	4						
**WSP52602	30.	0.5228	0.8206	0	0														
**SO				BACKUP															
IFSADL44	1448.	UNIFO19710329		1				IFC3532_1											
WR353241	29.	IRR219710329		1	2	0			C3532_1	C353263532001									JIMMY L
BINGHAM ET AL				SABANA RIVER						2429050000	SADL44		4						
WSRC3532	29.	0.2710	0.8958	0	0														
SO		29.	353201																
ML	92.	92.	92.	92.	92.	0.	0.	0.	0.	92.	92.								
WR353331	25.	IRR219690324		1	2	0			C3533_1	C353363533001									BOBBY
L SKAGGS & GENE E SKAGGS				SABANA RIVER						2429000000	SADL44		4						
WSRC3533	25.	0.5228	0.8206	0	0														
WR353441	24.	IRR219670731		1	2	0			C3534_1	C353463534001									JUNE
M. ROUNTRE E, TRUSTEE				SABANA RIVER						2428950000	SADL44		4						
WSRC3534	8.	0.271	0.8958	0	0														
SO		24.	353401																
WR353531	8.	IRR219711026		1	2	0			C3535_1	C353563535001									JACK
& THELMA LOU RILEY				SABANA RIVER						2428920000	SADL44		4						
WSRC3535	8.	0.5228	0.8206	0	0														
** Modeled both authorized reservoirs as a single reservoir at the downstream location.																			
WR353631	31.	IRR219710426		1	2	0			C3536_1	C353663536001									LYNDELL
F COAN				SABANA RIVER						2428900000	SADL44		4						
WSRC3536	31.	0.5228	0.8206	0	0														
** Expired																			
**WR353731	9.	IRR219731217		1	2	0			C3537_1	C353763537001									DALE
D GEORGE				TRIB						2428590000	SADL44	A	4						
**WSRC3537	9.	0.5228	0.8206	0	0														
**WR353831	30.	IRR219731119		1	2	0			C3538_1	C353863538001									WILLIAM
T MORRIS ET UX				TRIB						2428550000	SADL44	A	4						
**WSRC3538	32.	0.5228	0.8206	0	0														
WR353931	75.	IRR219690317		1	2	0			C3539_1	C353963539001									ED
GLOVER JR				SABANA RIVER						2428500000	SADL44		4						
WSRC3539	120.	0.5228	0.8206	0	0														
WR354131	45.	IRR219680506		1	2	0			C3541_1	C354163541001									SAM
D & MARTHA L UPSHAW				SABANA RIVER						2428000000	SADL44		4						
WSRC3541	48.	0.5228	0.8206	0	0														
WR354231	0.	UNIFO19760428		1	2	0			C3542_1	C354263542301									NABORS
LAKE DEVELOPMENT CORP				FADE CRK						2427900000	SADL44		4						
WSRC3542	450.	0.5228	0.8206	0	0														
IFSADL44	1448.	UNIFO19700504		1				IFC3543_1											
WR354341	28.	IRR219700504		1	2	0			C3543_1	C354363543001									HELEN
SUE WILSON				SABANA RIVER						2427500000	LEHS45		4						
WSRC3543	29.	0.5228	0.8206	0	0														
SO		29.	354301																

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ML	19.	16.	19.	18.	19.	18.	0.	0.	0.	0.	18.	19.	
WR354401	17.		IRR219641231	1	2	0				C3544_1	C354463544001		JIM
LAMPMAN ET AL				SABANA RIVER							2426500000	LEHS45	4
WR354031	90.		IRR219670425	1	2	0				C3540_1	C354063540002		SPRUILL
BROTHERS DRILLING CO				SABANA RIVER							2426000000	LEHS45	4
WSR3540S	80.	0.5228	0.8206	0	0	0							
WR354032	0.		IRR219670425	1	2	0				C3540_2	C354063540003		SPRUILL
BROTHERS DRILLING CO				SABANA RIVER							2426000000	SADL44	4
WSR3540N	73.	0.5228	0.8206	0	0	0							
SO				BACKUP									
WR354031	0.		IRR219670731	1	2	0				C3540_3	C354063540002		SPRUILL
BROTHERS DRILLING CO				SABANA RIVER							2426000000	LEHS45	4
WSR3540S	80.	0.5228	0.8206	0	0	0							
SO			23. 354001	BACKUP									
** Expired													
**WR354531	15.		IRR219771031	1	2	0				C3545_1	C354563545001		R
D WALKER				SABANA RIVER							2425990000	LEHS45	A 4
**WSRC3545 20. 0.5228 0.8206 0 0													
** On and off channel reservoirs modeled as a single on-channel reservoir.													
WR354631	7.5		IRR219650731	1	2	0				C3546_1	C354663546002		E
A WALKER				SABANA RIVER							2425920000	LEHS45	4
WSRC3546	11.	0.5228	0.8206	0	0	0							
WR354631	1.5		IRR219710426	1	2	0				C3546_2	C354663546002		E
A WALKER				SABANA RIVER							2425920000	LEHS45	4
WSRC3546	11.	0.5228	0.8206	0	0	0							
WR354731	70.		IRR219680401	1	2	0				C3547_1	C354763547001		A
G LEE				SABANA RIVER							2425500000	LEHS45	4
WSRC3547	74.	0.5228	0.8206	0	0	0							
WR354831	166.		IRR219650517	1	2	0				C3548_1	C354863548001		SEBORN
E GOLDEN				HENDERSON BR							2425000000	LEHS45	4
WSRC3548	166.	0.5228	0.8206	0	0	0							
WR354931	42.		IRR219680520	1	2	0				C3549_1	C354963549001		T
A NOWLIN				TURKEY CRK							2424000000	LEHS45	4
WSRC3549	42.	0.5228	0.8206	0	0	0							
WR355031	60.		IRR219670911	1	2	0				C3550_1	C355063550001		THOMAS
A LEE JR ET UX				SABANA RIVER							2423000000	LEHS45	4
WSRC3550	60.	0.5228	0.8206	0	0	0							
**WR355131	30.		IRR219751215	1	2	0				C3551_1	C355163551001		BOBBY
W STRAUB				UNNAMED TRIB							2422000000	LEHS45	A 4
**WSRC3551 48. 0.5228 0.8206 0 0													
WR355231	80.		IRR219710607	1	2	0				C3552_1	C355263552001		J
V SKAGGS				SABANA RIVER							2420080000	LEHS45	4
WSRC3552	126.	0.5228	0.8206	0	0	0							
**WR507331	60.		IRR219860708	1	2	0				P5073_1	P507315073001		THOMAS
RANDOLPH SIMPSON				SABANA RIVER							2420050000	LEHS45	A 4
**WSRP5073	60.	0.5228	0.8206	0	0	0							
WR355331	53.		IRR219660613	1	2	0				C3553_1	C355363553001		LEE
ROY COTTON				SABANA RIVER							2420000000	LEHS45	4
WSRC3553	53.	0.5228	0.8206	0	0	0							
WR355431	25.		IRR219690630	1	2	0				C3554_1	C355463554001		E
J TERRY				SABANA RIVER							2419000000	LEHS45	4
WSRC3554	30.	0.5228	0.8206	0	0	0							
**WR355531	100.		IRR219780522	1	2	0				C3555_1	C355563555001		JERRY
SOLOMON				UNNAMED TRIB							2418200000	LEHS45	A 4
**WSRC3555 100. 0.5228 0.8206 0 0													
WR355731	7.5		IRR219680415	1	2	0				C3556_1	C355663556001		GAYLE
MCGINNIS				SABANA RIVER							2418010000	LEHS45	4
WSRC3557	105.	0.5228	0.8206	0	0	0							
WR355731	97.5		IRR219680415	1	2	0				C3557_1	C355763557001		LAKE
PROCTOR IRR AUTH				SABANA RIVER							2418000000	LEHS45	4
WSRC3557	105.	0.5228	0.8206	0	0	0							
WR355801	12.		IRR219610731	1	2	0				C3558_1	C355863558001		STEVEN
MARK BIGGS ET AL				SOWELLS CRK							2415910000	LEHS45	4
**IF380831	217.			UNIFO19801203						1			IFP3808_1
A													
**WR380831	1060.		IRR219801203	1	2	0				P3808_1	P380813808001		MARY
FRAZIER CLARK ET AL				COPPERAS (RUSH) CRK							2415400000	LEHS45	A 4
**WSRP3808 1271. 0.5228 0.8206 0 0													
**IF384431	724.			UNIFO19801110						1			IFP3844_1
A													
**WR384431	156.		IRR219801110	1	2	0				P3844_1	P384413844002		CUSTER
D SWIFT ET AL				COPPERAS (RUSH) CRK							2415380000	LEHS45	A 4
**WSRP3844 421. 0.5228 0.8206 0 0													
**WR384431	246.		IRR219801110	1	2	0				P3844_2	P384413844002		WINNIE
D ANDERSON				COPPERAS (RUSH) CRK							2415380000	LEHS45	A 4
**WSRP3844 421. 0.5228 0.8206 0 0													
WR356031	0.		D&L219751208	1	2	0				C3560_1	C356063560301		CHARLES
BOB & DEALVA SNELL				UNNAMED TRIB							2415290000	LEHS45	4
WSRC3560	35.	0.5228	0.8206	0	0	0							
** Expired													
**WR356131	248.		IRR219740624	1	2	0				C3561_1	C356163561001		ROBERT
S BUTLER				SIPE SPRING BR							2415200000	LEHS45	A 4
**WSRC3561 267. 0.5228 0.8206 0 0													
** Expired													

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**WR356231	56.	IRR219720424	1	2	0	C3562_1	C356263562001			ROBERT
S BUTLER			COPPERAS (RUSH) CRK				2415150000	LEHS45	A	4
**WSRC3562	39.	0.5228	0.8206	0	0					
** Expired										
**WR356331	100.	IRR219750630	1	2	0	C3563_1	C356363563001			ROBERT
S BUTLER			COPPERAS (RUSH) CRK				2415100000	LEHS45	A	4
**WSRC3563	150.	0.5228	0.8206	0	0					
** Expired										
**WR356531	150.	IRR219740128	1	2	0	C3565_1	C356563565001			ROBERT
S BUTLER			COPPERAS (RUSH) CRK				2414850000	LEHS45	A	4
**WSRC3565	236.	0.5228	0.8206	0	0					
WR356731	0.	UNIFO19740903	1	2	0	C3567_1	C356763567301			BYRON
R GIBSON			COPPERAS (RUSH) CRK				2414590000	LEHS45		4
WSRC3567	81.	0.5228	0.8206	0	0					
**WR518731	15.	IRR219880628	1	2	0	P5187_1	P518715187001			C
B SNELL			S COPPERAS CRK				2414200000	LEHS45	A	4
**WSRP5187	15.	0.5228	0.8206	0	0					
** Model 2 off-channel reservoirs and one on-channel as single combined on-channel reservoir.										
WR356831	50.	IRR219700917	1	2	0	C3568_1	C356863568001			ALICE
MAE JONES			STAGG CRK				2414110000	LEHS45		4
WSR35681	50.	0.5228	0.8206	0	0					
WR356931	10.	IRR219720207	1	2	0	C3569_1	C356963569001			HEARSHEL
JANES			STAGG CRK				2414080000	LEHS45		4
WSRC3569	10.	0.5228	0.8206	0	0					
WR357231	140.	IRR219680318	1	2	0	C3572_1	C357263572001			A
T GILCHREST			COPPERAS (RUSH) CRK				2414000000	LEHS45		4
WSRC3572	140.	0.5228	0.8206	0	0					
WR357201	0.	IRR219760223	1	2	0	C3572_2	C357263572001			A
T GILCHREST			COPPERAS (RUSH) CRK				2414000000	LEHS45		4
**WR357331	60.	IRR219720508	1	2	0	C3573_1	C357363573001			G
H BINGHAM DBA 4B FARMS			COPPERAS (RUSH) CRK				2413250000	LEHS45	A	4
**WSRC3573	115.	0.5228	0.8206	0	0					
**WR525531	75.	IRR219890828	1	2	0	P5255_1	P525515255001			GLORIA
JEAN DUKES			COPPERAS (RUSH) CRK				2412800000	LEHS45	A	4
**WSRP5255	150.	0.5228	0.8206	0	0					
WR388031	0.0	UNIFO19820322	1	2		P3880_1	P388013880301			LYNDELL
F COAN ET AL			UNAMED TRIC OF COPPERAS (RUSH) CRK				2412750001	LEHS45		4
WSRP3880	60.	0.5228	0.8206	0	0					
** Expired										
**WR357431	90.	IRR219750818	1	2	0	C3574_1	C357463574001			KENNETH
KEITH & MAX KEITH			UNAMED TRIB				2412750000	LEHS45	A	4
**WSRC3574	100.	0.5228	0.8206	0	0					
WR357501	16.	IRR219550430	2	2	0	C3575_1	C357563575001			BOBBY
N HUDDLESTON			COPPERAS (RUSH) CRK				2412700000	LEHS45		4
**WR357532	130.	IRR219720925	1	2	0	C3575_2	C357563575003			BOBBY
N HUDDLESTON			COPPERAS (RUSH) CRK				2412700000	LEHS45	A	4
**WSRC3575	244.	0.5228	0.8206	0	0					
**WR357501	0.	IRR219750908	1	2	0	C3575_3	C357563575001			BOBBY
N HUDDLESTON			COPPERAS (RUSH) CRK				2412700000	LEHS45	A	4
WR357941	32.	IRR219690731	1	2	0	C3579_1	C357963579001			T.A.
NOWLIN			COPPERAS (RUSH) CRK				2412500000	LEHS45		4
WSRC3579	50.	0.2710	0.8958	0	0					
SO		32.	357901							
** Two off-channel reservoirs (11 & 18 acft) not modeled.										
**IF357801	724.	UNIFO19741111				1				IFC3578_1
A										
**WR357831	700.	IRR219741111	1	2	0	C3578_1	C357863578003			PECAN
VALLEY NUT COMPANY ET AL			COPPERAS (RUSH) CRK				2412200000	LEHS45	A	4
**WSRC3578	800.	0.5228	0.8206	0	0					
**WR358031	70.	IRR219720424	1	2	0	C3580_1	C358063580001			G
E BINGHAM ET AL			BEATTIE BR				2412140000	LEHS45	A	4
**WSRC3580	150.	0.5228	0.8206	0	0					
WR358131	65.	IRR219700105	1	2	0	C3581_1	C358163581001			ELDON
WADE BUTLER			COPPERAS (RUSH) CRK				2412100000	LEHS45		4
WSRC3581	75.	0.5228	0.8206	0	0					
** Modeled both authorized reservoirs as a single reservoir.										
WR358441	30.	IRR219591231	1	2	0	C3584_1	C358463584001			JULIA
JO BAXTER			MARTINS CRK				2411400000	LEHS45		4
WSRC3584	8.	0.5228	0.8206	0	0					
SO		30.	358401	BACKUP						
** Diversion taken from 960 acft capacity reservoir permitted under WR3586.										
WR358631	23.	IRR219701013	1	2	0	C3585_1	C358563586001			WAYNE
D GILLIAM			UNNAMED TRIB				2411320000	LEHS45		4
WSRC3586	960.	0.5228	0.8206	0	0					
**WR358532	10.	IRR219730730	1	2	0	C3585_2	C358563585002			WAYNE
D GILLIAM			UNNAMED TRIB				2411320000	LEHS45	A	4
**WSRC3585	4.1	0.5228	0.8206	0	0					
**WR358503	0.	IRR219800902	1	2	0	C3585_3	C358563585003			WAYNE
D GILLIAM			UNNAMED TRIB				2411320000	LEHS45	A	4
**WSRC3585	17.39	0.5228	0.8206	0	0					
**WR358532	7.	IRR219850806	1	2	0	C3585_4	C358563585002			WAYNE
D GILLIAM			UNNAMED TRIB				2411320000	LEHS45	A	4
**WSRC3585	17.39	0.5228	0.8206	0	0					

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**WR426401	40.	IRR219850618	1	2	0	P4264_1	P426414264001			GEORGE
BINGHAM ET AL							2411310000	LEHS45	A	4
**WR541631	10.	IRR219920415	1	2	0	P5416_1	P541615416001			DON
P CHESTER, ET UX							2411305000	LEHS45	A	4
**WSRP5416	13.	0.5228	0.8206	0	0					
** Use authorized from permitted reservoir under WRs 3585, 3586, 3587,3588, 3589, and 3590.										
WR358631	154.	IRR219701013	1	2	0	C3586_1	C358663586001			DON
P CHESTER ET UX							2411300000	LEHS45	B	4
WSRC3586	960.	0.5228	0.8206	0	0					
** Record to account for different priority dates for combined diversion.										
**WR358601	0.	IRR219771019	1	2	0	C3586_2	C358663586001			DON
P CHESTER ET UX							2411300000	LEHS45	B	4
** Diversion taken from 960 acft capacity reservoir permitted under WR3586.										
WR358631	195.	IRR219701013	1	2	0	C3587_1	C358763587001			GEORGE
E BINGHAM ET AL							2411280000	LEHS45		4
WSRC3586	960.	0.5228	0.8206	0	0					
WR358631	0.	UNIFO19701013	1	2	0	C3587_2	C358763587001			GEORGE
E BINGHAM ET AL							2411280000	LEHS45		4
WSRC3586	960.	0.5228	0.8206	0	0					
** Diversion taken from 960 acft capacity reservoir permitted under WR3586.										
WR358631	29.	IRR219701013	1	2	0	C3588_1	C358863588001			BILLY
J. GRESSETT, ET AL							2411260000	LEHS45		4
WSRC3586	960.	0.5228	0.8206	0	0					
WR358631	0.	UNIFO19701013	1	2	0	C3588_2	C358863588001			BILLY
J. GRESSETT, ET AL							2411260000	LEHS45		4
WSRC3586	960.	0.5228	0.8206	0	0					
** Diversion taken from 960 acft capacity reservoir permitted under WR3586.										
WR358631	185.	IRR219701013	1	2	0	C3589_1	C358963589001			LOUIS
G & BETTY HARELIK							2411240000	LEHS45		4
WSRC3586	960.	0.5228	0.8206	0	0					
WR358631	0.	UNIFO19701013	1	2	0	C3589_2	C358963589001			LOUIS
G & BETTY HARELIK							2411240000	LEHS45		4
WSRC3586	960.	0.5228	0.8206	0	0					
** Diversion taken from 960 acft capacity reservoir permitted under WR3586.										
WR358631	322.	IRR219701013	1	2	0	C3590_1	C359063590001			CLIFTON
D & FRANKIE GEYE							2411220000	LEHS45	B	4
WSRC3586	960.	0.5228	0.8206	0	0					
WR358631	0.	UNIFO19701013	1	2	0	C3590_2	C359063590001			CLIFTON
D & FRANKIE GEYE							2411220000	LEHS45	B	4
WSRC3586	960.	0.5228	0.8206	0	0					
WR359231	109.	IRR219670423	1	2	0	C3592_1	C359263592001			LEON
Y NICHOLS							2411000000	LEHS45		4
WSRC3592	110.	0.5228	0.8206	0	0					
WR359401	16.	IRR219710222	1	2	0	C3594_1	C359463594001			WOLFE
PECANLANDS INC							2410720000	LEHS45		4
WSRC3594	40.	0.5228	0.8206	0	0					
WR359331	8.	IRR219650630	1	2	0	C3593_1	C359363593001			VERA
MULL							2410700000	LEHS45		4
WSRC3593	25.	0.5228	0.8206	0	0					
WR359331	17.	IRR219690630	1	2	0	C3593_2	C359363593001			VERA
MULL							2410700000	LEHS45		4
WSRC3593	25.	0.5228	0.8206	0	0					
WR359541	10.	IRR219560415	1	2	0	C3595_1	C359563595001			REX
MCGINNIS							2410600000	LEHS45		4
WSRC3595	4.	0.2710	0.8958	0	0					
SO		10.	359501							
WR359631	280.	IRR219690825	1	2	0	C3596_1	C359663596001			R
C PINKARD							2410500000	LEHS45		4
WSRC3596	400.	0.5228	0.8206	0	0					
** Reservoir shared jointly by CA's 3597, 3598, 3599, 3600, and 3601.										
WR359831	0.	UNIFO19720207	1	2	0	C3597_1	C359763597301			J
F REED							2410490000	LEHS45		4
WSRC3598	657.	0.5228	0.8206	0	0					
WR359831	0.	UNIFO19720207	1	2	0	C3598_1	C359863598301			JOE
MCENTIRE & JOHN MCENTIRE							2410480000	LEHS45		4
WSRC3598	657.	0.5228	0.8206	0	0					
WR359831	0.	UNIFO19720207	1	2	0	C3599_1	C359963599301			JOE
J MCENTIRE							2410470000	LEHS45		4
WSRC3598	657.	0.5228	0.8206	0	0					
WR359831	0.	UNIFO19720207	1	2	0	C3600_1	C360063600301			GARY
HALL ET AL							2410450000	LEHS45		4
WSRC3598	657.	0.5228	0.8206	0	0					
WR359831	0.	UNIFO19720207	1	2	0	C3601_1	C360163601301			H
REESE WARD & DONALD L WARD							2410430000	LEHS45		4
WSRC3598	657.	0.5228	0.8206	0	0					
WR359831	0.	D&L219720207	1	2	0	C3601_2	C360163601301			H
REESE WARD & DONALD L WARD							2410430000	LEHS45		4
WSRC3598	657.	0.5228	0.8206	0	0					
WR360231	0.	D&L219740528	1	2	0	C3602_1	C360263602301			DENNIS
L & LAJORICE M SHELTON							2410420000	LEHS45		4
WSRC3602	20.	0.5228	0.8206	0	0					
**IF390201		724.				1				IFP3902_1
A										

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**WR390231	30.	IRR219820503	1	2	0	P3902_1	P390213902001			PAUL
L RAINS			JIMMYS	CRK			2410410000	LEHS45	A	4
**WSRC3902	25.	0.5228	0.8206		0					
**WR390231	20.	IRR219820503	1	2	0	P3902_2	P390213902001			GARY
G HALL ET UX			JIMMYS	CRK			2410410000	LEHS45	A	4
**WSRC3902	25.	0.5228	0.8206		0					
**WR390231	10.	IRR219820503	1	2	0	P3902_3	P390213902001			DENNIS
L SHELTON			JIMMYS	CRK			2410410000	LEHS45	A	4
**WSRC3902	25.	0.5228	0.8206		0					
** 50 acft storage reservoir with priorities of 5/19/75 and 8/10/72 shared between WR 3603 and WR 3604.										
WR360331	0.	D&L219720810	1	2	0	C3603_1	C360363603301			PAUL
L RAINS			JIMMIES	CRK			2410400000	LEHS45		4
WSR36031	15.	0.5228	0.8206		0					
WR360331	0.	D&L219750519	1	2	0	C3603_2	C360363603301			PAUL
L RAINS			JIMMIES	CRK			2410400000	LEHS45		4
WSR36031	50.	0.5228	0.8206		0					
WR360331	0.	D&L219720810	1	2	0	C3604_1	C360463604301			LARRY
C STEELE ET UX			JIMMIES	CRK			2410390000	LEHS45		4
WSR36031	15.	0.5228	0.8206		0					
WR360331	0.	D&L219750519	1	2	0	C3604_2	C360463604301			LARRY
C STEELE ET UX			JIMMIES	CRK			2410390000	LEHS45		4
WSR36031	50.	0.5228	0.8206		0					
** Off-channel reservoir not modeled.										
WR360531	0.	D&L219720228	1	2	0	C3605_1	C360563605301			GARY
G & MARY LOU HALL			JIMMIES	CRK			2410370000	LEHS45		4
WSRC3605	21.	0.5228	0.8206		0					
WR360601	3.	IRR219630731	1	2	0	C3606_1	C360663606001			BOBBIE
G WILSON			JIMMIES	CRK			2410330000	LEHS45		4
WR360731	0.	D&L219750217	1	2	0	C3607_1	C360763607001			T
C MAZUREK JR			JIMMIES	CRK			2410300000	LEHS45		4
WSRC3607	25.	0.5228	0.8206		0					
WR360831	21.	IRR219711026	1	2	0	C3608_1	C360863608001			NORMAN
MOORE ET UX			SWEETWATER	CRK			2410290000	LEHS45		4
WSRC3608	21.	0.5228	0.8206		0					
WR360931	50.	IRR219711018	1	2	0	C3609_1	C360963609301			JOHN
M HATHCOCK			COTTONWOOD	CRK			2410150000	LEHS45		4
WSRC3609	193.	0.5228	0.8206		0					
WR361031	143.	IRR219710719	1	2	0	C3610_1	C361063610001			JOHN
O SIMPSON			SWEETWATER	CRK			2410100000	LEHS45		4
WSRC3610	193.	0.5228	0.8206		0					
WR361101	38.	IRR219691231	1	2	0	C3611_1	C361163611001			HUGH
MONSELLE O'BRIEN			SWEETWATER	CRK			2410070000	LEHS45		4
WR361231	93.	IRR219590531	1	2	0	C3612_1	C361263612002			FRED
S DAVIS			SWEETWATER	CRK			2410060000	LEHS45		4
WSRC3612	40.	0.5228	0.8206		0					
WR361331	95.	IRR219710517	1	2	0	C3613_1	C361363613001			HUGH
MONSELLE O'BRIEN			LTL SWEETWATER				2410050000	LEHS45		4
WSRC3613	99.	0.4897	0.7633		0					
WR361431	10.	IRR219651118	1	2	0	C3614_1	C361463614001			DON
P CHESTER			SWEETWATER	CRK			2410000000	LEHS45		4
WSRC3614	10.	0.5228	0.8206		0					
WR361531	48.	IRR219690616	1	2	0	C3615_1	C361563615001			A
E VINEYARD			SWEETWATER	CRK			2409500000	LEHS45		4
WSRC3615	63.	0.5228	0.8206		0					
** Same reservoir as WR 3615.										
WR361531	12.	IRR219690616	1	2	0	C3616_1	C361663616001			B
J VINEYARD			SWEETWATER	CRK			2409000000	LEHS45		4
WSRC3615	63.	0.5228	0.8206		0					
WR361731	3.	IRR219680429	1	2	0	C3617_1	C361763617001			WALTER
MAZUREK			SWEETWATER	CRK			2408200000	LEHS45		4
WSRC3617	3.	0.5228	0.8206		0					
WR361831	47.	IRR219670731	1	2	0	C3618_1	C361863618002			OBBCO
RANCH CORPORATION			SWEETWATER	CRK			2408000000	LEHS45		4
WSRC3618	66.	0.5228	0.8206		0					
WR361801	38.	IRR219670731	1	2	0	C3618_2	C361863618001			OBBCO
RANCH CORPORATION			SWEETWATER	CRK			2408000000	LEHS45		4
SO			BACKUP							
WR361831	9.	IRR219680506	1	2	0	C3618_3	C361863618002			OBBCO
RANCH CORPORATION			SWEETWATER	CRK			2408000000	LEHS45		4
WSRC3618	66.	0.5228	0.8206		0					
WR361801	0.	IRR219670731	1	2	0	C3618_4	C361863618001			OBBCO
RANCH CORPORATION			SWEETWATER	CRK			2408000000	LEHS45		4
SO			BACKUP							
**IF361901 365. UNIF019710222 1 IFC3619_1										
WR361931	20.	IRR219710222	1	2	0	C3619_1	C361963619001			JFB
FARMS A PARTNERSHIP			COPPERAS	(RUSH) CRK			2407260000	LEHS45		4
WSR36191	30.	0.5228	0.8206		0					
**WR361941	20.	IRR219820816	1	2	0	C3619_2	C361963619001			JFB
FARMS A PARTNERSHIP			COPPERAS	(RUSH) CRK			2407260000	LEHS45	A	4
**WS361911	10.	0.5228	0.8206		0					
**SO	20.	361901								
**ML 31.	28.	31.	30.	31.	0.					
WR362001	25.	IRR219670531	1	2	0	C3620_1	C362063620001			E
J ALDERMAN			MARSHALL	SPRING BR			2406000000	LEHS45		4

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WR362031	72.	IRR219670911	1	2	0	C3620_2	C362063620001				E
J ALDERMAN							2406000000	LEHS45	4		
WSRC3620	72.	0.5228	0.8206	0	0						
** Modeled both authorized reservoirs as a single reservoir at the downstream location.											
**WR362231	50.	IRR219760628	1	2	0	C3622_1	C362263622001				CURTIS
LESLEY & ROYCE LESLEY							2405500000	LEHS45	A	4	
**WSRC3622	50.	0.5228	0.8206	0	0						
WR362331	26.	IRR219660423	1	2	0	C3623_1	C362363623001				MRS
MERLE MATTHEWS							2404400000	LEHS45		4	
WSRC3623	10.	0.5228	0.8206	0	0						
WR362301	0.	IRR219660423	1	2	0	C3623_2	C362363623001				MRS
MERLE MATTHEWS							2404400000	LEHS45		4	
SO	26.										
** Shares reservoir with C3623.											
WR362331	14.	IRR219660423	1	2	0	C3624_1	C362463624001				PAULINE
HALL							2404390000	LEHS45		4	
WSRC3623	10.	0.5228	0.8206	0	0						
WR362401	0.	IRR219660423	1	2	0	C3624_2	C362463624001				PAULINE
HALL							2404390000	LEHS45		4	
SO	26.										
** Modeled both authorized reservoirs as a single reservoir at the downstream location.											
**WR516131	54.	IRR219871113	1	2	0	P5161_1	P516115161001				WILLIAM
D CARROLL ET UX							2412010000	LABE52	A	4	
**WSRP5161	150.	0.5228	0.8206	0	0						
** Lake Proctor											
** FNI change - System operation											
WR515931	2685.	MUN219631216	1	2	0.0000	C5159_1	C515965159001				BRAZOS
RIVER AUTHORITY							2400000000	LEHS45		4	
WSPRCTOR	45424.				0						
**PX	1										
WR515931	735.	MUN219631216	1	2	0.0000	C5159_2	C515965159001				BRAZOS
RIVER AUTHORITY							2400000000	LEHS45		4	
WSPRCTOR	45424.				0						
**PX	1										
WR515931	1147.	MUN219631216	1	2	0.0000	C5159_3	C515965159001				BRAZOS
RIVER AUTHORITY							2400000000	LEHS45		4	
WSPRCTOR	45424.				0						
**PX	1										
WR515931	1772.	MUN219631216	1	2	0.0000	C5159_4	C515965159001				BRAZOS
RIVER AUTHORITY							2400000000	LEHS45		4	
WSPRCTOR	45424.				0						
**PX	1										
WR515931	1671.	MUN219631216	1	2	0.0000	C5159_5	C515965159001				BRAZOS
RIVER AUTHORITY							2400000000	LEHS45		4	
WSPRCTOR	45424.				0						
**PX	1										
WR515931	0.	IND219631216	1	2	0	C5159_6	C515965159001				BRAZOS
RIVER AUTHORITY							2400000000	LEHS45		4	
WSPRCTOR	45424.				0						
**PX	1										
WR515931	5948.	IRR219631216	1	2	0	C5159_7	C515965159001				BRAZOS
RIVER AUTHORITY							2400000000	LEHS45		4	
WSPRCTOR	45424.				0						
**PX	1										
WR515931	5700.	IRR219631216	1	2	0	C5159_8	C515965159001				BRAZOS
RIVER AUTHORITY							2400000000	LEHS45		4	
WSPRCTOR	45424.				0						
**PX	1										
WR515931	0.	MIN219631216	1	2	0	C5159_9	C515965159001				BRAZOS
RIVER AUTHORITY							2400000000	LEHS45		4	
WSPRCTOR	45424.				0						
**PX	1										
WR515931	0.	UNIFO19631216	1	2	0	C5159_10	C515965159001				BRAZOS
RIVER AUTHORITY							2400000000	LEHS45		4	
WSPRCTOR	45424.				0						
**PX	1										
** SysOp Change:											
** Calculate the total depletion for water right 5159.											
**WRSR5159		19631216				Compute Dep	5159	SYSTEM			
**TO	6	1.0	ADD			C5159_1	CONT				
**TO	6	1.0	ADD			C5159_2	CONT				
**TO	6	1.0	ADD			C5159_3	CONT				
**TO	6	1.0	ADD			C5159_4	CONT				
**TO	6	1.0	ADD			C5159_5	CONT				
**TO	6	1.0	ADD			C5159_6	CONT				
**TO	6	1.0	ADD			C5159_7	CONT				
**TO	6	1.0	ADD			C5159_8	CONT				
**TO	6	1.0	ADD			C5159_9	CONT				
**TO	6	1.0	ADD			C5159_10	CONT				
**PX	4										
**											

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** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
**WRSR5159 9999999          19631216          Depletion 5159  SYSTEM
**PX      5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WR515931          19631216          1.0000  5159DP          Lumped Dep 5159  SYSTEM 1simdep
**TO      11      1.0      ADD          Depletion 5159
**PX      2
** Special code to output storage from first simulation
**WRPR_dum          19631216          1simPRstor  look
**TO      4          SET          PROCTOR
**PX      4
**WRPR_dum 9999999  XMONTH19631216          2simPRstor  look
**PX      5
** end FNI change
**
** IBT of 2600 acft/yr to Trinity River Basin is authorized, and modeled in Run 8 with loss of priority.
** Use is also authorized in San Jacinto-Brazos Coastal Basin.
** Amendment dated 5/31/2002 allows up to 20,000 acft/yr to be transferred to the Trinity River
** Basin. Other than this note, the IBT is not included in the model.
** This right includes industrial, irrigation, mining and recreational use.
** - End modeling Lake Proctor
**
** Lake Granbury
**
WR515631 1557.  MUN219640213  1  2  0.0000          C5156_1  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBR51 118568.          0
**PX      1
WR515631 2600.  MUN219640213  1  2  0.0000          C5156_2  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBR51 118568.          0
**PX      1
WR515631 6705.  MUN219640213  1  4  R51561 101782          C5156_3  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBR51 118568.          0
**PX      1
WR515631 1475.  MUN219640213  1  2  0.0000          C5156_4  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBR51 118568.          0
**PX      1
WR515631 1073.  MUN219640213  1  2  0.0000          C5156_5  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBR51 118568.          0
**PX      1
WR515631 2.     IND219640213  1  2  0.0000          C5156_6  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBR51 118568.          0
**PX      1
WR515631 3748.  IND219640213  1  2  0.0000          C5156_7  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBR51 118568.          0
**PX      1
WR515631 40000. IND219640213  1  2  0.0000          C5156_8  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBR51 118568.          0
**PX      1
WR515631 4544.  IRR219640213  1  2  0.0000          C5156_9  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBR51 118568.          0
**PX      1
WR515631 2806.  IRR219640213  1  2  0.0000          C5156_10 C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBR51 118568.          0
**PX      1
WR515631 200.   IRR219640213  1  2  0.0000          C5156_11 C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBR51 118568.          0
**PX      1
WR515631 2.     MIN219640213  1  2  0.0000          C5156_12 C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30          5
WGRNBR51 118568.          0
**PX      1
** SysOp Change:
** Calculate the total depletion for water right 5156.
**WRSR5156          19640213          Compute Dep 5156  SYSTEM
**TO      6      1.0      ADD          C5156_1  CONT
**TO      6      1.0      ADD          C5156_2  CONT
**TO      6      1.0      ADD          C5156_3  CONT
**TO      6      1.0      ADD          C5156_4  CONT
    
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**TO      6      1.0      ADD      C5156_5      CONT
**TO      6      1.0      ADD      C5156_6      CONT
**TO      6      1.0      ADD      C5156_7      CONT
**TO      6      1.0      ADD      C5156_8      CONT
**TO      6      1.0      ADD      C5156_9      CONT
**TO      6      1.0      ADD      C5156_10     CONT
**TO      6      1.0      ADD      C5156_11     CONT
**TO      6      1.0      ADD      C5156_12     CONT
**PX      4
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
**WRSR5156 9999999      19640213      Depletion 5156      SYSTEM
**PX      5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WR515631      0      19640213      1.0000      5156DP      Lumped Dep 5156      SYSTEM lsimdep
**TO      11     1.0      ADD      Depletion 5156
**PX      2
** Special code to output storage from first simulation
**WRGB_dum      19640213      lsimGBstor      look
**TO      4      SET      GRNBRY
**PX      4
**WRGB_dum      9999999      XMONTH19640213      2simGBstor      look
**PX      5
** - End modeling Lake Granbury
** end FNI change
**
WR407301      42.0      IRR219560819      1      2      0.0000      C4073_1      C407364073001      JAMES
R. ROBINSON      BRAZOS RIVER      3289600000      BRGR30      5
WR407401      26.0      IRR219560819      1      2      0.0000      C4074_1      C407464074001      E.
F. ALLISON      BRAZOS RIVER      3289500000      BRGR30      5
WR407531      0.0      UNIFO19760705      1      2      0.0000      C4075_1      C407564075101      THE
R K HANGER TRUST      UNNAMED TRIB      3289300000      BRGR30      5
WSRC4075      300.      0.5228      0.8206      0      0
WR407241      308.      IRR219561231      1      2      0.0000      C4072_1      C407264072001      JAMES E
ANTHONY ET AL      BRAZOS RIVER      3289100000      BRGR30      5
WSRC4072      1.0      0.2710      0.8958      0      0
SO      407201
WR407601      15.5      IRR219660710      1      2      0.0000      C4076_1      C407664076001      D.
J. VAUGHN      BRAZOS RIVER      3288750000      BRGR30      5
WR407601      23.5      IRR219660710      1      2      0.0000      C4076_2      C407664076001      ROBIN
K SNIDER ET AL      BRAZOS RIVER      3288750000      BRGR30      5
WR407701      30.0      IRR219640831      1      2      0.0000      C4077_1      C407764077001      D.
J. BROWN      BRAZOS RIVER      3288500000      BRGR30      5
WR407801      54.0      IRR219570930      1      2      0.0000      C4078_1      C407864078001      ROBERT
& MARGARET KING INV INC      BRAZOS RIVER      3288450000      BRGR30      5
WR407931      92.0      IRR219640831      1      2      0.0000      C4079_1      C407964079001      JAMES
ROBERT HILL      BRAZOS RIVER      3288400000      BRGR30      5
WSRC4079      20.0      0.5228      0.8206      0      0
WR408003      112.      IRR219660702      1      2      0.0000      C4080_1      C408064080003      J
V & M G DURANT      BRAZOS RIVER      3288000000      BRGR30      5
WR408102      160.      IRR219660702      1      2      0.0000      C4081_1      C408164081002      F.
L. VAUGHN      BRAZOS RIVER      3287990000      BRGR30      5
WR408203      203.      IRR219500731      1      2      0.0000      C4082_1      C408264082003      S.
B. GRISSOM      BRAZOS RIVER      3286500000      BRGR30      5
WR408301      45.0      IRR219630930      1      2      0.0000      C4083_1      C408364083001      ROBERT
L FOREE JR      BRAZOS RIVER      3284000000      BRGR30      5
IF408401      3547.      UNIFO19731119      1      IFC4084_1
WR408431      25.0      IRR219731119      1      2      0.0000      C4084_1      C408464084000      EARL
R ALLISON      N PALUXY      3283230000      PAGR31      5
WSRC4084      25.0      0.4897      0.7633      0      0
WR408431      0.0      UNIFO19731119      1      2      0.0000      C4084_2      C408464084001      EARL
R ALLISON      N PALUXY      3283230000      PAGR31      5
WSRC4084      25.0      0.4897      0.7633      0      0
SO      408401      BACKUP
WR408531      10.3      IRR219741209      1      2      0.0000      C4085_1      C408564085001      EARL
R ALLISON      N PALUXY      3283150000      PAGR31      5
WR408531      17.7      IRR219741209      1      2      0.0000      C4085_2      C408564085001      DANE
ALLISON ET UX      N PALUXY      3283150000      PAGR31      5
WSRC4085      12.0      0.4897      0.7633      0      0
IF408601      10136.      UNIFO19750902      1      IFC4086_1
WR408641      15.0      IRR219750902      1      2      0.0000      C4086_1      C408664086001      GARY
& BEVERLY LEWELLEN      PALUXY RIVER      3283090000      PAGR31      5
WSRC4086      2.0      0.2710      0.8958      0      0
SO      15.      408601
**WR5295P1      100.      IRR219900511      1      2      0.0000      P5295_1      P529515295001      JAY
D. & DEBORAH MILLS      CROCKETT CRK      3281500000      PAGR31      A      5
**WSRP5295      175.      0.5228      0.8206      0      0
**WR529532      100.      IRR219900511      1      2      0.0000      P5295_2      P529515295002      JAY
D. & DEBORAH MILLS      RICHARDSON CRK      3281500000      PAGR31      A      5
**WSP52951      189.      0.5228      0.8206      0      0

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WR408702	81.0	IRR219650930	1	2	0.0000		C4087_1	C408764087002				LELAND
A HODGES ET AL						E BR WOLF		3281500000	PAGR31	5		
WSRC4087	360.	0.5228	0.8206		0							
WR408841	55.0	IRR219660630	1	2	0.0000		C4088_1	C408864088001				MILTON
C. & VIVIAN YOUNG						PALUXY RIVER		3281150000	PAGR31	5		
WSRC4088	2.0	0.5228	0.8206		0							
SO						55. 408801						
** WSA - 200 acft of watershed flows allowed to maintain storage. This right is contingent												
** upon water supply agreement with BRA.												
**WR562831	0.0	UNIFO19990505	1	2	0.0000		P5628_1	P562815628001				BLUEGREEN
SOUTHWEST						Unnamed trib to PALUXY RIVER		3281130000	PAGR31	A	5	
**WSRP5628	1773.	0.5228	0.8206		0							
**SO						150.						
**WR562832	0.0	UNIFO19990505	1	2	0.0000		P5628_2	P562815628302				BLUEGREEN
SOUTHWEST						Unnamed trib to RICHARDSON CRK		3281020000	PAGR31	A	5	
**WSP56281	538.	0.5228	0.8206		0							
**SO						50.						
WR408901	31.0	IRR219630331	1	2	0.0000		C4089_1	C408964089001				JACOB
T. & LAURA DAMERON						RICHARDSON		3281000000	PAGR31	5		
WR409031	197.	IRR219670814	1	2	0.0000		C4090_1	C409064090001				RICHARD
T. LIETZ ESTATE						MITCHELL CRK		3277000000	PAGR31	5		
WSRC4090	332.	0.5228	0.8206		0							
WR409201	6.0	IRR219640731	1	2	0.0000		C4092_1	C409264092001				"ROBERT
D. ADAMS, SR."						PONY CRK		3275500000	PAGR31	5		
WR409131	360.	IRR219650120	1	2	0.0000		C4091_1	C409164091001				KENNETH
LESLEY						LALLAH BR		3275000000	PAGR31	5		
WSRC4091	511.	0.4897	0.7633		0							
** For Runs 1 - 3, reduce the authorized diversion from 245 to 98 acft/yr as per special condition.												
** For Runs 4 - 8, set as appropriate depending upon historical use.												
WR393931	98.	IRR219821101	1	2	0.0000		P3939_1	P393913939001				KENNETH
& BETTY YVON LESLEY						LALLAH BR		3274950000	PAGR31	B	5	
WSRP3939	725.	0.4897	0.7633		0							
WR409301	94.0	IRR219631231	1	2	0.0000		C4093_1	C409364093001				ERNEST
H CANNON						PONY CRK		3273000000	PAGR31	D	5	
WR409401	16.0	IRR219350630	1	2	0.0000		C4094_1	C409464094001				J
B SANDERSON ET AL						PALUXY RIVER		3271500000	PAGR31	5		
WR409501	10.0	IRR219491231	1	2	0.0000		C4095_1	C409564095001				J.
C. MCFALL						PALUXY RIVER		3262000000	PAGR31	5		
WR409631	0.0	UNIFO19740528	1	2	0.0000		C4096_1	C409664096301				CITY
OF GLEN ROSE						PALUXY RIVER		3259300000	BRAQ33	5		
WSRC4096	2.0	0.5228	0.8206		0							
** Placed reservoir point below confluence of Squaw Creek and Panther Creek. Diversions												
** to and from Lake Granbury are authorized by contract, but not modeled. Instream flow requirement												
** placed at closest point to HWY 144 (below reservoir).												
**												
IF409732	1086.	UNIFO19730425				3	IFC4097_1					
WSSQWCRK 143399.												
OR409732						-1						
**												
WR409732	23180.	IND219730425	1	2	0.0000		C4097_1	C409764097002				TEXAS
UTILITIES ELECTRIC CO						SQUAW CRK		3259000000	BRAQ33	5		
WSSQWCRK 143399.												
**IF546031	4344.	UNIFO19930427					1					IFP5460_1
A												
**WR546031	0.0	UNIFO19930427	1	2	0.0000		P5460_1	P546015460301				THE
COUNTY OF SOMERVELL						SQUAW CRK		3258900000	BRAQ33	A	5	
**WSP54601	4.5	0.5228	0.8206		0							
**WR546041	356.	IRR219930427	1	2	0.0000		P5460_2	P546015460601				THE
COUNTY OF SOMERVELL						SQUAW CRK		3258900000	BRAQ33	A	5	
**WSRP5460	32.0	0.2710	0.8958		0							
**SO						356. 546031						
WR409801	258.	IRR219540731	1	2	0.0000		C4098_1	C409864098001				BOB
HARRIS OIL CO						BRAZOS RIVER		3258800000	BRAQ33	5		
WR409901	5.0	IRR219490831	1	2	0.0000		C4099_1	C409964099001				DOROTHY
W. LITTLE ETAL						BRAZOS RIVER		3258750000	BRAQ33	5		
WR502831	0.0	UNIFO19851108	1	2	0.0000		P5028_1	P502815028001				O'GRADY
SIX O RANCH & CATTLE CO						UNNAMED TRIB		3258650000	BRAQ33	5		
WSRP5028	895.	0.5228	0.8206		0							
WR410001	125.	MIN219591231	1	1	1.0000		C4100_1	C410064100001				LAFARGE
CORPORATION						BRAZOS RIVER		3258400000	BRAQ33	B	5	
WR410131	0.0	UNIFO19690909	1	2	0.0000		C4101_1	C410164101301				TEXAS
PARKS & WILDLIFE DEPT						UNNAMED TRIB		3258200000	BRAQ33	5		
WSRC4101	1450.	0.5228	0.8206		0							
** change to main stem												
WR410202	77.0	IRR219631231	1	2	0.0000		C4102_1	C410264102003				STANDARD
INVESTMENT CO.						GRASS CRK		3258170000	BRAQ33	5		
WR410306	186.	IRR219551231	1	2	0.0000		C4103_1	C410364103006				"CYRIL
WAGNER, JR., ETAL"						BRAZOS RIVER		3257900000	BRAQ33	5		
WR410409	3811.	IRR219571231	1	2	0.0000		C4104_1	C410464104009				PERRY
R BASS INC						BRAZOS RIVER		3257600000	BRAQ33	5		
WR410501	8.0	IRR219770131	1	2	0.0000		C4105_1	C410564105001				WESLEY
RAY CARSON						NOLAN CRK		3257450000	NRBL32	5		
WR410501	4.0	IRR219770131	1	2	0.0000		C4105_2	C410564105001				CREPE
MYRTLE OF TEXAS INC						NOLAN CRK		3257450000	NRBL32	5		

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**      Elev 533 = 1267 cfs
**
**      Model as most junior water right with 100% returns so downstream water rights have access to flows
**      Drought Index 3 varies with elevation
**
**WR515731 918319    DAYS      1  3  1      1.0 515751      8      WhitHydro WH_COE
WR515731 918319    DAYS99999999  1  2      1.0 515751      3      WHITHYDRO WH_COE
WSCORWHT 445053.                430000                1      -1
**
**WR515731      0      99999999  1                                EVAP1
**WSWHITNY 387024
WR515731      0      99999999  1  2  0.0000      EVAP2  C515765157001      1
RIVER AUTHORITY      BRAZOS RIVER      3246200000  BRAQ33      5      BRAZOS
**WS  BRA  50000
WSBRAWHT 50000.                1                                1      -1
PX      1
**
WR515731      0      99999999  1  2  0.0000      EVAP2  C515765157001      5      BRAZOS
RIVER AUTHORITY      BRAZOS RIVER      3246200000  BRAQ33
WSBRAWHT 50000.                1
PX      2
**
WR515731                99999999  1                                EVAP3  WH_COE
**WSCORWHT 199076
WSCORWHT 445053.                1      -1                                1      -1
PX      1
**
WR515731                99999999  1                                EVAP3  WH_COE
WSCORWHT 445053.                1      -1
PX      2
**
** SysOp Change:
** Calculate the total depletion for water right 5157.
**WRSR5157      19820830                Compute Dep 5157  SYSTEM
**TO      6      1.0      ADD                C5157_1
**PX      4
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
**WRSR5157 9999999      19820830                Depletion 5157  SYSTEM
**PX      5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WR515731      19820830      1.0000 5157DP      Lumped Dep 5157  SYSTEM 1simdep
**TO      11      1.0      ADD                Depletion 5157
**PX      2
** Special code to output storage from first simulation
**WRWH_dum      99999999
**TO      4      SET                BRAWHT      1simBRAWHstor      look
**PX      4
**WRWH_dum 9999999  XMONTH99999999
**PX      5                2simBRAWHstor      look
**WRWH_dum      99999999
**TO      4      SET                CORWHT      1simWHstor      look
**PX      4
**WRWH_dum 9999999  XMONTH99999999
**PX      5                2simWHstor      look
** - End modeling Lake Whitney
** end FNI change
**
WR431501 30.0    IRR219601231  1  2  0.0000      C4315_1  C431564315001      CHESLEY
J AUTEN      BRAZOS RIVER      3244600000  BRAQ33      5
WR431601 75.0    IRR219611231  1  2  0.0000      C4316_1  C431664316001      B
W & SARA J. BOWERS      BRAZOS RIVER      3244500000  BRAQ33      5
WR431701 243.    IRR219631231  1  2  0.0000      C4317_1  C431764317001      MARY
ANN JENKINS ET AL      BRAZOS RIVER      3244200000  BRAQ33      5
** Pursuant to amendment 4318B reduce 667 by 20 af
**WR431801 667.    IRR219211231  1  2  0.0000      C4318_1  C431864318001      JOHN
MCPHERSON ET AL      BRAZOS RIVER      3244000000  BRAQ33      5
WR431801 647.    IRR219211231  1  2  0.0000      C4318_1  C431864318001      JOHN
MCPHERSON ET AL      BRAZOS RIVER      3244000000  BRAQ33      5
WR431841 2820.   IRR219211231  1  2  0.0000      C4318_2  C431864318003      ED
HUDDLESTON & JOHN MCPHERSON ET AL      BRAZOS RIVER      3244000000  BRAQ33      5
WSRC4318 288.    0.2710 0.8958      0      0
SO      2820. 431803
** Amendment,Certificate 4318B
IF228302 12827  IFLGC19211231      1                                IF4318_ON
WR228302 20      LGC19211231      1  1      1  LGCALT      C4318_4
WR431831 0      LGC20010118      1  2                                C4318_3
WS 4318 8.5    0.5228 0.8206      0      0
SO      LGCALT
IF228302 0      IFLGC19211231      1                                IF4318_OF

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IF228302	12827	IFLGC20010118	1		IF4318_OA				
**									
WR431902	34.0	IRR219620331	1	2	0.0000	C4319_1	C431964319002		BIRCH
WILFONG							3243900000 BRQA33	5	
WR432001	84.0	IRR219670731	1	2	0.0000	C4320_1	C432064320001		HERMAN
L HORN							3242600000 BRWA41	5	
**IF414101	170204.	IFD05119840515				1			IFP4141_1
A									
**WR414101	170.	IRR219840515	1	2	0.0000	P4141_1	P414114141001		W
L MCPHERSON ET AL							3242510000 CFNU16	A 5	
WR432101	337.	IRR219630831	1	2	0.0000	C4321_1	C432164321001		WALTON
K BALLEW							3242300000 BRWA41	5	
WR432202	175.	IRR219640630	1	2	0.0000	C4322_1	C432264322002		ALTHIA
B G BURNETTE							3242200000 BRWA41	5	
WR432301	173.	IRR219560630	1	2	0.0000	C4323_1	C432364323001		DOCK
L BURNETTE							3242000000 BRWA41	5	
WR432401	305.	IRR219650630	1	2	0.0000	C4324_1	C432464324001		VANESSA
A GILPIN							3241950000 BRWA41	5	
WR432441	0.	IRR219650630	1	2	0.0000	C4324_2	C432464324001		VANESSA
A GILPIN							3241950000 BRWA41	5	
WSRC4324	12.0	0.2710 0.8958			0				
WR432501	48.0	IRR219670630	1	2	0.0000	C4325_1	C432564325001		NELDA
KATHRYN CARGILL							3241500000 BRWA41	5	
WR432601	6.0	IRR219591231	1	2	0.0000	C4326_1	C432664326001		DAN
WELDON WILLIAMS							3241480000 BRWA41	5	
WR432701	4.0	IRR219591231	1	2	0.0000	C4327_1	C432764327001		DAN
WELDON WILLIAMS							3241470000 BRWA41	5	
WR432801	40.0	IRR219640701	1	2	0.0000	C4328_1	C432864328001		GEORGE
L MOORE							3241460000 BRWA41	5	
WR432901	74.0	IND219641231	1	2	0.0000	C4329_1	C432964329001		THOMAS
BOTHERS GRASS LTD							3241270000 BRWA41	5	
WR432901	856.	IRR219641231	1	2	0.0000	C4329_2	C432964329001		THOMAS
BOTHERS GRASS LTD							3241270000 BRWA41	5	
WR433201	32.0	IRR219401231	1	2	0.0000	C4332_1	C433264332001		KARL
LEE REDDELL ET AL							3240900000 BRWA41	5	
WR433101	44.0	IRR219401231	1	2	0.0000	C4331_1	C433164331001		DIANA
M WELLBORN ET AL							3240880000 BRWA41	5	
WR433001	16.0	IRR219401231	1	2	0.0000	C4330_1	C433064330001		KARL
LEE & ELSIE MAE REDDELL							3240870000 BRWA41	5	
WR433331	8.0	IRR219760614	1	2	0.0000	C4333_1	C433364333001		HILLSBORO
COUNTRY CLUB							3232900000 AQAQ34	5	
WSRC4333	18.0	0.5228 0.8206			0				

** Lake Aquilla
 ** Use is also authorized in San Jacinto-Brazos Coastal Basin.
 **

IF515831	362.	UNIFO19761025	3			IFC5158_1			
WSAQUILLA	31575.				0				
OR515831			-1						
** FNI change - System Operation									
WR515831	12246.	MUN219761025	1	2	0.0000	C5158_1	C515865158001		BRAZOS
RIVER AUTHORITY							3232500000 AQAQ34	5	
WSAQUILLA	31575.				0				
**PX	1								
WR515831	1650.	MUN219761025	1	4	R51581 106301	C5158_2	C515865158001		BRAZOS
RIVER AUTHORITY							3232500000 AQAQ34	5	
WSAQUILLA	31575.				0				
**PX	1								
WR515831	0.0	IND219761025	1	2	0.0000	C5158_3	C515865158001		BRAZOS
RIVER AUTHORITY							3232500000 AQAQ34	5	
WSAQUILLA	31575.				0				
**PX	1								
WR515831	0.0	MIN219761025	1	2	0.0000	C5158_4	C515865158001		BRAZOS
RIVER AUTHORITY							3232500000 AQAQ34	5	
WSAQUILLA	31575.				0				
**PX	1								
WR515831	0.0	UNIFO19761025	1	2	0.0000	C5158_5	C515865158001		BRAZOS
RIVER AUTHORITY							3232500000 AQAQ34	5	
WSAQUILLA	31575.				0				
**PX	1								

** SysOp Change:
 ** Calculate the total depletion for water right 5158.
 **WRSR5158 19761025 Compute Dep 5158 SYSTEM
 **TO 6 1.0 ADD C5158_1 CONT
 **TO 6 1.0 ADD C5158_2 CONT
 **TO 6 1.0 ADD C5158_3 CONT
 **TO 6 1.0 ADD C5158_4 CONT
 **TO 6 1.0 ADD C5158_5 CONT
 **PX 4

** SysOp Change:
 ** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited to the regulated flow. In the first pass, the regulated flow is the depletion from the reservoir. In the second pass,

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** the depletion is limited to the first pass (base run)
**WRSR5158 9999999      19761025      Depletion 5158  SYSTEM
**PX      5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WRS15831      19761025      1.0000  5158DP      Lumped Dep 5158  SYSTEM lsimdep
**TO      11      1.0      ADD      Depletion 5158
**PX      2
** Special code to output storage from first simulation
**WRAQ_dum      19761025      lsimAQstor      look
**TO      4      SET      AQUILA
**PX      4
**WRAQ_dum      9999999  XMONTH19761025      2simAQstor      look
**PX      5
** - End modeling Aquila Reservoir.
** end FNI change
WR433431      1.0      IRR219640811      1 2 0.0000      C4334_1      C433464334001      "GEORGE
W. MCNIEL, ET AL"      AQUILLA CRK      3232000000      AQAQ34      5
WSRC4334      50.0      0.5228  0.8206      0 0
WR433501      40.0      IRR219640731      1 2 0.0000      C4335_1      C433564335001      ALPHONS
D URBANOVSKY      AQUILLA CRK      3229000000      BRWA41      5
WR433601      55.0      IRR219530630      1 2 0.0000      C4336_1      C433664336001      FAYE
SMITH ROMINE      GILES      3224800000      BRWA41      5
WR433601      55.0      IRR219530630      1 2 0.0000      C4336_2      C433664336001      KAYE
SMITH BOYD      GILES      3224800000      BRWA41      5
WR433701      58.0      IRR219660630      1 2 0.0000      C4337_1      C433764337001      DONALD
RISINGER PENSION PLAN      WHITE RIVER      3224680000      BRWA41      5
WR433801      130.      IRR219630523      1 2 0.0000      C4338_1      C433864338001      "JIM
G DOLLINS, SR"      BRAZOS RIVER      3224650000      BRWA41      5
WR220131      197.      IRR219680318      1 2 0.0000      C2201_1      C220162201002      "A.
B. COPELAND, JR."      N BOSQUE RIVER      3224500000      NBHI35      6
WSRC2201      197.      0.5228  0.8206      0 0
** The following three water rights share the same reservoir, but their right to divert has expired.
WR220331      0.0      D&L219720821      1 2 0.0000      C2203_1      C220362203301      LARRY
R JONES      N BOSQUE RIVER      3224450000      NBHI35      6
WSRC2202      252.      0.5228  0.8206      0 0
WR220331      0.0      D&L219720821      1 2 0.0000      C2202_1      C220262202301      JAMES
F EVERETT      N BOSQUE RIVER      3224420000      NBHI35      6
WSRC2202      252.      0.5228  0.8206      0 0
WR220331      0.0      D&L219720821      1 2 0.0000      C2204_1      C220462204001      JERRY
J. RANKIN ET AL      N BOSQUE RIVER      3224410000      NBHI35      6
WSRC2202      252.      0.5228  0.8206      0 0
WR220531      150.      IRR219701221      1 2 0.0000      C2205_1      C220562205001      JACK
BERRY      SCARBOROUGH CRK      3224400000      NBHI35      6
WSRC2205      307.      0.5228  0.8206      0 0
** The following 2 water rights share the same reservoir (RC2206).
WR220631      60.0      IRR219720103      1 2 0.0000      C2206_1      C220662206001      H.
W. NORTHCUTT      N FRK N BOSQUE RIVER      3224330000      NBHI35      6
WSRC2206      185.      0.5228  0.8206      0 0
WR220631      23.0      IRR219720103      1 2 0.0000      C2207_1      C220762207001      "ELVIS
RAY STONE SR, ET AL"      N FRK N BOSQUE RIVER      3224300000      NBHI35      6
WSRC2206      185.      0.5228  0.8206      0 0
** This water right (C2208) was reduced to 60 acft/yr under amendment C2208A, then split
** under amendment C2208B into 40 acft/yr & 20 acft/yr portions. The 20 acft/yr portion also represents
** a change in diversion location. While maintaining its 07/06/1971 priority date it was made
** junior to a list of water rights intervening between the original diversion location and the
** new diversion location. The 20 acft/yr portion is included in the input file in an order equivalent
** to the new diversion location, but the subordination to the intervening rights is not modeled.
WR220831      40.0      IRR219710706      1 2 0.0000      C2208_1      C220862208001      B
R FANNING      N FRK BOSQUE RIVER      3224270000      NBHI35      6
WSRC2208      121.      0.5228  0.8206      0 0
WR220931      3.0      IRR219770912      1 2 0.0000      C2209_1      C220962209001      H.
B. LANE      N FRK N BOSQUE RIVER      3224250000      NBHI35      6
WSRC2209      7.0      0.5228  0.8206      0 0
WR221001      92.0      IRR219530401      1 2 0.0000      C2210_1      C221062210001      RAYMOND
L. JARRATT      N BOSQUE RIVER      3224230000      NBHI35      6
WR221131      85.0      IRR219770124      1 2 0.0000      C2211_1      C221162211001      J.
T. HICKS      N BOSQUE RIVER      3224000000      NBHI35      6
WSRC2211      147.      0.5228  0.8206      0 0
**WR390002      150.      IRR219820607      1 2 0.0000      P3900_1      P390013900002      ANN
WYLIE MARTIN      S FRK N BOSQUE RIVER      3223830000      NBHI35      A 6
**WRSR3900      336.      0.8109  0.6681      0 0
** Water Rights C2212, C2213, & C2214 share the common reservoir RC2212. The diversion
** for these rights has expired, but the impoundment has not.
WR221231      0.0      D&L219720821      1 2 0.0000      C2212_1      C221262212301      BRUCE
S TERRILL      GOOSE BR      3223660000      NBHI35      6
WSRC2212      200.      0.4897  0.7633      0 0
WR221231      0.0      D&L219720821      1 2 0.0000      C2213_1      C221362213301      WILBURN
L GAINES      GOOSE BR      3223650000      NBHI35      6
WSRC2212      200.      0.4897  0.7633      0 0
WR221231      0.0      D&L219720821      1 2 0.0000      C2214_1      C221462214301      G
K LEWALLEN      GOOSE BR      3223640000      NBHI35      6

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WSRC2212	200.	0.4897	0.7633	0	0							
** Water rights C2216 & C2215 share the common reservoir RC2216.												
WR221631	54.0	IRR219680226		1	2	0.0000	C2216_1	C221662216001				CRAIG
W. RAY								3223600000	NBHI35	6		
WSRC2216	160.	0.5228	0.8206	0	0							
WR221631	54.0	IRR219680226		1	2	0.0000	C2215_1	C221562215001				GREAT
SOUTHERN RANCH INC								3223500000	NBHI35	6		
WSRC2216	160.	0.5228	0.8206	0	0							
** Diversion portion of the right has expired and the storage reduced to 200 acft from 240.												
** Rights C2217 & C2218 share the common reservoir RC2217.												
WR221731	0.0	D&L219730205		1	2	0.0000	C2217_1	C221762217301				O
H FRAZIER & M B CASEY								3223110000	NBHI35	6		
WSRC2217	200.	0.5228	0.8206	0	0							
WR221731	0.0	D&L219780710		1	2	0.0000	C2218_1	C221862218301				SAMUEL
M FRAZIER ET AL								3223000000	NBHI35	6		
WSRC2217	200.	0.5228	0.8206	0	0							
** Water available to this right is from City of Stephenville effluent discharges.												
**WR561931	0.0	UNIFO19981130		1	2	0.0000	P5619_1	P561915619301				CITY
OF STEPHENVILLE								3222900000	NBHI35	A	6	
**WSRP5619	4.0	0.5228	0.8206	0	0							
**SO			102902									
WR221901	13.0	IRR219641231		1	2	0.0000	C2219_1	C221962219001				"JAMES
F JOHNSON, ET UX"								3222800000	NBHI35	6		
WR222001	12.0	IRR219630531		1	2	0.0000	C2220_1	C222062220001				HAROLD
PACK								3222700000	NBHI35	6		
** This water right is subject to the availability of effluent in the North Bosque River.												
**IF500702	1087.0	IFD06119850906		1								IFP5007_1
A												
**WR500702	38.0	IRR219850906		1	2	0.0000	P5007_1	P500715007002				GARY
FIRESTONE ET UX								3222550000	NBHI35	A	6	
**SO			102902									
** Original Lesley 12-2221												
WR222101	18.0	IRR219621231		1	2	0.0000	C2221_1	C222162221001				KENNETH
& BETTY YVON LESLEY								3222500000	NBHI35	6		
** Term water granted by 12-2221A (Lesley) expires in 2012, December 31 - JD												
**IF222101	841.78	2221IF19991104		1								IFC2221_2
A												
**WR222101	82.0	2221A19991104		1	2	0.0000	C2221_2	C222162221002				KENNETH
& BETTY YVON LESLEY								3222500000	NBHI35	6		
WR222201	110.	IRR219621031		1	2	0.0000	C2222_1	C222262222001				HARM
& ZWAANTINA TE VELDE TRST								3222200000	NBHI35	6		
** This water right is subject to the availability of effluent in the North Bosque River.												
**IF505201	1087.0	IFD06119860328		1								IFP5052_1
A												
**WR505201	80.0	IRR219860328		1	2	0.0000	P5052_1	P505215052001				ROBERT
LAWRENCE HANCOCK ET UX								3221610000	NBHI35	A	6	
**SO			102902									
WR222301	0.0	IRR219770815		1	2	0.0000	C2223_1	C222362223001				LAWRENCE
A. HANCOCK								3221600000	NBHI35	B	6	
WR222431	0.0	D&L219740311		1	2	0.0000	C2224_1	C222462224301				VALERIE
JANE HICKIE								3221580000	NBHI35	6		
WSRC2224	280.	0.5228	0.8206	0	0							
WR222501	34.0	IRR219660630		1	2	0.0000	C2225_1	C222562225001				TY
MURRAY								3221550000	NBHI35	6		
** Water rights C2230 & C2231 share the common reservoir RC2230.												
WR223031	76.0	IRR219661024		1	2	0.0000	C2230_1	C223062230001				TY
MURRAY								3221350000	NBHI35	6		
WSRC2230	200.	0.5228	0.8206	0	0							
WR223031	42.0	IRR219661024		1	2	0.0000	C2231_1	C223162230001				ESTATE
OF C C WINTERS								3221250000	NBHI35	6		
WSRC2230	200.	0.5228	0.8206	0	0							
WR223231	16.0	IRR219680325		1	2	0.0000	C2232_1	C223262232101				CHARLES
A & ROBERT S ELLIOTT								3221300000	NBHI35	6		
WSRC2232	172.	0.5228	0.8206	0	0							
WR222731	60.0	IRR219651118		1	2	0.0000	C2227_1	C222762227001				CHARLIE
S EVERETT & WIFE								3221000000	NBHI35	6		
WSRC2227	87.5	0.5228	0.8206	0	0							
WR222831	60.0	IRR219680226		1	2	0.0000	C2228_1	C222862228001				SWAN
E RICHARDSON JR								3220800000	NBHI35	6		
WSRC2228	272.	0.5228	0.8206	0	0							
WR222601	61.0	IRR219600731		1	2	0.0000	C2226_1	C222662226001				T
T FAIR ET UX								3220500000	NBHI35	6		
WR222901	44.0	IRR219530531		1	2	0.0000	C2229_1	C222962229001				J
B MCCONNELL								3220350000	NBHI35	6		
**IF555711	1227.0	IFD06219860328		1								IFP5557_1
A												
**WR555711	100.	IRR219960719		1	2	0.0000	P5557_1	P555715557101				RANDY
M TRAYLOR ET UX								3220200000	NBHI35	A	6	
WR223301	18.0	IRR219570731		1	2	0.0000	C2233_1	C223362233001				J
W OGLE ET AL								3220060000	NBHI35	6		
WR223401	125.	IRR219631231		1	2	0.0000	C2234_1	C223462234001				BRUCE
E TODD								3220050000	NBHI35	6		
IFP41242	3594.	IFD06319820621		1								IFP4124_1

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WR412431	225.	IRR219820621	1	2	0.0000	P4124_1	P412414124001			BRUCE
E TODD							3220043000	NBHI35	6	
WSRP4124	180.	0.8109	0.6681	0	0					
WR412431	0.	IRR219820621	1	2	0.0000	P4124_2	P412414124001			BRUCE
E TODD							3220043000	NBHI35	6	
WSRP4124	180.	0.8109	0.6681	0	0					
SO		P41242								
WR223501	8.0	IRR219630430	1	2	0.0000	C2235_1	C223562235001			7
M RANCH TRUST							3220040000	NBHI35	6	
WR223601	24.0	IRR219611231	1	2	0.0000	C2236_1	C223662236001			BRUCE
E TODD							3220030000	NBHI35	6	
WR223731	90.0	IRR219580604	1	2	0.0000	C2237_1	C223762237001			MAX
L GORDON & ELOISE GORDON							3220000000	NBHI35	6	
WSRC2237	181.	0.5228	0.8206	0	0					
** Divert maximum of 130 acft/yr from 149 acft on-channel reservoir.						Divert 66 acft/yr from				
** off-channel reservoirs and Green Creek.										
WR223831	130.0	IRR219550731	1	2	0.0000	C2238_1	C223862238001			JON
DAVID MAYFIELD TRUST							3216000000	NBHI35	6	
WSRC2238	149.0	0.5228	0.8206	0	0					
WR223841	66.0	IRR119550731	1	2	0.0000	C2238_2	C223862238001			
NBHI35										
WSR22381	60.0	0.2710	0.8958	0	0					
SO		196.	223801							
WR223931	32.0	IRR219550627	1	2	0.0000	C2239_1	C223962239001			A.
H. LINNE							3214000000	NBHI35	6	
WSRC2239	164.	0.5228	0.8206	0	0					
WR224031	137.	IRR219701013	1	2	0.0000	C2240_1	C224062240002			A
DWAIN MAYFIELD ET AL							3212000000	NBHI35	6	
WSRC2240	137.	0.5228	0.8206	0	0					
** Water rights C2241 & C2242 share the common reservoir RC2241.										
WR224131	33.0	IRR219691222	1	2	0.0000	C2241_1	C224162241001			"WAYNE
PITTMAN, ET AL"							3207000000	NBHI35	6	
WSRC2241	148.	0.5228	0.8206	0	0					
WR224131	40.0	IRR219691222	1	2	0.0000	C2242_1	C224262242001			MRS
W K RICHARDSON							3206990000	NBHI35	6	
WSRC2241	148.	0.5228	0.8206	0	0					
WR224331	90.0	IRR219580908	1	2	0.0000	C2243_1	C224362243002			BEN
E. ROBBINS							3205000000	NBHI35	6	
WSRC2243	188.	0.5228	0.8206	0	0					
** Water rights C2244 & C2245 share the common reservoir RC2244.										
WR224431	27.0	IRR219650202	1	2	0.0000	C2244_1	C224462244001			DONALD
MCLEAN							3204000000	NBHI35	6	
WSRC2244	54.0	0.5228	0.8206	0	0					
WR224431	20.0	IRR219650202	1	2	0.0000	C2245_1	C224562245001			DORIS
S HEIZER							3203000000	NBHI35	6	
WSRC2244	54.0	0.5228	0.8206	0	0					
WR224631	152.	IRR219660330	1	2	0.0000	C2246_1	C224662246001			DON
MITCHELL ET AL							3201000000	NBHI35	6	
WSRC2246	199.	0.4897	0.7633	0	0					
** Water rights C2247_1, C2248, & C2249 share the common reservoir RC2248.										
WR224831	35.0	IRR219680408	1	2	0.0000	C2247_1	C224762247001			BAR-
TO-LO CORPORATION							3197150000	NBHI35	6	
WSRC2248	179.	0.5228	0.8206	0	0					
**WSRC2247	27.0	0.5228	0.8206	0	0					
WR224831	62.0	IRR219570930	1	2	0.0000	C2248_1	C224862248001			ALWINA
LUINE HEIZER HANCOCK							3197050000	NBHI35	6	
WSRC2248	179.	0.5228	0.8206	0	0					
WR224831	19.0	IRR219680408	1	2	0.0000	C2249_1	C224962249002			THOMAS
H. & DOLORES C. BENSON							3197000000	NBHI35	6	
WSRC2248	179.	0.5228	0.8206	0	0					
WR225001	4.0	IRR219670731	1	2	0.0000	C2250_1	C225062250001			OTHEY
SHADDEN							3192500000	NBHI35	6	
WR225101	28.0	IRR219630718	1	2	0.0000	C2251_1	C225162251001			WANDA
TRIMBLE							3191600000	NBHI35	6	
WR225331	0.0	D&L219730730	1	2	0.0000	C2253_1	C225362253301			J
P CATTLE COMPANY							3191250000	NBHI35	6	
WSRC2253	270.	0.5228	0.8206	0	0					
WR225201	30.0	IRR219631231	1	2	0.0000	C2252_1	C225262252001			J
B PUTTY TRUSTEE							3191200000	NBHI35	6	
**WR505131	606.	IRR219860328	1	2	0.0000	P5051_1	P505115051001			DENNIS
R HADEN							3191150000	NBHI35	A 6	
**WSRP5051	1227.	0.5228	0.8206	0	0					
WR225501	47.7	IRR219621231	1	2	0.0000	C2255_1	C225562255001			WAYNE
V DUNCAN ET UX							3191020000	NBHI35	6	
WR225501	26.8	IRR219621231	1	2	0.0000	C2255_2	C225562255001			ROBERT
L BOYKIN ET AL							3191020000	NBHI35	6	
WR225501	84.5	IRR219621231	1	2	0.0000	C2255_3	C225562255001			GARY
W DUNCAN ET AL							3191020000	NBHI35	6	
WR225401	65.0	IRR219551231	1	2	0.0000	C2254_1	C225462254001			W
E PUTTY							3191010000	NBHI35	6	
WR225801	32.0	IRR219661231	1	2	0.0000	C2258_1	C225862258001			RANDOLPH
M ROTEN							3191000000	NBHI35	6	
WR225901	112.0	IRR219651231	1	2	0.0000	C2259_1	C225962259001			F
MELVIN JOHNSON							3190510000	NBHI35	6	

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WR226001	56.0	IRR219500731	1	2	0.0000				C2260_1	C226062260001			F.
MELVIN & HELENE JOHNSON										3190490000	NBHI35	6	
WR226101	8.0	IRR219671231	1	2	0.0000				C2261_1	C226162261001			CECIL
PARKS										3190200000	NBCL36	6	
WR226201	30.0	IRR219671231	1	2	0.0000				C2262_1	C226262262001			VERNON
CLARK BEAIRD										3189650000	NBCL36	6	
WR226301	65.0	IRR219591231	1	2	0.0000				C2263_1	C226362263001			WILLIAM
VAN ZANDT SLOAN & WIFE										3188500000	NBCL36	6	
WR226404	45.0	IRR219551231	1	2	0.0000				C2264_1	C226462264004			WILLIAM
VAN ZANDT SLOAN & WIFE										3188400000	NBCL36	6	
WR226501	268.0	IRR219551231	1	2	0.0000				C2265_1	C226562265001			DEREL
FILLINGIM										3188000000	NBCL36	6	
** Expired													
**WR378331	0.	IRR219801006	1	2	0.0000				P3783_1	P378313783001			DEREL
FILLINGIM										3187900000	NBCL36	A 6	
**WSRP3783	75.0	0.5228	0.8206		0								
**IF378301	10136.0	IFD06419801006					1						IFP3783_1
A													
**WR378301	200.	IRR219801006	1	2	0.0000				P3783_2	P378313783001			DEREL
FILLINGIM										3187900000	NBCL36	A 6	
**WR378331	0.	IND219801006	1	2	0.0000				P3783_3	P378313783001			DEREL
FILLINGIM										3187900000	NBCL36	A 6	
**WSRP3783	75.0	0.5228	0.8206		0								
**SO	200.												
WR226601	18.0	IRR219661231	1	2	0.0000				C2266_1	C226662266001			KARL
T BUTZ JR										3186850000	NBCL36	6	
WR226701	0.3	IRR219471231	1	2	0.0000				C2267_1	C226762267001			RONNIE
W PARTAIN										3185900000	NBCL36	6	
WR226701	0.7	IRR219471231	1	2	0.0000				C2267_2	C226762267001			MARGO
JOY PARTAIN BATTERSHELL										3185900000	NBCL36	6	
WR226801	11.0	IRR219631231	1	2	0.0000				C2268_1	C226862268001			"BARRY
L. POLK, ET UX"										3185880000	NBCL36	6	
WR226901	4.0	IRR219661231	1	2	0.0000				C2269_1	C226962269001			MICHAEL
J LOTT ET UX										3184520000	NBCL36	6	
WR227031	24.0	IRR219670531	1	2	0.0000				C2270_1	C227062270001			J.
N. BURNS										3184250000	NBCL36	6	
WSRC2270	26.0	0.4897	0.7633		0								
WR227101	15.0	IRR219501231	1	2	0.0000				C2271_1	C227162271001			ALBERT
N PIKE & EUGENIA PIKE GOODMAN										3184000000	NBCL36	6	
WR227201	42.0	IRR219661231	1	2	0.0000				C2272_1	C227262272001			DAVID
H. MONNICH										3183500000	NBCL36	6	
WR227302	98.0	IRR219791106	1	2	0.0000				C2273_1	C227362273002			W.F.LONG
ROUGH CRK										3181000000	NBCL36	6	
WSC22731	450.	0.5228	0.8206		0								
WR227301	0.0	IRR219791106	1	2	0.0000				C2273_2	C227362273001			W.F.LONG
ROUGH CRK										3181000000	NBCL36	6	
WSRC2273	78.	0.5228	0.8206		0								
SO	98.0												
** Water Right C2274 shares 99 acft of storage with C2275 in reservoir C22753.													
**WR227432	81.0	IRR219691020	1	2	0.0000				C2274_1	C227462274002			LOUIS
A BEECHERL JR										3180100000	NBCL36	6	
**WSC22741	1217.	0.5228	0.8206		0								
**WR227431	0.0	IRR219691020	1	2	0.0000				C2274_2	C227462274001			LOUIS
A BEECHERL JR										3180100000	NBCL36	6	
**WSC22742	248.	0.4897	0.7633		0								
**SO													
**WR227537	0.0	IRR219691020	1	2	0.0000				C2274_3	C227462275007			LOUIS
A BEECHERL JR										3180100000	NBCL36	6	
**WSC22753	99.	0.5228	0.8206		0								
**SO													
** Grouped 5 of 7 reservoirs associated with this right at control point 227511 for a combined													
** storage of 1166 acft. Reservoir C22753 shared with C2274.													
**WR227514	155.	IRR219691020	1	2	0.0000				C2275_1	C227562275014			LOUIS
A BEECHERL JR										3180050000	NBCL36	6	
**WR227536	0.	IRR219691020	1	2	0.0000				C2275_2	C227562275006			LOUIS
A BEECHERL JR										3180050000	NBCL36	6	
**WSC22751	579.	0.4897	0.7633		0								
**SO													
**WR227511	0.	IRR219691020	1	2	0.0000				C2275_3	C227562275011			LOUIS
A BEECHERL JR										3180050000	NBCL36	6	
**WSC22752	1166.	0.5228	0.8206		0								
**SO													
**WR227537	0.	IRR219691020	1	2	0.0000				C2275_4	C227562275007			LOUIS
A BEECHERL JR										3180050000	NBCL36	6	
**WSC22753	99.	0.5228	0.8206		0								
**SO													
**WR227631	90.0	IRR219541231	1	2	0.0000				C2276_1	C227662276001			LOUIS
A BEECHERL JR										3180000000	NBCL36	6	
**WSRC2276	90.0	0.5228	0.8206		0								
** WR/WS/SO/IF Records added/changed for C2276, Louis A Beecherl Jr.													
** 3 certificates combined into 1. C2274 & C2275 into C2276.													
WR227633	81.0	IRR219691020	1	2	0.0000				C2276_1	C227662276003			LOUIS
A BEECHERL JR										3180100000	NBCL36	6	
WSC22763	1217.	0.5228	0.8206		0								

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WR227632	0.0	IRR219691020	1 2 0.0000		C2276_2	C227662276002			LOUIS
A BEECHERL JR			FLAG			3180100000 NBCL36	6		
WSC22762	248.	0.4897 0.7633	0 0						
SO			BACKUP						
WR22763B	0.0	IRR219691020	1 2 0.0000		C2276_3	C227662276011			LOUIS
A BEECHERL JR			FLAG			3180100000 NBCL36	6		
WSC2276B	99.	0.5228 0.8206	0 0						
SO			BACKUP						
** Grouped 5 of 7 reservoirs associated with this right at control point 227613 for a combined									
** storage of 1166 acft.									
WR227616	155.	IRR219691020	1 2 0.0000		C2276_4	C227662276106			LOUIS
A BEECHERL JR			BULL CRK			3180050000 NBCL36	6		
WR22763A	0.	IRR219691020	1 2 0.0000		C2276_5	C227662276010			LOUIS
A BEECHERL JR			BULL CRK			3180050000 NBCL36	6		
WSC2276A	579.	0.4897 0.7633	0 0						
SO			BACKUP						
WR227613	0.	IRR219691020	1 2 0.0000		C2276_6	C227662276103			LOUIS
A BEECHERL JR			BULL CRK			3180050000 NBCL36	6		
WSC22767	1166.	0.5228 0.8206	0 0						
SO			BACKUP						
WR22763B	0.	IRR219691020	1 2 0.0000		C2276_7	C227662276011			LOUIS
A BEECHERL JR			BULL CRK			3180050000 NBCL36	6		
WSC2276B	99.	0.5228 0.8206	0 0						
SO			BACKUP						
WR227631	90.0	IRR219541231	1 2 0.0000		C2276_8	C227662276001			LOUIS
A BEECHERL JR			E BOSQUE RIVER			3180000000 NBCL36	6		
WSRC2276	90.0	0.5228 0.8206	0 0						
**									
WR227702	10.0	IRR219511231	1 2 0.0000		C2277_1	C227762277002			"THOMAS
G PETERS, ET UX"			E BOSQUE RIVER			3179500000 NBCL36	6		
WR227802	114.	IRR219661231	1 2 0.0000		C2278_1	C227862278002			WILLIAM
E. GIPSON			N BOSQUE RIVER			3178500000 NBCL36	6		
WR227901	9.0	IRR219671231	1 2 0.0000		C2279_1	C227962279001			LOUISE
P L HAMPE ET AL			N BOSQUE RIVER			3178000000 NBCL36	6		
WR228002	69.0	IRR219550731	1 2 0.0000		C2280_1	C228062280002			JOHN
DAVID BELL ET UX			N BOSQUE RIVER			3177500000 NBCL36	6		
IF228101	3585.0	IFD06519600430	1	IFC2281_1					
WR228101	7.0	IRR219600430	1 2 0.0000		C2281_1	C228162281001			RAY
J MILLER			N BOSQUE RIVER			3174500000 NBCL36	6		
**WR228101	100.	IRR219841001	1 2 0.0000		C2281_2	C228162281001			RAY
J MILLER			N BOSQUE RIVER			3174500000 NBCL36	A 6		
WR228202	253.	IRR219581231	1 2 0.0000		C2282_1	C228262282002			LESTER
M ALBERTHAL JR			N BOSQUE RIVER			3174000000 NBCL36	6		
WR228301	8.0	IRR219641231	1 2 0.0000		C2283_1	C228362283001			MARGARET
D WHITE			N BOSQUE RIVER			3171500000 NBCL36	B 6		
WR228402	25.0	IRR219391231	1 2 0.0000		C2284_1	C228462284002			L
C AND ISABELLE C HOWARD			N BOSQUE RIVER			3171000000 NBCL36	6		
WR228501	35.0	IRR219491231	1 2 0.0000		C2285_1	C228562285001			LEONARD
C RADDE			N BOSQUE RIVER			3170000000 NBCL36	6		
**IF541101	3620.0	IFD06619920327		1					IFP5411_1
A									
**WR541101	20.0	IRR219920327	1 2 0.0000		P5411_1	P541115411001			NORMAN
J NEELEY			N BOSQUE RIVER			3168260000 NBCL36	A 6		
WR228731	7.0	IRR219651231	1 2 0.0000		C2287_1	C228762287001			BILLY
G AND IRIS S HODGES			AUSTIN BR			3164500000 NBCL36	6		
WSRC2287	13.0	0.4897 0.7633	0 0						
WR228801	3.5	IRR219651231	1 2 0.0000		C2288_1	C228862288001			SHANNON
LAIRD HODGES ET AL			AUSTIN BR			3164000000 NBCL36	6		
**WR380934	230.	IRR219801103	1 2 0.0000		P3809_1	P380913809004			MRS
JESSIE M REED			SPRING CRK			3163510000 NBCL36	A 6		
WR228931	0.0	UNIFO19690922	1 2 0.0000		C2289_1	C228962289301			TEXAS
PARKS & WILDLIFE DEPT			BEE CRK			3162000000 NBCL36	6		
WSRC2289	360.	0.5228 0.8206	0 0						
WR555101	7.0	IRR219631231	1 2 0.0000		C2291_1	C229162991001			CITY
OF CLIFTON			N BOSQUE RIVER			3161000001 NBCL36	6		
WSRC2291	100.	0.5228 0.8206	0 0						
WR555101	600.	MUN219630314	1 2 0.0000		C2291_2	C229162991001			CITY
OF CLIFTON			N BOSQUE RIVER			3159000000 NBCL36	6		
WSRC2291	100.	0.5228 0.8206	0 0						
WR229002	16.1	IRR219561231	1 2 0.0000		C2290_1	C229062290002			J.
L. JENSON			N BOSQUE RIVER			3161000000 NBCL36	6		
WR229002	28.9	IRR219561231	1 2 0.0000		C2290_2	C229062290002			JAMES
CROSLLEY ET UX			N BOSQUE RIVER			3161000000 NBCL36	6		
IF555101	8172.0	IFD06719960403	1	IFP5551_1					
WR555131	0	19960403			P5551_1				
WSRP5551	2000	0.5228 0.8206							
PX 1									
WR555131	0	19960403			P5551_2	P5551			
WSRP5551	2000	0.5228 0.8206							
PX 2									
WR555131	2004.	MUN219960403	1 2 0.0000		P5551_3	5551001			CITY
OF CLIFTON			N BOSQUE RIVER			3160000000 NBCL36	6		
WSRP5551	2000.	0.5228 0.8206	0 0						
SO	714	2004. 555101							

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WR365701	56.0	IRR219650731	1	2	0.0000	C3657_1	C365763657001			LEO
C HAGGARD ET UX							2385160000	LEHM46	7	
WR365801	7.0	IRR219630331	1	2	0.0000	C3658_1	C365863658001			H
L WILLINGHAM ESTATE							2385150000	LEHM46	7	
WR365931	200.	MUN219250720	1	2	0.0000	C3659_1	C365963659001			ERW
INC ET AL							2385000000	LEHM46	7	
WSRC3659	1000.	0.5228	0.8206		0					
WR365931	200.	IRR219760329	1	2	0.0000	C3659_2	C365963659001			ERW
INC ET AL							2385000000	LEHM46	7	
WSRC3659	1000.	0.5228	0.8206		0					
WR366031	58.0	IRR219520731	1	2	0.0000	C3660_1	C366063660001			BELVE
BEAN							2381000000	LEHM46	7	
WSRC3660	120.	0.5228	0.8206		0					
WR366031	11.0	IND219610731	1	2	0.0000	C3660_2	C366063660001			BELVE
BEAN							2381000000	LEHM46	7	
WSRC3660	120.	0.5228	0.8206		0					
WR366101	187.	IRR219640630	1	2	0.0000	C3661_1	C366163661001			C
H MCCALL ET UX							2380500000	LEHM46	7	
WR366231	600.	IRR219471218	1	2	0.0000	C3662_1	C366263662001			"JIMMY
E GORE, ET AL"							2380000000	LEHM46	7	
WSRC3662	4800.	0.5228	0.8206		0					
WR366231	0.0	UNIFO19750422	1	2	0.0000	C3662_2	C366263662001			"JIMMY
E GORE, ET AL"							2380000000	LEHM46	7	
WSRC3662	4800.	0.5228	0.8206		0					
WR366331	67.0	IRR219490430	1	2	0.0000	C3663_1	C366363663001			R
E BASHAM JR							2379680000	LEHM46	7	
WSRC3663	36.0	0.5228	0.8206		0					
WR347601	51.0	IRR219520430	1	2	0.0000	C3476_1	C347663476001			GARTH
PETTIT							2379650000	LEHM46	7	
WR281603	36.0	IRR219681231	1	2	0.0000	C2816_1	C281662816003			E
W CANTRELL ET UX							2379580000	LEHM46	7	
WR281503	69.0	IRR219681231	1	2	0.0000	C2815_1	C281562815003			NANCY
PAGE ALLEN ET VIR							2379560000	LEHM46	7	
**WR281701	258.	IRR219650131	1	2	0.0000	C2817_1	C281762817001			GRACE
OLENA ADAMS							2379480000	LEHM46	7	
WR281401	83.0	IRR219531231	1	2	0.0000	C2814_1	C281462814001			ESTATE
OF WAYNE ADAMS; GRACE OLENA ADAMS							2379450000	LEHM46	7	
**WR281411	870.	IRR219531231	1	2	0.0000	C2814_2	C281462814101			ESTATE
OF WAYNE ADAMS; GRACE OLENA ADAMS							2379460000	LEHM46	7	
WR281411	170.	IRR219531231	1	2	0.0000	C2814_2	C281462814101			ESTATE
OF WAYNE ADAMS; GRACE OLENA ADAMS							2379460000	LEHM46	7	
WR281441	0.	UNIFO19531231	1	2	0.0000	C2814_3	C281462814001			ESTATE
OF WAYNE ADAMS; GRACE OLENA ADAMS							2379460000	LEHM46	7	
WSRC2814	3.0	0.5228	0.8206		0					
WR281901	32.0	IRR219500831	1	2	0.0000	C2819_1	C281962819001			J
B GUNTER							2379170000	LEHM46	7	
WR281801	18.0	IRR219500831	1	2	0.0000	C2818_1	C281862818001			P
D GUNTER							2379130000	LEHM46	7	
WR282001	46.0	IRR219661231	1	2	0.0000	C2820_1	C282062820001			WILLIAM
R & CAROLINE MILLER							2379120000	LEHM46	7	
WR282105	29.0	IRR219651231	1	2	0.0000	C2821_1	C282162821005			ERICH
& META SEIDER							2379110000	LEHM46	7	
WR282205	106.	IRR219651231	1	2	0.0000	C2822_1	C282262822005			JUANITA
MARTHA ANDERS							2379100000	LEHM46	7	
WR282301	22.0	IRR219571231	1	2	0.0000	C2823_1	C282362823001			J
E TATUM							2379020000	LEHM46	7	
WR282401	90.0	IRR219631231	1	2	0.0000	C2824_1	C282462824001			MAX
DERDEN & CHARLES S THOMAS ET UX							2379000000	LEHM46	7	
WR282504	80.0	IRR219670331	1	2	0.0000	C2825_1	C282562825004			MONTE
CARMICHAEL ET AL							2378860000	LEHM46	7	
WR282601	46.0	IRR219660731	1	2	0.0000	C2826_1	C282662826001			BURK
DENMAN							2378600000	LEHM46	7	
WR282701	6.0	IRR219571231	1	2	0.0000	C2827_1	C282762827001			J
A DENMAN							2378500000	LEHM46	7	
WR282801	24.0	IRR219571231	1	2	0.0000	C2828_1	C282862828001			J
A DENMAN							2378300000	LEHM46	7	
WR283001	87.0	IRR219540831	1	2	0.0000	C2830_1	C283062830001			RICKIE
STEPHENS							2378200000	LEHM46	7	
WR282902	56.0	IRR219600331	1	2	0.0000	C2829_1	C282962829002			MARTIN
L GEYE ET AL							2378170000	LEHM46	7	
WR283102	57.0	IRR219601231	1	2	0.0000	C2831_1	C283162831002			GARY
CROW							2378150000	LEHM46	7	
WR283301	24.0	IRR219660731	1	2	0.0000	C2833_1	C283362833001			CHARLIE
BRANDT SHOCKLEY							2378110000	LEHM46	7	
WR283203	47.0	IRR219661231	1	2	0.0000	C2832_1	C283262832003			ANN
WEAVER ADAIR							2378090000	LEHM46	7	
WR283401	43.0	IRR219611231	1	2	0.0000	C2834_1	C283462834001			WILLIE
EYVONNE MANNING RAY							2378020000	LEHM46	7	
WR283602	87.0	IRR219671231	1	2	0.0000	C2836_1	C283662836002			NELSON
SHAVE							2378000000	LEHM46	7	
WR283801	37.0	IRR219611231	1	2	0.0000	C2838_1	C283862838001			ED
A ROSS ET AL							2377900000	LEHM46	7	
WR283702	136.4	IRR219580531	1	2	0.0000	C2837_1	C283762837002			WADE
N CARAWAY							2377950000	LEHM46	7	

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** The priority of this portion of C2837 is 19580531 at diversion point "B". However, the certificate ** states that the diversion is junior to C2838. Subordination was not modeled.

WR283702	47.0	IRR219580531	1	2	0.0000	C2837_2	C283762837002		WADE
N CARAWAY							2377950000	LEHM46	7
WR283901	40.0	IRR219611231	1	2	0.0000	C2839_1	C283962839001		ED
A ROSS ET AL							2377800000	LEHM46	7
WR284031	0.0	UNIFO19781106	1	2	0.0000	C2840_1	C284062840001		ED
A ROSS ET AL							2377750000	LEHM46	7
WSRC2840	13.0	0.5228 0.8206	0	0	0				
** The priority of this right is 19540831, but in the amendment the diversion location was ** changed and this right was made junior to several intervening rights. The right was moved ** downstream in the file to portray the diversion location, but the subordination was not modeled.									
WR283002	30.0	IRR219540831	1	2	0.0000	C2830_2	C283062830002		DON
GROMATZKY							2377630000	LEHM46	7
WR283501	294.	IRR219580531	1	2	0.0000	C2835_1	C283562835001		HARTENSE
NORTH							2377500000	LEHM46	7
WR284131	26.7	IRR219650831	1	2	0.0000	C2841_1	C284162841001		WALTER
E & JOYCE SWINDLE							2377250000	LEHM46	7
WSRC2841	71.0	0.5228 0.8206	0	12	0				
WR284131	4.3	IRR219650831	1	2	0.0000	C2842_1	C284262841001		BILLY
JACK & PATSY TYUS							2377100000	LEHM46	7
WSRC2841	71.0	0.5228 0.8206	0	12	0				
**WR539031	48.0	IRR219911126	1	2	0.0000	P5390_1	P539015300001		JOE
M RILEY ET UX							2376000000	LEHM46	A 7
**WSRP5390	66.0	0.5228 0.8206	0	0	0				
WR284331	29.0	IRR219670130	1	2	0.0000	C2843_1	C284362843001		DEBORAH
VINES							2375100000	LEHM46	7
WSRC2843	59.0	0.5228 0.8206	0	0	0				
WR284331	29.0	IRR219670130	1	2	0.0000	C2844_1	C284462843001		BOBBY
JOHN FOSTER							2375000000	LEHM46	7
WSRC2843	59.0	0.5228 0.8206	0	0	0				
WR284531	27.5	IRR219680610	1	2	0.0000	C2845_1	C284562845001		BOBBY
JOHN FOSTER							2374100000	LEHM46	7
WSRC2845	55.0	0.5228 0.8206	0	0	0				
WR284531	27.5	IRR219680610	1	2	0.0000	C2846_1	C284662845001		GUY
G HALL							2374000000	LEHM46	B 7
WSRC2845	55.0	0.5228 0.8206	0	0	0				
WR284632	10.5	IRR219710614	1	2	0.0000	C2846_2	C284662846002		GUY
G HALL							2374000000	LEHM46	7
WSRC2846	15.0	0.5228 0.8206	0	0	0				
WR284731	13.0	IRR219661231	1	2	0.0000	C2847_1	C284762847001		G
G HALL							2373900000	LEHM46	7
WSRC2847	2.6	0.5228 0.8206	0	0	0				
WR284831	31.5	IRR219710405	1	2	0.0000	C2848_1	C284862848001		M
D STEPHEN							2373300000	LEHM46	7
WSRC2848	71.0	0.5228 0.8206	0	0	0				
WR284831	31.5	IRR219710405	1	2	0.0000	C2849_1	C284962848001		J
& J DAIRY & BYRON JONES ET AL							2373290000	LEHM46	7
WSRC2848	71.0	0.5228 0.8206	0	0	0				
WR285031	29.0	IRR219661231	1	2	0.0000	C2850_1	C285062850002		J
A HULSEY							2372000000	LEHM46	7
WSRC2850	24.0	0.5228 0.8206	0	0	0				
WR285001	0.0	IRR219661231	1	2	0.0000	C2850_2	C285062850001		J
A HULSEY							2372000000	LEHM46	7
SO									
WR285132	72.0	IRR219451231	1	2	0.0000	C2851_1	C285162851002		J
W BARBEE							2371000000	LEHM46	7
WSRC2851	164.	0.5228 0.8206	0	0	0				
WR285132	87.0	IRR219660801	1	2	0.0000	C2851_2	C285162851002		J
W BARBEE							2371000000	LEHM46	7
WSRC2851	164.	0.5228 0.8206	0	0	0				
WR285203	149.	IRR219641231	1	2	0.0000	C2852_1	C285262852003		DEAN
H BOTTLINGER ET UX							2366300000	LEHM46	7
WR285302	52.0	IRR219571231	1	2	0.0000	C2853_1	C285362853002		GAYLON
D & CLARA JONES							2366000000	LEHM46	7
WR285401	44.0	IRR219631231	1	2	0.0000	C2854_1	C285462854001		ERNEST
L NEWSOM							2355880000	LEHM46	7
WR285502	91.0	IRR219461231	1	2	0.0000	C2855_1	C285562855002		LARRY
WAYNE ADAMS							2355840000	LEHM46	7
WR285602	1.0	IRR219541231	1	2	0.0000	C2856_1	C285662856002		JACK
D GRAHAM							2355800000	LEHM46	7
WR285703	153.	IRR219551231	1	2	0.0000	C2857_1	C285762857003		J
L ROBERSON JR ET AL							2355780000	LEHM46	7
WR285802	18.0	IRR219671231	1	2	0.0000	C2858_1	C285862858002		J
L ROBERSON JR ET AL							2355770000	LEHM46	7
WR285903	98.0	IRR219651231	1	2	0.0000	C2859_1	C285962859003		LARRY
A DUNN ET UX							2355750000	LEHM46	7
WR286131	1.0	IRR219671231	1	2	0.0000	C2861_1	C286162861001		ACY
L WATSON							2355600000	LEHM46	7
WSRC2861	5.0	0.5228 0.8206	0	0	0				
WR286003	15.0	IRR219361231	1	2	0.0000	C2860_1	C286062860003		EARL&
ORENA KAVANAUGH & MAURINE K WATTS							2355500000	LEHM46	7
WR286203	15.0	IRR219551031	1	2	0.0000	C2862_1	C286262862003		TOM
J THOMPSON							2348700000	LEGT47	7

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ML	55.	49.	55.	53.	27.	0.	0.	0.	26.	55.	53.	55.	
WR286311	43.0		IRR219611231	1	2	0.0000			C2863_1	C286362863101			RIVERSIDE
ACQUISITIONS LLC			LEON RIVER							2348650000	LEGT47	7	
WR286402	185.		IRR219341231	1	2	0.0000			C2864_1	C286462864002			K
A SPARKS ET AL			LEON RIVER							2348251000	LEGT47	7	
WR286505	169.		IRR219341231	1	2	0.0000			C2865_1	C286562865005			RIVERSIDE
ACQUISITIONS LLC			LEON RIVER							2348250000	LEGT47	7	
WR286601	82.0		IRR219391231	1	2	0.0000			C2866_1	C286662866001			RIVERSIDE
ACQUISITIONS LLC			LEON RIVER							2347300000	LEGT47	7	
WR286701	4.0		IRR218891231	1	2	0.0000			C2867_1	C286762867001			GERALDINE
D WARREN ET AL			LEON RIVER							2345750000	LEGT47	7	
WR286803	50.0		IRR219081231	1	2	0.0000			C2868_1	C286862868003			ARVORD
M ABERNETHY			LEON RIVER							2345500000	LEGT47	7	
** Do not model this right. Only allowed to impound water purchased from BRA (Lake Proctor).													
**WR382631	0.0		UNIFO19810511	1	2	0.0000			P3826_1	P382613826301			UPPER
LEON MWD			LEON RIVER							2342100000	LEGT47	7	
**WSRP3826	45.0	0.8109	0.6681			0							
WR286901	105.		IRR219621231	1	2	0.0000			C2869_1	C286962869001			BETTY
JEAN HARRIS TOOLEY			LEON RIVER							2342050000	LEGT47	7	
WR287031	614.		MUN219230122	1	2	0.0000			C2870_1	C287062870001			CITY
OF HAMILTON			TWO MILE CRK							2340000000	LEGT47	7	
WSRC2870	614.	0.5228	0.8206			0							
WR287133	72.0		IRR219441231	1	2	0.0000			C2871_1	C287162871003			"SETH
THOMAS MOORE, SR., ET AL"			TWO MILE CRK							2339501000	LEGT47	7	
WSRC2871	15.0	0.5228	0.8206			0							
WR287133	2.5		IND219441231	1	2	0.0000			C2872_1	C287262871003			SETH
MOORE			TWO MILE CRK							2339500000	LEGT47	7	
WSRC2871	15.0	0.5228	0.8206			0							
WR287311	20.0		IRR219641231	1	2	0.0000			C2873_1	C287362873101			R
F MANNING			LEON RIVER							2336000000	LEGT47	7	
WR287531	54.0		IRR219581231	1	2	0.0000			C2875_1	C287562875002			LEONARD
T WARLICK ET UX			ALEXANDER CRK							2335200000	LEGT47	7	
WSRC2875	75.0	0.5228	0.8206			0							
WR287531	85.0		IRR219541231	1	2	0.0000			C2874_1	C287462875001			HARRIET
MEAD HAVENS			LEON RIVER							2335100000	LEGT47	7	
WSRC2875	75.0	0.5228	0.8206			0							
WR287604	15.0		IRR219631231	1	2	0.0000			C2876_1	C287662876004			CHARLES
CRAIG JR			LEON RIVER							2334800000	LEGT47	7	
WR287801	37.0		IRR219571231	1	2	0.0000			C2878_1	C287862878001			O
C & WILLIE NADINE MARSHALL			FARNASH CRK							2334600000	LEGT47	7	
WR287802	0.0		IRR219571231	1	2	0.0000			C2878_2	C287862878002			O
C & WILLIE NADINE MARSHALL			FARNASH CRK							2334600000	LEGT47	7	
SO	37.0		BACKUP										
WR287931	46.0		IRR219601231	1	2	0.0000			C2879_1	C287962879004			PAUL
F MCCLINTON			LEON RIVER							2334300000	LEGT47	7	
WSRC2879	12.0	0.5228	0.8206			0							
WR287901	93.0		IRR219601231	1	2	0.0000			C2879_2	C287962879001			PAUL
F MCCLINTON			LEON RIVER							2334300000	LEGT47	7	
WR287711	150.		IRR219541231	1	2	0.0000			C2877_1	C287762877101			THOMAS
E MURDOCK ESTATE			LEON RIVER							2333000000	LEGT47	7	
WR288001	19.0		IRR219451231	1	2	0.0000			C2880_1	C288062880001			BILLY
R FISHER ET UX			LEON RIVER							2332500000	LEGT47	7	
**IF288001	12308.		UNIFO19900817					1					IFC2880_1
A													
**WR288001	116.		IRR219900817	1	2	0.0000			C2880_2	C288062880001			BILLY
R FISHER ET UX			LEON RIVER							2332500000	LEGT47	A 7	
WR288101	124.		IRR219631231	1	2	0.0000			C2881_1	C288162881001			MOODY
E COURTNEY			LEON RIVER							2332200000	LEGT47	7	
WR288301	5.0		IRR219601231	1	2	0.0000			C2883_1	C288362883001			DAVID
C COURTNEY			LEON RIVER							2331000000	LEGT47	7	
WR288201	196.		IRR219501231	1	2	0.0000			C2882_1	C288262882001			JOHN
C COURTNEY ET UX			LEON RIVER							2330900000	LEGT47	7	
WR288411	200.		IRR219541231	1	2	0.0000			C2884_1	C288462884101			JOHN
C COURTNEY ET UX			LEON RIVER							2330750000	LEGT47	7	
WR288501	71.0		IRR219661231	1	2	0.0000			C2885_1	C288562885001			MOODY
E COURTNEY			LEON RIVER							2330500000	LEGT47	7	
WR288701	30.0		IRR219640731	1	2	0.0000			C2887_1	C288762887001			JOE
TRUETT LIGHTSEY ET AL			LEON RIVER							2318500000	LEGT47	7	
WR288801	2.0		IRR219291231	1	2	0.0000			C2888_1	C288862888001			GEORGE
T REYNOLDS III ET UX			LEON RIVER							2318000000	LEGT47	7	
WR288601	10.0		IRR219661231	1	2	0.0000			C2886_1	C288662886001			W
J ALEXANDER			LEON RIVER							2317000000	LEGT47	7	
WR289001	8.0		IRR219631231	1	2	0.0000			C2890_1	C289062890001			DON
THOMAS ROGERS			LEON RIVER							2315400000	LEGT47	7	
WR289101	57.0		IRR219640831	1	2	0.0000			C2891_1	C289162891001			W
F MORELAND BY PASS TRUST			LEON RIVER							2311300000	LEGT47	7	
WR289201	32.0		IRR219571231	1	2	0.0000			C2892_1	C289262892001			W
N & MARY JANE WHISENHUNT			LEON RIVER							2310500000	LEGT47	7	
WR289301	10.0		IRR219180801	1	2	0.0000			C2893_1	C289362893001			SEABORN
L ASHBY			LEON RIVER							2310000000	LEGT47	7	
WR289401	2.0		IRR219651231	1	2	0.0000			C2894_1	C289462894001			SAN
PABLO CORPORATION			LEON RIVER							2309700000	LEGT47	7	
WR289501	29.0		IRR219591231	1	2	0.0000			C2895_1	C289562895001			WILLIAM
TRAVIS LAXSON			PLUM CRK							2305000000	LEGT47	7	

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WR289503	0.0	IRR219591231	1	2	0.0000	C2895_2	C289562895003		WILLIAM
TRAVIS LAXSON							2305000000	LEGT47	7
SO	29.0								
WR289601	124.	IRR219651231	1	2	0.0000	C2896_1	C289662896001		MARGARET
CALLAWAY							2302000000	LEGT47	7
WR289701	8.0	IRR219671231	1	2	0.0000	C2897_1	C289762897001		R
H MELTON							2300800000	LEGT47	7
WR289801	23.0	IRR219251231	1	2	0.0000	C2898_1	C289862898001		DONALD
J MACKIE ET UX& GLENNIS G EGGER							2275000000	LEGT47	7
** Certificate can only divert water that is discharged from groundwater sources. No wastewater									
** plant discharges greater than .9 MGD are located in the vicinity upstream of the diversion									
** locations of this right. Model this 70 acft diversion with a zero acft diversion.									
WR289901	0.0	IRR219710125	1	2	0.0000	C2899_1	C289962899001		TEXAS
DEPT OF CRIMINAL JUSTICE							2257650000	LEGT47	7
WR290001	14.0	IRR219641231	1	2	0.0000	C2900_1	C290062900001		CHARLES
C POWELL							2257600000	LEGT47	7
WR290101	100.	IRR219651231	1	2	0.0000	C2901_1	C290162901001		JACK
& MINNIE MORSE							2256000000	LEGT47	7
WR290201	18.0	IRR219571231	1	2	0.0000	C2902_1	C290262902001		QUENTIN
G MCCORKLE ET UX							2230500000	LEBE49	7
WR290311	530.	IRR219131108	1	2	0.0000	C2903_1	C290362903101		GLENROCK
FARMS							2230000000	LEBE49	7
WR290401	40.0	IRR219391231	1	2	0.0000	C2904_1	C290462904001		STERLIN
J BARNARD							2222200000	LEBE49	7
WR290501	14.0	IRR219671231	1	2	0.0000	C2905_1	C290562905001		DAN
G DAVIDSON ESTATE							2219000000	LEBE49	7
WR290601	36.0	IRR219250806	1	2	0.0000	C2906_1	C290662906001		THELMA
R CARTER							2200000000	LEBE49	7
WR290801	22.0	IRR219671231	1	2	0.0000	C2908_1	C290862908001		DAN
G DAVIDSON							2198500000	LEBE49	7
WR290701	237.	IRR219581231	1	2	0.0000	C2907_1	C290762907001		LEO
LUEDTKE ET UX							2195800000	LEBE49	7
WR290701	150.	IRR219581231	1	2	0.0000	C2907_2	C290762907001		DENNIS
CHARLES LUEDTKE ET AL							2195800000	LEBE49	7
WR290902	26.0	IRR219650722	1	2	0.0000	C2909_1	C290962909002		RUDOLF
DROSCH							2195700000	LEBE49	7
WR291001	77.0	IRR219631231	1	2	0.0000	C2910_1	C291062910001		CARL
DROSCH							2195500000	LEBE49	7
WR291101	74.0	IRR219630430	1	2	0.0000	C2911_1	C291162911001		GLENN
DIPPEL ET AL& JOHN SHAUD ET UX							2195000000	LEBE49	7
WR281301	153.	IRR219650722	1	2	0.0000	C2813_1	C281362813001		RUDOLPH
CARL DROSCH JR							2194000000	LEBE49	7
WR291401	18.0	IRR219281231	1	2	0.0000	C2914_1	C291462914001		PAT
& MABEL RUTH GRIMES							2191300000	LEBE49	7
WR291511	38.0	IRR219590331	1	2	0.0000	C2915_1	C291562915101		ROBERT
L MOORE							2186000000	LEBE49	7
WR291611	53.0	IRR219590531	1	2	0.0000	C2916_1	C291662916101		LEE
ROY SCHWARTZ							2179900000	COPI48	7
WR291731	25.0	IRR219630331	1	2	0.0000	C2917_1	C291762917001		WILFORD
& RUTH WITZSCHE							2179880000	COPI48	7
WSRC2917	8.0	0.5228	0.8206	0	0				
WR291831	20.0	IRR219490430	1	2	0.0000	C2918_1	C291862918101		PAMELA
ANN MARWITZ POPE ET AL							2179870000	COPI48	7
WSRC2918	2.0	0.5228	0.8206	0	0				
WR291931	27.0	IRR219580430	1	2	0.0000	C2919_1	C291962919002		FRITZ
HOPPER							2179850000	COPI48	7
WSRC2919	7.5	0.5228	0.8206	0	0				
WR292031	12.0	IRR219650531	1	2	0.0000	C2920_1	C292062920002		DOUG
HOPPER							2179800000	COPI48	7
WSRC2920	6.0	0.5228	0.8206	0	0				
WR292103	28.0	IRR219670331	1	2	0.0000	C2921_1	C292162921003		W
J & ANITA FAYE HOPPER							2179750000	COPI48	7
WR292202	9.0	IRR219660630	1	2	0.0000	C2922_1	C292262922002		LEE
R HOPPER							2179700000	COPI48	7
WR292301	12.5	IRR219131231	1	2	0.0000	C2923_1	C292362923001		HENRY
MARWITZ ET AL							2179600000	COPI48	7
WR292301	32.5	IRR219131231	1	2	0.0000	C2923_2	C292362923001		BILLY
H ROBERTS ET UX							2179600000	COPI48	7
WR292431	59.0	IRR219660531	1	2	0.0000	C2924_1	C292462924002		JERRY
W & BONNIE JEAN HOPPER							2179500000	COPI48	7
WSRC2924	3.0	0.5228	0.8206	0	0				
WR292611	13.0	IRR219380531	1	2	0.0000	C2926_1	C292662926101		WILLIAM
JACKSON WISDOM							2179430000	COPI48	7
WR292711	9.0	IRR219500630	1	2	0.0000	C2927_1	C292762927101		ELVIN
L GENTRY ET UX							2179270000	COPI48	7
WR292903	13.0	IRR219500731	1	2	0.0000	C2928_1	C292862928001		GARY
L LUNDBERG ET UX							2179150000	COPI48	7
WR292903	4.0	IRR219700331	1	2	0.0000	C2929_1	C292962929003		REGINALD
& NONA FA WIEDEBUSCH							2179100000	COPI48	7
WR293002	31.0	IRR219620930	1	2	0.0000	C2930_1	C293062930002		CYRUS
B CATHEY ESTATE							2178920000	COPI48	7
WR293103	52.0	IRR219651231	1	2	0.0000	C2931_1	C293162931003		RONNAL
S BEASLEY ET UX							2178900000	COPI48	7

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**PX      1
WR516031 200.    MUN219631216  1  2  0.0000      C5160_15  C516065160001      BRAZOS
RIVER AUTHORITY      LEON RIVER      2120000000  LEBE49      7
WSBRABEL 402151.      0      3      -1
**PX      1
WR516031 2365.   IND219631216  1  2  0.0000      C5160_16  C516065160001      BRAZOS
RIVER AUTHORITY      LEON RIVER      2120000000  LEBE49      7
WSBRABEL 402151.      0      3      -1
**PX      1
WR516031 1070.   IRR219631216  1  2  0.0000      C5160_17  C516065160001      BRAZOS
RIVER AUTHORITY      LEON RIVER      2120000000  LEBE49      7
WSBRABEL 402151.      0      3      -1
**PX      1
WR516031  0.0    MIN219631216  1  2  0.0000      C5160_18  C516065160001      BRAZOS
RIVER AUTHORITY      LEON RIVER      2120000000  LEBE49      7
WSBRABEL 402151.      0      3      -1
**PX      1
WR516031  0.0    UNIFO19631216 1  2  0.0000      C5160_19  C516065160001      BRAZOS
RIVER AUTHORITY      LEON RIVER      2120000000  LEBE49      7
WSBRABEL 402151.      0      3      -1
**
WR516031      99999999  1  2  0.0000      bel_evap_1  C293662936001
WSBELTON 12000.      0      3
PX 1
WR516031      99999999  1  2  0.0000      bel_evap_1  C293662936001
WSBELTON 12000.      0      3
PX 2
WR516031      99999999  1  2  0.0000      bel_evap_2  C516065160001
WSBRABEL 402151.      0      3      -1
PX 1
WR516031      99999999  1  2  0.0000      bel_evap_2  C516065160001
WSBRABEL 402151.      0      3      -1
PX 2
** SysOp Change:
** Calculate the total depletion for water right 5160.
**WRSR5160      19631216      Compute Dep 5160  SYSTEM
**TO 6 1.0 ADD C5160_1 CONT
**TO 6 1.0 ADD C5160_2 CONT
**TO 6 1.0 ADD C5160_3 CONT
**TO 6 1.0 ADD C5160_4 CONT
**TO 6 1.0 ADD C5160_5 CONT
**TO 6 1.0 ADD C5160_6 CONT
**TO 6 1.0 ADD C5160_7 CONT
**TO 6 1.0 ADD C5160_8 CONT
**TO 6 1.0 ADD C5160_9 CONT
**TO 6 1.0 ADD C5160_10 CONT
**TO 6 1.0 ADD C5160_11 CONT
**TO 6 1.0 ADD C5160_12 CONT
**TO 6 1.0 ADD C5160_13 CONT
**TO 6 1.0 ADD C5160_14 CONT
**TO 6 1.0 ADD C5160_15 CONT
**TO 6 1.0 ADD C5160_16 CONT
**TO 6 1.0 ADD C5160_17 CONT
**TO 6 1.0 ADD C5160_18 CONT
**TO 6 1.0 ADD C5160_19 CONT
**PX 4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
**WRSR5160 9999999 19631216      Depletion 5160  SYSTEM
**PX 5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WR516031 19631216 1.0000 5160DP      Lumped Dep 5160  SYSTEM 1simdep
**TO 11 1.0 ADD Depletion 5160
**PX 2
** Special code to output storage from first simulation
**WRBE_dum 99999999      1simBEstor look
**TO 4 SET BELTON
**PX 4
**WRBE_dum 99999999 XMONTH99999999      2simBEstor look
**PX 5
**WRBE_dum 99999999      1simBRABEstor look
**TO 4 SET BRABEL
**PX 4
**WRBE_dum 99999999 XMONTH99999999      2simBRABEstor look
**PX 5
** - End modeling Lake Belton.
**
** end FNI change

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TO	6	-1	ADD		C2991_1				
WS R2991	4.02	0.4897	0.7633						
WR299231	68.0	IRR319540314	1 2 0.0000		C2992_1	C299262992001			O
O & MARY FLORENCE SMITH			ROCKY CRK			1644253000 LAYO51	8		
WSRC2992	8.0	0.5228	0.8206	0					
WR299411	6.0	IRR319251231	1 2 0.0000		C2994_1	C299462994101			THOMAS
M & BETTY L R SPENCER			ROCKY CRK			1644251000 LAYO51	8		
WR299332	44.0	IRR319251231	1 2 0.0000		C2993_1	C299362993002			HANSFORD
B SMITH ET AL			ROCKY CRK			1644250000 LAYO51	8		
WSRC2993	25.0	0.5228	0.8206	0					
WR299501	120.	IRR319660307	1 2 0.0000		C2995_1	C299562995001			"MORSE
RANCH, A PARTNERSHIP"			LAMPASAS RIVER			1644000000 LAYO51	8		
** Taylor application 12-2996, 10/16/03 - jd									
** 56 af are now diverted @ 299602 (u/s) and include a streamflow restriction for use									
**WR299601	156.	IRR319660401	1 2 0.0000		C2996_1	C299662996001			DUDLEY
BLACK			LAMPASAS RIVER			1641700000 LAYO51	8		
WR559411	100.	IRR319660401	1 2 0.0000		C2996_1	C299662996001			DUDLEY
BLACK			LAMPASAS RIVER			1641700000 LAYO51	8		
**									
IFLAKE50	16020	TAYLIF19660401	1		IF2996_1				
WR299602	56	TAYLOR19660401	1		C2996_2	C299662996002			
IFLAKE50	0	TAYLIF19660401	1		IF2996_2				
IFLAKE50	16020	TAYLIF20030923	1		IF2996_3				
**									
**IFLAKE50	13381.	IFD08219970701	1						IFP5594_1
A									
**WR559411	130.	IRR319970701	1 2 0.0000		P5594_1	P559415594101			BRADLEY
B WARE			LAMPASAS RIVER			1641680000 LAYO51	A 8		
WR299711	64.0	IRR319630930	1 2 0.0000		C2997_1	C299762997101			WINTHROP
ALDRICH ET UX			LAMPASAS RIVER			1641620000 LAYO51	8		
WR299901	3.0	IRR319470531	1 2 0.0000		C2999_1	C299962999001			LAVALLA
R BLUM			LAMPASAS RIVER			1641530000 LAYO51	8		
WR299802	157.	IRR319251231	1 2 0.0000		C2998_1	C299862998002			GRA'DELLE
DUNCAN			LAMPASAS RIVER			1641525000 LAYO51	8		
WR300001	105.	IRR319570430	1 2 0.0000		C3000_1	C300063000001			JAMES
L SHEPHERD			LAMPASAS RIVER			1641000000 LAYO51	8		
WR300101	12.0	IRR319671231	1 2 0.0000		C3001_1	C300163001001			EDD
MELTON			LAMPASAS RIVER			1640010000 LAYO51	8		
WR300201	150.	IRR319611231	1 2 0.0000		C3002_1	C300263002001			GENE
& NELDA FAY RAY			LAMPASAS RIVER			1640000000 LAYO51	8		
WR300301	32.0	IRR319670630	1 2 0.0000		C3003_1	C300363003001			BENNIE
M GIBBS			LAMPASAS RIVER			1639000000 LABE52	8		
**									
** Stillhouse Hollow									
**									
** Right is authorized for municipal, industrial, mining, and irrigation, but since the uses were not									
** broken out, all diversions are modeled as municipal.									
**									
** FNI change - add System Operation									
WR516131	6973.	MUN319631216	1 4 RBLSH1 102051		C5161_1	C516165161001			BRAZOS
RIVER AUTHORITY			LAMPASAS RIVER			1630000000 LABE52	8		
WSSTLHSE 223336.			0						
**PX	1								
WR516131	2092.	MUN319631216	1 2 0.0000		C5161_2	C516165161001			BRAZOS
RIVER AUTHORITY			LAMPASAS RIVER			1630000000 LABE52	8		
WSSTLHSE 223336.			0						
**PX	1								
WR516131	4880.	MUN319631216	1 2 0.0000		C5161_3	C516165161001			BRAZOS
RIVER AUTHORITY			LAMPASAS RIVER			1630000000 LABE52	8		
WSSTLHSE 223336.			0						
**PX	1								
WR516131	53823.	MUN319631216	1 2 0.0000		C5161_4	C516165161001			BRAZOS
RIVER AUTHORITY			LAMPASAS RIVER			1630000000 LABE52	8		
WSSTLHSE 223336.			0						
**PX	1								
WR516131	0.	IND319631216	1 2 0.0000		C5161_5	C516165161001			BRAZOS
RIVER AUTHORITY			LAMPASAS RIVER			1630000000 LABE52	8		
WSSTLHSE 223336.			0						
**PX	1								
WR516131	0.	MIN319631216	1 2 0.0000		C5161_6	C516165161001			BRAZOS
RIVER AUTHORITY			LAMPASAS RIVER			1630000000 LABE52	8		
WSSTLHSE 223336.			0						
**PX	1								
WR516131	0.	IRR319631216	1 2 0.0000		C5161_7	C516165161001			BRAZOS
RIVER AUTHORITY			LAMPASAS RIVER			1630000000 LABE52	8		
WSSTLHSE 223336.			0						
**PX	1								
** SysOp Change:									
** Calculate the total depletion for water right 5161.									
**WRSR5161		19631216			Compute Dep	5161	SYSTEM		
**TO	6	1.0	ADD		C5161_1	CONT			
**TO	6	1.0	ADD		C5161_2	CONT			
**TO	6	1.0	ADD		C5161_3	CONT			
**TO	6	1.0	ADD		C5161_4	CONT			

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**TO      6      1.0      ADD      C5161_5      CONT
**TO      6      1.0      ADD      C5161_6      CONT
**TO      6      1.0      ADD      C5161_7
**PX      4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
**WRSR5161 9999999      19631216      Depletion 5161      SYSTEM
**PX      5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WR516131      19631216      1.0000      5161DP      Lumped Dep 5161      SYSTEM 1simdep
**TO      11      1.0      ADD      Depletion 5161
**PX      2
** Special code to output storage from first simulation
**WRSH_dum      19631216      1simSHstor      look
**TO      4      SET      STLHSE
**PX      4
**WRSH_dum      9999999      XMONTH19631216      2simSHstor      look
**PX      5
** - End modeling Lake Stillhouse Hollow
** end FNI change
** FNI change - Hale clause - 1 in cc 34
IFLABE52      4344.      IFD08319840508      1      1      IFP4130_1
WR4130P1      0.0      UNIFO19840508      1      2      0.0000      P4130_1      P413014130001      UNITED
STATES ARMY CORP ENG      OLD CHANNEL LAMPASAS RIVER      1629700000      CFHA14      8
WSRP4130      5.0      0.5228      0.8206      0      0
WR4130P1      0      UNIFO19840508      P4130_2      P413014130002
WSRP4130      5      0.5228      0.8206
SO      5      516131      BACKUP
WR300401      50.0      IRR319670802      1      2      0.0000      C3004_1      C300463004001      ESTATE
OF DR JAMIE W BARTON      LAMPASAS RIVER      1629500000      LABE52      8
WR300501      5.0      IRR319650630      1      2      0.0000      C3005_1      C300563005001      VAIL
E & BETTY LOGSDON      LAMPASAS RIVER      1629100000      LABE52      8
WR300611      48.0      IRR319670430      1      2      0.0000      C3006_1      C300663006101      KARL
B WAGNER ESTATE      LAMPASAS RIVER      1629000000      LABE52      8
WR300801      61.0      IRR319500630      1      2      0.0000      C3008_1      C300863008001      ELEANOR
B TUTTLE      LAMPASAS RIVER      1628200000      LRLR53      8
WR300705      48.0      IRR319471231      1      2      0.0000      C3007_1      C300763007005      RIVER
FARM LTD      LAMPASAS RIVER      1628100000      LRLR53      8
** FNI change - Hale clause - 1 in cc 34
IFLABE52      4344.      IFD08319820920      1      1      IFC3007_1
WR300705      192.      IRR319820920      1      2      0.0000      C3007_2      C300763007005      RIVER
FARM LTD      LAMPASAS RIVER      1628100000      LRLR53      8
WR300901      81.0      IRR319621231      1      2      0.0000      C3009_1      C300963009001      JOSEPH
LEWIS ET UX      LAMPASAS RIVER      1628000000      LRLR53      8
** HALE CLAUSE
IFLABE52      4344.      IFD08319860718      1      1      IFP5076_1
WR507601      25.0      IRR319860718      1      2      0.0000      P5076_1      P507615076001      HAYNES
CORPORATION      LAMPASAS RIVER      1627790000      LRLR53      8
WR301001      10.0      IRR319550630      1      2      0.0000      C3010_1      C301063010001      CLIFFORD
D JONES      LAMPASAS RIVER      1627500000      LRLR53      8
** HALE CLAUSE
IFLABE52      4344.      IFD08319820920      1      1      IFP4000_1
WRP40001      40.0      IRR319820920      1      2      0.0000      P4000_1      P400014000001      THOMAS
E LOVELACE ET AL      LAMPASAS RIVER      1626960000      BRDE29      8
** HALE CLAUSE
IFLABE52      4344.      IFD08319820920      1      1      IFP4003_1
WRP40031      29.7      IRR319820920      1      2      0.0000      P4003_1      P400314003001      MIKE
& ITHA LYNNE BERRY      LAMPASAS RIVER      1626920000      BRDE29      8
** HALE CLAUSE
IFLABE52      4344.      IFD08319820920      1      1      IFP4002_1
WRP40021      32.9      IRR319820920      1      2      0.0000      P4002_1      P400214002001      JOSEPH
B MORROW ET UX      LAMPASAS RIVER      1626900000      BRDE29      8
WR400201      7.1      IRR319820920      1      2      0.0000      P4002_2      P400214002001      TIPTON
MALONE MURRELL      LAMPASAS RIVER      1626900000      BRDE29      8
WR301101      16.6      IRR319621231      1      2      0.0000      C3011_1      C301163011001      W
J RAY ET UX      LAMPASAS RIVER      1625500000      LRLR53      8
WR301101      47.0      IRR319621231      1      2      0.0000      C3011_2      C301163011001      LAWANA
ELLIS ET VIR      LAMPASAS RIVER      1625500000      LRLR53      8
WR301101      0.5      IRR319621231      1      2      0.0000      C3011_3      C301163011001      MIKEL
DUPES ET AL      LAMPASAS RIVER      1625500000      LRLR53      8
WR301231      0.0      UNIFO19760802      1      2      0.0000      C3012_1      C301263012001      STAGECOACH
INN PROPERTIES INC      SALADO CRK      1623948000      LRLR53      8
WSRC3012      9.0      0.5228      0.8206      0      0
WR301331      168.      IRR319650415      1      2      0.0000      C3013_1      C301363013001      MILL
CREEK GOLF & COUNTRY CLUB      SALADO CRK      1623930000      LRLR53      8
WSRC3013      10.0      0.5228      0.8206      0      0
**IF301301      13033.      IFD08419990514      1
A
    
```

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**WR301301	168.	IRR319990514	1	2	0.0000			C3013_2	C301363013001			MILL
CREEK GOLF & COUNTRY CLUB						SALADO CRK			1623920000	LRLR53	A	8
WR301431	63.0	IRR318831231	1	2	0.0000			C3014_1	C301463014001			EDWIN
A BAILEY ESTATE						SALADO CRK			1623900000	LRLR53		8
WSRC3014	6.0	0.5228	0.8206		0	0						
WR301501	36.0	IRR319631231	1	2	0.0000			C3015_1	C301563015001			PAUL
T BOSTON						SALADO CRK			1623250000	LRLR53		8
IFP37631	4530.	IFD08A19800527				1		IFP3763_1				
WR376331	361.	IRR319800527	1	2	0.0000			P3763_1	P376313763001			PAUL
J MEYER ET AL						SALADO CRK			1623110000	LRLR53		8
WSRP3763	20.0	0.5228	0.8206		0	0						
** Changed priority date of 240 acft diversion to January 17, 1984												
WR409511	240.	IRR319840117	1	2	0.0000			P4095_1	P409514095101			SIDNEY
KACIR						LITTLE RIVER			1619710000	LRCA58		8
** HALE CLAUSE												
IFLRLR53	125887.	IFD08519990816	1			1		IFP4095_1				
WR409511	308.	IRR319990816	1	2	0.0000			P4095_2	P409514095101			SIDNEY
KACIR						LITTLE RIVER			1619710000	LRCA58		8
** HALE CLAUSE												
IFLRLR53	12377.	IFD08B19800527	1			1		IFP3762_1				
WR376201	100.	IRR319800527	1	2	0.0000			P3762_1	P376213762001			ELLIS
G & JEAN M MARSHALL						LITTLE RIVER			1619600000	LRCA58		8
WR372501	0.0	UNIFO19770124	1	2	0.0000			C3725_1	C372563725001			OLIN
E TEAGUE VETERANS CENTER						KNOB CRK			1618450000	LRCA58		8
WSRC3725	96.0	0.5228	0.8206		0	0						
WR372631	5.0	IRR319600731	1	2	0.0000			C3726_1	C372663726001			MOLLIE
H BROOKS ET AL						N DARRS CRK			1617000000	LRCA58		8
WSRC3726	12.0	0.5228	0.8206		0	0						
WR372631	5.0	IRR319691106	1	2	0.0000			C3726_2	C372663726001			MOLLIE
H BROOKS ET AL						N DARRS CRK			1617000000	LRCA58		8
WSRC3726	12.0	0.5228	0.8206		0	0						
** HALE CLAUSE												
IFLRCA58	25103.	IFD08619840228	1			1		IFP4109_1				
WR410911	400.	IRR319840228	1	2	0.0000			P4109_1	P410914109101			BETTY
KACIR WHEELER						LITTLE RIVER			1615560000	LRCA58		8
** HALE CLAUSE												
**IFLRLR53	22444.	IFD08719820920				1		IFP4015_1				
**WR401503	700.	IRR319820920	1	2	0.0000			P4015_1	P401514015003			CALVIN
KRAEMER ET AL						LITTLE RIVER			1614810000	LRCA58		8
** HALE CLAUSE												
** OWNERSHIP CHANGES FROM ONE TO TWO												
IFLRLR53	22444.	IFD08719820920	1			1		IFP4015_1				
WR401503	350.	IRR319820920	1	2	0.0000			P4015_1	P401514015003			CALVIN
KRAEMER ET AL						LITTLE RIVER			1614810000	LRCA58		8
WR401505	350.	IRR319820920	1	2	0.0000			P4015_2	P401514015004			CHAMBERLIN
FAMILY TRUST						LITTLE RIVER			1614810000	LRCA58		8
** HALE CLAUSE												
** Expired												
**IF550001	200037.	IFD08819940808						1				IFP5500_1
A												
**WR550001	659.	IRR319940808	1	2	0.0000			P5500_1	P550015500001			CALVIN
KRAEMER						LITTLE RIVER			1614790000	LRCA58	A	8
WR372831	0.0	UNIFO19780605	1	2	0.0000			C3728_1	C372863728301			"PATRICK
J ATKINSON & LARRY J HOWELL						MILL CRK			1610496000	LRCA58		8
WSRC3728	246.	0.5228	0.8206		0	0						
WR372731	72.0	IRR319771011	1	2	0.0000			C3727_1	C372763727001			"B
R LAUTERBORN, HERMAN NEUSCH"						SERVER BR			1610495000	LRCA58		8
WSRC3727	173.	0.5228	0.8206		0	0						
WR372741	0.	IND319771011	1	2	0.0000			C3727_2	C372763727001			"DOYR
CORNELISON ET UX, ROBERT OGDEN ET UX"						SERVER BR			1610495000	LRCA58		8
WSC37271	28.	0.2710	0.8958		0	0						
SO						372731						
WR372931	100.	IND319760927	1	2	0.0000			C3729_1	C372963729001			JOE
GLASER						INDIAN HOLLOW			1609530000	LRCA58		8
WSRC3729	247.	0.4897	0.7633		0	0						
** HALE CLAUSE												
IFLRCA58	25101.	IFD08619850709	1			1		IFP4279_1				
WR427902	600.	IRR319850709	1	2	0.0000			P4279_1	P427914279002			HILLIARD
RANCHES INC						LTL RIVER			1609500000	LRCA58		8
WR427931	150.	IRR319850709	1	2	0.0000			P4279_2	P427914279003			WARRENS
TURF NURSERY INC						LTL RIVER			1609500000	LRCA58		8
WSRP4279	38.0	0.5228	0.8206		0	0						
** HALE CLAUSE												
**IFLRCA58	39819.	UNIFO19910812						1				IFP4279_2
A												
**WR427901	300.	IRR319910812	1	2	0.0000			P4279_3	P427914279001			HILLIARD
RANCHES INC						LTL RIVER			1609500000	LRCA58	A	8
WR373031	21.0	IRR319670301	1	2	0.0000			C3730_1	C373063730001			JOE
P (JR) & HENRIETTA CALLAN						BIG CRK			1606000000	NGGE54		8
WSRC3730	0.2	0.5228	0.8206		0	0						
WR373101	29.0	IRR319621231	1	2	0.0000			C3731_1	C373163731001			REUBEN
FLOYD CLARK						W FRK SAN GABRIEL RIVER			1605950000	NGGE54		8
WR373231	0.0	UNIFO19760517	1	2	0.0000			C3732_1	C373263732301			SAN
GABRIEL RIVER RANCH INC						LACKEY CRK			1605900000	NGGE54		8

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WSRC3732    26.0  0.5228  0.8206    0    0
** Right is authorized for municipal, industrial, mining, and irrigation, but since the uses were not
** broken out, all diversions are modeled as municipal.
** FNI change - add System Operation
**
WR516231    4764.    MUN319680212  1  4  R51621  104893    C5162_1  C516265162001    BRAZOS
RIVER AUTHORITY    N FRK SAN GABRIEL RIVER    1601000000  NGGE54    8
WSGRGTWN  36934.    0
**PX  1
WR516231    2041.    MUN319680212  1  4  R51621  104892    C5162_2  C516265162001    BRAZOS
RIVER AUTHORITY    N FRK SAN GABRIEL RIVER    1601000000  NGGE54    8
WSGRGTWN  36934.    0
**PX  1
WR516231    3198.    MUN319680212  1  4  R51621  102641    C5162_3  C516265162001    BRAZOS
RIVER AUTHORITY    N FRK SAN GABRIEL RIVER    1601000000  NGGE54    8
WSGRGTWN  36934.    0
**PX  1
WR516231    3607.    MUN319680212  1  4  R51621  102642    C5162_4  C516265162001    BRAZOS
RIVER AUTHORITY    N FRK SAN GABRIEL RIVER    1601000000  NGGE54    8
WSGRGTWN  36934.    0
**PX  1
WR516231    0.    IND319680212  1  2  0.0000    C5162_5  C516265162001    BRAZOS
RIVER AUTHORITY    N FRK SAN GABRIEL RIVER    1601000000  NGGE54    8
WSGRGTWN  36934.    0
**PX  1
WR516231    0.    MIN319680212  1  2  0.0000    C5162_6  C516265162001    BRAZOS
RIVER AUTHORITY    N FRK SAN GABRIEL RIVER    1601000000  NGGE54    8
WSGRGTWN  36934.    0
**PX  1
WR516231    0.    IRR319680212  1  2  0.0000    C5162_7  C516265162001    BRAZOS
RIVER AUTHORITY    N FRK SAN GABRIEL RIVER    1601000000  NGGE54    8
WSGRGTWN  36934.    0
**PX  1
** SysOp Change:
** Calculate the total depletion for water right 5162.
**WRSR5162    19680212    Compute Dep 5162  SYSTEM
**TO  6    1.0    ADD    C5162_1  CONT
**TO  6    1.0    ADD    C5162_2  CONT
**TO  6    1.0    ADD    C5162_3  CONT
**TO  6    1.0    ADD    C5162_4  CONT
**TO  6    1.0    ADD    C5162_5  CONT
**TO  6    1.0    ADD    C5162_6  CONT
**TO  6    1.0    ADD    C5162_7
**PX  4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to the regulated flow. In the first pass, the regulated flow is the depletion from the reservoir. In the second pass,
** the depletion is limited to the first pass (base run)
**WRSR5162  9999999    19680212    Depletion 5162  SYSTEM
**PX  5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WR516231    19680212    1.0000  5162DP    Lumped Dep 5162  SYSTEM lsimdep
**TO  11    1.0    ADD    Depletion 5162
**PX  2
** Special code to output storage from first simulation
**WRGT_dum    19680212    1simGtstor    look
**TO  4    SET    GRGTWN
**PX  4
**WRGT_dum  9999999  XMONTH19680212    2simGtstor    look
**PX  5
** - End modeling Lake Georgetown.
** end FNI change
**
** Combined two reservoirs into one.
WR373331    0.0  UNIFO19700917  1  2  0.0000    C3733_1  C373363733301    GEORGETOWN
BUILDERS INC    N FRK SAN GABRIEL RIVER    1599000000  GAGE56    8
WSRC3733    40.0  0.5228  0.8206    0    0
WR373331    0.0  UNIFO19761122  1  2  0.0000    C3733_2  C373363733301    GEORGETOWN
BUILDERS INC    N FRK SAN GABRIEL RIVER    1599000000  GAGE56    8
WSRC3733    44.0  0.5228  0.8206    0    0
**IF373403    553.    IFD08C19820503    1    IFP3913_1
A
**WR391331    70.0  MIN319820503  1  2  1.0000    P3913_1  P391313913001    CAPITOL
AGGREGATES LTD    M FRK SAN GABRIEL RIVER    1598500000  GAGE56    A  8
**WSRP3913    70.0  0.5228  0.8206    0    0
**WR391331    48.0  MIN319981015  1  2  1.0000    P3913_2  P391313913001    CAPITOL
AGGREGATES LTD    M FRK SAN GABRIEL RIVER    1598500000  GAGE56    A  8
**WSRP3913    70.0  0.5228  0.8206    0    0
WR373431    45.0  IRR319411231  1  2  0.0000    C3734_1  C373463734001    GEORGETOWN
COUNTRY CLUB    M FRK SAN GABRIEL RIVER    1598000000  GAGE56    8
    
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WSRC3734	10.0	0.5228	0.8206	0	0					
WR373501	26.0	IRR319630630		1	2	0.0000	C3735_1	C373563735001		HENRY
GRADY RYLANDER				S	FRK	SAN GABRIEL RIVER		1580000000	SGGE55	8
WR373601	1.0	IRR319610630		1	2	0.0000	C3736_1	C373663736001		HENRY
GRADY RYLANDER				S	FRK	SAN GABRIEL RIVER		1575000000	SGGE55	8
**WR373701	300.	IND319700504		1	2	1.0000	C3737_1	C373763737001		ALAMO
CONCRETE PRODUCTS LTD				S	FRK	SAN GABRIEL RIVER		1557000000	SGGE55	A 8
WR373831	0.0	UNIFO19761206		1	2	0.0000	C3738_1	C373863738301		CITY
OF GEORGETOWN				SAN	GABRIEL	RIVER		1555000000	GAGE56	8
WSRC3738	11.0	0.5228	0.8206	0	0					
WR373901	240.	MIN319640301		1	1	0.9000	C3739_1	C373963739001		GENE
H BINGHAM ET AL				SAN	GABRIEL	RIVER		1545100000	GALA57	8
WR374001	20.0	IRR319630501		1	2	0.0000	C3740_1	C374063740001		WENDELL
F. GIBSON				SAN	GABRIEL	RIVER		1544250000	GALA57	8
** WSA - Special condition requires an upstream contract with BRA to impound and divert.										
** Because priority is junior to Lake Georgetown, this right will have no effect on Lake Georgetown.										
WR553341	0.0	UNIFO19950711		1	2	0.0000	P5533_1	P553315533001		DEL WEBB
TEXAS L P				BERRY	CRK			1478500000	GALA57	8
WSP55331	2.5	0.2710	0.8958	0	0					
WR553331	26.1	IRR319950711		1	2	0.0000	P5533_2	P553315533001		DEL
WEBB TEXAS L P				BERRY	CRK			1478500000	GALA57	8
WSRP5533	42.9	0.5228	0.8206	0	0					
SO		2.5		BACKUP						
WR374301	32.0	IRR319540331		1	2	0.0000	C3743_1	C374363743001		JL
ENTERPRISES LLP				BERRY	CRK			1478402000	GALA57	8
WR374201	16.9	IRR319640501		1	2	0.0000	C3742_1	C374263742001		MAXINE
HARRIS				BERRY	CRK			1478401000	GALA57	8
WR374201	7.2	IRR319640501		1	2	0.0000	C3742_2	C374263742001		R
SCOTT POPE ET UX				BERRY	CRK			1478401000	GALA57	8
WR374101	10.9	IRR319640501		1	2	0.0000	C3741_1	C374163741001		LINDA
ANN SMITH				SAN	GABRIEL	RIVER		1478400000	GALA57	8
WR374101	17.1	IRR319640501		1	2	0.0000	C3741_2	C374163741001		TED
KALLUS ET UX				SAN	GABRIEL	RIVER		1478400000	GALA57	8
WR374401	110.	IRR319520930		1	2	0.0000	C3744_1	C374463744001		T.
D. VAUGHAN				SAN	GABRIEL	RIVER		1478200000	GALA57	8
WR374501	33.0	IRR319631231		1	2	0.0000	C3745_1	C374563745001		BEN
W KURIO (BWK PARTNERSHIP)				SAN	GABRIEL	RIVER		1478000000	GALA57	8
WR374601	12.0	IRR319571231		1	2	0.0000	C3746_1	C374663746001		CHARLENE
M SEFCIK				SAN	GABRIEL	RIVER		1477000000	GALA57	8
WR374701	284.	IRR319660731		1	2	0.0000	C3747_1	C374763747001		JIMMY
F. BYERS				SAN	GABRIEL	RIVER		1473500000	GALA57	8
** Expired										
**IF409131	25339.	IFD08919840103		1			IFP4091_1			
**WR409131	448.	IRR319840103		1	2	0.0000	P4091_1	P409114091001		DAVID
L KELLEY ET UX				SAN	GABRIEL	RIVER		1473000000	PAGR31	8
**WSRP4091	11.0	0.5228	0.8206	0	0					
** Note: Only 20 acft of water may be consumptively used for industrial purposes.										
WR374801	203.	IND319451231		1	1	0.9015	C3748_1	C374863748001		A
C STEARNS ESTATE				SAN	GABRIEL	RIVER		1460100000	GALA57	8
** Right is authorized for municipal, industrial, mining, and irrigation, but since the uses were not										
** broken out, all diversions are modeled as municipal.										
** FNI change - System Operation										
WR516331	6566.	MUN319680212		1	4	R51631	C5163_1	C516365163001		BRAZOS
RIVER AUTHORITY				SAN	GABRIEL	RIVER		1440000000	GALA57	8
WSGRNGER	43158.			0						
**PX	1									
WR516331	6721.	MUN319680212		1	4	R51631	C5163_2	C516365163001		BRAZOS
RIVER AUTHORITY				SAN	GABRIEL	RIVER		1440000000	GALA57	8
WSGRNGER	43158.			0						
**PX	1									
WR516331	5659.	IND319680212		1	2	0.0000	C5163_3	C516365163001		BRAZOS
RIVER AUTHORITY				SAN	GABRIEL	RIVER		1440000000	GALA57	8
WSGRNGER	43158.			0						
**PX	1									
WR516331	0.	IND319680212		1	2	0.0000	C5163_4	C516365163001		BRAZOS
RIVER AUTHORITY				SAN	GABRIEL	RIVER		1440000000	GALA57	8
WSGRNGER	43158.			0						
**PX	1									
WR516331	20.	MIN319680212		1	2	0.0000	C5163_5	C516365163001		BRAZOS
RIVER AUTHORITY				SAN	GABRIEL	RIVER		1440000000	GALA57	8
WSGRNGER	43158.			0						
**PX	1									
WR516331	874.	IRR319680212		1	2	0.0000	C5163_6	C516365163001		BRAZOS
RIVER AUTHORITY				SAN	GABRIEL	RIVER		1440000000	GALA57	8
WSGRNGER	43158.			0						
**PX	1									
** SysOp Change:										
** Calculate the total depletion for water right 5163.										
**WRSR5163		19680212					Compute Dep	5163	SYSTEM	
**TO	6	1.0	ADD				C5163_1	CONT		
**TO	6	1.0	ADD				C5163_2	CONT		
**TO	6	1.0	ADD				C5163_3	CONT		
**TO	6	1.0	ADD				C5163_4	CONT		

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**TO      6      1.0      ADD      C5163_5      CONT
**TO      6      1.0      ADD      C5163_6
**PX      4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
**WRSR5163 9999999      19680212      Depletion 5163      SYSTEM
**PX      5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WRS16331      19680212      1.0000      5163DP      Lumped Dep 5163      SYSTEM      1simdep
**TO      11      1.0      ADD      Depletion 5163
**PX      2
** Special code to output storage from first simulation
**WRGR_dum      19680212      1simGRstor      look
**TO      4      SET      GRNGER
**PX      4
**WRGR_dum      9999999      XMONTH19680212      2simGRstor      look
**PX      5
** - End modeling Lake Granger.
** end FNI change
**
WR375001      125.      IRR319430630      1      2      0.0000      C3750_1      C375063750001      T.R.
COFFIELD      SAN GABRIEL RIVER      1357000000      LRCA58      8
WR397131      0.0      UNIFO19830131      1      2      0.0000      P3971_1      P397113971301      TONKAWA
SPRINGS HOME OWNERS      DRY FRK BRUSHY CRK      1339000000      LRCA58      8
WSRP3971      7.5      0.5228      0.8206      0      0
WR511831      0.0      UNIFO19870112      1      2      0.0000      P5118_1      P511815118301      KILLEEN
SAVINGS & LOAN ASSN      DRY FRK BRUSHY CRK      1338900000      LRCA58      8
WSRP5118      2.8      0.5228      0.8206      0      0
WR417131      0.0      UNIFO19840814      1      2      0.0000      P4171_1      P417114171301      35/45
INVESTORS LP      LAKE CRK      1338500000      LRCA58      8
WSRP4171      19.0      0.5228      0.8206      0      0
WR375101      30.0      IRR319220818      1      2      0.0000      C3751_1      C375163751001      BERTHA
S. JOHNSON      BRUSHY CRK      1338000000      LRCA58      8
**NNP Teravista, app. 5667B, 11/13/03, io
WR566732      0.0      UNIFO19991213      1      2      0.0000      P5667_1      P566715667302
WSR56672      24.23      0.4897      0.7633      0      0
WR566731      0.0      UNIFO19991213      1      2      0.0000      P5667_2      P566715667301
WSR56671      5.0      0.4897      0.7633      0      0
WR566734      0.0      UNIFO19991213      1      2      0.0000      P5667_3      P566715667304
WSR56674      61.41      0.4897      0.7633      0      0
WR518831      0.0      UNIFO19880720      1      2      0.0000      P5188_1      P518815188301      CITY
OF TAYLOR      BULL CRK      1278350000      LRCA58      8
WSRP5188      11.6      0.5228      0.8206      0      0
WR375231      0.0      UNIFO19760517      1      2      0.0000      C3752_1      C375263752301      CITY
OF TAYLOR      BULL BRANCH      1278300000      LRCA58      8
WSRC3752      26.0      0.5228      0.8206      0      0
** WR/WS/SO/IF Records added/changed for P4166, SAMUEL W & MARGARET JONES.
IF416611      3403.      UNIFO19840731      1      1      IFP4166_1
WR416611      120.      IRR319840731      1      2      0.0000      P4166_1      P416614166101      SAMUEL
W & MARGARET JONES      BRUSHY CRK      1279800000      LRCA58      8
**
WR375331      1.0      IRR319630701      1      2      0.0000      C3753_1      C375363753001      THE
ESTATE OF JOHN V STILES      BRUSHY CRK      1260100000      LRCA58      8
WSRC3753      121.      0.5228      0.8206      0      0
WR375431      60.0      MUN319610620      1      2      0.0000      C3754_1      C375463754001      CITY
OF THORNDALE      ROCKY CRK      1259000000      LRCA58      8
WSRC3754      134.      0.5228      0.8206      0      0
WR375601      3.0      IRR319530701      1      2      0.0000      C3756_1      C375663756001      LESTER
W. STILES      SPRING BR      1239600000      LRCA58      8
WR375531      29.0      IRR319630430      1      2      0.0000      C3755_1      C375563755004      W.A.
& JACK WINTERROWD      SPRING BR      1239250000      LRCA58      8
WSRC3755      153.      0.5228      0.8206      0      0
WR375533      21.0      IRR319630430      1      2      0.0000      C3755_2      C375563755006      W.A.
& JACK WINTERROWD      SPRING BR      1239250000      LRCA58      8
WSC37551      110.      0.5228      0.8206      0      0
WR375731      100.      MUN319660915      1      2      0.0000      C3757_1      C375763757001      CITY
OF THORNDALE      SPRING BR      1239000000      LRCA58      8
WSRC3757      469.      0.5228      0.8206      0      0
** This portion of the right will expire when water becomes available from Lake Granger. Granger
** has been constructed and filled. Assume water is available from Lake Granger and do not model
** this portion of the right.
**WR375701      150.      MUN319820920      1      2      0.0000      C3757_2      C375763757001      CITY
OF THORNDALE      SPRING BR      1239000000      LRCA58      B      8
**WSRC3757      469.      0.5228      0.8206      0      0
WR374901      110.      IRR319670430      1      2      0.0000      C3749_1      C374963749001      W
T PEARSON JR      SAN GABRIEL RIVER      1236000000      LRCA58      8
** HALE CLAUSE
IFLRCA58      25103.      IFD08619770829      1      1      IFC3759_1
    
```


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WR377511	500.00	IRR320000929	1	2	0.0000			C3775_4	C377563775101				LLOYD
E LEIFESTE ET UX						LITTLE RIVER			1219000000	BRBR59	8		
**													
WR377501	577.66	IRR319600410	1	2	0.0000			C3775_1	C377563775001				LLOYD
E LEIFESTE ET UX						LITTLE RIVER			1219000000	BRBR59	8		
WR377501	622.59	IRR319600410	1	2	0.0000			C3775_2	C377563775001				VERONICA
ROESSLER ET AL						LITTLE RIVER			1219000000	BRBR59	8		
WR377501	66.75	IRR319600410	1	2	0.0000			C3775_3	C377563775001				Robertson
(Fee)						LITTLE RIVER			1219000000	BRBR59	8		
WR436931	4.0	IRR319651231	1	2	0.0000			C4369_1	C436964369001				GENE
W BONORDEN						THREE MILE			1210700000	BRBR59	8		
WSRC4369	4.0	0.5228	0.8206		0								
** Diversions contingent upon effluent discharges from the City of Temple.													
**IF554801		1448.				UNIFO19960315					1		IFP5548_1
A													
**WR554801	50.0	IRR319960315	1	2	0.0000			P5548_1	P554815548001				EDWARD
COUFAL						DAILY BRANCH			1153800000	BRBR59	A	8	
**SO						104702							
**ML	0.	0.	0.	0.	68.	66.	68.	68.	0.	0.	0.	0.	
** 6400 acft/yr (municipal) IBT from Colorado River Basin to the Brazos. No control point provided by TNRC.													
** Dummy control point (D56771) utilized to which required diversions are added using CI records.													
WRD56771	6400.	MUN320000202	1	2	0.0000	126441		P5677_1	P56779999				LOWER
COLORADO RIVER AUTHORITY						COLORADO RIVER			0760000000	BRHE68	8		
WR433901	100.	IRR319630523	1	2	0.0000			C4339_1	C433964339001				B.T.
GEORGE, C. WALKER, & J&B ENGLISH						BRAZOS RIVER			2990000000	BRWA41	9		
** Added industrial use													
WR434031	5600.	MUN319140629	2	4	R50941	110711		C4340_1	C434064340001				CITY
OF WACO						BRAZOS RIVER			2935000000	BRWA41	B	9	
WSRC4340	3537.	0.8109	0.6681		0	0							
WR434031	0.0	UNIFO19680108	1	2	0.0000			C4340_3	C434064340001				CITY
OF WACO						BRAZOS RIVER			2935000000	BRWA41	B	9	
WSRC4340	3537.	0.8109	0.6681		0	0							
** Hydroelectric portion cancelled													
**WR4340311257530.		HYD399999999	1	1	1.0000	434031		C4340_4	C434064340001				YOUNG
BROTHER INC CONTRACTORS						BRAZOS RIVER			2935000000	BRWA41	9		
**WSRC4340	3537.	0.8109	0.6681		0	0							
** HALE CLAUSE													
IFBRWA41	190763.	IFD09119860814	1	1				IFP5085_1					
WR508541	6021.	MUN319860814	1	4	R50941	110711		P5085_1	P508515085001				CITY
OF ROBINSON						BRAZOS RIVER			2922300000	BRHB42	9		
WSRP5085	8037.	0.2710	0.8958		0	0							
SO	6112.	13100.	508501										
WR434331	0.0	UNIFO19730212	1	2	0.0000			C4343_1	C434364343301				OAK
LAKE CLUB						Tiger Branch			2860500000	BRHB42	9		
WSRC4343	27.0	0.5228	0.8206		0	0							
WR500031	500.	MUN319850903	1	2	0.0000			P5000_1	P500015000001				CITY
OF MART						TRADINGHOUSE CRK			2832200000	BRHB42	9		
WSRP5000	1640.	0.5228	0.8206		0	0							
WR434201	12000.	IND319260821	1	1	0.0000			C4342_1	C434264342001				TEXAS
UTILITIES ELECTRIC CO						BRAZOS RIVER			2832000000	BRHB42	9		
WR434231	15000.	IND319660916	1	2	0.0000			C4342_2	C434264342002				TEXAS
UTILITIES ELECTRIC CO						Trandinghouse Creek			2832000000	BRHB42	B	9	
WSTRCLRK	35427.				0								
WR434401	400.	IRR319180316	1	2	0.0000			C4344_1	C434464344001				LOLA
ROBINSON						TEHUACANA CRK			2830000000	BRHB42	9		
WR434402	660.	IRR319290126	1	2	0.0000			C4344_2	C434464344002				LOLA
ROBINSON						Brazos River and TEHUACANA CRK			2830000000	BRHB42	9		
** HALE CLAUSE													
IFBRWA41	130751.	IFD09219820830	1	1				IFP3936_1					
WR393601	2600.	IRR319820830	1	2	0.0000			P3936_1	P393613936001				HOLY
LAND & CATTLE						BRAZOS RIVER			2812000000	BRHB42	9		
** Certificate states that water can be diverted from Brazos into the reservoir at the earlier													
** priority date. Assume that additional 500 acft is allowed to be impounded from the Brazos River diversion.													
** Impoundment of watershed flows for the additional 500 acft is limited to the 1952 priority date.													
WR434531	10000.	IND319510306	1	2	0.0000			C4345_1	C434564345002				TEXAS
UTILITIES ELECTRIC CO						BRAZOS RIVER			2800000000	BRHB42	9		
WSLAKECR	7196.				0								
WR434531	0.	IND319510306	1	2	0.0000			C4345_2	C434564345002				TEXAS
UTILITIES ELECTRIC CO						BRAZOS RIVER			2800000000	BRHB42	9		
WSLAKECR	7196.				0								
SO	27075.	8996.	434501			BACKUP							
WR434531	0.	IND319520305	1	2	0.0000			C4345_3	C434564345002				TEXAS
UTILITIES ELECTRIC CO						BRAZOS RIVER			2800000000	BRHB42	9		
WSLAKECR	7196.				0								
**IFBRHB42	235583.	IFD09319831219										1	IFP4089_1
A													
**WR408902	200.	IRR319831219	1	2	0.0000			P4089_1	P408914089002				T
W WHALEY JR						BRAZOS RIVER			2725710000	PAGR31	A	9	
** HALE CLAUSE													
IFBRHB42	196129.	IFD09819830207	1	1				IFP4042_1					
WR404202	700.	IRR319830207	1	2	0.0000			P4042_1	P404214042002				T
W WHALEY JR						BRAZOS RIVER			2723010000	BRHB42	9		
WR434601	200.	IRR319250828	1	2	0.0000			C4346_1	C434664346001				W
J DUBE						BRAZOS RIVER			2716000000	BRHB42	9		

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IFBRHB42 235583.	IFD09319840515	1	1		IFP4145_1						
WRP41451 448.	IRR319840515	1	2	0.0000		P4145_1	P414514145001			JOHN	
W & JANIE NIGLIAZZO							1215010000	CFNU16	9		
WR436801 76.0	IRR319560831	1	2	0.0000		C4368_1	C436864368001			GLORIA	
ELY HOLDEN							1214500000	BRBR59	9		
** HALE CLAUSE											
IFBRHB42 235583.	IFD09319830919	1	1		IFP4080_1						
WR408004 1500.	IRR319830919	1	2	0.0000		P4080_1	P408014080004			GATHAN	
REISTINO							1208510000	BRBR59	9		
WR437002 297.	IRR319541231	1	2	0.0000		C4370_1	C437064370002			ONAH	
B PENN ETAL							1207000000	BRBR59	9		
WR437031 0.0	UNIFO19551231	1	2	0.0000		C4370_2	C437064370003			ONAH	
B PENN ETAL							1207000000	BRBR59	9		
WSRC4370 15.0	0.5228 0.8206			0							
WR437101 410.	IRR319560731	1	2	0.0000		C4371_1	C437164371001			SAM	
F DESTEFANO							1206300000	BRBR59	9		
** HALE CLAUSE											
IFBRHB42 196129.	IFD09819830207	1	1		IFC4371_1						
WR437101 290.	IRR319830207	1	2	0.0000		C4371_2	C437164371001			SAM	
F DESTEFANO							1206300000	BRBR59	9		
WR437331 0.0	UNIFO19750224	1	2	0.0000		C4373_1	C437364373301			"DRAYTON	
MCLANE, JR"							1205487500	BRBR59	9		
WSRC4373 156.	0.5228 0.8206			0							
WR437332 0.0	UNIFO19750224	1	2	0.0000		C4373_2	C437364373302			"DRAYTON	
MCLANE, JR"							1205487500	BRBR59	9		
WSC43732 177.	0.5228 0.8206			0							
WR437431 0.0	UNIFO19720626	1	2	0.0000		C4374_1	C437464374301			LAKE	
WOODROW INC							1205486000	BRBR59	9		
WSRC4374 166.	0.4897 0.7633			0							
** HALE CLAUSE											
IFBRBR59 435061.	IFD09B19810309	1	1		IFC4372_1						
** Right authorized to use 700 acft, of which 235 acft can be from the watershed above the											
** reservoir. The remaining use must be from the Brazos River, with the annual total diverted											
** from the Brazos River for irrigation and maintenance of storage not to exceed 730 acft/yr.											
WR437231 235.	IRR319810309	1	2	0.0000		C4372_1	C437264372002			FORBIN	
INVESTMENTS N V							1205455000	BRBR59	9		
WR437231 465.	IRR319810309	1	2	0.0000		C4372_2	C437264372002			FORBIN	
INVESTMENTS N V							1205455000	BRBR59	9		
WSRC4372 120.	0.5228 0.8206			0							
SO 268.	730. 437201			BACKUP							
** Expired											
** HALE CLAUSE											
**IFBRBR59 450393.	IFD09C19910228				1					IFP5349_1	
A											
**WR534901 780.	IRR319910228	1	2	0.0000		P5349_1	P534915349001			BRAZOS	
FARM LTD							1205453000	SJGMC4	A 9		
WR548231 0.0	MIN319940629	1	2	0.0000		P5482_1	P548215482301			WALNUT	
CREEK MINING COMPANY							1205339915	BRBR59	9		
WSRP5482 7.6	0.5228 0.8206			0							
WR5326P1 0.0	IND319901024	1	2	0.0000		P5326_1	P532615326001			WALNUT	
CREEK MINING CO							1205339910	BRRO72	9		
WSRP5326 49.8	0.5228 0.8206			0							
WR511731 0.0	MIN319861231	1	2	0.0000		P5117_1	P511715117301			WALNUT	
CREEK MINING COMPANY							1205339900	BRBR59	B 9		
WSRP5117 126.	0.5228 0.8206			0							
WR437531 4.0	IRR319631231	1	2	0.0000		C4375_1	C437564375002			FLOYD	
KEMPENSKI							1205339800	BRBR59	9		
WSRC4375 20.0	0.5228 0.8206			0							
WR510631 0.0	MIN319861022	1	2	0.0000		P5106_1	P510615106301			WALNUT	
CREEK MINING COMPANY							1205337000	BRBR59	B 9		
WSRP5106 95.0	0.5228 0.8206			0							
WR514831 458.	IND319870723	1	2	0.0000		P5148_1	P514815148301			TEXAS-	
NEW MEXICO POWER CO							1205336000	BRBR59	9		
WSRP5148 178.	0.5228 0.8206			0							
WR436301 384.	IRR319511231	1	2	0.0000		C4363_1	C436364363001			JOE	
REISTINO ESTATE							1205310000	BRBR59	9		
** HALE CLAUSE											
IFBRHB42 235583.	IFD09319831019	1	1		IFC4363_1						
WR436301 1068.	IRR319831019	1	2	0.0000		C4363_2	C436364363001			JOE	
REISTINO ESTATE							1205310000	BRBR59	9		
WR436302 48.	IRR319511231	1	2	0.0000		C4363_3	C436364363002			JOE	
REISTINO ESTATE							1205310000	BRBR59	9		
** HALE CLAUSE											
IFBRHB42 261415.	IFD09F19840710	1	1		IFC4364_1						
WR436401 724.	IRR319581231	1	2	0.0000		C4364_1	C436464364001			CLIFF	
A SKILES JR							1205302000	BRBR59	9		
WR436441 0.	IRR319581231	1	2	0.0000		C4364_2	C436464364001			CLIFF	
A SKILES JR							1205302000	BRBR59	9		
WSRC4364 6.0	0.2710 0.8958			0							
SO 436405				BACKUP							
**WR436401 3026.	IRR319840710	1	2	0.0000		C4364_3	C436464364001			CLIFF	
A SKILES JR							1205302000	BRBR59	A 9		
**WR436405 0.	IRR319840710	1	2	0.0000		C4364_4	C436464364005			CLIFF	
A SKILES JR							1205302000	BRBR59	A 9		

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WR527631	2.3	IRR319720626	1	2	0.0000		C5276_1	C527665276001		GEORGE
W SPRANKLE						TRACY		1125590000 YCSO62	9	
WSRC5276	16.0	0.5228 0.8206			0					
WR527731	20.0	IRR319590630	1	2	0.0000		C5277_1	C527765277001		TOMMY
BREDTHAUER ET AL						CEDAR CRK		1125510000 YCSO62	9	
WSRC5277	75.	0.5228 0.8206			0					
WR527732	0.	IRR319590630	1	2	0.0000		C5277_2	C527765277001		TOMMY
BREDTHAUER ET AL						CEDAR CRK		1125510000 YCSO62	9	
WSC52771	10.	0.5228 0.8206			0					
WR527733	0.	IRR319590630	1	2	0.0000		C5277_3	C527765277001		TOMMY
BREDTHAUER ET AL						CEDAR CRK		1125510000 YCSO62	9	
WSC52772	16.	0.5228 0.8206			0					
WR527831	0.0	UNIFO19501116	1	2	0.0000		C5278_1	C527865278301		K
L NIXON						FOUR MILE CRK		1125000000 YCSO62	9	
WSRC5278	135.	0.5228 0.8206			0					
WR527931	0.0	UNIFO19741202	1	2	0.0000		C5279_1	C527965279301		BIRCH
CREEK FOREST PROPERTIES						BIRCH CRK		1124000000 YCSO62	9	
WSR52791	5.0	0.5228 0.8206			0					
WR527932	0.0	UNIFO19741202	1	2	0.0000		C5279_2	C527965279302		BIRCH
CREEK FOREST PROPERTIES						BIRCH CRK		1124000000 YCSO62	9	
WSR52792	5.0	0.5228 0.8206			0					
WR527933	0.0	UNIFO19741202	1	2	0.0000		C5279_3	C527965279303		BIRCH
CREEK FOREST PROPERTIES						BIRCH CRK		1124000000 YCSO62	9	
WSR52793	5.0	0.5228 0.8206			0					
** Note: Owner is authorized to divert spring water during periods when the flow										
** of Jerdelle Creek is absorbed into the alluvial soils.										
WR528041	0.0	IND319810601	1	2	0.0000		C5280_1	C528065280001		WALDO
NIENSTEDT						JERDELLA		1123600000 YCSO62	9	
WSRC5280	4.5	0.2710 0.8958			0					
SO	6.5	20. 528001								
**										
** Lake Somerville										
**										
** FNI change - System Operation										
WR516431	4619.	MUN319631216	1	4	R51641 103881		C5164_1	C516465164001		BRAZOS
RIVER AUTHORITY						YEGUA CRK		1122000000 YCSO62	9	
WSSMRVLE 128311.					0					
**PX	1									
WR516431	6658.	IND319631216	1	2	0.0000		C5164_2	C516465164001		BRAZOS
RIVER AUTHORITY						YEGUA CRK		1122000000 YCSO62	9	
WSSMRVLE 128311.					0					
**PX	1									
WR516431	23763.	IND319631216	1	2	0.0000		C5164_3	C516465164001		BRAZOS
RIVER AUTHORITY						YEGUA CRK		1122000000 YCSO62	9	
WSSMRVLE 128311.					0					
**PX	1									
WR516431	0.0	IRR319631216	1	2	0.0000		C5164_4	C516465164001		BRAZOS
RIVER AUTHORITY						YEGUA CRK		1122000000 YCSO62	9	
WSSMRVLE 128311.					0					
**PX	1									
WR516431	12928.	IRR319631216	1	2	0.0000		C5164_5	C516465164001		BRAZOS
RIVER AUTHORITY						YEGUA CRK		1122000000 YCSO62	9	
WSSMRVLE 128311.					0					
**PX	1									
WR516431	32.	MIN319631216	1	2	0.0000		C5164_6	C516465164001		BRAZOS
RIVER AUTHORITY						YEGUA CRK		1122000000 YCSO62	9	
WSSMRVLE 128311.					0					
**PX	1									
WR516431	0.0	UNIFO19631216	1	2	0.0000		C5164_7	C516465164001		BRAZOS
RIVER AUTHORITY						YEGUA CRK		1122000000 YCSO62	9	
WSSMRVLE 128311.					0					
**PX	1									
** SysOp Change:										
** Calculate the total depletion for water right 5164.										
**WRSR5164		19631216					Compute Dep 5164	SYSTEM		
**TO	6	1.0	ADD				C5164_1	CONT		
**TO	6	1.0	ADD				C5164_2	CONT		
**TO	6	1.0	ADD				C5164_3	CONT		
**TO	6	1.0	ADD				C5164_4	CONT		
**TO	6	1.0	ADD				C5164_5	CONT		
**TO	6	1.0	ADD				C5164_6	CONT		
**TO	6	1.0	ADD				C5164_7	CONT		
**PX	4									
**										
** SysOp Change:										
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited										
** to depletions in the first run.										
**WRSR5164	9999999	19631216					Depletion 5164	SYSTEM		
**PX	5									
**										
** SysOp Change:										
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion										
** of the amount of the base run (first pass)										
**WR516431		19631216			1.0000 5164DP		Lumped Dep 5164	SYSTEM	lsimdep	

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**TO 11 1.0 ADD Depletion 5164
**PX 2
** Special code to output storage from first simulation
**WRSO_dum 19631216 1simSOstor look
**TO 4 SET SMRVLE
**PX 4
**WRSO_dum 9999999 XMONTH19631216 2simSOstor look
**PX 5
** - End modeling Lake Somerville.
** end FNI change
WR528131 0.0 UNIFO19800303 1 2 0.0000 C5281_1 C528165281301 HARRY
H BOWERS DAVIDSON 1119900000 DCLY63 9
WSRC5281 60.0 0.4897 0.7633 0 0
WR528231 0.0 UNIFO19811109 1 2 0.0000 C5282_1 C528265282301 RUSSELL
F WIGGINS SECOND DAVIDSON CRK 1119220000 DCLY63 9
WSRC5282 675. 0.8109 0.6681 0 0
** The diversion authorized from Brushy Creek and West Davidson Creek is for flood control
** purposes and is not modeled.
**WR414001 0.0 UNIFO19840410 1 2 0.0000 P4140_1 P414014140001 JOE
D DUNCAN BRUSHY CRK 1119050000 CFNU16 9
WR528331 0.0 UNIFO19750203 1 2 0.0000 C5283_1 C528365283301 BEAVER
CREEK DEVELOPERS DAVIDSON 1118450000 DCLY63 9
WSRC5283 27.8 0.4897 0.7633 0 0
WR528332 0.0 UNIFO19750203 1 2 0.0000 C5283_2 C528365283302 BEAVER
CREEK DEVELOPERS DAVIDSON 1118450000 DCLY63 9
WSC52831 30.4 0.4897 0.7633 0 0
WR528333 0.0 UNIFO19750203 1 2 0.0000 C5283_3 C528365283303 BEAVER
CREEK DEVELOPERS DAVIDSON 1118450000 DCLY63 9
WSC52832 8.4 0.4897 0.7633 0 0
WR528334 0.0 UNIFO19750203 1 2 0.0000 C5283_4 C528365283304 BEAVER
CREEK DEVELOPERS DAVIDSON 1118450000 DCLY63 9
WSC52833 18.5 0.4897 0.7633 0 0
WR528335 0.0 UNIFO19750203 1 2 0.0000 C5283_5 C528365283305 BEAVER
CREEK DEVELOPERS DAVIDSON 1118450000 DCLY63 9
WSC52834 14. 0.4897 0.7633 0 0
WR528336 0.0 UNIFO19750203 1 2 0.0000 C5283_6 C528365283306 BEAVER
CREEK DEVELOPERS DAVIDSON 1118450000 DCLY63 9
WSC52835 14. 0.4897 0.7633 0 0
WR528431 30.0 IRR319670109 1 2 0.0000 C5284_1 C528465284001 SEALY
& ROBERT HUTCHINGS YEGUA CRK 1118000000 BRHE68 9
WSRC5284 72.0 0.5228 0.8206 0 0
WR528731 2165. MUN319570415 1 2 0.0000 C5287_1 C528765287001 BISTONE
MUNICIPAL WSD NAVASOTA RIVER 1035000000 NAGR64 10
WS MEXIA 3323. 0
WR528731 722. MUN319570415 1 2 0.0000 C5287_2 C528765287001 BISTONE
MUNICIPAL WSD NAVASOTA RIVER 1035000000 NAGR64 10
WS MEXIA 3323. 0
WR528731 65.0 IND319570415 1 2 1.0000 IB5287 C5287_3 C528765287001 BISTONE
MUNICIPAL WSD NAVASOTA RIVER 1035000000 NAGR64 10
WS MEXIA 3323. 0
WR528831 6.0 IRR319390118 1 2 0.0000 C5288_1 C528865288001 TEXAS
PARKS & WILDLIFE DEPT NAVASOTA RIVER 0870000000 NAGR64 10
WSRC5288 3100. 0.5228 0.8206 0 0
WR528831 0.0 UNIFO19390118 1 2 0.0000 C5288_2 C528865288001 TEXAS
PARKS & WILDLIFE DEPT NAVASOTA RIVER 0870000000 NAGR64 10
WSRC5288 3100. 0.5228 0.8206 0 0
WR528931 2500. MUN319210613 1 2 0.0000 C5289_1 C528965289001 CITY
OF GROESBECK NAVASOTA RIVER 0840000000 NAEA66 10
WSRC5289 150. 0.5228 0.8206 0 0
WR529031 8.0 IRR319721204 1 2 0.0000 C5290_1 C529065290001 ERNI
LUNA ET AL PLUMMERS 0812500000 NAEA66 10
WSRC5290 108. 0.5228 0.8206 0 0
WR529131 605. MUN319520814 1 2 0.0000 C5291_1 C529165291001 CITY
OF TEAGUE HOLMAN 0810000000 BGFR65 10
WSRC5291 860. 0.4897 0.7633 0 0
WR529131 0.0 MUN319570311 1 2 0.0000 C5291_2 C529165291001 CITY
OF TEAGUE HOLMAN 0810000000 BGFR65 10
WSRC5291 1160. 0.4897 0.7633 0 0
** Shares reservoir with C5293 (Lower Club Lake).
WR529331 5.0 MUN319750106 1 2 0.0000 C5292_1 C529265292001 CITY
OF TEAGUE JETER CRK 0809900000 BGFR65 10
WSRC5293 483. 0.5228 0.8206 0 0
WR529331 24.0 MUN319850910 1 2 0.0000 C5292_2 C529265292001 CITY
OF TEAGUE JETER CRK 0809900000 BGFR65 10
WSRC5293 483. 0.5228 0.8206 0 0
WR529332 0.0 UNIFO19750106 1 2 0.0000 C5293_1 C529365293302 TEAGUE
HUNTING & FISHING CLUB JETER CRK 0809000000 BGFR65 10
WSC52931 267. 0.5228 0.8206 0 0
WR529331 0.0 UNIFO19750106 1 2 0.0000 C5293_2 C529365293301 TEAGUE
HUNTING & FISHING CLUB JETER CRK 0809000000 BGFR65 10
WSRC5293 483. 0.5228 0.8206 0 0
WR529431 0.0 UNIFO19541231 1 2 0.0000 C5294_1 C529465294301 D
G BROWN CHAMBERS CRK 0808000000 BGFR65 10
WSRC5294 150. 0.5228 0.8206 0 0

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WR529431    0.0    UNIFO19840710    1    2    0.0000                    C5294_2    C529465294301                    D
G BROWN                                CHAMBERS CRK                                0808000000    BGFR65    10
WSRC5294    187.    0.5228    0.8206                    0    0
WR529531    0.0    UNIFO19760329    1    2    0.0000                    C5295_1    C529565295301                    J
G KENNEDY                                BIG CRK                                0807800000    NAEA66    10
WSRC5295    285.    0.5228    0.8206                    0    0
WR531937    90.0    IND319901012    1    2    0.0000                    P5319_1    P531915319003                    NORTHWESTERN
RESOURCES CO                            UNNAMED TRIB                            0806000000    NAEA66    10
WSP53191    193.4    0.5228    0.8206                    0    0
WR531936    0.    IND319901012    1    2    0.0000                    P5319_2    P531915319003                    NORTHWESTERN
RESOURCES CO                            UNNAMED TRIB                            0806000000    NAEA66    10
WSRP5319    322.7    0.5228    0.8206                    0    0
**
** Lake Limestone
**
** The following IFs to protect downstream water rights were removed
**IF516531    4344.    UNIFO19740506    1                    IFC5165_1
**IF516531    1448.    UNIFO19740506    3                    IFC5165_2
**WSLMSTNE 175882.                                0                    -1
**OR516531                                -1
** FNI change - add in instream flow
** this is the 6 cfs requirement, limited to inflow
** in order to include downstream releases when short, make most junior and limit to inflows
IF516531    4348    DAYS999999999    3                    IFLMSTNE6CFS
TO 2                    MIN                    516501
WSLMSTNE 175882.                                0
OR516531
** minimum of 2 cfs as long as there is inflow
** note 1 most junior and downstream
IF516531    1449    DAYS999999999    3                    IFLMSTNE2CFS
TO 2                    LIM    0.1    9999999    516501
WSLMSTNE 175882.                                0
OR516531
**
WR516531    28415.    MUN319740506    1    2    0.0000                    C5165_1    C516565165001                    BRAZOS
RIVER AUTHORITY                            NAVASOTA RIVER                            0803000000    NAEA66    10
WSLMSTNE 175882.                                0
**PX 1
WR516531    200.    MUN319740506    1    2    0.0000                    C5165_2    C516565165001                    BRAZOS
RIVER AUTHORITY                            NAVASOTA RIVER                            0803000000    NAEA66    10
WSLMSTNE 175882.                                0
**PX 1
WR516531    21602.    IND319740506    1    2    0.0000                    C5165_3    C516565165001                    BRAZOS
RIVER AUTHORITY                            NAVASOTA RIVER                            0803000000    NAEA66    10
WSLMSTNE 175882.                                0
**PX 1
WR516531    11255.    IND319740506    1    2    0.0000                    C5165_4    C516565165001                    BRAZOS
RIVER AUTHORITY                            NAVASOTA RIVER                            0803000000    NAEA66    10
WSLMSTNE 175882.                                0
**PX 1
WR516531    3600.    IND319740506    1    2    0.0000                    C5165_5    C516565165001                    BRAZOS
RIVER AUTHORITY                            NAVASOTA RIVER                            0803000000    NAEA66    10
WSLMSTNE 175882.                                0
**PX 1
WR516531    0.0    IRR319740506    1    2    0.0000                    C5165_6    C516565165001                    BRAZOS
RIVER AUTHORITY                            NAVASOTA RIVER                            0803000000    NAEA66    10
WSLMSTNE 175882.                                0
**PX 1
WR516531    2.    MIN319740506    1    2    0.0000                    C5165_7    C516565165001                    BRAZOS
RIVER AUTHORITY                            NAVASOTA RIVER                            0803000000    NAEA66    10
WSLMSTNE 175882.                                0
**PX 1
WR516531    0.0    UNIFO19790904    1    2    0.0000                    C5165_8    C516565165001                    BRAZOS
RIVER AUTHORITY                            NAVASOTA RIVER                            0803000000    NAEA66    10
WSLMSTNE 175882.                                0
**PX 1
** SysOp Change:
** Calculate the total depletion for water right 5165.
**WRSR5165    19740506                    Compute Dep 5165    SYSTEM
**TO 6    1.0    ADD                    C5165_1    CONT
**TO 6    1.0    ADD                    C5165_2    CONT
**TO 6    1.0    ADD                    C5165_3    CONT
**TO 6    1.0    ADD                    C5165_4    CONT
**TO 6    1.0    ADD                    C5165_5    CONT
**TO 6    1.0    ADD                    C5165_6    CONT
**TO 6    1.0    ADD                    C5165_7    CONT
**PX 4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to the regulated flow. In the first pass, the regulated flow is the depletion from the reservoir. In the second pass,
** the depletion is limited to the first pass (base run)
**WRSR5165 9999999    19740506                    Depletion 5165    SYSTEM
**PX 5
    
```


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**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WRS16531      19740506      1.0000  5165DP      Lumped Dep 5165  SYSTEM lsimdep
**TO  11      1.0      ADD      Depletion 5165
**PX  2
**
** Junior Priority
**
** SysOp Change:
** Calculate the total depletion for water right 5165. At junior priority
**WRSR5165      19790904      Compute Dep5165b  SYSTEM
**TO  6      1.0      ADD      C5165_8
**PX  4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
**WRSR5165 9999999      19790904      Depletion 5165b  SYSTEM
**PX  5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass) for the junior priority.
**WRS16531      19790904      1.0000  5165DP      Lumped Dep 5165b  SYSTEM lsimdep
**TO  11      1.0      ADD      Depletion 5165b
**PX  2
** Special code to output storage from first simulation
**WRLS_dum      19790904      lsimLSstor      look
**TO  4      SET      LMSSTNE
**PX  4
**WRLS_dum 9999999 XMONTH19790904      2simLSstor      look
**PX  5
** - End modeling Lake Limestone.
** end FNI change
**
WR536731  0.0  UNIFO19740225  1  2  0.0000  C5367_1  C536765367301  BERT
WHEELER  BEAR CRK  0783160000  NAEA66  10
WSRC5367 1298.  0.5228  0.8206  0  0
**WR/WS/SO/IF Records added/changed for P5160, CAMP COOLEY LTD.
WR5160P1  0.0  D&L319871002  1  2  0.0000  P5160_1  P516015160301  CAMP
COOLEY LTD.  STEELE CRK  0782000000  NAEA66  10
WSRP5160  609.  0.5228  0.8206  0  0
WR516032  0.0  D&L319871002  1  2  0.0000  P5160_2  P516015160302  CAMP
COOLEY LTD.  STEELE CRK  0782000000  NAEA66  10
WSP51602  314.  0.5228  0.8206  0  0
WR529731  0.0  UNIFO19720403  1  2  0.0000  C5297_1  C529765297301  CAMP
COOLEY LTD  BEAR CRK  0783150000  NAEA66  10
WSRC5297  420.  0.5228  0.8206  0  0
IF529831  180.  IFD10319740701  1  IFC5298_1
WR529831 13200.  IND319740701  1  2  0.0000  C5298_1  C529865298001  TEXAS
UTILITIES ELECTRIC CO  DUCK CRK  0780900000  NABR67  10
WSTWNOAK  27333.  0
WR529931  0.0  UNIFO19760830  1  2  0.0000  C5299_1  C529965299301  JAMES
DENNISON ETAL  CLEAR CRK  0780300000  NABR67  10
WSRC5299  159.  0.5228  0.8206  0  0
WR429601  120.  IRR319850806  1  2  0.0000  P4296_1  P429614296001  HORIZON
LAND & CATTLE CO  PIGEON ROOST CRK  0780200000  NABR67  10
WR429602  0.  IRR319850806  1  2  0.0000  P4296_2  P429614296002  HORIZON
LAND & CATTLE CO  PIGEON ROOST CRK  0780200000  NABR67  10
SO  BACKUP
WR429603  0.  IRR319850806  1  2  0.0000  P4296_3  P429614296003  HORIZON
LAND & CATTLE CO  PIGEON ROOST CRK  0780200000  NABR67  10
SO  BACKUP
WR530031  0.0  UNIFO19550411  1  2  0.0000  C5300_1  C530065300301  DAVID
PATE ET UX  MILL CRK  0780000000  NABR67  10
WSRC5300  290.  0.5228  0.8206  0  0
WR530131  0.0  UNIFO19480614  1  2  0.0000  C5301_1  C530165301301  CAMP
CREEK WATER CO.  CAMP CRK  0775000000  NABR67  10
WSCAMCRK  5036.  0
WR530231  0.0  UNIFO19690825  1  2  0.0000  C5302_1  C530265302301  HILLTOP
LAKES RESORT CITY  RUNNING CRK  0767000000  NABR67  10
WSRC5302  976.  0.5228  0.8206  0  0
WR530232  0.0  UNIFO19740528  1  2  0.0000  C5302_2  C530265302302  HILLTOP
LAKES RESORT CITY  RUNNING CRK  0767000000  NABR67  10
WSC53021  465.  0.5228  0.8206  0  0
WR530331  0.0  UNIFO19750203  1  2  0.0000  C5303_1  C530365303301  CITY
OF NORMANGEE  RUNNING CRK  0766900000  NABR67  10
WSRC5303  360.  0.5228  0.8206  0  0
WR530431  0.0  UNIFO19761012  1  2  0.0000  C5304_1  C530465304301  JOINT
TEXAS DIVISION OF ETC  RAYLEIGH  0756750000  BRHE68  10
WSRC5304  210.  0.5228  0.8206  0  0

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WR530531	0.0	UNIFO19770117	1	2	0.0000		C5305_1	C530565305301		GERALD
S PITTS LTD NO 1		ALLCORN						0749000000 BRHE68	10	
WSRC5305	272.	0.5228 0.8206			0					
WR530631	0.0	UNIFO19750428	1	2	0.0000		C5306_1	C530665306301		SELECTED
LANDS LTD NO 18		NAVASOTA RIVER						0747750000 BRHE68	10	
WSRC5306	216.	0.5228 0.8206			0					
WR530831	12.0	IRR319760927	1	2	0.0000		C5308_1	C530865308001		BRIARCREST
COUNTRY CLUB INC		BRIAR						0747140000 BRHE68	10	
WSRC5308	12.0	0.5228 0.8206			0					
WR530831	0.0	UNIFO19760927	1	2	0.0000		C5308_2	C530865308301		BRIARCREST
COUNTRY CLUB INC		BRIAR						0747140000 BRHE68	10	
WSRC5308	12.0	0.5228 0.8206			0					
** Do not model. This right is is for clean up of arsenic from Finfeather Lake only.										
** The water is diverted, ran through a WTP and immediately returned to the diversion point.										
**WR542201	119.	UNIFO19920610	1	2	0.0000		P5422_1	P542215422001		ELF
ATOCHEM NORTH AMERICA INC		UNNAMED TRIB						0747135000 BRHE68	B 10	
WR530931	0.0	UNIFO19750106	1	2	0.0000		C5309_1	C530965309301		CITY
OF BRYAN		BURTON CRK						0747130000 BRHE68	10	
WSRC5309	73.0	0.5228 0.8206			0					
WR535731	0.0	UNIFO19910411	1	2	0.0000		P5357_1	P535715357301		"COLLEGE
STATION, CITY OF"		WOLF PEN CRK						0747070000 BRHE68	10	
WSRP5357	13.4	0.5228 0.8206			0					
WR534531	0.0	UNIFO19910208	1	2	0.0000		P5345_1	P534515345301		TAC
REALTY INC		CARTERS CRK						0747010000 BRHE68	10	
WSRP5345	14.0	0.5228 0.8206			0					
WR531031	0.0	UNIFO19690106	1	2	0.0000		C5310_1	C531065310301		CARTER
LAKE HOME OWNERS CORP		CARTER CRK						0747000000 BRHE68	10	
WSRC5310	481.	0.5228 0.8206			0					
WR513232	0.0	IND319870513	1	2	0.0000		P5132_1	P513215132001		TEXAS
MUNICIPAL POWER AGENCY		(HEIFER) NAVASOTA						0746500000 BRHE68	B 10	
WSP51320	879.	0.5228 0.8206			0					
WR513231	0.0	IND319870513	1	2	0.0000		P5132_2	P513215132001		TEXAS
MUNICIPAL POWER AGENCY		(HEIFER) NAVASOTA						0746500000 BRHE68	B 10	
WSP51321	382.	0.5228 0.8206			0					
WR513233	0.0	IND319870513	1	2	0.0000		P5132_3	P513215132001		TEXAS
MUNICIPAL POWER AGENCY		(HEIFER) NAVASOTA						0746500000 BRHE68	B 10	
WSP51322	747.	0.5228 0.8206			0					
**WR513241	0.0	IND319870513	1	2	0.0000		P5132_4	P513215132001		TEXAS
MUNICIPAL POWER AGENCY		(HEIFER) NAVASOTA						0746500000 BRHE68	B 10	
**WSP51323	150.	0.2710 0.8958			0					
IFP557021	40905.	IFD10119970117			1	IFP5570_1				
WR557021	365.	IRR319970117	1	2	0.0000		P5570_1	P557015570201		DAVID
MOODY TRUSTEE ET AL		NAVASOTA RIVER						0746450000 BRHE68	10	
WR532931	325.	IRR319901116	1	2	0.0000		P5329_1	P532915329002		PEBBLE
CREEK COUNTRY CLUB INC		CARTERS CRK						0746400000 BRHE68	10	
WSRP5329	16.0	0.5228 0.8206			0					
WR532931	0.	IRR319901116	1	2	0.0000		P5329_2	P532915329002		PEBBLE
CREEK COUNTRY CLUB INC		CARTERS CRK						0746400000 BRHE68	10	
WSRP5329	16.0	0.5228 0.8206			0					
SO		325. 532902								
WR532931	0.0	UNIFO19901116	1	2	0.0000		P5329_3	P532915329002		PEBBLE
CREEK COUNTRY CLUB INC		CARTERS CRK						0746400000 BRHE68	10	
WSRP5329	16.0	0.5228 0.8206			0					
WR538531	140.	D&L319910919	1	2	0.0000		P5385_1	P538515385301		NANTUCKET
LTD		ALUM CRK						0746300000 BRHE68	10	
WSRP5385	140.	0.5228 0.8206			0					
WR508131	0.0	UNIFO19860806	1	2	0.0000		P5081_1	P508115081301		BRAZOS
COAL LIMITED		LICK CRK						0746200000 BRHE68	10	
WSRP5081	26.	0.5228 0.8206			0					
WR508132	0.0	UNIFO19860806	1	2	0.0000		P5081_2	P508115081302		BRAZOS
COAL LIMITED		LICK CRK						0746200000 BRHE68	10	
WSP50811	22.	0.5228 0.8206			0					
WR508133	0.0	UNIFO19860806	1	2	0.0000		P5081_3	P508115081303		BRAZOS
COAL LIMITED		LICK CRK						0746200000 BRHE68	10	
WSP50812	58.	0.5228 0.8206			0					
WR531431	0.0	UNIFO19741021	1	2	0.0000		C5314_1	C531465314301		WELLBORN
OAKS DEVELOPMENT CO		PIN OAK CRK						0746100000 BRHE68	10	
WSRC5314	230.	0.5228 0.8206			0					
WR547331	10.0	IND319931119	1	2	0.0000		P5473_1	P547315473001		TEXAS
MUNICIPAL POWER AGENCY		SULPHUR CRK						0745900000 BRHE68	10	
WSRP5473	6.0	0.5228 0.8206			0					
** Certificate 5307 is authorized only to supplement diversions and storage at Gibbons Creek plant,										
** authorized under Certificate 5311.										
IF531131	362.	UNIFO19770222			1	IFC5311_1				
** Instream flow requirement for C5307 are similar to Hale Clause requirements, but only										
** reference Lake Limestone and do not reference USGS gages.										
IF530701	17022.	IFD10419801215			1	IFC5307_1				
WR531131	9740.	IND319770222	1	2	0.0000		C5311_1	TMPAGIB65311001		TEXAS
MUNICIPAL POWER AGENCY		GIBBONS CRK						0745850000 BRHE68	10	
WSGIBCRK	24094.				0					
**Revision 12/29/05										
WR531131	0.	IND319801215	1	2	0.0000		C5307_1	TMPAGIB65311001		
WSGIBCRK	24094.				0					
SO	1500.	2400. 530701			BACKUP					

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WR531131	0.0	IND319890309	1	2	0.0000			C5311_2	TMPAGIB65311001				TEXAS
MUNICIPAL POWER AGENCY						GIBBONS CRK			0745850000	BRHE68	10		
WSGIBCRK	24094.												
SO						BACKUP							
WR531131	0.	IND319890309	1	2	0.0000			C5307_2	TMPAGIB65311001				TEXAS
MUNICIPAL POWER AGENCY						NAVASOTA RIVER			0747180000	BRHE68	10		
WSGIBCRK	24094.												
SO						BACKUP							
WR530701	18000.	3600. DUMMY1											
TO	6	-1	ADD	0.01				C5307_1					
WRDUMMY1		19890308			1.0000	DUMMY1							
TO	2	1.0							C5307_2A	TMPAGIB			
WR530701	0.	IND319801215	1	2	0.0000								
MUNICIPAL POWER AGENCY						NAVASOTA RIVER							TEXAS
WSRC5307	17.0	0.5228	0.8206						0747180000	BRHE68	10		
WR531231	200.	MIN319820524	1	2	0.0000								
MUNICIPAL POWER AGENCY						BIG BR							TEXAS
WSRC5312	92.0	0.4897	0.7633										
WR545831	100.	IND319930405	1	2	0.0000								
MUNICIPAL POWER AGENCY						PEACH CRK							TEXAS
WSRP5458	253.	0.5228	0.8206										
WR545831	0.0	UNIFO19930405	1	2	0.0000								
MUNICIPAL POWER AGENCY						PEACH CRK							TEXAS
WSRP5458	253.	0.5228	0.8206										
WR505331	0.0	MIN319860403	1	2	0.0000								
MUNICIPAL POWER AGENCY						ROCK LAKE CRK							TEXAS
WSRP5053	5.	0.5228	0.8206										
WR505332	0.0	MIN319860403	1	2	0.0000								
MUNICIPAL POWER AGENCY						ROCK LAKE CRK							TEXAS
WSP50531	955.	0.5228	0.8206										
WR505333	0.0	MIN319860403	1	2	0.0000								
MUNICIPAL POWER AGENCY						ROCK LAKE CRK							TEXAS
WSP50531	955.	0.5228	0.8206										
WR505334	0.0	MIN319860403	1	2	0.0000								
MUNICIPAL POWER AGENCY						ROCK LAKE CRK							TEXAS
WSP50532	1.	0.5228	0.8206										
WR505334	0.0	MIN319860403	1	2	0.0000								
MUNICIPAL POWER AGENCY						ROCK LAKE CRK							TEXAS
WSP50533	13.	0.5228	0.8206										
WR505335	0.0	MIN319860403	1	2	0.0000								
MUNICIPAL POWER AGENCY						ROCK LAKE CRK							TEXAS
WSP50534	440.	0.5228	0.8206										
WR505336	0.0	MIN319860403	1	2	0.0000								
MUNICIPAL POWER AGENCY						ROCK LAKE CRK							TEXAS
WSP50535	5.	0.5228	0.8206										
WR531331	0.0	UNIFO19710809	1	2	0.0000								
MUNICIPAL POWER AGENCY						GIBBONS CRK							TEXAS
WSRC5313	519.	0.5228	0.8206										
WR535431	200.	IND319910401	1	2	0.0000								
MUNICIPAL POWER AGENCY						UNNAMED TRIB							TEXAS
WSRP5354	191.	0.5228	0.8206										
IF556601	35780.	IFD10219970115											
WR556641	250.	IRR319970115	1	2	0.0000								
& MARY THOMPSON & TRUST						NAVASOTA RIVER							STEWART
WSRP5566	7.0	0.2710	0.8958										
SO	66.	250. 556601											
WR556601	0.	IRR319970115	1	2	0.0000								
& MARY THOMPSON & TRUST						NAVASOTA RIVER							STEWART
WR528613	218.	IRR319561231	1	2	0.0000								
ANN FREDE						NAVASOTA RIVER							JOYCE
WR528613	232.	IRR319821220	1	2	0.0000								
ANN FREDE						NAVASOTA RIVER							JOYCE
WR528611	259.	IRR319821220	1	2	0.0000								
ANN FREDE						BRAZOS RIVER							JOYCE
WR528612	258.5	IRR319821220	1	2	0.0000								
BALDOBINO ET UX						BRAZOS RIVER							WILLIE
** HALE CLAUSE													
IFBRHE68	557820.	IFD11119821220	1	1									
WR528512	752.	IRR419821220	1	2	0.0000								
J TERRELL ET AL						BRAZOS RIVER							WILLIAM
** HALE CLAUSE													
IFBRHE68	557820.	IFD11119821220	1	1									
WR401111	905.	IRR419821220	1	2	0.0000								
HARRY MOORE						BRAZOS RIVER							ROBERT
WR401111	498.	IRR419821220	1	2	0.0000								
MOORE KOLBY ET AL						BRAZOS RIVER							MELANIE
** HALE CLAUSE													
**IFBRHE68	557820.	IFD11119821220											
**WR401631	43.	IRR419821220	1	2	0.0000								
J. MOORE FARMS						BRAZOS RIVER							TOM
IFBRHE68	557820.	IFD11119821220	1	1									
WR401611	4450.	IRR419821220	1	1									TOM
J. MOORE FARMS						BRAZOS RIVER							
** FNI change - 1 in cc 34													
IFBRHE68	0	IFD11119821220	1	1									
WRP40161	4450	IRR419821220	1	1									
TO	11	SUB											

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WSRP4016 43.0 0.5228 0.8206 0 0
SO
** FNI change - 1 in cc 34
IFBRHE68 557820. IFD11119821220 1 1 IFP4016_3
** HALE CLAUSE
IFBRHE68 613616. IFD11219840313 1 1 IFP4016_4
**WR401631 990. IRR419840313 1 2 0.0000 P4016_3 P401614016001 TOM
J. MOORE FARMS BRAZOS RIVER 1117700000 PPSA28 11
WR401611 990. IRR419840313 1 2 0.0000 P4016_3 P401614016001 TOM
J. MOORE FARMS BRAZOS RIVER 1117700000 PPSA28 11
WR531531 0.0 UNIFO19720214 1 2 0.0000 C5315_1 C531565315301 NAVASOTA
FISHING CLUB INC BARTLETT 0741610000 BRHE68 11
WSRC5315 170. 0.5228 0.8206 0 0
IFBRHE68 613616. IFD11219900403 1 1 IFP5290_1
WRP52901 250. IRR419900403 1 2 0.0000 P5290_1 P529015290001 TEXAS
DEPT OF CRIMINAL JUSTICE BRAZOS RIVER 0741400000 BRHE68 11
WSRP5290 30.0 0.5228 0.8206 0 0
WR529041 598. IRR419900403 1 2 0.0000 P5290_2 P529015290001 TEXAS
DEPT OF CRIMINAL JUSTICE BRAZOS RIVER 0741400000 BRHE68 11
WSR52901 277. 0.5228 0.8206 0 0
SO 598. 529003
WR561631 0.0 UNIFO19980930 1 2 0.0000 P5616_1 P561615616301 PROTESTANT
EPISCOPAL CHRCH COU BEASON CRK 0740700000 BRHE68 A 11
WSRP5616 730.3 0.5228 0.8206 0 0
WR531634 0.0 UNIFO19800407 1 2 0.0000 C5316_1 C531665316304 CHAPPELL
HILLS INC LTL CEDAR 0738540000 BRHE68 11
WSRC5316 56.0 0.8475 0.6756 0 0
WR531731 0.0 UNIFO19750728 1 2 0.0000 C5317_1 C531765317301 ROLLING
HILLS PROPERTY OWNERS GLADISH 0737980000 BRRI70 11
WSRC5317 39.0 0.8475 0.6756 0 0
WR531831 0.0 UNIFO19760517 1 2 0.0000 C5318_1 C531865318301 G
M BECKER CLEAR CRK 0737970000 BRRI70 11
WSRC5318 324. 0.5228 0.8206 0 0
** HALE CLAUSE
IFBRHE68 557820. IFD11119830418 1 1 IFP4009_1
WRP40091 135.66 IRR419830418 1 2 0.0000 P4009_1 P400914009001 C
H & BETTY JEAN WILLIAMSON BRAZOS RIVER 0737740000 BRRI70 11
** HALE CLAUSE
IFBRR170 554696. IFD11619850806 1 1 IFP4280_1
WR428001 10.0 IND419850806 1 2 0.0000 P4280_1 P428014280001 ACME
BRICK COMPANY BRAZOS RIVER 0734800000 BRRI70 11
**
** ALLENS CREEK
**
** Use dummy water rights to check if diversions can be made under the 2 highest levels of instream
** flow requirements. Return flows diverted by dummy rights to same control point from which diverted
** to preserve mass balance.
** WR/WS/IF/SO/TO Records Changed
**IF 2925A 2604379 MEDIAN19990901 1 1
**WR 2925A 12.0 19990901 1 1 1.0 2925A METEST ALLENS12925001
**IF 2925A 0 MEDIAN19990901 1 1
**
**IF 2925A 1076933 25THPT19990901 1 1
**WR 2925A 12.0 19990901 1 1 1.0 2925A 25TEST ALLENS12925001
**IF 2925A 0 25THPT19990901 1 1
**
** Utilize diversions made by dummy water rights to set the appropriate instream flow
** requirement for median and 25th percentile flows. Since WRAP model protects downstream
** water rights, IF requirement to protect downstream senior rights is unnecessary and is
** commented out.
**MEDIAN IF
**IF 2925D 2604379 MEDIAN19990901 1 1 MEDIAN-REG
**TO 6 LIM 0.1 10.0 METEST
**25TH PERCENTILE IF
**IF 2925C 1076933 25THPT19990901 1 1 25THPT-REG
**TO 6 LIM 0.1 10.0 25TEST
**WATER QUALITY PROTECTION (7Q2) IF
**IF 2925A 531399 7Q219990901 1 1 7Q2-REG
**
-----
**WR292531 99650 MUN419990901 1 1 ALLENS_1 ALLENS12925001 TEXAS
WATER DEVELOPMENT BOARD ALLENS CRK 0724750000 BRRI70
**WSALLENS 145533
**PX 1
** ALLENS CREEK PUMP FROM BRAZOS RIVER
**WR292531 0 MUN419990901 1 1 TESTWR1 ALLENS
**WSALLENS 145533
**SO 130680 202000 292504 BACKUP
**PX 3
** SysOp Change:
** Calculate the total depletion for water right 2925.
**WRSR2925 19990901 Compute Dep 2925 SYSTEM
**TO 6 1.0 ADD ALLENS_1
**PX 4
    
```

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**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to the regulated flow. In the first pass, the regulated flow is the depletion from the reservoir. In the second pass,
** the depletion is limited to the first pass (base run)
**WRSR2925 9999999      19990901      Depletion 2925  SYSTEM
**PX      5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WR292531      19990901      1.0000  2925DP      Lumped Dep 2925  SYSTEM 1simdep
**TO      11      1.0      ADD      Depletion 2925
**PX      2
**
** Special code to output storage from first simulation
**WRAC_dum      19990901      1simACstor      look
**TO      4      SET      ALLENS
**PX      4
**WRAC_dum      9999999  XMONTH19990901      2simACstor      look
**PX      5
** end FNI change
**
*****
IF423204      362.      UNIFO19850409      1      IFP4232_1
WR423231      884.      IRR419850409      1  2  0.0000      P4232_1  P423214232001      TWINWOOD
CORP NV ET AL      BRAZOS RIVER      0724000000  BRRI70      11
WSRP4232      1481.7  0.5228  0.8206      0      0
WR423231      0.0      UNIFO19860411      1  2  0.0000      P4232_2  P423214232001      TWINWOOD
CORP NV ET AL      BRAZOS RIVER      0724000001  BRRI70      11
WSRP4231      1488.8  0.5228  0.8206      0      0
WR531931      117.      IRR419630531      1  2  0.0000      C5319_1  C531965319002      WELDON
S LAAS ETAL      BESSIES      0538000000  BRRI70      11
WSRC5319      41.0    0.4897  0.7633      0      0
** C5320 is used to provide makeup water to Smithers Lake under CA 5325.
** FNI change - added backup from BRA system.
** Max recent historical use 15,671 ac-ft in 2005. Assume 12,000 ac-ft goes to irrigation and not returned
** According to NRG accounting plan, about 3,900 ac-ft goes to Brazos Valley Electric plant from this water right
** rest available for Parish plant. Backup from BRA
** Also according to NRG accounting plan, they assign diversions under this right to the Excess Flows permit if flows at
Richmond > 2,000 cfs
** Since Excess Flows is non-priority, diversions under Excess Flows will be determined externally
**WR532001      12000.  IND419261023      1  1  1.0000  D53251      C5320_1  C532065320001      RICHMOND
IRR HOUSTON LIGHTING & POWER COBRAZOS RIVER      0480000000  BRRI70      11
**WR532001      28000.  IND419261023      1  1  1.0000  D53251      C5320_2  C532065320001      RICHMOND
IRR HOUSTON LIGHTING & POWER COBRAZOS RIVER      0480000000  BRRI70      11
WR532001      12000.  IRR419261023      1  1      C5320_1  C532065320001
WR532001      3900.  IND419261023      1  1      C5320_1bve  C532065320001
WR532001      24100.  IND419261023      1  1  1.0000  D53251      C5320_2  C532065320001
** end FNI change
** HALE CLAUSE
** WR/WS/SO/IF Records added/changed for P5567, SAND SUPPLY INC.
IFBRR170 721379.  IFD11319970109  1  1      IFP5567_1
WR556712      2100.  IND419970109      1  1  0.8800      P5567_1  P556715567102      SAND
SUPPLY INC      BRAZOS RIVER      0478000000  BRRO72      11
WR511031      0.0    UNIFO19861118      1  2  0.0000      P5110_1  P511015110001      FORT
BEND COUNTY LEVEE ID #11      M BAYOU      0477000000  BRRO72      11
WSRP5110      354.  0.8475  0.6756      0      0
** Right is for redirection of flows for flood control. Do not model.
**WR517301      0.0    UNIFO19880316      1  2  0.0000      P5173_1  P517315173001      FORT
BEND COUNTY LEVEE I D #11      MIDDLE BAYOU      0476500000  BRRO72      11
** Storage for off-channel settling ponds not modeled.
** HALE CLAUSE
IFBRR170 553178.  IFD11419960507  1  1      IFP5552_1
WR555211      2300.  MIN419960507      1  1  0.9000      P5552_1  P555215552101      CSB
MATERIALS INC      BRAZOS RIVER      0450000000  BRRO72  B 11
**WSRP5552      11.3  0.5228  0.8206      0      0
** Right is for redirection of flows for flood control. Do not model.
** Changed diversion location to CON155
**WRCON155      3000.  MUN419390201      1  4  R51711  106271      C5171_1  C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000  BRRO72      11
**WRCON155      4500.  MUN419390201      1  4  R51711  104101      C5171_2  C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000  BRRO72      11
**WRCON155      19500.  MUN419390201      1  4  R51711  105685      C5171_3  C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000  BRRO72      11
**WRCON155      33750.  MUN419390201      1  4  R51711  103751      C5171_4  C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000  BRRO72      11
**WRCON155      14250.  MUN419390201      1  4  R51711  101731      C5171_5  C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000  BRRO72      11
**WRCON155      50000.  IRR419501212      1  2  0.0000      C5171_8  C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000  BRRO72      11
** FNI change - common group identifier for GCWA rights
WRCON155      3000.  MUN419390201      1  4  R51711  106271      C5171_1  C5171      gcwa
WRCON155      4500.  MUN419390201      1  4  R51711  104101      C5171_2  C5171      gcwa

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WRCON155	19500.	MUN419390201	1	4	R51711	105685	C5171_3	C5171	gcwa		
WRCON155	33750.	MUN419390201	1	4	R51711	103751	C5171_4	C5171	gcwa		
WRCON155	14250.	MUN419390201	1	4	R51711	101731	C5171_5	C5171	gcwa		
WRCON155	0.0	IND419390201	1	2	0.0000		C5171_6	C517165171002			GULF
COAST WATER AUTHORITY		BRAZOS RIVER						0420000000	BRR072	11	
WRCON155	0.0	MIN419390201	1	2	0.0000		C5171_7	C517165171002			GULF
COAST WATER AUTHORITY		BRAZOS RIVER						0420000000	BRR072	11	
WRCON155	50000.	IRR419501212	1	2	0.0000		C5171_8	C5171	gcwa		
** This right authorizes two off-channel reservoirs (7308 acft from which diversions can be made for multi-uses; 65 acft for emergency fire fighting). The maximum that can be diverted from the Brazos River into these two reservoirs and subsequently used is 99932 acft/yr. Model both reservoirs together as a single combined reservoir because WRAP model does not have the capability to limit cumulative streamflow depletions made by more than one WR record. The reservoir storage has priority dates junior to the Brazos River diversion, but because the reservoirs are refilled by the Brazos River diversion, the priority of the storage is treated as identical to that of the diversion.											
** Changed diversion location to CON155											
**WR516841	1999.	MUN419260115	1	4	R51711	106271	C5168_1	C516865168001			GULF
COAST WATER AUTHORITY		BRAZOS RIVER						0400000000	SJGBC3	11	
WR516841	1999.	MUN419260115	1	4	R51711	106271	C5168_1	C5168	gcwa		
WSRC5168	7373.	0.2710	0.8958	0	0						
SO	1999.	CON155									
WR516841	2998.	MUN419260115	1	4	R51711	104101	C5168_2	C5168	gcwa		GULF
COAST WATER AUTHORITY		BRAZOS RIVER						0400000000	SJGBC3	11	
WSRC5168	7373.	0.2710	0.8958	0	0						
SO	2998.	CON155									
WR516841	12991.	MUN419260115	1	4	R51711	105685	C5168_3	C5168	gcwa		GULF
COAST WATER AUTHORITY		BRAZOS RIVER						0400000000	SJGBC3	11	
WSRC5168	7373.	0.2710	0.8958	0	0						
SO	12991.	CON155									
WR516841	22485.	MUN419260115	1	4	R51711	103751	C5168_4	C5168	gcwa		GULF
COAST WATER AUTHORITY		BRAZOS RIVER						0400000000	SJGBC3	11	
WSRC5168	7373.	0.2710	0.8958	0	0						
SO	22485.	CON155									
WR516841	9493.	MUN419260115	1	4	R51711	101731	C5168_5	C5168	gcwa		GULF
COAST WATER AUTHORITY		BRAZOS RIVER						0400000000	SJGBC3	11	
WSRC5168	7373.	0.2710	0.8958	0	0						
SO	9493.	CON155									
WR516841	49966.	IND419260115	1	2	0.0000		C5168_6	C5168	gcwa		GULF
COAST WATER AUTHORITY		BRAZOS RIVER						0400000000	BRR072	11	
WSRC5168	7373.	0.2710	0.8958	0	0						
SO	49966.	CON155									
WR516841	0.0	IRR419260115	1	2	0.0000		C5168_7	C5168	gcwa		GULF
COAST WATER AUTHORITY		BRAZOS RIVER						0400000000	BRR072	11	
WSRC5168	7373.	0.2710	0.8958	0	0						
SO		CON155									
** end FNI change											
** This right authorizes a 200,000 acft/yr IBT to the San Jacinto-Brazos Coastal Basin from BRA reservoir releases. This is not in addition to those diversions already authorized for the BRA reservoirs. Do not model.											
**WR516701	30000.	MUN4	1	2	0.0000		C5167_1	C516765167001			BRAZOS
RIVER AUTHORITY		BRAZOS RIVER						0395000000	BRR072	11	
**WR516701	170000.	IND4	1	2	0.0000		C5167_2	C516765167001			BRAZOS
RIVER AUTHORITY		BRAZOS RIVER						0395000000	BRR072	11	
** Do not model this right. This ""excess flows"" right essentially eliminates the need for the BRA to release stored water from system reservoirs to lower basin customers, if the flow is available in the river. Leave this right in the model, but with zero annual authorized diversion in order to determine availability of excess flows.											
WR516601	0.0	MUN4	1	2	0.0000		C5166_1	C516665166001			BRAZOS
RIVER AUTHORITY		BRAZOS RIVER						0390000000	BRR072	11	
** Do not model three off-channel reservoirs. Reservoirs are only to be used for buffering purposes to improve pumping efficiency of water diverted from the Brazos River -- there is no right for perpetual impoundment of Brazos River water. Amendments A & B to C5322 state that the reservoirs are authorized to impound water for industrial fish farming purposes; however, the water available for perpetual impoundment is available from sources other than authorized under the certificate.											
** Based upon paragraph (4) of the SPECIAL CONDITIONS, a constant 406 cfs instream flow restriction is to be used for hydrologic analyses in order to protect existing rights. Special condition A.(1) states a 15 cfs or 5 cfs instream flow restriction when diversions will not be injurious to senior downstream rights. The WRAP model protects senior downstream rights, so use the lower instream flow requirement (5/15 cfs).											
** Added municipal use to reflect multiple uses authorized by amendment.											
IFBRR072	6655.	IFD11519290208	1				IFC5322_1				
** FNI change - common GCWA group identifier											
**WR532201	40000.	MUN419290208	1	2	0.0000		C5322_1	C532265322001			CHOCOLATE
BAYOU WATER CO		BRAZOS RIVER						0235000000	BRR072	11	
**WR532201	40000.	MUN419550314	1	2	0.0000		C5322_4	C532265322001			CHOCOLATE
BAYOU WATER CO		BRAZOS RIVER						0235000000	BRR072	11	
**WR532201	75000.	MUN419830725	1	2	0.0000		C5322_6	C532265322001			CHOCOLATE
BAYOU WATER CO		BRAZOS RIVER						0235000000	BRR072	11	
WR532201	40000.	MUN419290208	1	2	0.0000		C5322_1	C5322	gcwa		
WR532201	40000.	MUN419550314	1	2	0.0000		C5322_4	C5322	gcwa		
WR532201	75000.	MUN419830725	1	2	0.0000		C5322_6	C5322	gcwa		
** end FNI change											

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** Water right includes a 550 acft off-channel reservoir. The annual diversion from the Brazos River can either be used directly or stored in the reservoir for subsequent use. Because the reservoir storage is in excess of what can be diverted from the Brazos River, do not model the storage because the reservoir can never be refilled while meeting the irrigation use. Inspection of water use records for this right indicate a fairly uniform diversion pattern for the months it is allowed to divert. Therefore, model this right with an ML record for the months it is allowed to divert from the Brazos River and do not model the reservoir storage.

WR532301	112.	IRR419650330	1	2	0.0000	C5323_1	C532365323001			BEVERLY	
T MCDONALD ETAL BRAZOS RIVER											
ML	410.	370.	410.	0.	0.	0.	0.	0.	410.	397.	410.
**WSRC5323	550.	0.2710	0.8958	0	0						

** Two off-channel reservoirs combined into one. Diversions to replenish evaporative losses limited to effluent discharges from the City of Rosenberg on Seabourne Creek.

WR560641	0.0	UNIFO19980224	1	2	0.0000	P5606_1	P560615606001			CITY
OF ROSENBERG SEABOURNE CRK										
WSP56061	34.9	0.2710	0.8958	0	0		0228000000	BRR072	A	11
SO		18.1	106072							

WR532431	0.0	UNIFO19550711	1	2	0.0000	C5324_1	C532465324301			MARY
ANN CARRICO BIG CRK										
WSRC5324	500.	0.5228	0.8206	0	0		0225000000	BRR072		11

** This right includes the capacity to consumptively use up to 34,300 acft from Smithers Lake. However, only 28,711 acft can be water originating from the Smithers Ck. watershed--the remaining must come from other sources, i.e. purchased from the BRA or diverted under CA 12-5320 into the reservoir. Model diversion from the watershed limited to 28,711 acft, and back up this diversion with additional water from a dummy control point that receives water diverted by CA 12-5320 at an earlier priority.

WR532531	8000.	IND419551216	1	2	0.0000	C5325_1	C532565325001			HOUSTON
L&P CO-PARISH DRY CRK										
WSSMTHRS	17801.				0		0220000000	BRR072		11

WR532531	20711.	IND419781010	1	2	0.0000	C5325_2	C532565325001			HOUSTON
L&P CO-PARISH DRY CRK										
WSSMTHRS	17801.				0		0220000000	BRR072		11
SO										

WR532531	5589.	IND419781010	1	2	0.0000	C5325_3	C532565325001			HOUSTON
L&P CO-PARISH DRY CRK										
WSSMTHRS	17801.				0		0220000000	BRR072		11
SO		D53251	BACKUP							

** Do not model--flood control diversion from tributary that returns downstream to the Brazos River.

**WR511501	0.0	UNIFO19861218	1	2	0.0000	P5115_1	P511515115001			FORT
BEND CO. DRAINAGE DIST. BIG CRK										
WR532631	0.	UNIFO19781211	1	2	0.0000	C5326_1	C532665326001			TEXAS
PARKS & WILDLIFE DEPT BIG CRK										
WSRC5326	854.	0.5228	0.8206	0	0		0213500000	BRR072		11
WR532631	0	UNIFO19781211	1	2		C5326_2	C532665326002			
WSRC5326	854	0.5228	0.8206							
SO		310	532601							

WR532701	746.	IRR419400424	1	2	0.0000	C5327_1	C532765327001			TEXAS
DEPT OF CRIMINAL JUSTICE BRAZOS RIVER										
							0213000000	BRGM73		11

** HALE CLAUSE

IFBRR170	553178.	IFD11419840131	1	1		IFP4105_1				
WR410541	0.	UNIFO19840131	1	2	0.0000	P4105_1	P410514105001			BRAZOS
RIVER CLUB BRAZOS RIVER										
WSRP4105	3400.	0.2710	0.8958	0	0		0189210000	BRGM73		11
SO		1500.	P41051							

WR410541	0.	UNIFO19890915	1	2	0.0000	P4105_2	P410514105001			BRAZOS
RIVER CLUB BRAZOS RIVER										
WSRP4105	3400.	0.2710	0.8958	0	0		0189210000	BRGM73		11
SO		1500.	P41051							

WR536541	0.0	UNIFO19701005	1	2	0.0000	C5365_1	C536565365001			CLT
PROPERTIES INC BRAZOS RIVER unnamed trib of Varner Creek										
WSRC5365	2563.0	0.2710	0.8958				0189150000	BRGM73		11
SO		184.	536501							

WR549231	1800.	IRR419480115	1	2	0.0000	C5492_1	C549265492001			T
L SMITH TRUST ET AL VARNERS CRK										
WSEGLNST	11315.				0		0180000000	BRGM73		11

WR549231	0.0	UNIFO19480115	1	2	0.0000	C5492_2	C549265492001			T
L SMITH TRUST ET AL VARNERS CRK										
WSEGLNST	11315.				0		0180000000	BRGM73		11

WR532941	500.	UNIFO19540607	1	2	0.0000	C5329_1	C532965329001			W C
KELLY JR TRUSTEE BRAZOS RIVER										
WSRC5329	2000.	0.2710	0.8958	0	0		0150000000	BRGM73		11
SO		2000.	532901							

** This right can only divert into the off channel reservoir September 15 through May 15.

WR533041	0.	UNIFO19560730	1	2	0.0000	C5330_1	C533065330001			"TROY
LAKE, INC" BRAZOS RIVER										
WSRC5330	342.	0.2710	0.8958	0	0		0135000000	BRGM73		11
SO		114.	533001							
ML	114.	114.	114.	57.	0.	0.	57.	114.	114.	114.

** This right can transfer all or part of 45000 acft/yr (municipal) into San Jacinto-Brazos Coastal Basin or Brazos-Colorado Coastal Basin from the Brazos River Basin. Because the actual IBT amount is not specified, this IBT is not modeled, except for flows returned to points 105481 and 100441 in the San Jacinto-Brazos Coastal Basin.

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WR536602 11700.	MUN419600404	1	4	R53661	105481	C5366_1	C536665366002			BRAZOSPORT
WATER AUTHORITY	BRAZOS RIVER						0041000000 BRGM73	11		
WR536602 13500.	MUN419600404	1	4	R53661	100471	C5366_2	C536665366002			BRAZOSPORT
WATER AUTHORITY	BRAZOS RIVER						0041000000 BRGM73	11		
WR536602 7650.	MUN419600404	1	4	R53661	108821	C5366_3	C536665366002			BRAZOSPORT
WATER AUTHORITY	BRAZOS RIVER						0041000000 BRGM73	11		
WR536602 12150.	MUN419600404	1	4	R53661	100441	C5366_4	C536665366002			BRAZOSPORT
WATER AUTHORITY	BRAZOS RIVER						0041000000 BRGM73	11		
** The right can divert up to 238,156 acft/yr from the Brazos River to be used directly for										
** municipal, industrial and domestic and livestock purposes. The water diverted from the										
** Brazos River can also be impounded in the off-channel Harris and Brazoria Reservoirs.										
** Water diverted from the Brazos River can be passed through the reservoirs for subsequent use.										
** The certificate language is unclear whether water in excess of the 238,156 acft/yr can be										
** diverted from the Brazos River to maintain storage in Harris and Brazoria Reservoirs.										
** A priority date separate from the Brazos River diversion is provided for impoundment in Brazoria										
** Reservoir with no specification on where the diversion into the off-channel reservoir originates.										
** As the reservoirs are operated essentially as pass-through or temporary holding facilities, model										
** all diversions from the Brazos River as being used directly for the authorized purposes and do										
** not include the storage in Brazoria or Harris Reservoirs in the model.										
** The interbasin transfer of 3,136 acft/yr for municipal use by the City of Freeport from the										
** Brazos to San Jacinto-Brazos Coastal Basin, is returned to the City of Freeport's WWTP dischargin										
** to the Brazos River.										
WR532802 20000.	IND419290228	1	2	0.0000		C5328_1	C532865328002			DOW
CHEMICAL CO	BRAZOS RIVER						0040000000 BRGM73	11		
WR532802 150000.	IND419420214	1	2	0.0000		C5328_2	C532865328002			DOW
CHEMICAL CO	BRAZOS RIVER						0040000000 BRGM73	11		
**WR532841 0.0	MUN419420214	1	2	0.0000		C5328_3	C532865328001			DOW
CHEMICAL CO	BRAZOS RIVER						0040000000 BRGM73	11		
**WSHARRIS 10200.					0					
WR532832 58175.	IND419420214	1	2	0.0000		C5328_4	C532865328003			DOW
CHEMICAL CO.-SEE BRAZOS	Oyster Creek						0040000000 SJGMC4	11		
WSC53281 30.0	0.5228	0.8206			0					
WR532832 1800.	IRR419420214	1	2	0.0000		C5328_5	C532865328003			DOW
CHEMICAL CO	Oyster Creek						0040000000 SJGMC4	B 11		
WSC53281 30.0	0.5228	0.8206			0					
WR532832 25.0	UNIFO19420214	1	2	0.0000		C5328_6	C532865328003			DOW
CHEMICAL CO	Oyster Creek						0040000000 SJGMC4	B 11		
WSC53281 30.0	0.5228	0.8206			0					
WR532831 7500.	MUN419510403	1	2	0.0000		C5328_7	C532865328004			DOW
CHEMICAL CO	Buffalo Camp Bayou						0040000000 BRGM73	11		
WSC53282 600.	0.8475	0.6756			0					
**WR532842 0.0	MUN419510407	1	2	0.0000		C5328_8	C532865328002			DOW
CHEMICAL CO	BRAZOS RIVER						0040000000 BRGM73	11		
**WSBRZRIA 21700.					0					
WR532802 65000.	IND419600404	1	2	0.0000		C5328_9	C532865328002			DOW
CHEMICAL CO	BRAZOS RIVER						0040000000 BRGM73	11		
WR532802 3136.	MUN419760308	1	4	R53661	108821	C5328_10	C532865328002			DOW
CHEMICAL CO	BRAZOS RIVER						0040000000 BRGM73	B 11		
WR532802 20.	D&L419600404	1	2	0.0000		C5328_11	C532865328002			DOW
CHEMICAL CO	BRAZOS RIVER						0040000000 BRGM73	11		
** Changed priority date on mining use. Left IND and MUN commented out.										
WR533201 52000.	MIN420000714	1	2	0.0000		C5332_1	C533265332001			UNITED
STATES DEPT OF ENERGY	BRAZOS RIVER						0020000000 BRGM73	B 11		
**WR533201 135.	IND419790625	1	2	0.0000		C5332_2	C533265332001			UNITED
STATES DEPT OF ENERGY	BRAZOS RIVER						0020000000 BRGM73	11		
**WR533201 3.5	MUN419810427	1	2	0.0000		C5332_3	C533265332001			UNITED
STATES DEPT OF ENERGY	BRAZOS RIVER						0020000000 BRGM73	11		
**										
**										
** Start of San Jacinto-Brazos Coastal Basin										
**										
** Unspecified impoundment for hurricane protection, do not model. Also saline right.										
**WR533301 0.0	UNIFO19710831	1	2	0.0000		C5333_1	C533365333301			VELASCO
DRAINAGE DISTRICT	OLD BRAZOS RIVER						4440000000 SJGMC4	12		
** Saline right, do not model.										
**WR548501 280.	IND419940420	1	2	0.0000		P5485_1	P548515485001			PHILLIPS
PETROLEUM CO	BRAZOS HARBOR						4419000000 SJGMC4	12		
** Saline right, do not model.										
**WR533403 300000.	IND419400506	1	2	1.0000		C5334_1	C533465334003			DOW
CHEMICAL COMPANY	FREEPORT CHANNEL						4410000000 SJGMC4	12		
**WR533403 874000.	IND419420324	1	2	1.0000		C5334_2	C533465334003			DOW
CHEMICAL COMPANY	FREEPORT CHANNEL						4410000000 SJGMC4	12		
**WR533403 400000.	IND419440710	1	2	1.0000		C5334_3	C533465334003			DOW
CHEMICAL COMPANY	FREEPORT CHANNEL						4410000000 SJGMC4	12		
**WR533403 800000.	IND419540223	1	2	1.0000		C5334_4	C533465334003			DOW
CHEMICAL COMPANY	FREEPORT CHANNEL						4410000000 SJGMC4	12		
**WR533403 100000.	IND419570329	1	2	1.0000		C5334_5	C533465334003			DOW
CHEMICAL COMPANY	FREEPORT CHANNEL						4410000000 SJGMC4	12		
**WR533403 155000.	IND419600202	1	2	1.0000		C5334_6	C533465334003			DOW
CHEMICAL COMPANY	FREEPORT CHANNEL						4410000000 SJGMC4	12		
**WR5334031500000.	IND419631205	1	2	1.0000		C5334_7	C533465334003			DOW
CHEMICAL COMPANY	FREEPORT CHANNEL						4410000000 SJGMC4	12		

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**WR533403	80000.	IND419640708	1	2	1.0000					C5334_8	C533465334003								DOW
CHEMICAL COMPANY		FREEPORT CHANNEL		4410000000		SJGMC4		12											
** Multiple reservoirs combined into single reservoir.																			
WR517007	159.27	IND419140627	1	2	0.0000					C5170_1	C517065170007								FORT
BEND COUNTY WCID 1		OYSTER CRK		4365000000		SJGMC4		12											
WR517037	18000.	MUN419480514	1	2	0.0000					C5170_2	C517065170007								FORT
BEND COUNTY WCID 1		OYSTER CRK		4365000000		SJGMC4		12											
WSRC5170	8925.	0.5228	0.8206	0	0														
** Shares reservoir(s) with C5170																			
WR517037	12000.	MUN419480514	1	2	0.0000					C5169_1	C516965170001								GULF
COAST WATER AUTHORITY		OYSTER CRK		4359000000		SJGMC4		12											
WSRC5170	8925.	0.5228	0.8206	0	0														
WR517037	0.0	IND419480514	1	2	0.0000					C5169_2	C516965170001								GULF
COAST WATER AUTHORITY		OYSTER CRK		4359000000		SJGMC4		12											
WSRC5170	8925.	0.5228	0.8206	0	0														
WR517037	0.0	IRR419480514	1	2	0.0000					C5169_3	C516965170001								GULF
COAST WATER AUTHORITY		OYSTER CRK		4359000000		SJGMC4		12											
WSRC5170	8925.	0.5228	0.8206	0	0														
WR533601	100.	IRR419561105	1	2	0.0000					C5336_1	C533665336001								"THE
LAKES, LIMITED"		OYSTER CRK		4357100000		SJGMC4		12											
WR533642	0.	UNIFO19561105	1	2	0.0000					C5336_2	C533665336001								"THE
LAKES, LIMITED"		OYSTER CRK		4357100000		SJGMC4		12											
WSRC5336	442.	0.2710	0.8958	0	0														
SO		442 533601																	
WR533531	1316.	IRR419561105	1	2	0.0000					C5335_1	C533565335001								"LARRY
J SCHULGEN, TRUSTEE"		OYSTER CRK		4357000000		SJGMC4		D 12											
WSRC5335	379.	0.5228	0.8206	0	0														
WR5365P1	0.0	UNIFO19910621	1	2	0.0000					P5365_1	P536515365001								"MISSOURI
CITY, CITY OF"		OYSTER CRK		4355000000		SJGMC4		12											
WSRP5365	120.	0.5228	0.8206	0	0														
WR533741	0.0	UNIFO19530610	1	2	0.0000					C5337_1	C533765337401								"FORT
BEND COUNTY, TEXAS"		NONE		4350000000		SJGMC4		12											
WSRC5337	1600.	0.2710	0.8958	0	0														
WR533811	200.	IRR419400424	1	2	0.0000					C5338_1	C533865338101								TEXAS
DEPT OF CRIMINAL JUSTICE		OYSTER CRK		4315000000		SJGMC4		12											
IF533811	46624.	UNIFO19850919	1							IFC5338_1									
WR533841	100.	IRR419850919	1	2	0.0000					C5338_2	C533865338101								TEXAS
DEPT OF CRIMINAL JUSTICE		OYSTER CRK		4315000000		SJGMC4		12											
WSRC5338	89.6	0.2710	0.8958	0	0														
SO		100. 533811																	
WR537931	0.0	UNIFO19910830	1	2	0.0000					P5379_1	P537915379301								LAKE
JACKSON ASSOCIATION		OYSTER CRK		4311000000		SJGMC4		12											
WSRP5379	380.	0.5228	0.8206	0	0														
** Saline impoundment, not modeled.																			
**WR533931	0.0	UNIFO19800616	1	2	0.0000					C5339_1	C533965339301								U
S FISH & WILDLIFE SERVICE		SALT CRK		4290000000		SJGMC4		12											
**WSRC5339	750.	0.5228	0.8206	0	0														
WR502041	0.0	UNIFO19851001	1	2	0.0000					P5020_1	P502014020001								RALPH
SHUMAN		BASTROP BAYOU		4273000000		SJGMC4		12											
WSRP5020	42.53	0.5228	0.8206	0	0														
SO		30. 502001																	
WR534241	400.	IRR419140629	1	2	0.0000					C5342_1	C534265342001								E C
STOKLEY TRUSTEE		BASTROP BAYOU		4268000000		SJGMC4		12											
WR534241	0.0	IRR419551010	1	2	0.0000					C5342_2	C534265342001								E C
STOKLEY TRUSTEE		BASTROP BAYOU		4268000000		SJGMC4		12											
WSRC5342	440.	0.2710	0.8958	0	0														
WR534111	600.	IRR419140630	1	2	0.0000					C5341_1	C534165341101								TOM
TIGNER TRUST		BASTROP BAYOU		4267500000		SJGMC4		12											
IF534401	4713.	IFD12119840508	1							IFP4201_1									
WR420102	2000.	IRR419840508	1	2	0.0000					P4201_1	P420114201002								GARRETT
RANCH INC		AUSTIN BAYOU		4260100000		SJGMC4		12											
WR534442	1482.	IRR419361231	1	2	0.0000					C5344_1	C534465344001								MRS W
M GARRETT		AUSTIN BAYOU		4258000000		SJGMC4		12											
WSRC5344	414.	0.8475	0.6756	0	0														
SO		1482. 534401																	
** Diversion into off-channel reservoir is limited to 175 acft total during the months April through																			
** August. Monthly diversion limited to 8.9 cfs (529 acft/mo) during rest of the year. Maximum annual diversion into																			
** off-channel reservoir limited to 425 acft/yr.																			
IFP40101	9795.	IFD12219850103	1							IFP4221_1									
WR422141	225.	IRR419850103	1	2	0.0000					P4221_1	P422114221001								ANNA
KOLANCY		AUSTIN BAYOU		4256010000		SJGMC4		12											
WSRP4221	251.	0.2710	0.8958	0	0														
SO		425. P42211																	
ML	529.	529.	35.	35.	35.	35.	529.	529.	529.	529.									
WR422141	0.	IND419850103	1	2	0.0000					P4221_2	P422114221001								ANNA
KOLANCY		AUSTIN BAYOU		4256010000		SJGMC4		12											
WSRP4221	251.	0.2710	0.8958	0	0														
WR401041	0.	IRR419830418	1	2	0.0000					P4010_1	P401014010001								J V 3
INC		AUSTIN BAYOU		4254000000		SJGMC4		12											
WSRP4010	72.65	0.2710	0.8958	0	0														
WRP40101	360.	IRR419830418	1	2	0.0000					P4010_2	P401014010001								J
V 3 INC		AUSTIN BAYOU		4254000000		SJGMC4		12											
** Annual authorized diversion (1003 acft/yr) into reservoirs proportioned on SO records according to reservoir storage.																			

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WR536001	160.	IRR419620415	1	2	0.0000	C5360_1	C536065360001		JAMES
SCOPEL							4010400000	SJGMC4	12
** Combined three off-channel reservoirs into a single reservoir which impounds at 1966 priority									
** date in conjunction with 17,000 acft/yr diversion at 1966 priority date. All other portions of right									
** modeled as run-of-river diversions to avoid cumulative diversions greater than allowed, which would									
** occur if reservoir storage was also refilled by these rights.									
**WR535701	1500.	IRR419270803	1	2	0.0000	C5357_1	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WR535701	5000.	IRR419370921	1	2	0.0000	C5357_2	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WR535703	4000.	IRR419401015	1	2	0.0000	C5357_3	C535765357003		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WR535701	2000.	IRR419410409	1	2	0.0000	C5357_4	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WR535702	2000.	IRR419420331	1	2	0.0000	C5357_5	C535765357002		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WR535741	17000.	IRR419660314	1	2	0.0000	C5357_6	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WSRC5357	8951.	0.2710	0.8958	0	0				
**SO		17000.	535701						
**WR535701	15000.	IND419761115	1	2	0.0000	C5357_7	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WR535702	11000.	IND419761115	1	2	0.0000	C5357_8	C535765357002		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**Moved diversion location to new confluence point (CON251) for greater flow availability.									
**Under amendment, water can be used for multiple uses (MUN, IRR, IND, REC).									
WRCON251	1500.	MUN419270803	1	2	0.0000	C5357_1	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WRCON251	5000.	MUN419370921	1	2	0.0000	C5357_2	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WR535703	4000.	MUN419401015	1	2	0.0000	C5357_3	C535765357003		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WRCON251	2000.	MUN419410409	1	2	0.0000	C5357_4	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WR535702	2000.	MUN419420331	1	2	0.0000	C5357_5	C535765357002		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WR535741	17000.	MUN419660314	1	2	0.0000	C5357_6	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WSRC5357	8951.	0.2710	0.8958	0	0				
SO		17000.	CON251						
WRCON251	15000.	MUN419761115	1	2	0.0000	C5357_7	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WR535702	11000.	MUN419761115	1	2	0.0000	C5357_8	C535765357002		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WRCON251	0.	IND419270803	1	2	0.0000	C5357_9	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WRCON251	0.	IRR419270803	1	2	0.0000	C5357_10	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WRCON251	0.	UNIFO19270803	1	2	0.0000	C5357_11	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
** Saline, cooling right that diverts from Galveston Bay, do not model.									
**WR536101	107970.	IND419701130	1	2	0.9990	C5361_1	C536165361001		STERLING
CHEMICALS INC		GALVESTON BAY					3500000000	SJGMC4	12
WR557441	0.	UNIFO19970128	1	2	0.0000	P5574_1	P557415574001		LSF
DEVELOPMENT CORP		DICKINSON BAYOU					3450000000	SJGBC3	12
WSRP5574	198.	0.2710	0.8958	0	0				
SO		116.5	557401						
WR536201	46.0	IRR419810928	1	2	0.0000	C5362_1	C536265362001		CHAPARRAL
RECREATION ASSOC		DICKINSON					3401000000	SJGBC3	12
WR536231	0.0	UNIFO19810928	1	2	0.0000	C5362_2	C536265362001		CHAPARRAL
RECREATION ASSOC		DICKINSON					3401000000	SJGBC3	12
WSRC5362	15.0	0.8475	0.6756	0	0				
** Do not model. It is only a flood diversion right.									
**WR517801	0.0	UNIFO19880429	1	2	0.0000	P5178_1	P517815178001		CITY
OF LEAGUE CITY		BENSON BAYOU					3400500000	SJGBC3	12
** Saline, Cooling right with unlimited diversion, 30000 consumptive. Do not Model									
**WR536301	30000.	IND419640811	1	2	0.0000	C5363_1	C536365363001		HOUSTON
L&P-ROBINSON PLANT		DICKINSON					3400000000	SJGBC3	12
IF536402	724.0	UNIFO19910628	1			IFP5369_1			
WR536941	0.	UNIFO19910628	1	2	0.0000	P5369_1	P53699999		HARRIS
COUNTY		CLEAR CRK					3360000000	SJGBC3	12
WSRP5369	89.0	0.2710	0.8958	0	0				
SO		130.	536901						
WR536401	968.	IRR419431231	1	2	0.0000	C5364_1	C536465364001		ROBERT
L ALEXANDER & MARTHA A CROUCH		CLEAR CRK					3309800000	SJGBC3	12
WR518331	0.0	UNIFO19880610	1	2	0.0000	P5183_1	P518315183001		HARRIS
COUNTY (PRECINCT ONE)		CLEAR CRK					3301000000	SJGBC3	12
WSRP5183	30.0	0.5228	0.8206	0	0				
SO		12.0	518301						
** Saline Right. Do not Model									
**WR535001	4440.	IND419650407	1	2	0.0000	C5350_1	C535065350001		HOUSTON
L&P-WEBSTER		CLEAR CRK					3300000000	SJGBC3	12
** Right is authorized to divert only wastewater from League City WWTP (PNUM 10568-005).									

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```

**WR540001 491. IRR419920219 1 2 0.0000 P5400_1 P540015400001 SOUTH
SHORE HARBOUR DEV LTD CLEAR CRK 3290000000 SJGBC3 A 12
**SO 105685
**WR540046 0. UNIFO19920219 1 2 0.0000 P5400_2 P540015400001 SOUTH
SHORE HARBOUR DEV LTD CLEAR CRK 3290000000 SJGBC3 A 12
**WSRPF5400 91.69 0.2710 0.8958 0 0
**SO 48. 105685
IF523001 1448.0 UNIFO19890502 1 IFF5230_1
WR523041 150. IRR419890502 1 2 0.0000 P5230_1 P523015230001 BAYWOOD
COUNTRY CLUB ARMAND BAYOU 2100000000 SJGBC3 12
WSRPF5230 6.0 0.2710 0.8958 0 0
SO 150. 523001
** Saline impoundment for recreation. Do not model.
**WR559141 0.0 UNIFO19970616 1 2 0.0000 P5591_1 P559115591001 KIRBY
LAKE DEVELOPMENT LTD TAYLOR LAKE ON TAYLOR BAYOU 1900000000 SJGBC3 A 12
**WSRPF5591 50.4 0.2710 0.8958 0 0
**SO 32.2 559101
**WR559101 10.7 UNIFO19970616 1 2 0.0000 P5591_2 P559115591001 KIRBY
LAKE DEVELOPMENT LTD TAYLOR LAKE ON TAYLOR BAYOU 1900000000 SJGBC3 A 12
**
** FNI change - System Operation
**
**** ----- BEGIN SYSTEM OPERATION -----
**** This set of water right are execute only during the second dual simulation (system operation run)
**** Modeling at a priority of 03/01/2012 to preserve prior appropriation relative to 30 TAC 298 environmental flow standards
**** Refill reservoirs with BRA water.
**WR515531 0. 20120301 C5155_RF1_2 SYSTEM
**WSPOSDOM 522047. 0
**SO 5155DP
**PX 2
**WR515631 0. 20120301 C5156_RF1_2 SYSTEM
**WSGRNBRY 118568. 0
**SO 5156DP
**WR515731 0. 20120301 C5157_RF1_2 SYSTEM
**WSBRAWHT 50000. 0 1
**SO 5157DP
**PX 2
**WR515831 0.0 20120301 C5158_RF1_2 SYSTEM
**WSAQUILA 31575. 0
**SO 5158DP
**PX 2
**WR515931 0. 20120301 C5159_RF1_2 SYSTEM
**WSPRCTOR 45424. 0
**SO 5159DP
**PX 2
**WR516031 0.0 20120301 C5160_RF1_2 SYSTEM
**WSBRABEL 402151. 0 3
**SO 5160DP
**PX 2
**WR516131 0. 20120301 C5161_RF1_2 SYSTEM
**WSSLHSE 223336. 0
**SO 5161DP
**PX 2
**WR516231 0. 20120301 C5162_RF1_2 SYSTEM
**WSGRGTWN 36934. 0
**SO 5162DP
**PX 2
**WR516331 0. 20120301 C5163_RF1_2 SYSTEM
**WSGRNGER 43158. 0
**SO 5163DP
**PX 2
**WR516431 0.0 20120301 C5164_RF1_2 SYSTEM
**WSSMRVLE 128311. 0
**SO 5164DP
**PX 2
**WR516531 0.0 20120301 C5165_RF1_2 SYSTEM
**WSLMSTNE 128311. 0
**SO 5165DP
**PX 2
****WR292531 0.0 20120301 ALLENS_RF1_2 SYSTEM
****WSALLENS 128311. 0
****SO 2925DP
****PX 2
****
**** FNI change - Lakeside diversions
**** Lakeside
**WR515531 6809. MUN220120301 1 2 0.0000 PSMT2_LS_MUN C5155 PK_LS
**WSPOSDOM 522047. 0
**SO 5155DP
**PX 2
****
**WR515531 65447. IND220120301 1 2 0.0000 PSMT2_LS_IND C5155 PK_LS
****WR515531 38000. IND220120301 1 2 0.0000 PSMT2_LS_IND C5155 PK_LS
**WSPOSDOM 522047. 0

```

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```

**SO                5155DP
**PX      2
****
**WR515531    500.    IRR220120301  1  2  0.0000          PSMT2_LS_IRR  C5155  PK_LS
**WSPOSDOM 522047.
**SO                5155DP
**PX      2
****
**WR515531    1410.  MIN220120301  1  2  0.0000          PSMT2_LS_MIN  C5155  PK_LS
**WSPOSDOM 522047.
**SO                5155DP
**PX      2
****
**** placeholder for upstream contracts
**** Removed and included subordinations upstream of PK
****WR515531      0.    20120301  1  2  0.0000          PSMT2_US      C5155  PK_LS
****WR515531  14400.  20120301  1  2  0.0000          PSMT2_US      C5155  PK_LS
****WSPOSDOM 522047.
****SO                5155DP
****PX      2
****
**** Lake Proctor
**** FNI change - contracts modeling
****
**WR515931    6437.  MUN220120301  1  2  0.0000          PCTT2_LS_MUN  C5159  PR_LS
**WSPRCTOR  45424.
**SO                5159DP
**PX      2
****
**WR515931    6652.  IRR220120301  1  2  0.0000          PCTT2_LS_IRR  C5159  PR_LS
**WSPRCTOR  45424.
**SO                5159DP
**PX      2
****
**** Lake Granbury
**** Type 3 rights so no depletions
****
**WR515631    34597.  MUN220120301  3  2  0.0000          GBYT2_LS_MUN  C5156  GB_LS
**WSGRNTRY  118568.
**OR515631    46500  1.0    1.0    0    0    0
**WSPOSDOM 522047.
**OR515531    218922  1.0    1.0    0    0    0
**PX      2
****
****WR515631    50000.  IND220120301  3  2  0.0000          GBYT2_LS_IND  C5156  GB_LS
**WR515631    7000.  IND220120301  3  2  0.0000          GBYT2_LS_IND  C5156  GB_LS
**WSGRNTRY  118568.
**OR515631    46500  1.0    1.0    0    0    0
**WSPOSDOM 522047.
**OR515531    218922  1.0    1.0    0    0    0
**PX      2
****
**** Existing comanche Peak contract - assume no spills from Squaw Creek for contracts modeling
**WR515631    43000.  IND220120301  3  2  0.0000          GBYT2_LS_LUM  C5156  GB_LS
**WSGRNTRY  118568.
**OR515631    46500  1.0    1.0    0    0    0
**WSPOSDOM 522047.
**OR515531    218922  1.0    1.0    0    0    0
**PX      2
****
**** Comanche Peak expansion
****WR515631    90152.  IND220120301  3  2  0.0000          GBYT2_LS_CPNPP C5156  GB_LS
****WR515631    90152.  IND220120301  3  20.402931 515631  GBYT2_LS_CPNPP C5156  GB_LS
**WR515631      0.    IND220120301  3  20.402931 515631  GBYT2_LS_CPNPP C5156  GB_LS
**WSGRNTRY  118568.
**OR515631    46500  1.0    1.0    0    0    0
**WSPOSDOM 522047.
**OR515531    218922  1.0    1.0    0    0    0
**PX      2
****
**WR515631    4760.  IRR220120301  3  2  0.0000          GBYT2_LS_IRR  C5156  GB_LS
**WSGRNTRY  118568.
**OR515631    46500  1.0    1.0    0    0    0
**WSPOSDOM 522047.
**OR515531    218922  1.0    1.0    0    0    0
**PX      2
****
**WR515631     44.  MIN220120301  3  2  0.0000          GBYT2_LS_MIN  C5156  GB_LS
**WSGRNTRY  118568.
**OR515631    46500  1.0    1.0    0    0    0
**WSPOSDOM 522047.
**OR515531    218922  1.0    1.0    0    0    0
**PX      2
****
****WR515631                20120301  1  2  0.0000          GBYT2_LS_FILL2 C5156  GB_LS

```

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```

**WSGRNBRY 118568.          0
**SO          5156DP
**PX          2
****
**** Lake Whitney
****
**WR515731 11260.    MUN220120301  3  2  0.0000          WTYT2_LS_MUN  C5157  WH_LS
**WSBRAWHT 50000.          0          1
****OR515731 0          2.0    1.0    0    0    0
****WSGRNBRY 118568.          0
****OR515631 46500    1.0    -1    0    0    0
****WSPOSDOM 522047.          0
****OR515531 218922    0.5    1.0    0    0    0
**PX          2
****
**WR515731 1000.    IRR220120301  3  2  0.0000          WTYT2_LS_IRR  C5157  WH_LS
**WSBRAWHT 50000.          0          1
**OR515731 0          2.0    1.0    0    0    0
**WSGRNBRY 118568.          0
**OR515631 46500    1.0    -1    0    0    0
**WSPOSDOM 522047.          0
**OR515531 218922    0.5    1.0    0    0    0
**BU          WTYT2_LS_MUN
**PX          2
**** refill
**WR515731 0          20120301  1  2  0.0000          WTYT2_LS_FILL  C5157  WH_LS
**WSBRAWHT 50000.          0          1
**SO          5157DP
**PX          2
****
**** Lake Aquilla
****
**WR515831 11403.    MUN220120301  1  2  0.0000          ALAT2_LS_MUN  C5158  AQ_LS
**WSAQUILA 31575.          0
**SO          5158DP
**PX          2
****
**WR515831 0.    IRR220120301  1  2  0.0000          ALAT2_LS_IRR  C5158  AQ_LS
**WSAQUILA 31575.          0
**SO          5158DP
**PX          2
**** System, just lakeside for now
****WR515831 0.    MUN220120301  1  2  0.0000          ALAT2_SYS_MUN  C5158  AQ_LS
****WSAQUILA 31575.          0
****SO          5158DP
****PX          2
****
**** BRA's portion of Lake Belton
**** Lakeside municipal
****
**WR516031 60062.    MUN220120301  1  2  0.0000          BLNT2_LS_MUN  C5160  BE_LS
**WSBRABEL 402151.          5          3          -1
**SO          5160DP
**PX          2
**** Put in a small Type 3 right for using Proctor
**** different depending on drought ops
**WR516031 16000.    MUN220120301  3  2  0.0000          BLNT2_LS_MUN2  C5160  BE_LS
**WSBRABEL 402151.          0          3          -1
**OR516031          1000
**WSPRCTOR 45424.          1000
**OR515931
**TO          13          MUL          use_drop1
****SO          5160DP
****BU          BLNT2_ls_mun
**PX          2
****
**WR516031 16000.    MUN220120301  3  2  0.0000          BLNT2_LS_MUN3  C5160  BE_LS
**WSBRABEL 402151.          0          3          -1
**OR516031          10000
**WSPRCTOR 45424.          10000
**OR515931
**TO          13          MUL          use_drop2
**PX          2
****
**WR516031 0.    IRR220120301  1  2  0.0000          BLNT2_LS_IRR  C5160  BE_LS
**WSBRABEL 402151.          0          3          -1
**SO          5160DP
**PX          2
**** Remainder of Temple contract - assume lakeside
**** set to zero in firm yield scenario
**WR516031 0.    MUN220120301  1  2  0.0000          BLNT2_LS_TEMPLE2  C5160  BE_LS
**WSBRABEL 402151.          0          3          -1
**SO          5160DP
**PX          2

```

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```

****
****
**** Lake Stillhouse Hollow
****
**** lakeside
****
**** System demand shared with Belton
**** Use Stillhouse until minimum level hit, then bring over water with pipeline
****
**WR516131 8000. 20120301 1 2 0.0000 BLNTSTIT_SYS_MUN C5161 BESH_LS
**WSSTLHSE 223336. 200000
**SO 5161DP
**PX 2
****
**WR516031 20120301 1 2 0.0000 BLNTSTIT_SYS_BU C5160 BESH_LS
**WSBRABEL 402151. 30000 3 -1
**BU BLNTSTIT_SYS_MUN
**SO 5160DP
**PX 2
****
**** Subtract out portion of demand that has already been met by pipeline modeling
****
**WR516131 39155. MUN320120301 1 2 0.0000 STIT2_LS_MUN C5161 SH_LS
**WSSTLHSE 223336. 0
**SO 5161DP
**TO 11 1.0 SUB BLNTSTIT_SYS_MUN CONT
**TO 11 1.0 SUB BLNTSTIT_SYS_BU
**PX 2
****
**WR516131 0. IND320120301 1 2 0.0000 STIT2_LS_IND C5161 SH_LS
**WSSTLHSE 223336. 0
**SO 5161DP
**PX 2
****
**WR516131 100. IRR320120301 1 2 0.0000 STIT2_LS_IRR C5161 SH_LS
**WSSTLHSE 223336. 0
**SO 5161DP
**PX 2
****
**** Lake Georgetown
**** minimum elevation 699 is below estimated minimum elevation in 2025
****
****
**** Stillhouse to Georgetown pipeline - drought index based on Georgetown, max 5000 ac-ft/month (60,000 ac-ft/yr) in 2025
**** Minimum operating level 559.5 = 22404
**** assuming improvements that allow operation below current minimum
****
**** Using alternative method of modeling pipeline to facilitate tracking by source
**** instead of storing water in Lake Georgetown before diverting, model as a demand
**** that swings between sources. This is equivalent to fully diverting all of the water
**** brought over by the pipeline
****
**** Granger first
****
**WR516331 17000. 20120301 1 1 0.0000 GGLTGLKT_SYS_MUN C5163 GTGN_LS
**WSGRNGER 43158. 20000
**SO 5163DP
**PX 2
**** Then take from Georgetown
**WR516231 20120301 1 1 0.0000 GGLTGLKT_SYS_BU C5163 GTGN_LS
**WSGRGTWN 36934. 30000
**BU GGLTGLKT_SYS_MUN
**SO 5162DP
**PX 2
****
**** Shared demand with Stillhouse (Stillhouse-Georgetown pipeline)
**WR516231 26000. PIPE20120301 1 2 0.0000 GGLTSTIT_SYS_MUN C5162 GTSH_LS
**WSGRGTWN 36934. 31841
**BU GGLTGLKT_SYS_BU
**SO 5162DP
**PX 2
****
**WR516131 20120301 1 2 0.0000 GGLTSTIT_SYS_BU C5161 GTSH_LS
**WSSTLHSE 223336. 3500
**BU GGLTSTIT_SYS_MUN
**SO 5161DP
**PX 2
****
****WR516331 20120301 1 1 0.0000 GGLTGLKT_SYS_BU C5163 GTGN_LS
****WSGRNGER 43158. 8000
****WSGRNGER 43158. 12000
****BU GGLTGLKT_SYS_MUN
****SO 5163DP
****PX 2

```


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```

****
****   REDUCE DEMAND BY 22,000 AC-FT OF GROUNDWATER
****   Subtract out portion of demand that has already been met by pipeline modeling
****
**WR516231  52561.  MUN320120301  1  2  0.0000          GGLT2_LS_MUN  C5162  GT_LS
**WSGRGTWN  36934.          0
**SO          5162DP
**TO  11  1.0  SUB          GGLTSTIT_SYS_MUN  CONT
**TO  11  1.0  SUB          GGLTSTIT_SYS_BU  CONT
**TO  11  1.0  SUB          GGLTGLKT_SYS_MUN  CONT
**TO  11  1.0  SUB          GGLTGLKT_SYS_BU
**PX  2
****
**WR516231  0.  IRR320120301  1  2  0.0000          GGLT2_LS_IRR  C5161  GT_LS
**WSGRGTWN  36934.          0
**SO          5162DP
**PX  2
****
****   Lake Granger
****
**WR516331  13000.  MUN320120301  1  1  0.0000          GLKT2_LS_MUN  C5163  GN_LS
**WSGRNGER  43158.          0
**SO          5163DP
**PX  2
****
****          0
**WR516331  15.  IRR320120301  1  2  0.0000          GLKT2_LS_IRR  C5163  GN_LS
**WSGRNGER  43158.          0
**SO          5163DP
**PX  2
****
****   Lake Somerville
****   minimum elevation 210 feet is 0 ac-ft storage in 2025
**WR516431  4200.  MUN320120301  1  2  0.0000          SOMT2_LS_MUN  C5164  SO_LS
**WSSMRVLE  128311.          0
**SO          5164DP
**PX  2
****
****   Limestone
****
**WR516531  200.  MUN320120301  1  2  0.0000          LLST2_LS_MUN  C5165  LS_LS
**WSLMSTNE  175882.          0
**SO          5165DP
**PX  2
****
**WR516531  50675.  IND320120301  1  2  0.0000          LLST2_LS_IND  C5165  LS_LS
**WSLMSTNE  175882.          0
**SO          5165DP
**PX  2
****
**WR516531  0.  MIN320120301  1  2  0.0000          LLST2_LS_MIN  C5165  LS_LS
**WSLMSTNE  175882.          0
**SO          5165DP
**PX  2
****
****   Add another fill
**WR515531  0.  20120301          C5155_RF2_2  SYSTEM
**WSPOSDOM  522047.          0
**SO          5155DP
**PX  2
**WR515631  0.  20120301          C5156_RF2_2  SYSTEM
**WSGRNBRY  118568.          0
**SO          5156DP
**WR515731  0.  20120301          C5157_RF2_2  SYSTEM
**WSBRAWHT  50000.          1
**SO          5157DP
**PX  2
**WR515831  0.0  20120301          C5158_RF2_2  SYSTEM
**WSAQUILA  31575.          0
**SO          5158DP
**PX  2
**WR515931  0.  20120301          C5159_RF2_2  SYSTEM
**WSPRCTOR  45424.          0
**SO          5159DP
**PX  2
**WR516031  0.0  20120301          C5160_RF2_2  SYSTEM
**WSBRABEL  402151.          0          3
**SO          5160DP
**PX  2
**WR516131  0.  20120301          C5161_RF2_2  SYSTEM
**WSSLHSE  223336.          0
**SO          5161DP

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```

**PX      2
**WR516231      0.      20120301      C5162_RF2_2  SYSTEM
**WSGRGTWN 36934.      5162DP      0
**SO
**PX      2
**WR516331      0.      20120301      C5163_RF2_2  SYSTEM
**WSGRNGER 43158.      5163DP      0
**SO
**PX      2
**WR516431      0.0     20120301      C5164_RF2_2  SYSTEM
**WSSMRVLE 128311.     5164DP      0
**SO
**PX      2
**WR516531      0.0     20120301      C5165_RF2_2  SYSTEM
**WSLMSTNE 175882.     5165DP      0
**SO
**PX      2
****WR292531      0.0     20120301      ALLENS_RF2_2  SYSTEM
****WSALLENS 145533.     2925DP      0
****SO
****PX      2
**** Return flow from dummy control points.
**WR5155DP      20120301      1.0000 515531      C5155_DPRETQ  SYSTEM
**TO      2
**PX      2
**WR5156DP      20120301      1.0000 515631      C5156_DPRETQ  SYSTEM
**TO      2
**PX      2
**WR5157DP      20120301      1.0000 515731      C5157_DPRETQ  SYSTEM
**TO      2
**PX      2
**WR5158DP      20120301      1.0000 515831      C5158_DPRETQ  SYSTEM
**TO      2
**PX      2
**WR5159DP      20120301      1.0000 515931      C5159_DPRETQ  SYSTEM
**TO      2
**PX      2
**WR5160DP      20120301      1.0000 516031      C5160_DPRETQ  SYSTEM
**TO      2
**PX      2
**WR5161DP      20120301      1.0000 516131      C5161_DPRETQ  SYSTEM
**TO      2
**PX      2
**WR5162DP      20120301      1.0000 516231      C5162_DPRETQ  SYSTEM
**TO      2
**PX      2
**WR5163DP      20120301      1.0000 516331      C5163_DPRETQ  SYSTEM
**TO      2
**PX      2
**WR5164DP      20120301      1.0000 516431      C5164_DPRETQ  SYSTEM
**TO      2
**PX      2
**WR5165DP      20120301      1.0000 516531      C5165_DPRETQ  SYSTEM
**TO      2
**PX      2
****WR2925DP      20120301      1.0000 292531      ALLENS_DPRETQ  SYSTEM
****TO      2
****PX      2
****
** Eflows
**
**Double Mountain Fork Near Aspermont
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMDMAS      20120301      DMRLDMAS  SB3DUM
TO      2      ADD      DMAS09
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE01      XMONTH20120301      BF--DM-DP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      DMDFND
PX      2
WRFAKE01      XMONTH20120301      BF--DM-DP2
TO      6      ADD      BF--DM-DP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFAKE01      723  DM-DRY20120301      BF--DM-DP3
TO      6      MUL      BF--DM-DP2
PX      2
*****Avg Days*****

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```

WRFK01      XMONTH20120301      BF--DM-AP1
TO 2      ADD      DAYSPY      CONT
TO 2      SUB      DMAPND
PX 2
WRFK01      XMONTH20120301      BF--DM-AP2
TO 6      ADD      BF--DM-AP1      CONT
TO 2      DIV      DAYSPY
PX 2
WRFK01      2164  DM-AVG20120301      BF--DM-AP3
TO 6      MUL      BF--DM-AP2
PX 2
*****WET Days*****
WRFK01      XMONTH20120301      BF--DM-WP1
TO 2      ADD      DAYSPY      CONT
TO 2      SUB      DMWFND
PX 2
WRFK01      XMONTH20120301      BF--DM-WP2
TO 6      ADD      BF--DM-WP1      CONT
TO 2      DIV      DAYSPY
PX 2
WRFK01      7209  DM-WET20120301      BF--DM-WP3
TO 6      MUL      BF--DM-WP2
PX 2
*****set subsistence flow*****
IFDMSUBS    723  DM-SUB20120301      DM-SUB1
TO 16      MUL      UP-DRY
PX 2
*****SET DRY BASE FLOW, *****
IFDM-DRY    723  DM-DRY20120301      DM-DRY1
TO 16      MUL      UP-DRY
PX 2
WRDMNOSB    1  XMONTH20120301      DMNOSUB2
FS 12  UP-DRY    0  1  1 9999999  1
PX 2
WRFKDM11    20120301      HOLDDMBASE
TO 13      ADD      DM-DRY1
PX 2
WRFKDM12    20120301      DMONOFF
TO 2      ADD      DMAS09      CONT
TO 6      DIV      HOLDDMBASE      CONT
TO 6      ADD      DMNOSUB2
PX 2
IFDM-DRY    20120301      DM-DRY2
TO 13      ADD      DM-DRY1
FS 5  FKDM12    1  0  1 9999999  1
PX 2
IFDMSUBS    DM-SUB20120301  2  DM-SUB2
TO 2      ADD      DMAS09      CONT
TO 13     SUB      DM-SUB1      CONT
TO 2      DIV      HALF      CONT
TO 13     ADD      DM-SUB1
FS 5  FKDM12    0  1  1 9999999  1
PX 2
IFDM-DRY    20120301      DM-DRY3
TO 13      ADD      DM-SUB2      CONT
TO 13     MAX      DM-DRY2
PX 2
*****SET      AVG      BASE      FLOW,      APPLY      WET/AVG/DRY      CONTDITION      VIA      DI
RECORD*****
IFDM-AVG    2164  DM-AVG20120301      DM-AVG
TO 16      MUL      UP-AVG
PX 2
*****SET      WET      BASE      FLOW,      APPLY      WET/AVG/DRY      CONTDITION      VIA      DI
RECORD*****
IFDM-WET    7209  DM-WET20120301      DM-WET
TO 16      MUL      UP-WET
PX 2
*****
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKDM01    1270  XMONTH20120301      FKDMDFLSP1
TO 6      ADD      BF--DM-DP3
PX 2
WRFKDM02    XMONTH20120301      DMDFSPRTRG
TO 2      ADD      DMAS09      CONT
TO 6      DIV      FKDMDFLSP1
PX 2
**
WRFKDM01    990  XMONTH20120301      FKDMDFLSP1
TO 6      ADD      BF--DM-DP3
PX 2
**
WRFKDM03    XMONTH20120301      DMDFSUMTRG
TO 2      ADD      DMAS09      CONT
    
```

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```

TO      6          DIV          FKDMDPULS1
PX      2
***** AVG *****
WRFKDM04 1270 XMONTH20120301          FKDMAPLSP1
TO      6          ADD          BF--DM-AP3
PX      2
WRFKDM05          XMONTH20120301          DMAPSPRTRG
TO      2          ADD          DMAS09          CONT
TO      6          DIV          FKDMAPLSP1
PX      2
**
WRFKDM04  990 XMONTH20120301          FKDMAPLSP1
TO      6          ADD          BF--DM-AP3
PX      2
**
WRFKDM06          XMONTH20120301          DMAPSUMTRG
TO      2          ADD          DMAS09          CONT
TO      6          DIV          FKDMAPLSP1
PX      2
**
***** WET *****
WRFKDM07 2600 XMONTH20120301          FKDMWPLSP1
TO      6          ADD          BF--DM-WP3
PX      2
WRFKDM08          XMONTH20120301          DMWPSRTRG
TO      2          ADD          DMAS09          CONT
TO      6          DIV          FKDMWPLSP1
PX      2
**
WRFKDM07 2160 XMONTH20120301          FKDMWPULS1
TO      6          ADD          BF--DM-WP3
PX      2
**
WRFKDM09          XMONTH20120301          DMWPSUMTRG
TO      2          ADD          DMAS09          CONT
TO      6          DIV          FKDMWPULS1
PX      2
**

```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

```

***** DRY *****
IFDMDPUL 1270 XMONTH20120301          DMDPLSP1
TO      6          ADD          BF--DM-DP3
FS      5 FKDM02  1  0  1 9999999 2 1 1 4 3 6
PX      2
IFDMDPUL 1270 XMONTH20120301  3          DMDPLSP2
TO      6          ADD          BF--DM-DP3
FS      5 FKDM02  1  0  1 9999999 2 1 1 0 3 6
PX      2
IFDMDPUL  990 XMONTH20120301          DMDPULS1
TO      6          ADD          BF--DM-DP3
FS      5 FKDM03  1  0  1 9999999 2 1 1 4 7 10
PX      2
IFDMDPUL  990 XMONTH20120301  3          DMDPULS2
TO      6          ADD          BF--DM-DP3
FS      5 FKDM03  1  0  1 9999999 2 1 1 0 7 10
PX      2
***** AVG *****
IFDMAFUL 1270 XMONTH20120301          DMAPLSP1
TO      6          ADD          BF--DM-AP3
FS      5 FKDM05  1  0  1 9999999 2 1 2 4 3 6
PX      2
IFDMAFUL 1270 XMONTH20120301  3          DMAPLSP2
TO      6          ADD          BF--DM-AP3
FS      5 FKDM05  1  0  1 9999999 2 1 2 0 3 6
PX      2
IFDMAFUL  990 XMONTH20120301          DMAPULS1
TO      6          ADD          BF--DM-AP3
FS      5 FKDM06  1  0  1 9999999 2 1 2 4 7 10
PX      2
IFDMAFUL  990 XMONTH20120301  3          DMAPULS2
TO      6          ADD          BF--DM-AP3
FS      5 FKDM06  1  0  1 9999999 2 1 2 0 7 10
PX      2
***** WET *****
IFDMWPUL 2600 XMONTH20120301          DMWPLSP1
TO      6          ADD          BF--DM-WP3
FS      5 FKDM08  1  0  1 9999999 2 1 1 4 3 6
PX      2
IFDMWPUL 2600 XMONTH20120301  3          DMWPLSP2
TO      6          ADD          BF--DM-WP3
FS      5 FKDM08  1  0  1 9999999 2 1 1 0 3 6
PX      2
IFDMWPUL 2160 XMONTH20120301          DMWPULS1
TO      6          ADD          BF--DM-WP3

```

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```

FS      5  FKDM09      1      0      1 9999999  2  1  1  4  7  10
PX      2
IFDMWPUL 2160  XMONTH20120301  3      DMWPULS2
TO      6      ADD      BF--DM-WP3
FS      5  FKDM09      1      0      1 9999999  2  1  1  0  7  10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFDMDFUL 20120301      DMDPFIN
TO      13      ADD      DMDPLSP2  CONT
TO      13      ADD      DMDPULS2  CONT
TO      16      MUL      UP-DRY
PX      2
***** AVG *****
IFDMAPUL 20120301      DMAPFIN
TO      13      ADD      DMAPLSP2  CONT
TO      13      ADD      DMAPULS2  CONT
TO      16      MUL      UP-AVG
PX      2
***** WET *****
IFDMWPUL 20120301      DMWPFIN
TO      13      ADD      DMWPLSP2  CONT
TO      13      ADD      DMWPULS2  CONT
TO      16      MUL      UP-WET
PX      2
** SALT FORK NEAR ASPERMONT
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMSFAS 20120301      DMRLSFAS  SB3DUM
TO      2      ADD      SFAS06
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake02  XMONTH20120301      BF--SF-DP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      SFDEND
PX      2
WRFake02  XMONTH20120301      BF--SF-DP2
TO      6      ADD      BF--SF-DP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFake02  723  SF-DRY20120301      BF--SF-DP3
TO      6      MUL      BF--SF-DP2
PX      2
*****Avg Days*****
WRFake02  XMONTH20120301      BF--SF-AP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      SFAPND
PX      2
WRFake02  XMONTH20120301      BF--SF-AP2
TO      6      ADD      BF--SF-AP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFake02  1679 SF-AVG20120301      BF--SF-AP3
TO      6      MUL      BF--SF-AP2
PX      2
*****WET Days*****
WRFake02  XMONTH20120301      BF--SF-WP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      SFWEND
PX      2
WRFake02  XMONTH20120301      BF--SF-WP2
TO      6      ADD      BF--SF-WP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFake02  4081 SF-WET20120301      BF--SF-WP3
TO      6      MUL      BF--SF-WP2
PX      2
*****set subsistence flow*****
IFSFSUBS  723  SF-SUB20120301      SF-SUB1
TO      16      MUL      UP-DRY
PX      2
*****SET DRY BASE FLOW, *****
IFSFD-DRY  723  SF-DRY20120301      SF-DRY1
TO      16      MUL      UP-DRY
PX      2
WRSFNOSB  1  XMONTH20120301      SFNOSUB2
FS      12  UP-DRY      0      1      1 9999999  1
PX      2
WRFKSF11  20120301      HOLDSFBASE
    
```

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```

TO 13 ADD SF-DRY1
PX 2
WRFKSF12 20120301 SFONOFF
TO 2 ADD SFAS06 CONT
TO 6 DIV HOLDSFBASE CONT
TO 6 ADD SFNOSUB2
PX 2
IFSF-DRY 20120301 SF-DRY2
TO 13 ADD SF-DRY1
FS 5 FKSF12 1 0 1 9999999 1
PX 2
IFSFSUBS SF-SUB20120301 2 SF-SUB2
TO 2 ADD SFAS06 CONT
TO 13 SUB SF-SUB1 CONT
TO 2 DIV HALF CONT
TO 13 ADD SF-SUB1
FS 5 FKSF12 0 1 1 9999999 1
PX 2
IFSF-DRY 20120301 SF-DRY3
TO 13 ADD SF-SUB2 CONT
TO 13 MAX SF-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFSF-AVG 1679 SF-AVG20120301 SF-AVG
TO 16 MUL UP-AVG
PX 2
*****SET WET BASE FLOW, *****
IFSF-WET 4081 SF-WET20120301 SF-WET
TO 16 MUL UP-WET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKSF01 720 XMONTH20120301 FKSFDP1SP1
TO 6 ADD BF--SF-DP3
PX 2
WRFKSF02 XMONTH20120301 SFDPSRTRG
TO 2 ADD SFAS06 CONT
TO 6 DIV FKSFDP1SP1
PX 2
**
WRFKSF01 560 XMONTH20120301 FKSFDPULS1
TO 6 ADD BF--SF-DP3
PX 2
**
WRFKSF03 XMONTH20120301 SFDPSUMTRG
TO 2 ADD SFAS06 CONT
TO 6 DIV FKSFDPULS1
PX 2
***** AVG *****
WRFKSF04 720 XMONTH20120301 FKSFAP1SP1
TO 6 ADD BF--SF-AP3
PX 2
WRFKSF05 XMONTH20120301 SFAPSRTRG
TO 2 ADD SFAS06 CONT
TO 6 DIV FKSFAP1SP1
PX 2
**
WRFKSF04 560 XMONTH20120301 FKSFAPULS1
TO 6 ADD BF--SF-AP3
PX 2
**
WRFKSF06 XMONTH20120301 SFAPSUMTRG
TO 2 ADD SFAS06 CONT
TO 6 DIV FKSFAPULS1
PX 2
**
***** WET *****
WRFKSF07 1350 XMONTH20120301 FKSFWP1SP1
TO 6 ADD BF--SF-WP3
PX 2
WRFKSF08 XMONTH20120301 SFWPSRTRG
TO 2 ADD SFAS06 CONT
TO 6 DIV FKSFWP1SP1
PX 2
**
WRFKSF07 1090 XMONTH20120301 FKSFWPULS1
TO 6 ADD BF--SF-WP3
PX 2
**
WRFKSF09 XMONTH20120301 SFWPSUMTRG
TO 2 ADD SFAS06 CONT
TO 6 DIV FKSFWPULS1
PX 2

```

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```

**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFSFPUL 720 XMONTH20120301 SFDPLSP1
TO 6 ADD BF--SF-DP3
FS 5 FKSF02 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFSFPUL 720 XMONTH20120301 3 SFDPLSP2
TO 6 ADD BF--SF-DP3
FS 5 FKSF02 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFSFPUL 560 XMONTH20120301 SFDPLSP1
TO 6 ADD BF--SF-DP3
FS 5 FKSF03 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFSFPUL 560 XMONTH20120301 3 SFDPLSP2
TO 6 ADD BF--SF-DP3
FS 5 FKSF03 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** AVG *****
IFSFPUL 720 XMONTH20120301 SFAPLSP1
TO 6 ADD BF--SF-AP3
FS 5 FKSF05 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFSFPUL 720 XMONTH20120301 3 SFAPLSP2
TO 6 ADD BF--SF-AP3
FS 5 FKSF05 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFSFPUL 560 XMONTH20120301 SFAPLSP1
TO 6 ADD BF--SF-AP3
FS 5 FKSF06 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFSFPUL 560 XMONTH20120301 3 SFAPLSP2
TO 6 ADD BF--SF-AP3
FS 5 FKSF06 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** WET *****
IFSFPUL 1350 XMONTH20120301 SFWPLSP1
TO 6 ADD BF--SF-WP3
FS 5 FKSF08 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFSFPUL 1350 XMONTH20120301 3 SFWPLSP2
TO 6 ADD BF--SF-WP3
FS 5 FKSF08 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFSFPUL 1090 XMONTH20120301 SFWPULS1
TO 6 ADD BF--SF-WP3
FS 5 FKSF09 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFSFPUL 1090 XMONTH20120301 3 SFWPULS2
TO 6 ADD BF--SF-WP3
FS 5 FKSF09 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFSFPUL 20120301 SFDPFIN
TO 13 ADD SFDPLSP2 CONT
TO 13 ADD SFDPLSP2 CONT
TO 16 MUL UP-DRY
PX 2
***** AVG *****
IFSFPUL 20120301 SFAPFIN
TO 13 ADD SFAPLSP2 CONT
TO 13 ADD SFAPLSP2 CONT
TO 16 MUL UP-AVG
PX 2
***** WET *****
IFSFPUL 20120301 SFWPFIN
TO 13 ADD SFWPLSP2 CONT
TO 13 ADD SFWPLSP2 CONT
TO 16 MUL UP-WET
PX 2
**
**BRAZOS RIVER AT SEYMOUR
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMRSE 20120301 DMRLRSE SB3DUM
TO 2 ADD BRSE11
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****

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```

WRFKSM03      XMONTH20120301      BF--SM-DP1
TO 2          ADD                      DAYSPY      CONT
TO 2          SUB                      SMDPND
PX 2
WRFKSM03      XMONTH20120301      BF--SM-DP2
TO 6          ADD                      BF--SM-DP1  CONT
TO 2          DIV                      DAYSPY
PX 2
WRFKSM03      5046 SM-DRY20120301      BF--SM-DP3
TO 6          MUL                      BF--SM-DP2
PX 2
*****Avg Days*****
WRFKSM03      XMONTH20120301      BF--SM-AP1
TO 2          ADD                      DAYSPY      CONT
TO 2          SUB                      SMAFND
PX 2
WRFKSM03      XMONTH20120301      BF--SM-AP2
TO 6          ADD                      BF--SM-AP1  CONT
TO 2          DIV                      DAYSPY
PX 2
WRFKSM03      13708 SM-AVG20120301      BF--SM-AP3
TO 6          MUL                      BF--SM-AP2
PX 2
*****WET Days*****
WRFKSM03      XMONTH20120301      BF--SM-WP1
TO 2          ADD                      DAYSPY      CONT
TO 2          SUB                      SMWFND
PX 2
WRFKSM03      XMONTH20120301      BF--SM-WP2
TO 6          ADD                      BF--SM-WP1  CONT
TO 2          DIV                      DAYSPY
PX 2
WRFKSM03      27200 SM-WET20120301      BF--SM-WP3
TO 6          MUL                      BF--SM-WP2
PX 2
*****set subsistence flow*****
IFSMSUBS      723 SM-SUB20120301      SM-SUB1
TO 16         MUL                      UP-DRY
PX 2
*****SET DRY BASE FLOW, *****
IFSMDRY      5046 SM-DRY20120301      SM-DRY1
TO 16         MUL                      UP-DRY
PX 2
WRSMNOSB      1 XMONTH20120301      SMNOSUB2
FS 12 UP-DRY  0 1 1 9999999 1
PX 2
WRFKSM11      20120301      HOLDSMBASE
TO 13         ADD                      SM-DRY1
PX 2
WRFKSM12      20120301      SMONOFF
TO 2          ADD                      BRSE11      CONT
TO 6          DIV                      HOLDSMBASE  CONT
TO 6          ADD                      SMNOSUB2
PX 2
IFSMDRY      20120301      SM-DRY2
TO 13         ADD                      SM-DRY1
FS 5          FKSM12 1 0 1 9999999 1
PX 2
IFSMSUBS      SM-SUB20120301 2      SM-SUB2
TO 2          ADD                      BRSE11      CONT
TO 13         SUB                      SM-SUB1      CONT
TO 2          DIV                      HALF        CONT
TO 13         ADD                      SM-SUB1
FS 5          FKSM12 0 1 1 9999999 1
PX 2
IFSMDRY      20120301      SM-DRY3
TO 13         ADD                      SM-SUB2      CONT
TO 13         MAX                      SM-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFSMAVG      13708 SM-AVG20120301      SM-AVG
TO 16         MUL                      UP-AVG
PX 2
*****SET WET BASE FLOW, *****
IFSMTWET      27200 SM-WET20120301      SM-WET
TO 16         MUL                      UP-WET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKSM01      2960 XMONTH20120301      FKSMPLSP1
TO 6          ADD                      BF--SM-DP3
PX 2
WRFKSM02      XMONTH20120301      SMDPSRTRG
    
```


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```

TO      2      ADD      BRSE11      CONT
TO      6      DIV      FKSM DPLSP1
PX      2
**
WRFKSM01  1870  XMONTH20120301      FKSM D PULS1
TO      6      ADD      BF--SM-DP3
PX      2
**
WRFKSM03      XMONTH20120301      SMD P SUMTRG
TO      2      ADD      BRSE11      CONT
TO      6      DIV      FKSM D PULS1
PX      2
***** AVG *****
WRFKSM04  2960  XMONTH20120301      FKSM A P LSP1
TO      6      ADD      BF--SM-AP3
PX      2
WRFKSM05      XMONTH20120301      SM A P S P RTRG
TO      2      ADD      BRSE11      CONT
TO      6      DIV      FKSM A P LSP1
PX      2
**
WRFKSM04  1870  XMONTH20120301      FKSM A P LSP1
TO      6      ADD      BF--SM-AP3
PX      2
**
WRFKSM06      XMONTH20120301      SM A P S P RTRG
TO      2      ADD      BRSE11      CONT
TO      6      DIV      FKSM A P LSP1
PX      2
**
***** WET *****
WRFKSM07  5870  XMONTH20120301      FKSM W P LSP1
TO      6      ADD      BF--SM-WP3
PX      2
WRFKSM08      XMONTH20120301      SM W P S P RTRG
TO      2      ADD      BRSE11      CONT
TO      6      DIV      FKSM W P LSP1
PX      2
**
WRFKSM07  4290  XMONTH20120301      FKSM W P LSP1
TO      6      ADD      BF--SM-WP3
PX      2
**
WRFKSM09      XMONTH20120301      SM W P S P RTRG
TO      2      ADD      BRSE11      CONT
TO      6      DIV      FKSM W P LSP1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFSMDPUL  2960  XMONTH20120301      SMD P LSP1
TO      6      ADD      BF--SM-DP3
FS      5  FKSM02      1      0      1 9999999  2  1  1  4  3  6
PX      2
IFSMDPUL  2960  XMONTH20120301  3      SMD P LSP2
TO      6      ADD      BF--SM-DP3
FS      5  FKSM02      1      0      1 9999999  2  1  1  0  3  6
PX      2
IFSMDPUL  1870  XMONTH20120301      SMD P LSP1
TO      6      ADD      BF--SM-DP3
FS      5  FKSM03      1      0      1 9999999  2  1  1  4  7  10
PX      2
IFSMDPUL  1870  XMONTH20120301  3      SMD P LSP2
TO      6      ADD      BF--SM-DP3
FS      5  FKSM03      1      0      1 9999999  2  1  1  0  7  10
PX      2
***** AVG *****
IFSMA PUL  2960  XMONTH20120301      S M A P L S P 1
TO      6      ADD      BF--SM-AP3
FS      5  FKSM05      1      0      1 9999999  2  1  2  4  3  6
PX      2
IFSMA PUL  2960  XMONTH20120301  3      S M A P L S P 2
TO      6      ADD      BF--SM-AP3
FS      5  FKSM05      1      0      1 9999999  2  1  2  0  3  6
PX      2
IFSMA PUL  1870  XMONTH20120301      S M A P L S P 1
TO      6      ADD      BF--SM-AP3
FS      5  FKSM06      1      0      1 9999999  2  1  2  4  7  10
PX      2
IFSMA PUL  1870  XMONTH20120301  3      S M A P L S P 2
TO      6      ADD      BF--SM-AP3
FS      5  FKSM06      1      0      1 9999999  2  1  2  0  7  10
PX      2
***** WET *****

```

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```

IFSMWPUL 5870 XMONTH20120301 SMWPLSP1
TO 6 ADD BF--SM-WP3
FS 5 FKSM08 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFSMWPUL 5870 XMONTH20120301 3 SMWPLSP2
TO 6 ADD BF--SM-WP3
FS 5 FKSM08 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFSMWPUL 4290 XMONTH20120301 SMWPULS1
TO 6 ADD BF--SM-WP3
FS 5 FKSM09 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFSMWPUL 4290 XMONTH20120301 3 SMWPULS2
TO 6 ADD BF--SM-WP3
FS 5 FKSM09 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFSMDFUL 20120301 SMDPFIN
TO 13 ADD SMDPLSP2 CONT
TO 13 ADD SMDPULS2 CONT
TO 16 MUL UP-DRY
PX 2
***** AVG *****
IFSMAPUL 20120301 SMAPFIN
TO 13 ADD SMAPLSP2 CONT
TO 13 ADD SMAPULS2 CONT
TO 16 MUL UP-AVG
PX 2
***** WET *****
IFSMWPUL 20120301 SMWPFIN
TO 13 ADD SMWPLSP2 CONT
TO 13 ADD SMWPULS2 CONT
TO 16 MUL UP-WET
PX 2
**
** CLEAR FORK AT NUGENT
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMCFNU 20120301 DMRLCFNU SB3DUM
TO 2 ADD CFNU16
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake04 XMONTH20120301 BF--NU-DP1
TO 2 ADD DAYSPY CONT
TO 2 SUB NUFPND
PX 2
WRFake04 XMONTH20120301 BF--NU-DP2
TO 6 ADD BF--NU-DP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake04 2159 NU-DRY20120301 BF--NU-DP3
TO 6 MUL BF--NU-DP2
PX 2
*****Avg Days*****
WRFake04 XMONTH20120301 BF--NU-AP1
TO 2 ADD DAYSPY CONT
TO 2 SUB NUAPND
PX 2
WRFake04 XMONTH20120301 BF--NU-AP2
TO 6 ADD BF--NU-AP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake04 4328 NU-AVG20120301 BF--NU-AP3
TO 6 MUL BF--NU-AP2
PX 2
*****WET Days*****
WRFake04 XMONTH20120301 BF--NU-WP1
TO 2 ADD DAYSPY CONT
TO 2 SUB NUWFPND
PX 2
WRFake04 XMONTH20120301 BF--NU-WP2
TO 6 ADD BF--NU-WP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake04 8186 NU-WET20120301 BF--NU-WP3
TO 6 MUL BF--NU-WP2
PX 2
*****set subsistence flow*****
IFNUSUBS 723 NU-SUB20120301 NU-SUB1

```

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



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```

TO 16 MUL UP-DRY
PX 2
*****SET DRY BASE FLOW, *****
IFNU-DRY 2159 NU-DRY20120301 NU-DRY1
TO 16 MUL UP-DRY
PX 2
WRNUNOSB 1 XMONTH20120301 NUNOSUB2
FS 12 UP-DRY 0 1 1 9999999 1
PX 2
WRFKNU01 20120301 HOLDNUBASE
TO 13 ADD NU-DRY1
PX 2
WRFKNU02 20120301 NUONOFF
TO 2 ADD CFNU16 CONT
TO 6 DIV HOLDNUBASE CONT
TO 6 ADD NUNOSUB2
PX 2
IFNU-DRY 20120301 NU-DRY2
TO 13 ADD NU-DRY1
FS 5 FKNU02 1 0 1 9999999 1
PX 2
IFNUSUBS NU-SUB20120301 2 NU-SUB2
TO 2 ADD CFNU16 CONT
TO 13 SUB NU-SUB1 CONT
TO 2 DIV HALF CONT
TO 13 ADD NU-SUB1
FS 5 FKNU02 0 1 1 9999999 1
PX 2
IFNU-DRY 20120301 NU-DRY3
TO 13 ADD NU-SUB2 CONT
TO 13 MAX NU-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFNU-AVG 4328 NU-AVG20120301 NU-AVG
TO 16 MUL UP-AVG
PX 2
*****SET WET BASE FLOW, *****
IFNU-WET 8186 NU-WET20120301 NU-WET
TO 16 MUL UP-WET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKNU02 860 XMONTH20120301 FKNUDP1SP1
TO 6 ADD BF--NU-DP3
PX 2
WRFKNU03 XMONTH20120301 NUDPSPRTRG
TO 2 ADD CFNU16 CONT
TO 6 DIV FKNUDP1SP1
PX 2
**
WRFKNU02 460 XMONTH20120301 FKNUDPULS1
TO 6 ADD BF--NU-DP3
PX 2
**
WRFKNU04 XMONTH20120301 NUDPSUMTRG
TO 2 ADD CFNU16 CONT
TO 6 DIV FKNUDPULS1
PX 2
***** AVG *****
WRFKNU05 860 XMONTH20120301 FKNUAP1SP1
TO 6 ADD BF--NU-AP3
PX 2
WRFKNU06 XMONTH20120301 NUAPSPRTRG
TO 2 ADD CFNU16 CONT
TO 6 DIV FKNUAP1SP1
PX 2
**
WRFKNU05 460 XMONTH20120301 FKNUAPULS1
TO 6 ADD BF--NU-AP3
PX 2
**
WRFKNU07 XMONTH20120301 NUAPSUMTRG
TO 2 ADD CFNU16 CONT
TO 6 DIV FKNUAPULS1
PX 2
**
***** WET *****
WRFKNU08 160 XMONTH20120301 FKNUWPULW1
TO 6 ADD BF--NU-WP3
PX 2
WRFKNU09 XMONTH20120301 NUWPWIRTRG
TO 2 ADD CFNU16 CONT
TO 6 DIV FKNUWPULW1
    
```

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```

PX      2
**
WRFKNU08  2800  XMONTH20120301          FKNUWPLSP1
TO      6          ADD                      BF--NU-WP3
PX      2
WRFKNU10          XMONTH20120301          NUWPSRTRG
TO      2          ADD                      CFNU16          CONT
TO      6          DIV                      FKNUWPLSP1
PX      2
**
WRFKNU08  1890  XMONTH20120301          FKNUWPULS1
TO      6          ADD                      BF--NU-WP3
PX      2
**
WRFKNU11          XMONTH20120301          NUWPSUMTRG
TO      2          ADD                      CFNU16          CONT
TO      6          DIV                      FKNUWPULS1
PX      2
**
    
```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

```

***** DRY *****
IFNUDPUL  860  XMONTH20120301          NUDPLSP1
TO      6          ADD                      BF--NU-DP3
FS      5  FKNU03      1      0      1 9999999  2  1  1  4  3  6
PX      2
IFNUDPUL  860  XMONTH20120301  3          NUDPLSP2
TO      6          ADD                      BF--NU-DP3
FS      5  FKNU03      1      0      1 9999999  2  1  1  0  3  6
PX      2
IFNUDPUL  460  XMONTH20120301          NUDPULS1
TO      6          ADD                      BF--NU-DP3
FS      5  FKNU04      1      0      1 9999999  2  1  1  4  7  10
PX      2
IFNUDPUL  460  XMONTH20120301  3          NUDPULS2
TO      6          ADD                      BF--NU-DP3
FS      5  FKNU04      1      0      1 9999999  2  1  1  0  7  10
PX      2
***** AVG *****
IFNUAPUL  860  XMONTH20120301          NUAPLSP1
TO      6          ADD                      BF--NU-AP3
FS      5  FKNU06      1      0      1 9999999  2  1  2  4  3  6
PX      2
IFNUAPUL  860  XMONTH20120301  3          NUAPLSP2
TO      6          ADD                      BF--NU-AP3
FS      5  FKNU06      1      0      1 9999999  2  1  2  0  3  6
PX      2
IFNUAPUL  460  XMONTH20120301          NUAPULS1
TO      6          ADD                      BF--NU-AP3
FS      5  FKNU07      1      0      1 9999999  2  1  2  4  7  10
PX      2
IFNUAPUL  460  XMONTH20120301  3          NUAPULS2
TO      6          ADD                      BF--NU-AP3
FS      5  FKNU07      1      0      1 9999999  2  1  2  0  7  10
PX      2
***** WET *****
IFNUWPUL  160  XMONTH20120301          NUWPULW1
TO      6          ADD                      BF--NU-WP3
FS      5  FKNU09      1      0      1 9999999  2  1  1  4  11  2
PX      2
IFNUWPUL  160  XMONTH20120301  3          NUWPULW2
TO      6          ADD                      BF--NU-WP3
FS      5  FKNU09      1      0      1 9999999  2  1  1  0  11  2
PX      2
IFNUWPUL  2800  XMONTH20120301          NUWPLSP1
TO      6          ADD                      BF--NU-WP3
FS      5  FKNU10      1      0      1 9999999  2  1  1  4  3  6
PX      2
IFNUWPUL  2800  XMONTH20120301  3          NUWPLSP2
TO      6          ADD                      BF--NU-WP3
FS      5  FKNU10      1      0      1 9999999  2  1  1  0  3  6
PX      2
IFNUWPUL  1890  XMONTH20120301          NUWPULS1
TO      6          ADD                      BF--NU-WP3
FS      5  FKNU11      1      0      1 9999999  2  1  1  4  7  10
PX      2
IFNUWPUL  1890  XMONTH20120301  3          NUWPULS2
TO      6          ADD                      BF--NU-WP3
FS      5  FKNU11      1      0      1 9999999  2  1  1  0  7  10
PX      2
    
```

```

***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFNUDPUL          20120301          NUDPFIN
TO      13          ADD                      NUPLSP2          CONT
TO      13          ADD                      NUDPULS2          CONT
    
```

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```

TO 16 MUL UP-DRY
PX 2
***** AVG *****
IFNUAPUL 20120301 NUAPFIN
TO 13 ADD NUAPLSP2 CONT
TO 13 ADD NUAPULS2 CONT
TO 16 MUL UP-AVG
PX 2
***** WET *****
IFNUWPUL 20120301 NUWPFIN
TO 13 ADD NUWPULW2 CONT
TO 13 ADD NUWPLSP2 CONT
TO 13 ADD NUWPULS2 CONT
TO 16 MUL UP-WET
PX 2
**
** CLEAR FORK AT LUEDERS
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMCFLU 20120301 DMRLCFLU SB3DUM
TO 2 ADD 417431
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFKAKE05 XMONTH20120301 BF--LU-DP1
TO 2 ADD DAYSPY CONT
TO 2 SUB LUDFND
PX 2
WRFKAKE05 XMONTH20120301 BF--LU-DP2
TO 6 ADD BF--LU-DP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFKAKE05 2876 LU-DRY20120301 BF--LU-DP3
TO 6 MUL BF--LU-DP2
PX 2
*****Avg Days*****
WRFKAKE05 XMONTH20120301 BF--LU-AP1
TO 2 ADD DAYSPY CONT
TO 2 SUB LUAFND
PX 2
WRFKAKE05 XMONTH20120301 BF--LU-AP2
TO 6 ADD BF--LU-AP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFKAKE05 5290 LU-AVG20120301 BF--LU-AP3
TO 6 MUL BF--LU-AP2
PX 2
*****WET Days*****
WRFKAKE05 XMONTH20120301 BF--LU-WP1
TO 2 ADD DAYSPY CONT
TO 2 SUB LUWFND
PX 2
WRFKAKE05 XMONTH20120301 BF--LU-WP2
TO 6 ADD BF--LU-WP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFKAKE05 10112 LU-WET20120301 BF--LU-WP3
TO 6 MUL BF--LU-WP2
PX 2
*****set subsistence flow*****
IFLUSUBS 723 LU-SUB20120301 LU-SUB1
TO 16 MUL UP-DRY
PX 2
*****SET DRY BASE FLOW, *****
IFLU-DRY 2876 LU-DRY20120301 LU-DRY1
TO 16 MUL UP-DRY
PX 2
WRLUNOSB 1 XMONTH20120301 LUNOSUB2
FS 12 UP-DRY 0 1 1 9999999 1
PX 2
WRFKLU01 20120301 HOLDLUBASE
TO 13 ADD LU-DRY1
PX 2
WRFKLU02 20120301 LUONOFF
TO 2 ADD 417431 CONT
TO 6 DIV HOLDLUBASE CONT
TO 6 ADD LUNOSUB2
PX 2
IFLU-DRY 20120301 LU-DRY2
TO 13 ADD LU-DRY1
FS 5 FKL02 1 0 1 9999999 1
    
```

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```

PX      2
IFLUSUBS      LU-SUB20120301      2      LU-SUB2
TO      2      ADD      417431
TO      13     SUB      LU-SUB1      CONT
TO      2      DIV      HALF      CONT
TO      13     ADD      LU-SUB1
FS      5      FKL002      0      1      1 9999999 1
PX      2
IFLU-DRY      20120301      LU-DRY3
TO      13     ADD      LU-SUB2      CONT
TO      13     MAX      LU-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFLU-AVG      5290      LU-AVG20120301      LU-AVG
TO      16     MUL      UP-AVG
PX      2
*****SET WET BASE FLOW, *****
IFLU-WET      10112      LU-WET20120301      LU-WET
TO      16     MUL      UP-WET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKLU02      74      XMONTH20120301      FKLUDPLSP1
TO      6      ADD      BF--LU-DP3
PX      2
WRFKLU03      XMONTH20120301      LUDPSRTRG
TO      2      ADD      417431      CONT
TO      6      DIV      FKLUDPLSP1
PX      2
**
WRFKLU02      74      XMONTH20120301      FKLUDPULS1
TO      6      ADD      BF--LU-DP3
PX      2
**
WRFKLU04      XMONTH20120301      LUDPSUMTRG
TO      2      ADD      417431      CONT
TO      6      DIV      FKLUDPULS1
PX      2
***** AVG *****
WRFKLU05      148      XMONTH20120301      FKLUAPLSP1
TO      6      ADD      BF--LU-AP3
PX      2
WRFKLU06      XMONTH20120301      LUAPSRTRG
TO      2      ADD      417431      CONT
TO      6      DIV      FKLUAPLSP1
PX      2
**
WRFKLU05      148      XMONTH20120301      FKLUAAPULS1
TO      6      ADD      BF--LU-AP3
PX      2
**
WRFKLU07      XMONTH20120301      LUAPSUMTRG
TO      2      ADD      417431      CONT
TO      6      DIV      FKLUAAPULS1
PX      2
**
***** WET *****
WRFKLU08      158      XMONTH20120301      FKLWLPULW1
TO      6      ADD      BF--LU-WP3
PX      2
WRFKLU09      XMONTH20120301      LUWPWIRTRG
TO      2      ADD      417431      CONT
TO      6      DIV      FKLWLPULW1
PX      2
**
WRFKLU08      2054      XMONTH20120301      FKLWPLSP1
TO      6      ADD      BF--LU-WP3
PX      2
WRFKLU10      XMONTH20120301      LUWPSRTRG
TO      2      ADD      417431      CONT
TO      6      DIV      FKLWPLSP1
PX      2
**
WRFKLU08      779      XMONTH20120301      FKLWLPULS1
TO      6      ADD      BF--LU-WP3
PX      2
**
WRFKLU11      XMONTH20120301      LUWPSUMTRG
TO      2      ADD      417431      CONT
TO      6      DIV      FKLWLPULS1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season) *****

```

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```

***** DRY *****
IFLUDPUL 74 XMONTH20120301 LU DP LSP1
TO 6 ADD BF--LU-DP3
FS 5 FKL003 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFLUDPUL 74 XMONTH20120301 3 LU DP LSP2
TO 6 ADD BF--LU-DP3
FS 5 FKL003 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFLUDPUL 74 XMONTH20120301 LU DP PLS1
TO 6 ADD BF--LU-DP3
FS 5 FKL004 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFLUDPUL 74 XMONTH20120301 3 LU DP PLS2
TO 6 ADD BF--LU-DP3
FS 5 FKL004 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** AVG *****
IFLUAPUL 148 XMONTH20120301 LU AP LSP1
TO 6 ADD BF--LU-AP3
FS 5 FKL006 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFLUAPUL 148 XMONTH20120301 3 LU AP LSP2
TO 6 ADD BF--LU-AP3
FS 5 FKL006 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFLUAPUL 148 XMONTH20120301 LU AP PLS1
TO 6 ADD BF--LU-AP3
FS 5 FKL007 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFLUAPUL 148 XMONTH20120301 3 LU AP PLS2
TO 6 ADD BF--LU-AP3
FS 5 FKL007 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** WET *****
IFLUWPUL 158 XMONTH20120301 LU WP PULW1
TO 6 ADD BF--LU-WP3
FS 5 FKL009 1 0 1 9999999 2 1 1 4 11 2
PX 2
IFLUWPUL 158 XMONTH20120301 3 LU WP PULW2
TO 6 ADD BF--LU-WP3
FS 5 FKL009 1 0 1 9999999 2 1 1 0 11 2
PX 2
IFLUWPUL 2054 XMONTH20120301 LU WP LSP1
TO 6 ADD BF--LU-WP3
FS 5 FKL010 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFLUWPUL 2054 XMONTH20120301 3 LU WP LSP2
TO 6 ADD BF--LU-WP3
FS 5 FKL010 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFLUWPUL 779 XMONTH20120301 LU WP PULS1
TO 6 ADD BF--LU-WP3
FS 5 FKL011 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFLUWPUL 779 XMONTH20120301 3 LU WP PULS2
TO 6 ADD BF--LU-WP3
FS 5 FKL011 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFLUDPUL 20120301 LU DP FFIN
TO 13 ADD LU DP LSP2 CONT
TO 13 ADD LU DP PLS2 CONT
TO 16 MUL UP-DRY
PX 2
***** AVG *****
IFLUAPUL 20120301 LU AP FFIN
TO 13 ADD LU AP LSP2 CONT
TO 13 ADD LU AP PLS2 CONT
TO 16 MUL UP-AVG
PX 2
***** WET *****
IFLUWPUL 20120301 LU WP FFIN
TO 13 ADD LU WP PULW2 CONT
TO 13 ADD LU WP LSP2 CONT
TO 13 ADD LU WP PLS2 CONT
TO 16 MUL UP-WET
PX 2
**
**BRAZOS RIVER NEAR SOUTH BEND
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBSB 20120301 DMRLBSB SB3DUM
    
```

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```

TO      2          ADD          BRSEB23
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRF0606      XMONTH20120301          BF--SB-DP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          SBDFND
PX      2
WRF0606      XMONTH20120301          BF--SB-DP2
TO      6          ADD          BF--SB-DP1          CONT
TO      2          DIV          DAYSPY
PX      2
WRF0604      19473  SB-DRY20120301          BF--SB-DP3
TO      6          MUL          BF--SB-DP2
PX      2
*****Avg Days*****
WRF0606      XMONTH20120301          BF--SB-AP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          SBAPND
PX      2
WRF0606      XMONTH20120301          BF--SB-AP2
TO      6          ADD          BF--SB-AP1          CONT
TO      2          DIV          DAYSPY
PX      2
WRF0606      43077  SB-AVG20120301          BF--SB-AP3
TO      6          MUL          BF--SB-AP2
PX      2
*****WET Days*****
WRF0606      XMONTH20120301          BF--SB-WP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          SBWFND
PX      2
WRF0606      XMONTH20120301          BF--SB-WP2
TO      6          ADD          BF--SB-WP1          CONT
TO      2          DIV          DAYSPY
PX      2
WRF0606      75864  SB-WET20120301          BF--SB-WP3
TO      6          MUL          BF--SB-WP2
PX      2
*****set subsistence flow*****
IFSBSUBS      723  SB-SUB20120301          SB-SUB1
TO      16          MUL          UP-DRY
PX      2
*****SET DRY BASE FLOW, *****
IFSBS-DRY      19473  SB-DRY20120301          SB-DRY1
TO      16          MUL          UP-DRY
PX      2
WRSBNSB      1  XMONTH20120301          SBNSUB2
FS      12  UP-DRY      0      1      1 9999999  1
PX      2
WRFKSB11      20120301          HOLDSBBASE
TO      13          ADD          SB-DRY1
PX      2
WRFKSB12      20120301          SBONOFF
TO      2          ADD          BRSEB23          CONT
TO      6          DIV          HOLDSBBASE          CONT
TO      6          ADD          SBNSUB2
PX      2
IFSBS-DRY      20120301          SB-DRY2
TO      13          ADD          SB-DRY1
FS      5  FKSBS12      1      0      1 9999999  1
PX      2
IFSBSUBS      SB-SUB20120301  2          SB-SUB2
TO      2          ADD          BRSEB23          CONT
TO      13          SUB          SB-SUB1          CONT
TO      2          DIV          HALF          CONT
TO      13          ADD          SB-SUB1
FS      5  FKSBS12      0      1      1 9999999  1
PX      2
IFSBS-DRY      20120301          SB-DRY3
TO      13          ADD          SB-SUB2          CONT
TO      13          MAX          SB-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFSBS-AVG      43077  SB-AVG20120301          SB-AVG
TO      16          MUL          UP-AVG
PX      2
*****SET WET BASE FLOW, *****
IFSBS-WET      75864  SB-WET20120301          SB-WET
TO      16          MUL          UP-WET
PX      2

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***** DRY *****

***** Developing pulse+base flow targets (Each Season), *****

WRFKSB01 7280 XMONTH20120301 FKSBDPLSP1
TO 6 ADD BF--SB-DP3
PX 2

WRFKSB02 XMONTH20120301 SBDPSPRTRG
TO 2 ADD BRSB23 CONT
TO 6 DIV FKSBDPLSP1
PX 2

**
WRFKSB01 3140 XMONTH20120301 FKSBDPULS1
TO 6 ADD BF--SB-DP3
PX 2

**
WRFKSB03 XMONTH20120301 SBDPSPRTRG
TO 2 ADD BRSB23 CONT
TO 6 DIV FKSBDPULS1
PX 2

**
WRFKSB04 7280 XMONTH20120301 FKSBDPULS1
TO 6 ADD BF--SB-DP3
PX 2

**
WRFKSB05 XMONTH20120301 SBDPSPRTRG
TO 2 ADD BRSB23 CONT
TO 6 DIV FKSBDPULS1
PX 2

**
WRFKSB06 3140 XMONTH20120301 FKSBDPULS1
TO 6 ADD BF--SB-DP3
PX 2

**
WRFKSB07 XMONTH20120301 SBDPSPRTRG
TO 2 ADD BRSB23 CONT
TO 6 DIV FKSBDPULS1
PX 2

**
WRFKSB08 7280 XMONTH20120301 FKSBDPULS1
TO 6 ADD BF--SB-DP3
PX 2

**
WRFKSB09 XMONTH20120301 SBDPSPRTRG
TO 2 ADD BRSB23 CONT
TO 6 DIV FKSBDPULS1
PX 2

**
WRFKSB10 3140 XMONTH20120301 FKSBDPULS1
TO 6 ADD BF--SB-DP3
PX 2

**
WRFKSB11 XMONTH20120301 SBDPSPRTRG
TO 2 ADD BRSB23 CONT
TO 6 DIV FKSBDPULS1
PX 2

**
WRFKSB12 7280 XMONTH20120301 FKSBDPULS1
TO 6 ADD BF--SB-DP3
PX 2

**
WRFKSB13 3140 XMONTH20120301 FKSBDPULS1
TO 6 ADD BF--SB-DP3
PX 2

**
WRFKSB14 XMONTH20120301 SBDPSPRTRG
TO 2 ADD BRSB23 CONT
TO 6 DIV FKSBDPULS1
PX 2

**
WRFKSB15 7280 XMONTH20120301 FKSBDPULS1
TO 6 ADD BF--SB-DP3
PX 2

**
WRFKSB16 3140 XMONTH20120301 FKSBDPULS1
TO 6 ADD BF--SB-DP3
PX 2

**
WRFKSB17 XMONTH20120301 SBDPSPRTRG
TO 2 ADD BRSB23 CONT
TO 6 DIV FKSBDPULS1
PX 2

**
WRFKSB18 7280 XMONTH20120301 FKSBDPULS1
TO 6 ADD BF--SB-DP3
PX 2

**
WRFKSB19 3140 XMONTH20120301 FKSBDPULS1
TO 6 ADD BF--SB-DP3
PX 2

**
WRFKSB20 XMONTH20120301 SBDPSPRTRG
TO 2 ADD BRSB23 CONT
TO 6 DIV FKSBDPULS1
PX 2

**
WRFKSB21 7280 XMONTH20120301 FKSBDPULS1
TO 6 ADD BF--SB-DP3
PX 2

**
WRFKSB22 3140 XMONTH20120301 FKSBDPULS1
TO 6 ADD BF--SB-DP3
PX 2

**
WRFKSB23 XMONTH20120301 SBDPSPRTRG
TO 2 ADD BRSB23 CONT
TO 6 DIV FKSBDPULS1
PX 2

**
WRFKSB24 7280 XMONTH20120301 FKSBDPULS1
TO 6 ADD BF--SB-DP3
PX 2

**
WRFKSB25 3140 XMONTH20120301 FKSBDPULS1
TO 6 ADD BF--SB-DP3
PX 2

**
WRFKSB26 XMONTH20120301 SBDPSPRTRG
TO 2 ADD BRSB23 CONT
TO 6 DIV FKSBDPULS1
PX 2

**
WRFKSB27 7280 XMONTH20120301 FKSBDPULS1
TO 6 ADD BF--SB-DP3
PX 2

**
WRFKSB28 3140 XMONTH20120301 FKSBDPULS1
TO 6 ADD BF--SB-DP3
PX 2

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

***** DRY *****

IFSBDPUL 7280 XMONTH20120301 SBDPLSP1
TO 6 ADD BF--SB-DP3
FS 5 FKS02 1 0 1 999999 2 1 1 4 3 6
PX 2

IFSBDPUL 7280 XMONTH20120301 3 SBDPLSP2
TO 6 ADD BF--SB-DP3
FS 5 FKS02 1 0 1 999999 2 1 1 0 3 6
PX 2

IFSBDPUL 3140 XMONTH20120301 SBDPULS1
TO 6 ADD BF--SB-DP3
FS 5 FKS03 1 0 1 999999 2 1 1 4 7 10
PX 2

IFSBDPUL 3140 XMONTH20120301 3 SBDPULS2
TO 6 ADD BF--SB-DP3
FS 5 FKS03 1 0 1 999999 2 1 1 0 7 10
PX 2

***** AVG *****

IFSAPUL 7280 XMONTH20120301 SBAPLSP1
TO 6 ADD BF--SB-AP3
FS 5 FKS05 1 0 1 999999 2 1 2 4 3 6
PX 2

IFSAPUL 7280 XMONTH20120301 3 SBAPLSP2
TO 6 ADD BF--SB-AP3
FS 5 FKS05 1 0 1 999999 2 1 2 0 3 6
PX 2

IFSAPUL 3140 XMONTH20120301 SBAPULS1
TO 6 ADD BF--SB-AP3

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```

FS 5 FKSBO6 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFSBAPUL 3140 XMONTH20120301 3 SBAPULS2
TO 6 ADD BF--SB-AP3
FS 5 FKSBO6 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** WET *****
IFSBWPUL 15700 XMONTH20120301 SBWPLSP1
TO 6 ADD BF--SB-WP3
FS 5 FKSBO9 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFSBWPUL 15700 XMONTH20120301 3 SBWPLSP2
TO 6 ADD BF--SB-WP3
FS 5 FKSBO9 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFSBWPUL 7050 XMONTH20120301 SBWPULS1
TO 6 ADD BF--SB-WP3
FS 5 FKSBO10 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFSBWPUL 7050 XMONTH20120301 3 SBWPULS2
TO 6 ADD BF--SB-WP3
FS 5 FKSBO10 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFSBDFUL 20120301 SBDPFIN
TO 13 ADD SBDPLSP2 CONT
TO 13 ADD SBDPULS2 CONT
TO 16 MUL UP-DRY
PX 2
***** AVG *****
IFSBAPUL 20120301 SBAPFIN
TO 13 ADD SBAPLSP2 CONT
TO 13 ADD SBAPULS2 CONT
TO 16 MUL UP-AVG
PX 2
***** WET *****
IFSBWPUL 20120301 SBWPFIN
TO 13 ADD SBWPLSP2 CONT
TO 13 ADD SBWPULS2 CONT
TO 16 MUL UP-WET
PX 2
**
**BRAZOS RIVER NEAR PALO PINTO
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRPP 20120301 DMRLBRPP SB3DUM
TO 2 ADD BRPP27
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake07 XMONTH20120301 BF--PP-DP1
TO 2 ADD DAYSPPY CONT
TO 2 SUB PDPEND
PX 2
WRFake07 XMONTH20120301 BF--PP-DP2
TO 6 ADD BF--PP-DP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake07 28686 PP-DRY20120301 BF--PP-DP3
TO 6 MUL BF--PP-DP2
PX 2
*****Avg Days SMALL PULSE*****
WRFake07 XMONTH20120301 BF--PPSAP1
TO 2 ADD DAYSPPY CONT
TO 2 SUB PPASPD
PX 2
WRFake07 XMONTH20120301 BF--PPSAP2
TO 6 ADD BF--PPSAP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake07 50176 PP-AVG20120301 BF--PPSAP3
TO 6 MUL BF--PPSAP2
PX 2
*****Avg Days LARGE PULSE*****
WRFake07 XMONTH20120301 BF--PPLAP1
TO 2 ADD DAYSPPY CONT
TO 2 SUB PPALPD
PX 2
WRFake07 XMONTH20120301 BF--PPLAP2
TO 6 ADD BF--PPLAP1 CONT

```

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```

TO      2          DIV          DAYSPY
PX      2
WRFKPP07  50176  PP-AVG20120301          BF--PPLAP3
TO      6          MUL          BF--PPLAP2
PX      2
*****WET Days SMALL PULSE*****
WRFKPP07  XMONTH20120301          BF--PPSWP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          PPWSPD
PX      2
WRFKPP07  XMONTH20120301          BF--PPSWP2
TO      6          ADD          BF--PPSWP1  CONT
TO      2          DIV          DAYSPY
PX      2
WRFKPP07  82022  PP-WET20120301          BF--PPSWP3
TO      6          MUL          BF--PPSWP2
PX      2
*****WET Days LARGE PULSE*****
WRFKPP07  XMONTH20120301          BF--PPLWP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          PPWLPD
PX      2
WRFKPP07  XMONTH20120301          BF--PPLWP2
TO      6          ADD          BF--PPLWP1  CONT
TO      2          DIV          DAYSPY
PX      2
WRFKPP07  82022  PP-WET20120301          BF--PPLWP3
TO      6          MUL          BF--PPLWP2
PX      2
*****set subsistence flow*****
IFPPSUBS  12294  PP-SUB20120301          PP-SUB1
TO      16          MUL          MIDDRY
PX      2
*****SET DRY BASE FLOW, *****
IFPP-DRY  28686  PP-DRY20120301          PP-DRY1
TO      16          MUL          MIDDRY
PX      2
WRPPNOSB  1  XMONTH20120301          PPNOSUB2
FS  12  MIDDRY  0  1  1  9999999  1
PX      2
WRFKPP01  20120301          HOLDPPBASE
TO      13          ADD          PP-DRY1
PX      2
WRFKPP02  20120301          PPNONOFF
TO      2          ADD          BRPP27          CONT
TO      6          DIV          HOLDPPBASE  CONT
TO      6          ADD          PPNOSUB2
PX      2
IFPP-DRY  20120301          PP-DRY2
TO      13          ADD          PP-DRY1
FS  5  FKPP02  1  0  1  9999999  1
PX      2
IFPPSUBS  PP-SUB20120301  2          PP-SUB2
TO      2          ADD          BRPP27          CONT
TO      13          SUB          PP-SUB1  CONT
TO      2          DIV          HALF          CONT
TO      13          ADD          PP-SUB1
FS  5  FKPP02  0  1  1  9999999  1
PX      2
IFPP-DRY  20120301          PP-DRY3
TO      13          ADD          PP-SUB2  CONT
TO      13          MAX          PP-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFPP-AVG  50176  PP-AVG20120301          PP-AVG
TO      16          MUL          MIDAVG
PX      2
*****SET WET BASE FLOW, *****
IFPP-WET  82022  PP-WET20120301          PP-WET
TO      16          MUL          MIDWET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKPP02  3690  XMONTH20120301          FKPPDPLWP1
TO      6          ADD          BF--PP-DP3
PX      2
WRFKPP03  XMONTH20120301          PDPDWIRTRG
TO      2          ADD          BRPP27          CONT
TO      6          DIV          FKPPDPLWP1
PX      2
WRFKPP02  6600  XMONTH20120301          FKPPDPLSP1
TO      6          ADD          BF--PP-DP3
PX      2

```

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```

WRFKPP04      XMONTH20120301      PPDPSRTRG
TO 2          ADD              BRPP27          CONT
TO 6          DIV              FKPPDPLSP1
PX 2
**
WRFKPP02      5920 XMONTH20120301      FKPPDPULS1
TO 6          ADD              BF--PP-DP3
PX 2
**
WRFKPP05      XMONTH20120301      PPDPSUMTRG
TO 2          ADD              BRPP27          CONT
TO 6          DIV              FKPPDPULS1
PX 2
***** SMALL AVERAGE PULSE *****
WRFKPP06      3690 XMONTH20120301      FKPPAPLWP1
TO 6          ADD              BF--PPSAP3
PX 2
WRFKPP07      XMONTH20120301      PPAPWIRTR1
TO 2          ADD              BRPP27          CONT
TO 6          DIV              FKPPAPLWP1
PX 2
WRFKPP06      6600 XMONTH20120301      FKPPAPLSP1
TO 6          ADD              BF--PPSAP3
PX 2
WRFKPP08      XMONTH20120301      PPAPSRTR1
TO 2          ADD              BRPP27          CONT
TO 6          DIV              FKPPAPLSP1
PX 2
**
WRFKPP06      5920 XMONTH20120301      FKPPAPULS1
TO 6          ADD              BF--PPSAP3
PX 2
**
WRFKPP09      XMONTH20120301      PPAPSUMTR1
TO 2          ADD              BRPP27          CONT
TO 6          DIV              FKPPAPULS1
PX 2
***** LARGE AVERAGE PULSE *****
WRFKPP10      7180 XMONTH20120301      FKPPAPLWP2
TO 6          ADD              BF--PPLAP3
PX 2
WRFKPP11      XMONTH20120301      PPAPWIRTR2
TO 2          ADD              BRPP27          CONT
TO 6          DIV              FKPPAPLWP2
PX 2
WRFKPP10      20200 XMONTH20120301      FKPPAPLSP2
TO 6          ADD              BF--PPLAP3
PX 2
WRFKPP12      XMONTH20120301      PPAPSRTR2
TO 2          ADD              BRPP27          CONT
TO 6          DIV              FKPPAPLSP2
PX 2
**
WRFKPP10      13000 XMONTH20120301      FKPPAPULS2
TO 6          ADD              BF--PPLAP3
PX 2
**
WRFKPP13      XMONTH20120301      PPAPSUMTR2
TO 2          ADD              BRPP27          CONT
TO 6          DIV              FKPPAPULS2
PX 2
**
***** WET SMALL PULSE*****
WRFKPP14      3690 XMONTH20120301      FKPPWPLWP1
TO 6          ADD              BF--PPSWP3
PX 2
WRFKPP15      XMONTH20120301      PPWPWIRTR1
TO 2          ADD              BRPP27          CONT
TO 6          DIV              FKPPWPLWP1
PX 2
WRFKPP14      6600 XMONTH20120301      FKPPWPLSP1
TO 6          ADD              BF--PPSWP3
PX 2
WRFKPP16      XMONTH20120301      PPWPSRTR1
TO 2          ADD              BRPP27          CONT
TO 6          DIV              FKPPWPLSP1
PX 2
**
WRFKPP14      5920 XMONTH20120301      FKPPWPULS1
TO 6          ADD              BF--PPSWP3
PX 2
**
WRFKPP17      XMONTH20120301      PPWPSUMTR1
TO 2          ADD              BRPP27          CONT

```

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```

TO      6          DIV          FKPPWPULS1
PX      2
***** WET LARGE PULSE*****
WRFKPP18  7180  XMONTH20120301          FKPPWPLWP2
TO      6          ADD          BF--PPLWP3
PX      2
WRFKPP19          XMONTH20120301          PPWPWIRTR2
TO      2          ADD          BRPP27          CONT
TO      6          DIV          FKPPWPLWP2
PX      2
WRFKPP18  20200  XMONTH20120301          FKPPWPLSP2
TO      6          ADD          BF--PPLWP3
PX      2
WRFKPP20          XMONTH20120301          PPWPSPRTR2
TO      2          ADD          BRPP27          CONT
TO      6          DIV          FKPPWPLSP2
PX      2
**
WRFKPP18  13000  XMONTH20120301          FKPPWPULS2
TO      6          ADD          BF--PPLWP3
PX      2
**
WRFKPP21          XMONTH20120301          PPWPSPRTR2
TO      2          ADD          BRPP27          CONT
TO      6          DIV          FKPPWPULS2
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFPPDPUL  3690  XMONTH20120301          PPDPLWP1
TO      6          ADD          BF--PP-DP3
FS      5  FKPP03          1          0          1 9999999  2  1  2  4 11  2
PX      2
IFPPDPUL  3690  XMONTH20120301  3          PPDPLWP2
TO      6          ADD          BF--PP-DP3
FS      5  FKPP03          1          0          1 9999999  2  1  2  0 11  2
PX      2
IFPPDPUL  6600  XMONTH20120301          PPDPLSP1
TO      6          ADD          BF--PP-DP3
FS      5  FKPP04          1          0          1 9999999  2  1  2  4  3  6
PX      2
IFPPDPUL  6600  XMONTH20120301  3          PPDPLSP2
TO      6          ADD          BF--PP-DP3
FS      5  FKPP04          1          0          1 9999999  2  1  2  0  3  6
PX      2
IFPPDPUL  5920  XMONTH20120301          PPDPLSP1
TO      6          ADD          BF--PP-DP3
FS      5  FKPP05          1          0          1 9999999  2  1  2  4  7 10
PX      2
IFPPDPUL  5920  XMONTH20120301  3          PPDPLSP2
TO      6          ADD          BF--PP-DP3
FS      5  FKPP05          1          0          1 9999999  2  1  2  0  7 10
PX      2
***** AVG SMALL PULSE*****
IFPPASPL  3690  XMONTH20120301          PPAPLSW1
TO      6          ADD          BF--PPSAP3
FS      5  FKPP07          1          0          1 9999999  2  1  4  4 11  2
PX      2
IFPPASPL  3690  XMONTH20120301  3          PPAPLSW2
TO      6          ADD          BF--PPSAP3
FS      5  FKPP07          1          0          1 9999999  2  1  4  0 11  2
PX      2
IFPPASPL  6600  XMONTH20120301          PPASPSF1
TO      6          ADD          BF--PPSAP3
FS      5  FKPP08          1          0          1 9999999  2  1  4  4  3  6
PX      2
IFPPASPL  6600  XMONTH20120301  3          PPASPSF2
TO      6          ADD          BF--PPSAP3
FS      5  FKPP08          1          0          1 9999999  2  1  4  0  3  6
PX      2
IFPPASPL  5920  XMONTH20120301          PPASPLS1
TO      6          ADD          BF--PPSAP3
FS      5  FKPP09          1          0          1 9999999  2  1  4  4  7 10
PX      2
IFPPASPL  5920  XMONTH20120301  3          PPASPLS2
TO      6          ADD          BF--PPSAP3
FS      5  FKPP09          1          0          1 9999999  2  1  4  0  7 10
PX      2
***** AVG LARGE PULSE*****
IFPPALPL  7180  XMONTH20120301          PPAPLLW1
TO      6          ADD          BF--PPLAP3
FS      5  FKPP11          1          0          1 9999999  2  1  2  4 11  2
PX      2
IFPPALPL  7180  XMONTH20120301  3          PPAPLLW2

```

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```

TO      6      ADD
FS      5      FKPP11      1      0      1 9999999 2 1 2 0 11 2
PX      2
IFPPALPL 20200 XMONTH20120301 PPALPSP1
TO      6      ADD
FS      5      FKPP12      1      0      1 9999999 2 1 2 4 3 6
PX      2
IFPPALPL 20200 XMONTH20120301 3 PPALPSP2
TO      6      ADD
FS      5      FKPP12      1      0      1 9999999 2 1 2 0 3 6
PX      2
IFPPALPL 13000 XMONTH20120301 PPALPLS1
TO      6      ADD
FS      5      FKPP13      1      0      1 9999999 2 1 2 4 7 10
PX      2
IFPPALPL 13000 XMONTH20120301 3 PPALPLS2
TO      6      ADD
FS      5      FKPP13      1      0      1 9999999 2 1 2 0 7 10
PX      2
***** WET SMALL PULSE *****
IFPPWSPL 3690 XMONTH20120301 PPSWPP1
TO      6      ADD
FS      5      FKPP15      1      0      1 9999999 2 1 4 4 11 2
PX      2
IFPPWSPL 3690 XMONTH20120301 3 PPSWPP2
TO      6      ADD
FS      5      FKPP15      1      0      1 9999999 2 1 4 0 11 2
PX      2
IFPPWSPL 6600 XMONTH20120301 PPSWPPSP1
TO      6      ADD
FS      5      FKPP16      1      0      1 9999999 2 1 4 4 3 6
PX      2
IFPPWSPL 6600 XMONTH20120301 3 PPSWPPSP2
TO      6      ADD
FS      5      FKPP16      1      0      1 9999999 2 1 4 0 3 6
PX      2
IFPPWSPL 5920 XMONTH20120301 PPSWPLS1
TO      6      ADD
FS      5      FKPP17      1      0      1 9999999 2 1 4 4 7 10
PX      2
IFPPWSPL 5920 XMONTH20120301 3 PPSWPLS2
TO      6      ADD
FS      5      FKPP17      1      0      1 9999999 2 1 4 0 7 10
PX      2
***** WET LARGE PULSE*****
IFPPWLPL 7180 XMONTH20120301 PPLWPP1
TO      6      ADD
FS      5      FKPP19      1      0      1 9999999 2 1 3 4 11 2
PX      2
IFPPWLPL 7180 XMONTH20120301 3 PPLWPP2
TO      6      ADD
FS      5      FKPP19      1      0      1 9999999 2 1 3 0 11 2
PX      2
IFPPWLPL 20200 XMONTH20120301 PPLWPPSP1
TO      6      ADD
FS      5      FKPP20      1      0      1 9999999 2 1 3 4 3 6
PX      2
IFPPWLPL 20200 XMONTH20120301 3 PPLWPPSP2
TO      6      ADD
FS      5      FKPP20      1      0      1 9999999 2 1 3 0 3 6
PX      2
IFPPWLPL 13000 XMONTH20120301 PPLWPLS1
TO      6      ADD
FS      5      FKPP21      1      0      1 9999999 2 1 3 4 7 10
PX      2
IFPPWLPL 13000 XMONTH20120301 3 PPLWPLS2
TO      6      ADD
FS      5      FKPP21      1      0      1 9999999 2 1 3 0 7 10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFPPDPUL 20120301 PDPDFIN
TO      13      ADD PPDLWP2 CONT
TO      13      ADD PPDLS2 CONT
TO      13      ADD PDPULS2 CONT
TO      16      MUL MIDDRY
PX      2
***** SMALL AVERAGE *****
IFPPASPL 20120301 PPASPFIN
TO      13      ADD PPAPLS2 CONT
TO      13      ADD PPASP2 CONT
TO      13      ADD PPASPLS2 CONT
TO      16      MUL MIDAVG
PX      2
    
```

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```
***** LARGE AVERAGE *****
IFPPALPL          20120301          PPALPFIN
TO 13            ADD                PFAPLLW2    CONT
TO 13            ADD                PPALPSP2    CONT
TO 13            ADD                PPALPLS2    CONT
TO 16            MUL                MIDAVG
PX 2
```

```
***** SMALL WET *****
IFPPWSPL          20120301          PPWSPFIN
TO 13            ADD                PPSWPWP2    CONT
TO 13            ADD                PPSWFSP2    CONT
TO 13            ADD                PPSWPLS2    CONT
TO 16            MUL                MIDWET
PX 2
```

```
***** LARGE WET *****
IFPPWLPL          20120301          PPWLPFIN
TO 13            ADD                PPLWFWP2    CONT
TO 13            ADD                PPLWFSP2    CONT
TO 13            ADD                PPLWPLS2    CONT
TO 16            MUL                MIDWET
PX 2
```

**BRAZOS RIVER NEAR GLEN ROSE

```
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRGR          20120301          1.0000          DMRLBRGR  SB3DUM
TO 2              1.0              BRGR30
PX 2
```

** FNI Change end

** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
 ** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.

```
*****Dry Days*****
WRFake08          XMONTH20120301          BF--GR-DP1
TO 2              ADD                DAYSPY      CONT
TO 2              SUB                GRDPND
```

```
WRFake08          XMONTH20120301          BF--GR-DP2
TO 6              ADD                BF--GR-DP1  CONT
TO 2              DIV                DAYSPY
```

```
WRFake08          30364 GR-DRY20120301          BF--GR-DP3
TO 6              MUL                BF--GR-DP2
```

```
*****Avg Days SMALL PULSE*****
WRFake08          XMONTH20120301          BF--GRSAP1
TO 2              ADD                DAYSPY      CONT
TO 2              SUB                GRASPD
```

```
WRFake08          XMONTH20120301          BF--GRSAP2
TO 6              ADD                BF--GRSAP1  CONT
TO 2              DIV                DAYSPY
```

```
WRFake08          57605 GR-AVG20120301          BF--GRSAP3
TO 6              MUL                BF--GRSAP2
```

```
*****Avg Days LARGE PULSE*****
WRFake08          XMONTH20120301          BF--GRLAP1
TO 2              ADD                DAYSPY      CONT
TO 2              SUB                GRALPD
```

```
WRFake08          XMONTH20120301          BF--GRLAP2
TO 6              ADD                BF--GRLAP1  CONT
TO 2              DIV                DAYSPY
```

```
WRFake08          57605 GR-AVG20120301          BF--GRLAP3
TO 6              MUL                BF--GRLAP2
```

```
*****WET Days SMALL PULSE*****
WRFake08          XMONTH20120301          BF--GRSWP1
TO 2              ADD                DAYSPY      CONT
TO 2              SUB                GRWSPD
```

```
WRFake08          XMONTH20120301          BF--GRSWP2
TO 6              ADD                BF--GRSWP1  CONT
TO 2              DIV                DAYSPY
```

```
WRFake08          118127 GR-WET20120301          BF--GRSWP3
TO 6              MUL                BF--GRSWP2
```

```
*****WET Days LARGE PULSE*****
WRFake08          XMONTH20120301          BF--GRLWP1
TO 2              ADD                DAYSPY      CONT
TO 2              SUB                GRWLPD
```

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```

PX      2
WRFK08  XMONTH20120301          BF--GRLWP2
TO      6      ADD              BF--GRLWP1  CONT
PX      2      DIV              DAYSPY
PX      2
WRFK08  118127 GR-WET20120301    BF--GRLWP3
TO      6      MUL              BF--GRLWP2
PX      2
*****set subsistence flow*****
IFGRS08  11571 GR-SUB20120301    GR-SUB1
TO      16     MUL              MIDDRY
PX      2
*****SET DRY BASE FLOW, *****
IFGR-DRY  30364 GR-DRY20120301    GR-DRY1
TO      16     MUL              MIDDRY
PX      2
WRGRN08  1 XMONTH20120301          GRNOSUB2
FS      12 MIDDRY  0 1 1 9999999 1
PX      2
WRFKGR01  20120301          HOLDGRBASE
TO      13     ADD              GR-DRY1
PX      2
WRFKGR02  20120301          GRONOFF
TO      2      ADD              BRGR30  CONT
TO      6      DIV              HOLDGRBASE  CONT
TO      6      ADD              GRNOSUB2
PX      2
IFGR-DRY  20120301          GR-DRY2
TO      13     ADD              GR-DRY1
FS      5  FKGR02  1 0 1 9999999 1
PX      2
IFGRS08  GR-SUB20120301  2  GR-SUB2
TO      2      ADD              BRGR30  CONT
TO      13     SUB              GR-SUB1  CONT
TO      2      DIV              HALF     CONT
TO      13     ADD              GR-SUB1
FS      5  FKGR02  0 1 1 9999999 1
PX      2
IFGR-DRY  20120301          GR-DRY3
TO      13     ADD              GR-SUB2  CONT
TO      13     MAX              GR-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFGR-AVG  57605 GR-AVG20120301    GR-AVG
TO      16     MUL              MIDAVG
PX      2
*****SET WET BASE FLOW, *****
IFGR-WET  118127 GR-WET20120301    GR-WET
TO      16     MUL              MIDWET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKGR02  5400 XMONTH20120301    FKGRDPLWP1
TO      6      ADD              BF--GR-DP3
PX      2
WRFKGR03  XMONTH20120301          GRDPWIRTRG
TO      2      ADD              BRGR30  CONT
TO      6      DIV              FKGRDPLWP1
PX      2
WRFKGR02  14300 XMONTH20120301    FKGRDPLSP1
TO      6      ADD              BF--GR-DP3
PX      2
WRFKGR04  XMONTH20120301          GRDPSPRTRG
TO      2      ADD              BRGR30  CONT
TO      6      DIV              FKGRDPLSP1
PX      2
**
WRFKGR02  7830 XMONTH20120301    FKGRDPULS1
TO      6      ADD              BF--GR-DP3
PX      2
**
WRFKGR05  XMONTH20120301          GRDPSUMTRG
TO      2      ADD              BRGR30  CONT
TO      6      DIV              FKGRDPULS1
PX      2
***** SMALL AVERAGE PULSE *****
WRFKGR06  5400 XMONTH20120301    FKGRAPLWP1
TO      6      ADD              BF--GRSAP3
PX      2
WRFKGR07  XMONTH20120301          GRAPWIRTR1
TO      2      ADD              BRGR30  CONT
TO      6      DIV              FKGRAPLWP1
PX      2

```


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WRFKGR06	14300	XMONTH20120301		FKGRAPLSP1
TO	6	ADD		BF--GRSAP3
PX	2			
WRFKGR08		XMONTH20120301		GRAPSPRTR1
TO	2	ADD	BRGR30	CONT
TO	6	DIV		FKGRAPLSP1
PX	2			
**				
WRFKGR06	7830	XMONTH20120301		FKGRAPULS1
TO	6	ADD		BF--GRSAP3
PX	2			
**				
WRFKGR09		XMONTH20120301		GRAPSUMTR1
TO	2	ADD	BRGR30	CONT
TO	6	DIV		FKGRAPULS1
PX	2			
*****		LARGE AVERAGE PULSE		*****
WRFKGR10	10800	XMONTH20120301		FKGRAPLWP2
TO	6	ADD		BF--GRLAP3
PX	2			
WRFKGR11		XMONTH20120301		GRAPWIRTR2
TO	2	ADD	BRGR30	CONT
TO	6	DIV		FKGRAPLWP2
PX	2			
WRFKGR10	46700	XMONTH20120301		FKGRAPLSP2
TO	6	ADD		BF--GRLAP3
PX	2			
WRFKGR12		XMONTH20120301		GRAPSPRTR2
TO	2	ADD	BRGR30	CONT
TO	6	DIV		FKGRAPLSP2
PX	2			
**				
WRFKGR10	21200	XMONTH20120301		FKGRAPULS2
TO	6	ADD		BF--GRLAP3
PX	2			
**				
WRFKGR13		XMONTH20120301		GRAPSUMTR2
TO	2	ADD	BRGR30	CONT
TO	6	DIV		FKGRAPULS2
PX	2			
**				
*****		WET SMALL PULSE		*****
WRFKGR14	5400	XMONTH20120301		FKGRWPLWP1
TO	6	ADD		BF--GRSWP3
PX	2			
WRFKGR15		XMONTH20120301		GRWPWIRTR1
TO	2	ADD	BRGR30	CONT
TO	6	DIV		FKGRWPLWP1
PX	2			
WRFKGR14	14300	XMONTH20120301		FKGRWPLSP1
TO	6	ADD		BF--GRSWP3
PX	2			
WRFKGR16		XMONTH20120301		GRWPSPRTR1
TO	2	ADD	BRGR30	CONT
TO	6	DIV		FKGRWPLSP1
PX	2			
**				
WRFKGR14	7830	XMONTH20120301		FKGRWPULS1
TO	6	ADD		BF--GRSWP3
PX	2			
**				
WRFKGR17		XMONTH20120301		GRWPSUMTR1
TO	2	ADD	BRGR30	CONT
TO	6	DIV		FKGRWPULS1
PX	2			
*****		WET LARGE PULSE		*****
WRFKGR18	10800	XMONTH20120301		FKGRWPLWP2
TO	6	ADD		BF--GRLWP3
PX	2			
WRFKGR19		XMONTH20120301		GRWPWIRTR2
TO	2	ADD	BRGR30	CONT
TO	6	DIV		FKGRWPLWP2
PX	2			
WRFKGR18	46700	XMONTH20120301		FKGRWPLSP2
TO	6	ADD		BF--GRLWP3
PX	2			
WRFKGR20		XMONTH20120301		GRWPSPRTR2
TO	2	ADD	BRGR30	CONT
TO	6	DIV		FKGRWPLSP2
PX	2			
**				
WRFKGR18	21200	XMONTH20120301		FKGRWPULS2
TO	6	ADD		BF--GRLWP3
PX	2			

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```

**
WRFKGR21      XMONTH20120301      GRWPSUMTR2
TO 2          ADD          BRGR30          CONT
TO 6          DIV          FKGRWPULS2
PX 2
**
    
```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season) *****

```

***** DRY *****
IFGRDPUL 5400 XMONTH20120301      GRDPLWP1
TO 6          ADD          BF--GR-DP3
FS 5  FKGR03  1  0  1 9999999  2  1  2  4  11  2
PX 2
IFGRDPUL 5400 XMONTH20120301  3      GRDPLWP2
TO 6          ADD          BF--GR-DP3
FS 5  FKGR03  1  0  1 9999999  2  1  2  0  11  2
PX 2
IFGRDPUL 14300 XMONTH20120301      GRDPLSP1
TO 6          ADD          BF--GR-DP3
FS 5  FKGR04  1  0  1 9999999  2  1  2  4  3  6
PX 2
IFGRDPUL 14300 XMONTH20120301  3      GRDPLSP2
TO 6          ADD          BF--GR-DP3
FS 5  FKGR04  1  0  1 9999999  2  1  2  0  3  6
PX 2
IFGRDPUL 7830 XMONTH20120301      GRDPULS1
TO 6          ADD          BF--GR-DP3
FS 5  FKGR05  1  0  1 9999999  2  1  2  4  7  10
PX 2
IFGRDPUL 7830 XMONTH20120301  3      GRDPULS2
TO 6          ADD          BF--GR-DP3
FS 5  FKGR05  1  0  1 9999999  2  1  2  0  7  10
PX 2
***** AVG SMALL PULSE*****
IFGRASPL 5400 XMONTH20120301      GRAPLSW1
TO 6          ADD          BF--GRSAP3
FS 5  FKGR07  1  0  1 9999999  2  1  4  4  11  2
PX 2
IFGRASPL 5400 XMONTH20120301  3      GRAPLSW2
TO 6          ADD          BF--GRSAP3
FS 5  FKGR07  1  0  1 9999999  2  1  4  0  11  2
PX 2
IFGRASPL 14300 XMONTH20120301      GRASPSP1
TO 6          ADD          BF--GRSAP3
FS 5  FKGR08  1  0  1 9999999  2  1  4  4  3  6
PX 2
IFGRASPL 14300 XMONTH20120301  3      GRASPSP2
TO 6          ADD          BF--GRSAP3
FS 5  FKGR08  1  0  1 9999999  2  1  4  0  3  6
PX 2
IFGRASPL 7830 XMONTH20120301      GRASPLS1
TO 6          ADD          BF--GRSAP3
FS 5  FKGR09  1  0  1 9999999  2  1  4  4  7  10
PX 2
IFGRASPL 7830 XMONTH20120301  3      GRASPLS2
TO 6          ADD          BF--GRSAP3
FS 5  FKGR09  1  0  1 9999999  2  1  4  0  7  10
PX 2
***** AVG LARGE PULSE*****
IFGRALPL 10800 XMONTH20120301      GRAPLLW1
TO 6          ADD          BF--GRLAP3
FS 5  FKGR11  1  0  1 9999999  2  1  2  4  11  2
PX 2
IFGRALPL 10800 XMONTH20120301  3      GRAPLLW2
TO 6          ADD          BF--GRLAP3
FS 5  FKGR11  1  0  1 9999999  2  1  2  0  11  2
PX 2
IFGRALPL 46700 XMONTH20120301      GRALPSP1
TO 6          ADD          BF--GRLAP3
FS 5  FKGR12  1  0  1 9999999  2  1  2  4  3  6
PX 2
IFGRALPL 46700 XMONTH20120301  3      GRALPSP2
TO 6          ADD          BF--GRLAP3
FS 5  FKGR12  1  0  1 9999999  2  1  2  0  3  6
PX 2
IFGRALPL 21200 XMONTH20120301      GRALPLS1
TO 6          ADD          BF--GRLAP3
FS 5  FKGR13  1  0  1 9999999  2  1  2  4  7  10
PX 2
IFGRALPL 21200 XMONTH20120301  3      GRALPLS2
TO 6          ADD          BF--GRLAP3
FS 5  FKGR13  1  0  1 9999999  2  1  2  0  7  10
PX 2
***** WET SMALL PULSE *****
IFGRWSPL 5400 XMONTH20120301      GRSWEP1
    
```

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```

TO      6      ADD
FS      5      FKGR15      1      0      1 9999999 2 1 4 4 11 2
PX      2
IFGRWSPL      5400 XMONTH20120301 3      GRSWPWP2
TO      6      ADD
FS      5      FKGR15      1      0      1 9999999 2 1 4 0 11 2
PX      2
IFGRWSPL      14300 XMONTH20120301      GRSWPSP1
TO      6      ADD
FS      5      FKGR16      1      0      1 9999999 2 1 4 4 3 6
PX      2
IFGRWSPL      14300 XMONTH20120301 3      GRSWPSP2
TO      6      ADD
FS      5      FKGR16      1      0      1 9999999 2 1 4 0 3 6
PX      2
IFGRWSPL      7830 XMONTH20120301      GRSWPLS1
TO      6      ADD
FS      5      FKGR17      1      0      1 9999999 2 1 4 4 7 10
PX      2
IFGRWSPL      7830 XMONTH20120301 3      GRSWPLS2
TO      6      ADD
FS      5      FKGR17      1      0      1 9999999 2 1 4 0 7 10
PX      2
***** WET LARGE PULSE*****
IFGRWLPL      10800 XMONTH20120301      GRLWPWP1
TO      6      ADD
FS      5      FKGR19      1      0      1 9999999 2 1 3 4 11 2
PX      2
IFGRWLPL      10800 XMONTH20120301 3      GRLWPWP2
TO      6      ADD
FS      5      FKGR19      1      0      1 9999999 2 1 3 0 11 2
PX      2
IFGRWLPL      46700 XMONTH20120301      GRLWPSP1
TO      6      ADD
FS      5      FKGR20      1      0      1 9999999 2 1 3 4 3 6
PX      2
IFGRWLPL      46700 XMONTH20120301 3      GRLWPSP2
TO      6      ADD
FS      5      FKGR20      1      0      1 9999999 2 1 3 0 3 6
PX      2
IFGRWLPL      21200 XMONTH20120301      GRLWPLS1
TO      6      ADD
FS      5      FKGR21      1      0      1 9999999 2 1 3 4 7 10
PX      2
IFGRWLPL      21200 XMONTH20120301 3      GRLWPLS2
TO      6      ADD
FS      5      FKGR21      1      0      1 9999999 2 1 3 0 7 10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFGRDPUL      20120301      GRDPFIN
TO      13      ADD      GRDPLWP2      CONT
TO      13      ADD      GRDPLSP2      CONT
TO      13      ADD      GRDPULS2      CONT
TO      16      MUL      MIDDRY
PX      2
***** SMALL AVERAGE *****
IFGRASPL      20120301      GRASPFIN
TO      13      ADD      GRAPLSW2      CONT
TO      13      ADD      GRASPSP2      CONT
TO      13      ADD      GRASPLS2      CONT
TO      16      MUL      MIDAVG
PX      2
***** LARGE AVERAGE *****
IFGRALPL      20120301      GRALPFIN
TO      13      ADD      GRAPLLW2      CONT
TO      13      ADD      GRALPSP2      CONT
TO      13      ADD      GRALPLS2      CONT
TO      16      MUL      MIDAVG
PX      2
***** SMALL WET*****
IFGRWSPL      20120301      GRWSPFIN
TO      13      ADD      GRSWPWP2      CONT
TO      13      ADD      GRSWPSP2      CONT
TO      13      ADD      GRSWPLS2      CONT
TO      16      MUL      MIDWET
PX      2
***** LARGE WET*****
IFGRWLPL      20120301      GRWLPFIN
TO      13      ADD      GRLWPWP2      CONT
TO      13      ADD      GRLWPSP2      CONT
TO      13      ADD      GRLWPLS2      CONT
TO      16      MUL      MIDWET
PX      2
    
```

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```

**
** NORTH BOSQUE NEAR CLIFTON
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMNBCL      20120301      DMRLNBCL  SB3DUM
TO      2      ADD      NBCL36
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake09      XMONTH20120301      BF--NB-DP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      NBDPND
PX      2
WRFake09      XMONTH20120301      BF--NB-DP2
TO      6      ADD      BF--NB-DP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFake09      3612  NB-DRY20120301      BF--NB-DP3
TO      6      MUL      BF--NB-DP2
PX      2
*****Avg Days*****
WRFake09      XMONTH20120301      BF--NB-AP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      NBAPND
PX      2
WRFake09      XMONTH20120301      BF--NB-AP2
TO      6      ADD      BF--NB-AP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFake09      8670  NB-AVG20120301      BF--NB-AP3
TO      6      MUL      BF--NB-AP2
PX      2
*****WET Days*****
WRFake09      XMONTH20120301      BF--NB-WP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      NBWPND
PX      2
WRFake09      XMONTH20120301      BF--NB-WP2
TO      6      ADD      BF--NB-WP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFake09      18064 NB-WET20120301      BF--NB-WP3
TO      6      MUL      BF--NB-WP2
PX      2
*****set subsistence flow*****
IFNBSubs      723  NB-SUB20120301      NB-SUB1
TO      16      MUL      LOWDRY
PX      2
*****SET DRY BASE FLOW, *****
IFNB-DRY      3612  NB-DRY20120301      NB-DRY1
TO      16      MUL      LOWDRY
PX      2
WRNBNSB      1  XMONTH20120301      NBNSUB2
FS      12  LOWDRY      0      1      1 9999999  1
PX      2
WRFKNB01      20120301      HOLDNBBASE
TO      13      ADD      NB-DRY1
PX      2
WRFKNB02      20120301      NBONOFF
TO      2      ADD      NBCL36      CONT
TO      6      DIV      HOLDNBBASE  CONT
TO      6      ADD      NBNSUB2
PX      2
IFNB-DRY      20120301      NB-DRY2
TO      13      ADD      NB-DRY1
FS      5  FKNB02      1      0      1 9999999  1
PX      2
IFNBSubs      NB-SUB20120301  2      NB-SUB2
TO      2      ADD      NBCL36      CONT
TO      13      SUB      NB-SUB1      CONT
TO      2      DIV      HALF      CONT
TO      13      ADD      NB-SUB1
FS      5  FKNB02      0      1      1 9999999  1
PX      2
IFNB-DRY      20120301      NB-DRY3
TO      13      ADD      NB-SUB2      CONT
TO      13      MAX      NB-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFNB-AVG      8670  NB-AVG20120301      NB-AVG
TO      16      MUL      LOWAVG

```

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```

PX      2
*****SET WET BASE FLOW, *****
IFNB-WET  18064  NB-WET20120301          NB-WET
TO      16      MUL                      LOWWET
PX      2
*****
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKNB02  3490  XMONTH20120301          FKNBDPLSP1
TO      6      ADD                      BF--NB-DP3
PX      2
WRFKNB03          XMONTH20120301          NBDPSPRTRG
TO      2      ADD                      NBCL36          CONT
TO      6      DIV                      FKNBDPLSP1
PX      2
**
***** AVG *****
WRFKNB04  3490  XMONTH20120301          FKNBAPLSP1
TO      6      ADD                      BF--NB-AP3
PX      2
WRFKNB05          XMONTH20120301          NBAPSPRTRG
TO      2      ADD                      NBCL36          CONT
TO      6      DIV                      FKNBAPLSP1
PX      2
**
***** WET *****
WRFKNB06  750   XMONTH20120301          FKNBWPULW1
TO      6      ADD                      BF--NB-WP3
PX      2
WRFKNB07          XMONTH20120301          NBWPWIRTRG
TO      2      ADD                      NBCL36          CONT
TO      6      DIV                      FKNBWPULW1
PX      2
**
WRFKNB06  3490  XMONTH20120301          FKNBWPLSP1
TO      6      ADD                      BF--NB-WP3
PX      2
WRFKNB08          XMONTH20120301          NBWPSPRTRG
TO      2      ADD                      NBCL36          CONT
TO      6      DIV                      FKNBWPLSP1
PX      2
**
WRFKNB06  500   XMONTH20120301          FKNBWPULS1
TO      6      ADD                      BF--NB-WP3
PX      2
**
WRFKNB09          XMONTH20120301          NBWPSUMTRG
TO      2      ADD                      NBCL36          CONT
TO      6      DIV                      FKNBWPULS1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFNBDPUL  3490  XMONTH20120301          NBDPLSP1
TO      6      ADD                      BF--NB-DP3
FS      5  FKNB03      1      0      1 9999999  2  1  1  4  3  6
PX      2
IFNBDPUL  3490  XMONTH20120301      3          NBDPLSP2
TO      6      ADD                      BF--NB-DP3
FS      5  FKNB03      1      0      1 9999999  2  1  1  0  3  6
PX      2
***** AVG *****
IFNBAPUL  3490  XMONTH20120301          NBAPLSP1
TO      6      ADD                      BF--NB-AP3
FS      5  FKNB05      1      0      1 9999999  2  1  3  4  3  6
PX      2
IFNBAPUL  3490  XMONTH20120301      3          NBAPLSP2
TO      6      ADD                      BF--NB-AP3
FS      5  FKNB05      1      0      1 9999999  2  1  3  0  3  6
PX      2
***** WET *****
IFNBWPUL  750   XMONTH20120301          NBWPULW1
TO      6      ADD                      BF--NB-WP3
FS      5  FKNB07      1      0      1 9999999  2  1  2  4  11  2
PX      2
IFNBWPUL  750   XMONTH20120301      3          NBWPULW2
TO      6      ADD                      BF--NB-WP3
FS      5  FKNB07      1      0      1 9999999  2  1  2  0  11  2
PX      2
IFNBWPUL  3490  XMONTH20120301          NBWPLSP1
TO      6      ADD                      BF--NB-WP3
FS      5  FKNB08      1      0      1 9999999  2  1  3  4  3  6
PX      2

```

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```

IFNBWPUL 3490 XMONTH20120301 3 NBWPLSP2
TO 6 ADD BF--NB-WP3
FS 5 FKNB08 1 0 1 9999999 2 1 3 0 3 6
PX 2
IFNBWPUL 500 XMONTH20120301 NBWPULS1
TO 6 ADD BF--NB-WP3
FS 5 FKNB09 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFNBWPUL 500 XMONTH20120301 3 NBWPULS2
TO 6 ADD BF--NB-WP3
FS 5 FKNB09 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFNBDFPUL 20120301 NBDPFIN
TO 13 ADD NBDPLSP2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVG *****
IFNBAPUL 20120301 NBAPFIN
TO 13 ADD NBAPLSP2 CONT
TO 16 MUL LOWAVG
PX 2
***** WET *****
IFNBWPUL 20120301 NBWPFIN
TO 13 ADD NBWPULW2 CONT
TO 13 ADD NBWPLSP2 CONT
TO 13 ADD NBWPULS2 CONT
TO 16 MUL LOWWET
PX 2
**
**BRAZOS RIVER NEAR WACO
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRWA 20120301 1.0000 DMRLBRWA SB3DUM
TO 2 1.0 BRWA41
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake10 XMONTH20120301 BF--WA-DP1
TO 2 ADD DAYSPY CONT
TO 2 SUB WADPND
PX 2
WRFake10 XMONTH20120301 BF--WA-DP2
TO 6 ADD BF--WA-DP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake10 98901 WA-DRY20120301 BF--WA-DP3
TO 6 MUL BF--WA-DP2
PX 2
*****Avg PULSE DAYS*****
WRFake10 XMONTH20120301 BF--WASAP1
TO 2 ADD DAYSPY CONT
TO 2 SUB WAASPD
PX 2
WRFake10 XMONTH20120301 BF--WASAP2
TO 6 ADD BF--WASAP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake10 176106 WA-AVG20120301 BF--WASAP3
TO 6 MUL BF--WASAP2
PX 2
*****WET PULSE DAYS*****
WRFake10 XMONTH20120301 BF--WASWP1
TO 2 ADD DAYSPY CONT
TO 2 SUB WAWSPD
PX 2
WRFake10 XMONTH20120301 BF--WASWP2
TO 6 ADD BF--WASWP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake10 424651 WA-WET20120301 BF--WASWP3
TO 6 MUL BF--WASWP2
PX 2
*****set subsistence flow*****
IFWASUBS 40499 WA-SUB20120301 WA-SUB1
TO 16 MUL LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFWA-DRY 98901 WA-DRY20120301 WA-DRY1
TO 16 MUL LOWDRY
    
```

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```

PX      2
WRWANOSB      1 XMONTH20120301      WANOSUB2
FS      12 LOWDRY      0      1      1 9999999      1
PX      2
WRFKWA01      20120301      HOLDWABASE
TO      13      ADD      WA-DRY1
PX      2
WRFKWA02      20120301      WAONOFF
TO      2      ADD      BRWA41      CONT
TO      6      DIV      HOLDWABASE      CONT
TO      6      ADD      WANOSUB2
PX      2
IFWA-DRY      20120301      WA-DRY2
TO      13      ADD      WA-DRY1
FS      5 FKWA02      1      0      1 9999999      1
PX      2
IFWASUBS      WA-SUB20120301      2      WA-SUB2
TO      2      ADD      BRWA41      CONT
TO      13      SUB      WA-SUB1      CONT
TO      2      DIV      HALF      CONT
TO      13      ADD      WA-SUB1
FS      5 FKWA02      0      1      1 9999999      1
PX      2
IFWA-DRY      20120301      WA-DRY3
TO      13      ADD      WA-SUB2      CONT
TO      13      MAX      WA-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFWA-AVG 176106 WA-AVG20120301      WA-AVG
TO      16      MUL      LOWAVG
PX      2
*****SET WET BASE FLOW, *****
IFWA-WET 424651 WA-WET20120301      WA-WET
TO      16      MUL      LOWWET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKWA02 12400 XMONTH20120301      FKWADPLWP1
TO      6      ADD      BF--WA-DP3
PX      2
WRFKWA03      XMONTH20120301      WADPWIRTRG
TO      2      ADD      BRWA41      CONT
TO      6      DIV      FKWADPLWP1
PX      2
WRFKWA02 32700 XMONTH20120301      FKWADPLSP1
TO      6      ADD      BF--WA-DP3
PX      2
WRFKWA04      XMONTH20120301      WADPSPRTRG
TO      2      ADD      BRWA41      CONT
TO      6      DIV      FKWADPLSP1
PX      2
**
WRFKWA02 10500 XMONTH20120301      FKWADPULS1
TO      6      ADD      BF--WA-DP3
PX      2
**
WRFKWA05      XMONTH20120301      WADPSUMTRG
TO      2      ADD      BRWA41      CONT
TO      6      DIV      FKWADPULS1
***** AVERAGE PULSE *****
WRFKWA06 12400 XMONTH20120301      FKWAAPLWP1
TO      6      ADD      BF--WASAP3
PX      2
WRFKWA07      XMONTH20120301      WAAPWIRTR1
TO      2      ADD      BRWA41      CONT
TO      6      DIV      FKWAAPLWP1
PX      2
WRFKWA06 32700 XMONTH20120301      FKWAAPLSP1
TO      6      ADD      BF--WASAP3
PX      2
WRFKWA08      XMONTH20120301      WAAPSPRTR2
TO      2      ADD      BRWA41      CONT
TO      6      DIV      FKWAAPLSP1
PX      2
**
WRFKWA06 10500 XMONTH20120301      FKWAAPULS1
TO      6      ADD      BF--WASAP3
PX      2
**
WRFKWA09      XMONTH20120301      WAAPSUMTR1
TO      2      ADD      BRWA41      CONT
TO      6      DIV      FKWAAPULS1
    
```

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

```

PX      2
***** WET PULSE*****
WRFKWA10 25700 XMONTH20120301          FKWAWPLWP1
TO      6          ADD                      BF--WASWP3
PX      2
WRFKWA11          XMONTH20120301          WAWPWIRTR1
TO      2          ADD                      BRWA41          CONT
TO      6          DIV                      FKWAWPLWP1
PX      2
WRFKWA10 102000 XMONTH20120301          FKWAWPLSP1
TO      6          ADD                      BF--WASWP3
PX      2
WRFKWA12          XMONTH20120301          WAWPSPRTR1
TO      2          ADD                      BRWA41          CONT
TO      6          DIV                      FKWAWPLSP1
PX      2
**
WRFKWA10 26400 XMONTH20120301          FKWAWPULS1
TO      6          ADD                      BF--WASWP3
PX      2
**
WRFKWA13          XMONTH20120301          WAWPSUMTR1
TO      2          ADD                      BRWA41          CONT
TO      6          DIV                      FKWAWPULS1
PX      2
**

```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

***** DRY *****

```

IFWADPUL 12400 XMONTH20120301          WADPLWP1
TO      6          ADD                      BF--WA-DP3
FS      5 FKWA03          1          0          1 9999999 2 1 1 4 11 2
PX      2
IFWADPUL 12400 XMONTH20120301 3          WADPLWP2
TO      6          ADD                      BF--WA-DP3
FS      5 FKWA03          1          0          1 9999999 2 1 1 0 11 2
PX      2
IFWADPUL 32700 XMONTH20120301          WADPLSP1
TO      6          ADD                      BF--WA-DP3
FS      5 FKWA04          1          0          1 9999999 2 1 1 4 3 6
PX      2
IFWADPUL 32700 XMONTH20120301 3          WADPLSP2
TO      6          ADD                      BF--WA-DP3
FS      5 FKWA04          1          0          1 9999999 2 1 1 0 3 6
PX      2
IFWADPUL 10500 XMONTH20120301          WADPULS1
TO      6          ADD                      BF--WA-DP3
FS      5 FKWA05          1          0          1 9999999 2 1 1 4 7 10
PX      2
IFWADPUL 10500 XMONTH20120301 3          WADPULS2
TO      6          ADD                      BF--WA-DP3
FS      5 FKWA05          1          0          1 9999999 2 1 1 0 7 10
PX      2

```

***** AVG PULSE*****

```

IFWAASPL 12400 XMONTH20120301          WAAPLSW1
TO      6          ADD                      BF--WASAP3
FS      5 FKWA07          1          0          1 9999999 2 1 3 4 11 2
PX      2
IFWAASPL 12400 XMONTH20120301 3          WAAPLSW2
TO      6          ADD                      BF--WASAP3
FS      5 FKWA07          1          0          1 9999999 2 1 3 0 11 2
PX      2
IFWAASPL 32700 XMONTH20120301          WAASPS1
TO      6          ADD                      BF--WASAP3
FS      5 FKWA08          1          0          1 9999999 2 1 3 4 3 6
PX      2
IFWAASPL 32700 XMONTH20120301 3          WAASPS2
TO      6          ADD                      BF--WASAP3
FS      5 FKWA08          1          0          1 9999999 2 1 3 0 3 6
PX      2
IFWAASPL 10500 XMONTH20120301          WAASPLS1
TO      6          ADD                      BF--WASAP3
FS      5 FKWA09          1          0          1 9999999 2 1 3 4 7 10
PX      2
IFWAASPL 10500 XMONTH20120301 3          WAASPLS2
TO      6          ADD                      BF--WASAP3
FS      5 FKWA09          1          0          1 9999999 2 1 3 0 7 10
PX      2

```

***** WET PULSE *****

```

IFWAWSP 25700 XMONTH20120301          WASWPWP1
TO      6          ADD                      BF--WASWP3
FS      5 FKWA11          1          0          1 9999999 2 1 2 4 11 2
PX      2
IFWAWSP 25700 XMONTH20120301 3          WASWPWP2
TO      6          ADD                      BF--WASWP3

```


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```

FS 5 FKWA11 1 0 1 9999999 2 1 2 0 11 2
PX 2
IFWAWSP 102000 XMONTH20120301 WASWPSP1
TO 6 ADD BF--WASWP3
FS 5 FKWA12 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFWAWSP 102000 XMONTH20120301 3 WASWPSP2
TO 6 ADD BF--WASWP3
FS 5 FKWA12 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFWAWSP 26400 XMONTH20120301 WASWPLS1
TO 6 ADD BF--WASWP3
FS 5 FKWA13 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFWAWSP 26400 XMONTH20120301 3 WASWPLS2
TO 6 ADD BF--WASWP3
FS 5 FKWA13 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFWADPUL 20120301 WADPFIN
TO 13 ADD WADPLWP2 CONT
TO 13 ADD WADPLSP2 CONT
TO 13 ADD WADPULS2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVERAGE *****
IFWAASPL 20120301 WAASPFIN
TO 13 ADD WAAPLSW2 CONT
TO 13 ADD WAASPS2 CONT
TO 13 ADD WAASPLS2 CONT
TO 16 MUL LOWAVG
PX 2
***** WET *****
IFWAWSP 20120301 WAWSPFIN
TO 13 ADD WASWPWP2 CONT
TO 13 ADD WASWPSP2 CONT
TO 13 ADD WASWPLS2 CONT
TO 16 MUL LOWWET
PX 2
** LEON RIVER AT GATESVILLE
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMLEGT 20120301 1.0000 DMRLLEGT SB3DUM
TO 2 1.0 LEGT47
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake11 XMONTH20120301 BF--GT-DP1
TO 2 ADD DAYSPY CONT
TO 2 SUB GTDPND
PX 2
WRFake11 XMONTH20120301 BF--GT-DP2
TO 6 ADD BF--GT-DP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake11 5533 GT-DRY20120301 BF--GT-DP3
TO 6 MUL BF--GT-DP2
PX 2
*****Avg PULSE DAYS*****
WRFake11 XMONTH20120301 BF--GTSAP1
TO 2 ADD DAYSPY CONT
TO 2 SUB GTASPD
PX 2
WRFake11 XMONTH20120301 BF--GTSAP2
TO 6 ADD BF--GTSAP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake11 13482 GT-AVG20120301 BF--GTSAP3
TO 6 MUL BF--GTSAP2
PX 2
*****WET PULSE DAYS*****
WRFake11 XMONTH20120301 BF--GTSWP1
TO 2 ADD DAYSPY CONT
TO 2 SUB GTWSPD
PX 2
WRFake11 XMONTH20120301 BF--GTSWP2
TO 6 ADD BF--GTSWP1 CONT
TO 2 DIV DAYSPY
PX 2

```

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```

WRFKAKE11 32001 GT-WET20120301 BF--GTSWP3
TO 6 MUL BF--GTSWP2
PX 2
*****set subsistence flow*****
IFGTSUBS 723 GT-SUB20120301 GT-SUB1
TO 16 MUL LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFGT-DRY 5533 GT-DRY20120301 GT-DRY1
TO 16 MUL LOWDRY
PX 2
WRGTNOSB 1 XMONTH20120301 GTNOSUB2
FS 12 LOWDRY 0 1 1 9999999 1
PX 2
WRFKGT01 20120301 HOLDGTBASE
TO 13 ADD GT-DRY1
PX 2
WRFKGT02 20120301 GTONOFF
TO 2 ADD LEGT47 CONT
TO 6 DIV HOLDGTBASE CONT
TO 6 ADD GTNOSUB2
PX 2
IFGT-DRY 20120301 GT-DRY2
TO 13 ADD GT-DRY1
FS 5 FKGT02 1 0 1 9999999 1
PX 2
IFGTSUBS GT-SUB20120301 2 GT-SUB2
TO 2 ADD LEGT47 CONT
TO 13 SUB GT-SUB1 CONT
TO 2 DIV HALF CONT
TO 13 ADD GT-SUB1
FS 5 FKGT02 0 1 1 9999999 1
PX 2
IFGT-DRY 20120301 GT-DRY3
TO 13 ADD GT-SUB2 CONT
TO 13 MAX GT-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFGT-AVG 13482 GT-AVG20120301 GT-AVG
TO 16 MUL LOWAVG
PX 2
*****SET WET BASE FLOW, *****
IFGT-WET 32001 GT-WET20120301 GT-WET
TO 16 MUL LOWWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKGT02 0 XMONTH20120301 FKGTDPPLWP1
TO 6 ADD BF--GT-DP3
PX 2
WRFKGT03 XMONTH20120301 GTDPWIRTRG
TO 2 ADD LEGT47 CONT
TO 6 DIV FKGTDPPLWP1
PX 2
WRFKGT04 1910 XMONTH20120301 FKGTDPPLSP1
TO 6 ADD BF--GT-DP3
PX 2
WRFKGT05 XMONTH20120301 GTDPSRTRG
TO 2 ADD LEGT47 CONT
TO 6 DIV FKGTDPPLSP1
PX 2
**
WRFKGT02 220 XMONTH20120301 FKGTDPULS1
TO 6 ADD BF--GT-DP3
PX 2
**
WRFKGT05 XMONTH20120301 GTDPSUMTRG
TO 2 ADD LEGT47 CONT
TO 6 DIV FKGTDPULS1
PX 2
***** AVERAGE PULSE *****
WRFKGT06 0 XMONTH20120301 FKGTAPLWP1
TO 6 ADD BF--GTSAP3
PX 2
WRFKGT07 XMONTH20120301 GTAPWIRTR1
TO 2 ADD LEGT47 CONT
TO 6 DIV FKGTAPLWP1
PX 2
WRFKGT08 1910 XMONTH20120301 FKGTAPLSP1
TO 6 ADD BF--GTSAP3
PX 2
WRFKGT08 XMONTH20120301 GTAPSPRTR2
TO 2 ADD LEGT47 CONT

```

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```

TO      6          DIV          FKG TAPLSP1
PX      2
**
WRFKGT06      220  XMONTH20120301          FKG TAPULS1
TO      6          ADD          BF--GTSAP3
PX      2
**
WRFKGT09          XMONTH20120301          GTAPSUMTR1
TO      2          ADD          LEGT47          CONT
TO      6          DIV          FKG TAPULS1
PX      2
***** WET PULSE*****
WRFKGT10      540  XMONTH20120301          FKG TWPLWP1
TO      6          ADD          BF--GTSWP3
PX      2
WRFKGT11          XMONTH20120301          GTWPWIRTR1
TO      2          ADD          LEGT47          CONT
TO      6          DIV          FKG TWPLWP1
PX      2
WRFKGT10      4050 XMONTH20120301          FKG TWPLSP1
TO      6          ADD          BF--GTSWP3
PX      2
WRFKGT12          XMONTH20120301          GTWPSPRTR1
TO      2          ADD          LEGT47          CONT
TO      6          DIV          FKG TWPLSP1
PX      2
**
WRFKGT10      600  XMONTH20120301          FKG TWPLSP1
TO      6          ADD          BF--GTSWP3
PX      2
**
WRFKGT13          XMONTH20120301          GTWPSUMTR1
TO      2          ADD          LEGT47          CONT
TO      6          DIV          FKG TWPLSP1
PX      2
**

```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

```

***** DRY *****
IFGTD PUL      1910 XMONTH20120301          GTDPLSP1
TO      6          ADD          BF--GT-DP3
FS      5  FKG T04      1      0      1 9999999 2 1 1 4 3 6
PX      2
IFGTD PUL      1910 XMONTH20120301      3          GTDPLSP2
TO      6          ADD          BF--GT-DP3
FS      5  FKG T04      1      0      1 9999999 2 1 1 0 3 6
PX      2
IFGTD PUL      220  XMONTH20120301          GTDPULS1
TO      6          ADD          BF--GT-DP3
FS      5  FKG T05      1      0      1 9999999 2 1 1 4 7 10
PX      2
IFGTD PUL      220 XMONTH20120301      3          GTDPULS2
TO      6          ADD          BF--GT-DP3
FS      5  FKG T05      1      0      1 9999999 2 1 1 0 7 10
PX      2
***** AVG PULSE*****
IFGTASPL      1910 XMONTH20120301          GTASPSP1
TO      6          ADD          BF--GTSAP3
FS      5  FKG T08      1      0      1 9999999 2 1 3 4 3 6
PX      2
IFGTASPL      1910 XMONTH20120301      3          GTASPSP2
TO      6          ADD          BF--GTSAP3
FS      5  FKG T08      1      0      1 9999999 2 1 3 0 3 6
PX      2
IFGTASPL      220  XMONTH20120301          GTASPLS1
TO      6          ADD          BF--GTSAP3
FS      5  FKG T09      1      0      1 9999999 2 1 3 4 7 10
PX      2
IFGTASPL      220 XMONTH20120301      3          GTASPLS2
TO      6          ADD          BF--GTSAP3
FS      5  FKG T09      1      0      1 9999999 2 1 3 0 7 10
PX      2
***** WET PULSE *****
IFGTWSPL      540  XMONTH20120301          GTSWPWP1
TO      6          ADD          BF--GTSWP3
FS      5  FKG T11      1      0      1 9999999 2 1 2 4 11 2
PX      2
IFGTWSPL      540 XMONTH20120301      3          GTSWPWP2
TO      6          ADD          BF--GTSWP3
FS      5  FKG T11      1      0      1 9999999 2 1 2 0 11 2
PX      2
IFGTWSPL      4050 XMONTH20120301          GTSWPSP1
TO      6          ADD          BF--GTSWP3
FS      5  FKG T12      1      0      1 9999999 2 1 2 4 3 6
PX      2

```

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```

IFGTWSPL 4050 XMONTH20120301 3          GTSWPSP2
TO 6          ADD                      BF--GTSWP3
FS 5  FKGT12  1  0          1 9999999 2 1 2 0 3 6
PX 2
IFGTWSPL 600 XMONTH20120301          GTSWPLS1
TO 6          ADD                      BF--GTSWP3
FS 5  FKGT13  1  0          1 9999999 2 1 2 4 7 10
PX 2
IFGTWSPL 600 XMONTH20120301 3          GTSWPLS2
TO 6          ADD                      BF--GTSWP3
FS 5  FKGT13  1  0          1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFGTDPU 20120301          GTDPFIN
TO 13          ADD                      GTDPLSP2  CONT
TO 13          ADD                      GTDPULS2  CONT
TO 16          MUL                      LOWDRY
PX 2
***** AVERAGE *****
IFGTASPL 20120301          GTASPFIN
TO 13          ADD                      GTASPS2  CONT
TO 13          ADD                      GTASPLS2  CONT
TO 16          MUL                      LOWAVG
PX 2
***** WET *****
IFGTWSPL 20120301          GTWSPFIN
TO 13          ADD                      GTSWPWP2  CONT
TO 13          ADD                      GTSWPSP2  CONT
TO 13          ADD                      GTSWPLS2  CONT
TO 16          MUL                      LOWWET
PX 2
**
** LITTLE RIVER NEAR KEMPNER
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMLAKE 20120301          1.0000          DMRLAKE  SB3DUM
TO 2          1.0          LAKE50
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake12 XMONTH20120301          BF--LA-DP1
TO 2          ADD                      DAYSPY          CONT
TO 2          SUB                      LADPND
PX 2
WRFake12 XMONTH20120301          BF--LA-DP2
TO 6          ADD                      BF--LA-DP1  CONT
TO 2          DIV                      DAYSPY
PX 2
WRFake12 13255 LA-DRY20120301          BF--LA-DP3
TO 6          MUL                      BF--LA-DP2
PX 2
*****Avg PULSE DAYS*****
WRFake12 XMONTH20120301          BF--LASAP1
TO 2          ADD                      DAYSPY          CONT
TO 2          SUB                      LAAPND
PX 2
WRFake12 XMONTH20120301          BF--LASAP2
TO 6          ADD                      BF--LASAP1  CONT
TO 2          DIV                      DAYSPY
PX 2
WRFake12 19035 LA-AVG20120301          BF--LASAP3
TO 6          MUL                      BF--LASAP2
PX 2
*****WET PULSE DAYS*****
WRFake12 XMONTH20120301          BF--LASWP1
TO 2          ADD                      DAYSPY          CONT
TO 2          SUB                      LAWPNL
PX 2
WRFake12 XMONTH20120301          BF--LASWP2
TO 6          ADD                      BF--LASWP1  CONT
TO 2          DIV                      DAYSPY
PX 2
WRFake12 27466 LA-WET20120301          BF--LASWP3
TO 6          MUL                      BF--LASWP2
PX 2
*****set subsistence flow*****
IFLASUBS 7232 LA-SUB20120301          LA-SUB1
TO 16          MUL                      LOWDRY
PX 2
*****SET DRY BASE FLOW, *****

```

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



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```

IFLA-DRY 13255 LA-DRY20120301 LA-DRY1
TO 16 MUL LOWDRY
PX 2
WRLANOSB 1 XMONTH20120301 LANOSUB2
FS 12 LOWDRY 0 1 1 9999999 1
PX 2
WRFKLA01 20120301 HOLDLABASE
TO 13 ADD LA-DRY1
PX 2
WRFKLA02 20120301 LAONOFF
TO 2 ADD LAKE50 CONT
TO 6 DIV HOLDLABASE CONT
TO 6 ADD LANOSUB2
PX 2
IFLA-DRY 20120301 LA-DRY2
TO 13 ADD LA-DRY1
FS 5 FKLA02 1 0 1 9999999 1
PX 2
IFLASUBS LA-SUB20120301 2 LA-SUB2
TO 2 ADD LAKE50 CONT
TO 13 SUB LA-SUB1 CONT
TO 2 DIV HALF CONT
TO 13 ADD LA-SUB1
FS 5 FKLA02 0 1 1 9999999 1
PX 2
IFLA-DRY 20120301 LA-DRY3
TO 13 ADD LA-SUB2 CONT
TO 13 MAX LA-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFLA-AVG 19035 LA-AVG20120301 LA-AVG
TO 16 MUL LOWAVG
PX 2
*****SET WET BASE FLOW, *****
IFLA-WET 27466 LA-WET20120301 LA-WET
TO 16 MUL LOWWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKLA02 430 XMONTH20120301 FKLADPLWP1
TO 6 ADD BF--LA-DP3
PX 2
WRFKLA03 XMONTH20120301 LADPWIRTRG
TO 2 ADD LAKE50 CONT
TO 6 DIV FKLADPLWP1
PX 2
WRFKLA02 4020 XMONTH20120301 FKLADPLSP1
TO 6 ADD BF--LA-DP3
PX 2
WRFKLA04 XMONTH20120301 LADPSRTRG
TO 2 ADD LAKE50 CONT
TO 6 DIV FKLADPLSP1
PX 2
**
WRFKLA02 270 XMONTH20120301 FKLADPULS1
TO 6 ADD BF--LA-DP3
PX 2
**
WRFKLA05 XMONTH20120301 LADPSUMTRG
TO 2 ADD LAKE50 CONT
TO 6 DIV FKLADPULS1
PX 2
***** AVERAGE PULSE *****
WRFKLA06 430 XMONTH20120301 FKLAAPLWP1
TO 6 ADD BF--LASAP3
PX 2
WRFKLA07 XMONTH20120301 LAAPWIRTR1
TO 2 ADD LAKE50 CONT
TO 6 DIV FKLAAPLWP1
PX 2
WRFKLA06 4020 XMONTH20120301 FKLAAPLSP1
TO 6 ADD BF--LASAP3
PX 2
WRFKLA08 XMONTH20120301 LAAPSPRTR2
TO 2 ADD LAKE50 CONT
TO 6 DIV FKLAAPLSP1
PX 2
**
WRFKLA06 270 XMONTH20120301 FKLAAPULS1
TO 6 ADD BF--LASAP3
PX 2
**
WRFKLA09 XMONTH20120301 LAAPSUMTR1
    
```

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```

TO 2 ADD LAKE50 CONT
TO 6 DIV FKLAAAPULS1
PX 2
***** WET PULSE*****
WRFKLA10 1150 XMONTH20120301 FKLAWPLWP1
TO 6 ADD BF--LASWP3
PX 2
WRFKLA11 XMONTH20120301 LAKE50 LAWPWIRTR1
TO 2 ADD CONT
TO 6 DIV FKLAWPLWP1
PX 2
WRFKLA10 6860 XMONTH20120301 FKLAWPLSP1
TO 6 ADD BF--LASWP3
PX 2
WRFKLA12 XMONTH20120301 LAKE50 LAWPSRTR1
TO 2 ADD CONT
TO 6 DIV FKLAWPLSP1
PX 2
**
WRFKLA10 680 XMONTH20120301 FKLAWPULS1
TO 6 ADD BF--LASWP3
PX 2
**
WRFKLA13 XMONTH20120301 LAKE50 LAWPSUMTR1
TO 2 ADD CONT
TO 6 DIV FKLAWPULS1
PX 2
**
    
```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

```

***** DRY *****
IFLADPUL 430 XMONTH20120301 LADPLWP1
TO 6 ADD BF--LA-DP3
FS 5 FKLA03 1 0 1 9999999 2 1 1 4 11 2
PX 2
IFLADPUL 430 XMONTH20120301 3 LADPLWP2
TO 6 ADD BF--LA-DP3
FS 5 FKLA03 1 0 1 9999999 2 1 1 0 11 2
PX 2
IFLADPUL 4020 XMONTH20120301 LADPLSP1
TO 6 ADD BF--LA-DP3
FS 5 FKLA04 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFLADPUL 4020 XMONTH20120301 3 LADPLSP2
TO 6 ADD BF--LA-DP3
FS 5 FKLA04 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFLADPUL 270 XMONTH20120301 LADPULS1
TO 6 ADD BF--LA-DP3
FS 5 FKLA05 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFLADPUL 270 XMONTH20120301 3 LADPULS2
TO 6 ADD BF--LA-DP3
FS 5 FKLA05 1 0 1 9999999 2 1 1 0 7 10
PX 2
    
```

```

***** AVG PULSE*****
IFLAASPL 430 XMONTH20120301 LAAPLSW1
TO 6 ADD BF--LASAP3
FS 5 FKLA07 1 0 1 9999999 2 1 3 4 11 2
PX 2
IFLAASPL 430 XMONTH20120301 3 LAAPLSW2
TO 6 ADD BF--LASAP3
FS 5 FKLA07 1 0 1 9999999 2 1 3 0 11 2
PX 2
IFLAASPL 4020 XMONTH20120301 LAASPS1
TO 6 ADD BF--LASAP3
FS 5 FKLA08 1 0 1 9999999 2 1 3 4 3 6
PX 2
IFLAASPL 4020 XMONTH20120301 3 LAASPS2
TO 6 ADD BF--LASAP3
FS 5 FKLA08 1 0 1 9999999 2 1 3 0 3 6
PX 2
IFLAASPL 270 XMONTH20120301 LAASPLS1
TO 6 ADD BF--LASAP3
FS 5 FKLA09 1 0 1 9999999 2 1 3 4 7 10
PX 2
IFLAASPL 270 XMONTH20120301 3 LAASPLS2
TO 6 ADD BF--LASAP3
FS 5 FKLA09 1 0 1 9999999 2 1 3 0 7 10
PX 2
    
```

```

***** WET PULSE *****
IFLAWSP 1150 XMONTH20120301 LASWPWP1
TO 6 ADD BF--LASWP3
FS 5 FKLA11 1 0 1 9999999 2 1 2 4 11 2
PX 2
    
```

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```

IFLAWSPL      1150  XMONTH20120301  3                LASWPWP2
TO           6          ADD                      BF--LASWP3
FS           5  FKLA11      1      0      1 9999999  2  1  2  0 11  2
PX           2
IFLAWSPL      6860  XMONTH20120301                LASWPSP1
TO           6          ADD                      BF--LASWP3
FS           5  FKLA12      1      0      1 9999999  2  1  2  4  3  6
PX           2
IFLAWSPL      6860  XMONTH20120301  3                LASWPSP2
TO           6          ADD                      BF--LASWP3
FS           5  FKLA12      1      0      1 9999999  2  1  2  0  3  6
PX           2
IFLAWSPL      680   XMONTH20120301                LASWPLS1
TO           6          ADD                      BF--LASWP3
FS           5  FKLA13      1      0      1 9999999  2  1  2  4  7 10
PX           2
IFLAWSPL      680   XMONTH20120301  3                LASWPLS2
TO           6          ADD                      BF--LASWP3
FS           5  FKLA13      1      0      1 9999999  2  1  2  0  7 10
PX           2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFLADPUL      20120301                LADPFIN
TO           13          ADD                      LADPLWP2  CONT
TO           13          ADD                      LADPLSP2  CONT
TO           13          ADD                      LADPULS2  CONT
TO           16          MUL                      LOWDRY
PX           2
***** AVERAGE *****
IFLAASPL      20120301                LAAPFIN
TO           13          ADD                      LAAPLSW2  CONT
TO           13          ADD                      LAASPSP2  CONT
TO           13          ADD                      LAASPLS2  CONT
TO           16          MUL                      LOWAVG
PX           2
***** WET*****
IFLAWSPL      20120301                LAWPFIN
TO           13          ADD                      LASWPWP2  CONT
TO           13          ADD                      LASWPSP2  CONT
TO           13          ADD                      LASWPLS2  CONT
TO           16          MUL                      LOWWET
PX           2
**
** LITTLE RIVER NEAR LITTLE RIVER
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMLRLR      20120301      1.0000      DMRLRLR  SB3DUM
TO           2      1.0                      LRLR53
PX           2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE13      XMONTH20120301                BF--LR-DP1
TO           2          ADD                      CONT
TO           2          SUB                      LRDPND
PX           2
WRFAKE13      XMONTH20120301                BF--LR-DP2
TO           6          ADD                      BF--LR-DP1  CONT
TO           2          DIV                      DAYSPY
PX           2
WRFAKE13      62929  LR-DRY20120301                BF--LR-DP3
TO           6          MUL                      BF--LR-DP2
PX           2
*****Avg PULSE DAYS*****
WRFAKE13      XMONTH20120301                BF--LRSAP1
TO           2          ADD                      CONT
TO           2          SUB                      LRASPD
PX           2
WRFAKE13      XMONTH20120301                BF--LRSAP2
TO           6          ADD                      BF--LRSAP1  CONT
TO           2          DIV                      DAYSPY
PX           2
WRFAKE13      91649  LR-AVG20120301                BF--LRSAP3
TO           6          MUL                      BF--LRSAP2
PX           2
*****WET PULSE DAYS*****
WRFAKE13      XMONTH20120301                BF--LRSWP1
TO           2          ADD                      CONT
TO           2          SUB                      LRWSPD
PX           2
WRFAKE13      XMONTH20120301                BF--LRSWP2
TO           6          ADD                      BF--LRSWP1  CONT

```

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```

TO      2          DIV          DAYSPY
PX      2
WRFKLR01 176076 LR-WET20120301          BF--LRSWP3
TO      6          MUL          BF--LRSWP2
PX      2
*****set subsistence flow*****
IFLRSUBS 39776 LR-SUB20120301          LR-SUB1
TO      16         MUL          LOWDRY
PX      2
*****SET DRY BASE FLOW, *****
IFLDRY 62929 LR-DRY20120301          LR-DRY1
TO      16         MUL          LOWDRY
PX      2
WRLRNOSB 1 XMONTH20120301          LRNOSUB2
FS      12 LOWDRY 0 1 1 9999999 1
PX      2
WRFKLR01 20120301          HOLDLRBASE
TO      13         ADD          LR-DRY1
PX      2
WRFKLR02 20120301          LRONOFF
TO      2          ADD          LRLR53          CONT
TO      6          DIV          HOLDLRBASE          CONT
TO      6          ADD          LRNOSUB2
PX      2
IFLDRY 20120301          LR-DRY2
TO      13         ADD          LR-DRY1
FS      5 FKLRO2 1 0 1 9999999 1
PX      2
IFLRSUBS LR-SUB20120301 2          LR-SUB2
TO      2          ADD          LRLR53          CONT
TO      13         SUB          LR-SUB1          CONT
TO      2          DIV          HALF          CONT
TO      13         ADD          LR-SUB1
FS      5 FKLRO2 0 1 1 9999999 1
PX      2
IFLDRY 20120301          LR-DRY3
TO      13         ADD          LR-SUB2          CONT
TO      13         MAX          LR-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFLDRY 91649 LR-AVG20120301          LR-AVG
TO      16         MUL          LOWAVG
PX      2
*****SET WET BASE FLOW, *****
IFLDRY 176076 LR-WET20120301          LR-WET
TO      16         MUL          LOWWET
PX      2
*****
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKLR02 2350 XMONTH20120301          FKLRDPLWP1
TO      6          ADD          BF--LR-DP3
PX      2
WRFKLR03 XMONTH20120301          LRDPWIRTRG
TO      2          ADD          LRLR53          CONT
TO      6          DIV          FKLRDPLWP1
PX      2
WRFKLR02 9760 XMONTH20120301          FKLRDPLSP1
TO      6          ADD          BF--LR-DP3
PX      2
WRFKLR04 XMONTH20120301          LRDPSPRTRG
TO      2          ADD          LRLR53          CONT
TO      6          DIV          FKLRDPLSP1
PX      2
**
WRFKLR02 1560 XMONTH20120301          FKLRDPULS1
TO      6          ADD          BF--LR-DP3
PX      2
**
WRFKLR05 XMONTH20120301          LRDPSPRTRG
TO      2          ADD          LRLR53          CONT
TO      6          DIV          FKLRDPULS1
PX      2
***** AVERAGE PULSE *****
WRFKLR06 2350 XMONTH20120301          FKLRAPLWP1
TO      6          ADD          BF--LRSAP3
PX      2
WRFKLR07 XMONTH20120301          LRDPWIRTR1
TO      2          ADD          LRLR53          CONT
TO      6          DIV          FKLRAPLWP1
PX      2
WRFKLR06 9760 XMONTH20120301          FKLRAPLSP1
TO      6          ADD          BF--LRSAP3
PX      2

```


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```

WRFKLR08      XMONTH20120301      LRLR53      LRAPSPRTR2
TO 2          ADD          CONT
TO 6          DIV          FKLRLAPLSP1
PX 2
**
WRFKLR06      1560 XMONTH20120301      FKLRLAPLSP1
TO 6          ADD          BF--LRSAP3
PX 2
**
WRFKLR09      XMONTH20120301      LRLR53      LRAPSUMTR1
TO 2          ADD          CONT
TO 6          DIV          FKLRLAPLSP1
PX 2
***** WET PULSE*****
WRFKLR10      11800 XMONTH20120301      FKLRLWPLWP1
TO 6          ADD          BF--LRSWP3
PX 2
WRFKLR11      XMONTH20120301      LRLR53      LRWPWIRTR1
TO 2          ADD          CONT
TO 6          DIV          FKLRLWPLWP1
PX 2
WRFKLR10      32200 XMONTH20120301      FKLRLWPLSP1
TO 6          ADD          BF--LRSWP3
PX 2
WRFKLR12      XMONTH20120301      LRLR53      LRWPSRTR1
TO 2          ADD          CONT
TO 6          DIV          FKLRLWPLSP1
PX 2
**
WRFKLR10      5890 XMONTH20120301      FKLRLWPULS1
TO 6          ADD          BF--LRSWP3
PX 2
**
WRFKLR13      XMONTH20120301      LRLR53      LRWPSUMTR1
TO 2          ADD          CONT
TO 6          DIV          FKLRLWPULS1
PX 2
**

```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

```

***** DRY *****
IFLRDPUL      2350 XMONTH20120301      LRDPLWP1
TO 6          ADD          BF--LR-DP3
FS 5          FKLRO3      1      0      1 9999999 2 1 1 4 11 2
PX 2
IFLRDPUL      2350 XMONTH20120301      3      LRDPLWP2
TO 6          ADD          BF--LR-DP3
FS 5          FKLRO3      1      0      1 9999999 2 1 1 0 11 2
PX 2
IFLRDPUL      9760 XMONTH20120301      LRDPLSP1
TO 6          ADD          BF--LR-DP3
FS 5          FKLRO4      1      0      1 9999999 2 1 1 4 3 6
PX 2
IFLRDPUL      9760 XMONTH20120301      3      LRDPLSP2
TO 6          ADD          BF--LR-DP3
FS 5          FKLRO4      1      0      1 9999999 2 1 1 0 3 6
PX 2
IFLRDPUL      1560 XMONTH20120301      LRDPLSP1
TO 6          ADD          BF--LR-DP3
FS 5          FKLRO5      1      0      1 9999999 2 1 1 4 7 10
PX 2
IFLRDPUL      1560 XMONTH20120301      3      LRDPLSP2
TO 6          ADD          BF--LR-DP3
FS 5          FKLRO5      1      0      1 9999999 2 1 1 0 7 10
PX 2

```

```

***** AVG PULSE*****
IFLRASPL      2350 XMONTH20120301      LRAPLSW1
TO 6          ADD          BF--LRSAP3
FS 5          FKLRO7      1      0      1 9999999 2 1 3 4 11 2
PX 2
IFLRASPL      2350 XMONTH20120301      3      LRAPLSW2
TO 6          ADD          BF--LRSAP3
FS 5          FKLRO7      1      0      1 9999999 2 1 3 0 11 2
PX 2
IFLRASPL      9760 XMONTH20120301      LRASPS1
TO 6          ADD          BF--LRSAP3
FS 5          FKLRO8      1      0      1 9999999 2 1 3 4 3 6
PX 2
IFLRASPL      9760 XMONTH20120301      3      LRASPS2
TO 6          ADD          BF--LRSAP3
FS 5          FKLRO8      1      0      1 9999999 2 1 3 0 3 6
PX 2
IFLRASPL      1560 XMONTH20120301      LRASPLS1
TO 6          ADD          BF--LRSAP3
FS 5          FKLRO9      1      0      1 9999999 2 1 3 4 7 10

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```

PX      2
IFLRASPL 1560 XMONTH20120301 3          LRSWPLS2
TO      6          ADD                      BF--LRSAP3
FS      5 FKLRO9  1      0      1 9999999 2 1 3 0 7 10
PX      2
***** WET PULSE *****
IFLRWSPL 11800 XMONTH20120301          LRSWPWP1
TO      6          ADD                      BF--LRSWP3
FS      5 FKLRL1  1      0      1 9999999 2 1 2 4 11 2
PX      2
IFLRWSPL 11800 XMONTH20120301 3          LRSWPWP2
TO      6          ADD                      BF--LRSWP3
FS      5 FKLRL1  1      0      1 9999999 2 1 2 0 11 2
PX      2
IFLRWSPL 32200 XMONTH20120301          LRSWSP1
TO      6          ADD                      BF--LRSWP3
FS      5 FKLRL2  1      0      1 9999999 2 1 2 4 3 6
PX      2
IFLRWSPL 32200 XMONTH20120301 3          LRSWSP2
TO      6          ADD                      BF--LRSWP3
FS      5 FKLRL2  1      0      1 9999999 2 1 2 0 3 6
PX      2
IFLRWSPL 5890 XMONTH20120301          LRSWPLS1
TO      6          ADD                      BF--LRSWP3
FS      5 FKLRL3  1      0      1 9999999 2 1 2 4 7 10
PX      2
IFLRWSPL 5890 XMONTH20120301 3          LRSWPLS2
TO      6          ADD                      BF--LRSWP3
FS      5 FKLRL3  1      0      1 9999999 2 1 2 0 7 10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFLRDPUL 20120301          LRDPFIN
TO      13          ADD                      LRDPLWP2  CONT
TO      13          ADD                      LRDPLSP2  CONT
TO      13          ADD                      LRDPLS2  CONT
TO      16          MUL                      LOWDRY
PX      2
***** AVERAGE *****
IFLRASPL 20120301          LRASPFIN
TO      13          ADD                      LRAPLSW2  CONT
TO      13          ADD                      LRASPS2  CONT
TO      13          ADD                      LRASPLS2  CONT
TO      16          MUL                      LOWAVG
PX      2
***** WET *****
IFLRWSPL 20120301          LRWSPFIN
TO      13          ADD                      LRSWPWP2  CONT
TO      13          ADD                      LRSWPSP2  CONT
TO      13          ADD                      LRSWPLS2  CONT
TO      16          MUL                      LOWWET
PX      2
**
** LITTLE RIVER NEAR CAMERON
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMLRCA 20120301          1.0000          DMRLLRCA  SB3DUM
TO      2      1.0          LRCA58
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE14 XMONTH20120301          BF--CA-DP1
TO      2          ADD                      DAYSPY          CONT
TO      2          SUB                      CADPND
PX      2
WRFAKE14 XMONTH20120301          BF--CA-DP2
TO      6          ADD                      BF--CA-DP1  CONT
TO      2          DIV                      DAYSPY
PX      2
WRFAKE14 83632 CA-DRY20120301          BF--CA-DP3
TO      6          MUL                      BF--CA-DP2
PX      2
*****Avg PULSE DAYS*****
WRFAKE14 XMONTH20120301          BF--CASAP1
TO      2          ADD                      DAYSPY          CONT
TO      2          SUB                      CAASPD
PX      2
WRFAKE14 XMONTH20120301          BF--CASAP2
TO      6          ADD                      BF--CASAP1  CONT
TO      2          DIV                      DAYSPY
PX      2
    
```

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```

WRFKA14 159088 CA-AVG20120301 BF--CASAP3
TO 6 MUL BF--CASAP2
PX 2
*****WET PULSE DAYS*****
WRFKA14 XMONTH20120301 BF--CASWP1
TO 2 ADD DAYSPY CONT
TO 2 SUB CAWSPD
PX 2
WRFKA14 XMONTH20120301 BF--CASWP2
TO 6 ADD BF--CASWP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFKA14 373478 CA-WET20120301 BF--CASWP3
TO 6 MUL BF--CASWP2
PX 2
*****set subsistence flow*****
IFCASUBS 23142 CA-SUB20120301 CA-SUB1
TO 16 MUL LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFCA-DRY 83632 CA-DRY20120301 CA-DRY1
TO 16 MUL LOWDRY
PX 2
WRCANOSB 1 XMONTH20120301 CANOSUB2
FS 12 LOWDRY 0 1 1 9999999 1
PX 2
WRFKA01 20120301 HOLDCABASE
TO 13 ADD CA-DRY1
PX 2
WRFKA02 20120301 CAONOFF
TO 2 ADD LRCA58 CONT
TO 6 DIV HOLDCABASE CONT
TO 6 ADD CANOSUB2
PX 2
IFCA-DRY 20120301 CA-DRY2
TO 13 ADD CA-DRY1
FS 5 FKCA02 1 0 1 9999999 1
PX 2
IFCASUBS CA-SUB20120301 2 CA-SUB2
TO 2 ADD LRCA58 CONT
TO 13 SUB CA-SUB1 CONT
TO 2 DIV HALF CONT
TO 13 ADD CA-SUB1
FS 5 FKCA02 0 1 1 9999999 1
PX 2
IFCA-DRY 20120301 CA-DRY3
TO 13 ADD CA-SUB2 CONT
TO 13 MAX CA-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFCA-AVG 159088 CA-AVG20120301 CA-AVG
TO 16 MUL LOWAVG
PX 2
*****SET WET BASE FLOW, *****
IFCA-WET 373478 CA-WET20120301 CA-WET
TO 16 MUL LOWWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKA02 6680 XMONTH20120301 FKCADPLWP1
TO 6 ADD BF--CA-DP3
PX 2
WRFKA03 XMONTH20120301 CADPWIRTRG
TO 2 ADD LRCA58 CONT
TO 6 DIV FKCADPLWP1
PX 2
WRFKA02 23900 XMONTH20120301 FKCADPLSP1
TO 6 ADD BF--CA-DP3
PX 2
WRFKA04 XMONTH20120301 CADPSRTRG
TO 2 ADD LRCA58 CONT
TO 6 DIV FKCADPLSP1
PX 2
**
WRFKA02 2860 XMONTH20120301 FKCADPULS1
TO 6 ADD BF--CA-DP3
PX 2
**
WRFKA05 XMONTH20120301 CADPSUMTRG
TO 2 ADD LRCA58 CONT
TO 6 DIV FKCADPULS1
PX 2
***** AVERAGE PULSE *****

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```

WRFKCA06 6680 XMONTH20120301 FKCAAPLWP1
TO 6 ADD BF--CASAP3
PX 2
WRFKCA07 XMONTH20120301 CAAPWIRTR1
TO 2 ADD LRCA58 CONT
TO 6 DIV FKCAAPLWP1
PX 2
WRFKCA06 23900 XMONTH20120301 FKCAAPLSP1
TO 6 ADD BF--CASAP3
PX 2
WRFKCA08 XMONTH20120301 CAAPSPRTR2
TO 2 ADD LRCA58 CONT
TO 6 DIV FKCAAPLSP1
PX 2
**
WRFKCA06 2860 XMONTH20120301 FKCAAPULS1
TO 6 ADD BF--CASAP3
PX 2
**
WRFKCA09 XMONTH20120301 CAAPSUMTR1
TO 2 ADD LRCA58 CONT
TO 6 DIV FKCAAPULS1
PX 2
***** WET PULSE*****
WRFKCA10 14900 XMONTH20120301 FKCAWPLWP1
TO 6 ADD BF--CASWP3
PX 2
WRFKCA11 XMONTH20120301 CAWPWIRTR1
TO 2 ADD LRCA58 CONT
TO 6 DIV FKCAWPLWP1
PX 2
WRFKCA10 38400 XMONTH20120301 FKCAWPLSP1
TO 6 ADD BF--CASWP3
PX 2
WRFKCA12 XMONTH20120301 CAWPSPRTR1
TO 2 ADD LRCA58 CONT
TO 6 DIV FKCAWPLSP1
PX 2
**
WRFKCA10 5550 XMONTH20120301 FKCAWPULS1
TO 6 ADD BF--CASWP3
PX 2
**
WRFKCA13 XMONTH20120301 CAWPUSUMTR1
TO 2 ADD LRCA58 CONT
TO 6 DIV FKCAWPULS1
PX 2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFCADPUL 6680 XMONTH20120301 CADPLWP1
TO 6 ADD BF--CA-DP3
FS 5 FKCA03 1 0 1 9999999 2 1 1 4 11 2
PX 2
IFCADPUL 6680 XMONTH20120301 3 CADPLWP2
TO 6 ADD BF--CA-DP3
FS 5 FKCA03 1 0 1 9999999 2 1 1 0 11 2
PX 2
IFCADPUL 23900 XMONTH20120301 CADPLSP1
TO 6 ADD BF--CA-DP3
FS 5 FKCA04 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFCADPUL 23900 XMONTH20120301 3 CADPLSP2
TO 6 ADD BF--CA-DP3
FS 5 FKCA04 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFCADPUL 2860 XMONTH20120301 CADPULS1
TO 6 ADD BF--CA-DP3
FS 5 FKCA05 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFCADPUL 2860 XMONTH20120301 3 CADPULS2
TO 6 ADD BF--CA-DP3
FS 5 FKCA05 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** AVG PULSE*****
IFCAASPL 6680 XMONTH20120301 CAAPLSW1
TO 6 ADD BF--CASAP3
FS 5 FKCA07 1 0 1 9999999 2 1 3 4 11 2
PX 2
IFCAASPL 6680 XMONTH20120301 3 CAAPLSW2
TO 6 ADD BF--CASAP3
FS 5 FKCA07 1 0 1 9999999 2 1 3 0 11 2
PX 2
IFCAASPL 23900 XMONTH20120301 CAASPS1

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```

TO 6 ADD BF--CASAP3
FS 5 FKCA08 1 0 1 9999999 2 1 3 4 3 6
PX 2
IFCAASPL 23900 XMONTH20120301 3 CAASPSP2
TO 6 ADD BF--CASAP3
FS 5 FKCA08 1 0 1 9999999 2 1 3 0 3 6
PX 2
IFCAASPL 2860 XMONTH20120301 CAASPLS1
TO 6 ADD BF--CASAP3
FS 5 FKCA09 1 0 1 9999999 2 1 3 4 7 10
PX 2
IFCAASPL 2860 XMONTH20120301 3 CAASPLS2
TO 6 ADD BF--CASAP3
FS 5 FKCA09 1 0 1 9999999 2 1 3 0 7 10
PX 2
***** WET PULSE *****
IFCAWSPL 14900 XMONTH20120301 CASWPWP1
TO 6 ADD BF--CASWP3
FS 5 FKCA11 1 0 1 9999999 2 1 2 4 11 2
PX 2
IFCAWSPL 14900 XMONTH20120301 3 CASWPWP2
TO 6 ADD BF--CASWP3
FS 5 FKCA11 1 0 1 9999999 2 1 2 0 11 2
PX 2
IFCAWSPL 38400 XMONTH20120301 CASWPSP1
TO 6 ADD BF--CASWP3
FS 5 FKCA12 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFCAWSPL 38400 XMONTH20120301 3 CASWPSP2
TO 6 ADD BF--CASWP3
FS 5 FKCA12 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFCAWSPL 5550 XMONTH20120301 CASWPLS1
TO 6 ADD BF--CASWP3
FS 5 FKCA13 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFCAWSPL 5550 XMONTH20120301 3 CASWPLS2
TO 6 ADD BF--CASWP3
FS 5 FKCA13 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFCADPUL 20120301 CADPFIN
TO 13 ADD CADPLWP2 CONT
TO 13 ADD CADPLSP2 CONT
TO 13 ADD CADPULS2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVERAGE *****
IFCAASPL 20120301 CAASPFIN
TO 13 ADD CAAPLSW2 CONT
TO 13 ADD CAASPSP2 CONT
TO 13 ADD CAASPLS2 CONT
TO 16 MUL LOWAVG
PX 2
***** WET *****
IFCAWSPL 20120301 CAWSPFIN
TO 13 ADD CASWPWP2 CONT
TO 13 ADD CASWPSP2 CONT
TO 13 ADD CASWPLS2 CONT
TO 16 MUL LOWWET
PX 2
**
**BRAZOS RIVER NEAR BRYAN
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRBR 20120301 1.0000 DMRLBRBR SB3DUM
TO 2 1.0 BRBR59
PX 2
**FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE15 XMONTH20120301 BF--BR-DP1
TO 2 ADD DAYSPY CONT
TO 2 SUB BRDFND
PX 2
WRFAKE15 XMONTH20120301 BF--BR-DP2
TO 6 ADD BF--BR-DP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFAKE15 453509 BR-DRY20120301 BF--BR-DP3
TO 6 MUL BF--BR-DP2

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```

PX      2
*****Avg PULSE DAYS*****
WRFAKE15      XMONTH20120301      BF--BRSAP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      BRASPD
PX      2
WRFAKE15      XMONTH20120301      BF--BRSAP2
TO      6      ADD      BF--BRSAP1      CONT
TO      2      DIV      DAYSPY
PX      2
WRFAKE15 733184 BR-AVG20120301      BF--BRSAP3
TO      6      MUL      BF--BRSAP2
PX      2
*****WET PULSE DAYS*****
WRFAKE15      XMONTH20120301      BF--BRSWP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      BRWSPD
PX      2
WRFAKE15      XMONTH20120301      BF--BRSWP2
TO      6      ADD      BF--BRSWP1      CONT
TO      2      DIV      DAYSPY
PX      2
WRFAKE15 1371289 BR-WET20120301      BF--BRSWP3
TO      6      MUL      BF--BRSWP2
PX      2
*****set subsistence flow*****
IFBRSUBS 216959 BR-SUB20120301      BR-SUB1
TO      16      MUL      LOWDRY
PX      2
*****SET DRY BASE FLOW, *****
IFBR-DRY 453509 BR-DRY20120301      BR-DRY1
TO      16      MUL      LOWDRY
PX      2
WRBRNOSB 1 XMONTH20120301      BRNOSUB2
FS      12      LOWDRY      0      1      1 9999999      1
PX      2
WRFKBR01      20120301      HOLDBRBASE
TO      13      ADD      BR-DRY1
PX      2
WRFKBR02      20120301      BRONOFF
TO      2      ADD      BRBR59      CONT
TO      6      DIV      HOLDBRBASE      CONT
TO      6      ADD      BRNOSUB2
PX      2
IFBR-DRY      20120301      BR-DRY2
TO      13      ADD      BR-DRY1
FS      5      FKBR02      1      0      1 9999999      1
PX      2
IFBRSUBS      BR-SUB20120301      2      BR-SUB2
TO      2      ADD      BRBR59      CONT
TO      13      SUB      BR-SUB1      CONT
TO      2      DIV      HALF      CONT
TO      13      ADD      BR-SUB1
FS      5      FKBR02      0      1      1 9999999      1
PX      2
IFBR-DRY      20120301      BR-DRY3
TO      13      ADD      BR-SUB2      CONT
TO      13      MAX      BR-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFBR-AVG 733184 BR-AVG20120301      BR-AVG
TO      16      MUL      LOWAVG
PX      2
*****SET WET BASE FLOW, *****
IFBR-WET 1371289 BR-WET20120301      BR-WET
TO      16      MUL      LOWWET
PX      2
*****
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKBR02 21100 XMONTH20120301      FKBRDPLWP1
TO      6      ADD      BF--BR-DP3
PX      2
WRFKBR03      XMONTH20120301      BRDPWIRTRG
TO      2      ADD      BRBR59      CONT
TO      6      DIV      FKBRDPLWP1
PX      2
WRFKBR02 49000 XMONTH20120301      FKBRDPLSP1
TO      6      ADD      BF--BR-DP3
PX      2
WRFKBR04      XMONTH20120301      BRDPSPRTRG
TO      2      ADD      BRBR59      CONT
TO      6      DIV      FKBRDPLSP1
PX      2
    
```

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**
WRFKBR02 12700 XMONTH20120301          FKBRDPULS1
TO 6          ADD                      BF--BR-DP3
PX 2
**
WRFKBR05          XMONTH20120301          BRDPSUMTRG
TO 2          ADD                      BRBR59          CONT
TO 6          DIV                      FKBRDPULS1
PX 2
***** AVERAGE PULSE *****
WRFKBR06 21100 XMONTH20120301          FKBRAPLWP1
TO 6          ADD                      BF--BRSAP3
PX 2
WRFKBR07          XMONTH20120301          BRAPWIRTR1
TO 2          ADD                      BRBR59          CONT
TO 6          DIV                      FKBRAPLWP1
PX 2
WRFKBR06 49000 XMONTH20120301          FKBRAPLSP1
TO 6          ADD                      BF--BRSAP3
PX 2
WRFKBR08          XMONTH20120301          BRAPSPRTR2
TO 2          ADD                      BRBR59          CONT
TO 6          DIV                      FKBRAPLSP1
PX 2
**
WRFKBR06 12700 XMONTH20120301          FKBRAPULS1
TO 6          ADD                      BF--BRSAP3
PX 2
**
WRFKBR09          XMONTH20120301          BRAPSUMTR1
TO 2          ADD                      BRBR59          CONT
TO 6          DIV                      FKBRAPULS1
PX 2
***** WET PULSE*****
WRFKBR10 41900 XMONTH20120301          FKBRWPLWP1
TO 6          ADD                      BF--BRSWP3
PX 2
WRFKBR11          XMONTH20120301          BRWPWIRTR1
TO 2          ADD                      BRBR59          CONT
TO 6          DIV                      FKBRWPLWP1
PX 2
WRFKBR10 97000 XMONTH20120301          FKBRWPLSP1
TO 6          ADD                      BF--BRSWP3
PX 2
WRFKBR12          XMONTH20120301          BRWPSRTR1
TO 2          ADD                      BRBR59          CONT
TO 6          DIV                      FKBRWPLSP1
PX 2
**
WRFKBR10 20100 XMONTH20120301          FKBRWPLSP1
TO 6          ADD                      BF--BRSWP3
PX 2
**
WRFKBR13          XMONTH20120301          BRWPUMTR1
TO 2          ADD                      BRBR59          CONT
TO 6          DIV                      FKBRWPLSP1
PX 2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFBRDPUL 21100 XMONTH20120301          BRDPLWP1
TO 6          ADD                      BF--BR-DP3
FS 5 FKBR03 1 0 1 9999999 2 1 1 4 11 2
PX 2
IFBRDPUL 21100 XMONTH20120301 3          BRDPLWP2
TO 6          ADD                      BF--BR-DP3
FS 5 FKBR03 1 0 1 9999999 2 1 1 0 11 2
PX 2
IFBRDPUL 49000 XMONTH20120301          BRDPLSP1
TO 6          ADD                      BF--BR-DP3
FS 5 FKBR04 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFBRDPUL 49000 XMONTH20120301 3          BRDPLSP2
TO 6          ADD                      BF--BR-DP3
FS 5 FKBR04 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFBRDPUL 12700 XMONTH20120301          BRDPULS1
TO 6          ADD                      BF--BR-DP3
FS 5 FKBR05 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFBRDPUL 12700 XMONTH20120301 3          BRDPULS2
TO 6          ADD                      BF--BR-DP3
FS 5 FKBR05 1 0 1 9999999 2 1 1 0 7 10
PX 2

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***** AVG PULSE*****
IFBRASPL 21100 XMONTH20120301 BRAPLSW1
TO 6 ADD BF--BRSAP3
FS 5 FKBR07 1 0 1 9999999 2 1 3 4 11 2
PX 2
IFBRASPL 21100 XMONTH20120301 3 BRAPLSW2
TO 6 ADD BF--BRSAP3
FS 5 FKBR07 1 0 1 9999999 2 1 3 0 11 2
PX 2
IFBRASPL 49000 XMONTH20120301 BRASPSP1
TO 6 ADD BF--BRSAP3
FS 5 FKBR08 1 0 1 9999999 2 1 3 4 3 6
PX 2
IFBRASPL 49000 XMONTH20120301 3 BRASPSP2
TO 6 ADD BF--BRSAP3
FS 5 FKBR08 1 0 1 9999999 2 1 3 0 3 6
PX 2
IFBRASPL 12700 XMONTH20120301 BRASPLS1
TO 6 ADD BF--BRSAP3
FS 5 FKBR09 1 0 1 9999999 2 1 3 4 7 10
PX 2
IFBRASPL 12700 XMONTH20120301 3 BRASPLS2
TO 6 ADD BF--BRSAP3
FS 5 FKBR09 1 0 1 9999999 2 1 3 0 7 10
PX 2
***** WET PULSE *****
IFBRWSPL 41900 XMONTH20120301 BRSWPWP1
TO 6 ADD BF--BRSWP3
FS 5 FKBR11 1 0 1 9999999 2 1 2 4 11 2
PX 2
IFBRWSPL 41900 XMONTH20120301 3 BRSWPWP2
TO 6 ADD BF--BRSWP3
FS 5 FKBR11 1 0 1 9999999 2 1 2 0 11 2
PX 2
IFBRWSPL 97000 XMONTH20120301 BRSWPSP1
TO 6 ADD BF--BRSWP3
FS 5 FKBR12 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFBRWSPL 97000 XMONTH20120301 3 BRSWPSP2
TO 6 ADD BF--BRSWP3
FS 5 FKBR12 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFBRWSPL 20100 XMONTH20120301 BRSWPLS1
TO 6 ADD BF--BRSWP3
FS 5 FKBR13 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFBRWSPL 20100 XMONTH20120301 3 BRSWPLS2
TO 6 ADD BF--BRSWP3
FS 5 FKBR13 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFBRDPUL 20120301 BRDPFIN
TO 13 ADD BRDPLWP2 CONT
TO 13 ADD BRDPLSP2 CONT
TO 13 ADD BRDPULS2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVERAGE *****
IFBRASPL 20120301 BRASPFIN
TO 13 ADD BRAPLSW2 CONT
TO 13 ADD BRASPSP2 CONT
TO 13 ADD BRASPLS2 CONT
TO 16 MUL LOWAVG
PX 2
***** WET*****
IFBRWSPL 20120301 BRWSPFIN
TO 13 ADD BRSWPWP2 CONT
TO 13 ADD BRSWPSP2 CONT
TO 13 ADD BRSWPLS2 CONT
TO 16 MUL LOWWET
PX 2
** NAVASOTA RIVER NEAR EASTERLY
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMNAEA 20120301 1.0000 DMRLNAEA SB3DUM
TO 2 1.0 NAEA66
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
    
```


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```

WRFAKE16      XMONTH20120301      BF--EA-DP1
TO 2          ADD                DAYSPY      CONT
TO 2          SUB                EADFPD
PX 2
WRFAKE16      XMONTH20120301      BF--EA-DP2
TO 6          ADD                BF--EA-DP1  CONT
TO 2          DIV                DAYSPY
PX 2
WRFAKE16      5289 EA-DRY20120301      BF--EA-DP3
TO 6          MUL                BF--EA-DP2
PX 2
*****Avg PULSE DAYS*****
WRFAKE16      XMONTH20120301      BF--EASAP1
TO 2          ADD                DAYSPY      CONT
TO 2          SUB                EAASPD
PX 2
WRFAKE16      XMONTH20120301      BF--EASAP2
TO 6          ADD                BF--EASAP1  CONT
TO 2          DIV                DAYSPY
PX 2
WRFAKE16      9871 EA-AVG20120301      BF--EASAP3
TO 6          MUL                BF--EASAP2
PX 2
*****WET PULSE DAYS*****
WRFAKE16      XMONTH20120301      BF--EASWP1
TO 2          ADD                DAYSPY      CONT
TO 2          SUB                EAWSPD
PX 2
WRFAKE16      XMONTH20120301      BF--EASWP2
TO 6          ADD                BF--EASWP1  CONT
TO 2          DIV                DAYSPY
PX 2
WRFAKE16      16378 EA-WET20120301      BF--EASWP3
TO 6          MUL                BF--EASWP2
PX 2
*****set subsistence flow*****
IFEASUBS      723 EA-SUB20120301      EA-SUB1
TO 16         MUL                LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFEA-DRY      5289 EA-DRY20120301      EA-DRY1
TO 16         MUL                LOWDRY
PX 2
WREANOSB      1 XMONTH20120301      EANOSUB2
FS 12 LOWDRY  0 1 1 9999999 1
PX 2
WRFKEA01      20120301      HOLDEABASE
TO 13         ADD                EA-DRY1
PX 2
WRFKEA02      20120301      EAONOFF
TO 2          ADD                NAEA66      CONT
TO 6          DIV                HOLDEABASE  CONT
TO 6          ADD                EANOSUB2
PX 2
IFEA-DRY      20120301      EA-DRY2
TO 13         ADD                EA-DRY1
FS 5 FKEA02  1 0 1 9999999 1
PX 2
IFEASUBS      EA-SUB20120301  2      EA-SUB2
TO 2          ADD                NAEA66      CONT
TO 13         SUB                EA-SUB1      CONT
TO 2          DIV                HALF        CONT
TO 13         ADD                EA-SUB1
FS 5 FKEA02  0 1 1 9999999 1
PX 2
IFEA-DRY      20120301      EA-DRY3
TO 13         ADD                EA-SUB2      CONT
TO 13         MAX                EA-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFEA-AVG      9871 EA-AVG20120301      EA-AVG
TO 16         MUL                LOWAVG
PX 2
*****SET WET BASE FLOW, *****
IFEA-WET      16378 EA-WET20120301      EA-WET
TO 16         MUL                LOWWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKEA02      1610 XMONTH20120301      FKEADPLWP1
TO 6          ADD                BF--EA-DP3
PX 2
WRFKEA03      XMONTH20120301      EADPWIRTRG
    
```

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```

TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEADPLWP1
PX      2
WRFKEA02  4590  XMONTH20120301          FKEADPLSP1
TO      6          ADD          BF--EA-DP3
PX      2
WRFKEA04          XMONTH20120301          EADPSRTRG
TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEADPLSP1
PX      2
**
WRFKEA02      0  XMONTH20120301          FKEADPULS1
TO      6          ADD          BF--EA-DP3
PX      2
**
WRFKEA05          XMONTH20120301          EADPSUMTRG
TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEADPULS1
PX      2
***** AVERAGE PULSE *****
WRFKEA06  1610  XMONTH20120301          FKEAAPLWP1
TO      6          ADD          BF--EASAP3
PX      2
WRFKEA07          XMONTH20120301          EAAPWIRTR1
TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEAAPLWP1
PX      2
WRFKEA06  4590  XMONTH20120301          FKEAAPLSP1
TO      6          ADD          BF--EASAP3
PX      2
WRFKEA08          XMONTH20120301          EAAPSRTR2
TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEAAPLSP1
PX      2
**
WRFKEA06      0  XMONTH20120301          FKEAAPULS1
TO      6          ADD          BF--EASAP3
PX      2
**
WRFKEA09          XMONTH20120301          EAAPSUMTR1
TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEAAPULS1
PX      2
***** WET PULSE*****
WRFKEA10  5440  XMONTH20120301          FKEAWPLWP1
TO      6          ADD          BF--EASWP3
PX      2
WRFKEA11          XMONTH20120301          EAWPWIRTR1
TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEAWPLWP1
PX      2
WRFKEA10  8990  XMONTH20120301          FKEAWPLSP1
TO      6          ADD          BF--EASWP3
PX      2
WRFKEA12          XMONTH20120301          EAWPSRTR1
TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEAWPLSP1
PX      2
**
WRFKEA10  220  XMONTH20120301          FKEAWPULS1
TO      6          ADD          BF--EASWP3
PX      2
**
WRFKEA13          XMONTH20120301          EAWPSUMTR1
TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEAWPULS1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFEADPUL  1610  XMONTH20120301          EADPLWP1
TO      6          ADD          BF--EA-DP3
FS      5  FKEA03      1      0      1 9999999  2  1  1  4 11  2
PX      2
IFEADPUL  1610  XMONTH20120301  3          EADPLWP2
TO      6          ADD          BF--EA-DP3
FS      5  FKEA03      1      0      1 9999999  2  1  1  0 11  2
PX      2
IFEADPUL  4590  XMONTH20120301          EADPLSP1
TO      6          ADD          BF--EA-DP3
FS      5  FKEA04      1      0      1 9999999  2  1  1  4  3  6
PX      2
IFEADPUL  4590  XMONTH20120301  3          EADPLSP2
TO      6          ADD          BF--EA-DP3
    
```

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```

FS 5 FKEA04 1 0 1 9999999 2 1 1 0 3 6
PX 2
***** AVG PULSE*****
IFEASPL 1610 XMONTH20120301 EAAPLSW1
TO 6 ADD BF--EASAP3
FS 5 FKEA07 1 0 1 9999999 2 1 3 4 11 2
PX 2
IFEASPL 1610 XMONTH20120301 3 EAAPLSW2
TO 6 ADD BF--EASAP3
FS 5 FKEA07 1 0 1 9999999 2 1 3 0 11 2
PX 2
IFEASPL 4590 XMONTH20120301 EAASPS1
TO 6 ADD BF--EASAP3
FS 5 FKEA08 1 0 1 9999999 2 1 3 4 3 6
PX 2
IFEASPL 4590 XMONTH20120301 3 EAASPS2
TO 6 ADD BF--EASAP3
FS 5 FKEA08 1 0 1 9999999 2 1 3 0 3 6
PX 2
***** WET PULSE *****
IFEAWSPL 5440 XMONTH20120301 EASWPWP1
TO 6 ADD BF--EASWP3
FS 5 FKEA11 1 0 1 9999999 2 1 2 4 11 2
PX 2
IFEAWSPL 5440 XMONTH20120301 3 EASWPWP2
TO 6 ADD BF--EASWP3
FS 5 FKEA11 1 0 1 9999999 2 1 2 0 11 2
PX 2
IFEAWSPL 8990 XMONTH20120301 EASWSP1
TO 6 ADD BF--EASWP3
FS 5 FKEA12 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFEAWSPL 8990 XMONTH20120301 3 EASWSP2
TO 6 ADD BF--EASWP3
FS 5 FKEA12 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFEAWSPL 220 XMONTH20120301 EASWPLS1
TO 6 ADD BF--EASWP3
FS 5 FKEA13 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFEAWSPL 220 XMONTH20120301 3 EASWPLS2
TO 6 ADD BF--EASWP3
FS 5 FKEA13 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFEADPUL 20120301 EADPFIN
TO 13 ADD EADPLWP2 CONT
TO 13 ADD EADPLSP2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVERAGE *****
IFEASPL 20120301 EAASPFIN
TO 13 ADD EAAPLSW2 CONT
TO 13 ADD EAASPS2 CONT
TO 16 MUL LOWAVG
PX 2
***** WET*****
IFEAWSPL 20120301 EAWSPFIN
TO 13 ADD EASWPWP2 CONT
TO 13 ADD EASWPSP2 CONT
TO 13 ADD EASWPLS2 CONT
TO 16 MUL LOWWET
PX 2
**
**BRAZOS RIVER NEAR HEMPSTEAD
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRHE 20120301 1.0000 DMRLBRHE SB3DUM
TO 2 1.0 BRHE68
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRF17 XMONTH20120301 BF--HE-DP1
TO 2 ADD DAYSPY CONT
TO 2 SUB HEDPND
PX 2
WRF17 XMONTH20120301 BF--HE-DP2
TO 6 ADD BF--HE-DP1 CONT
TO 2 DIV DAYSPY
PX 2

```

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```

WRFKHE17 723373 HE-DRY20120301 BF--HE-DP3
TO 6 MUL BF--HE-DP2
PX 2
*****Avg PULSE DAYS*****
WRFKHE17 XMONTH20120301 BF--HESAP1
TO 2 ADD DAYSPLY CONT
TO 2 SUB HEASPD
PX 2
WRFKHE17 XMONTH20120301 BF--HESAP2
TO 6 ADD BF--HESAP1 CONT
TO 2 DIV DAYSPLY
PX 2
WRFKHE17 1125729 HE-AVG20120301 BF--HESAP3
TO 6 MUL BF--HESAP2
PX 2
*****WET PULSE DAYS*****
WRFKHE17 XMONTH20120301 BF--HESWP1
TO 2 ADD DAYSPLY CONT
TO 2 SUB HEWSPD
PX 2
WRFKHE17 XMONTH20120301 BF--HESWP2
TO 6 ADD BF--HESWP1 CONT
TO 2 DIV DAYSPLY
PX 2
WRFKHE17 2018318 HE-WET20120301 BF--HESWP3
TO 6 MUL BF--HESWP2
PX 2
*****set subsistence flow*****
IFHESUBS 368829 HE-SUB20120301 HE-SUB1
TO 16 MUL LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFHE-DRY 723373 HE-DRY20120301 HE-DRY1
TO 16 MUL LOWDRY
PX 2
WRHENOSB 1 XMONTH20120301 HENOSUB2
FS 12 LOWDRY 0 1 1 9999999 1
PX 2
WRFKHE01 20120301 HOLDHEBASE
TO 13 ADD HE-DRY1
PX 2
WRFKHE02 20120301 HEONOFF
TO 2 ADD BRHE68 CONT
TO 6 DIV HOLDHEBASE CONT
TO 6 ADD HENOSUB2
PX 2
IFHE-DRY 20120301 HE-DRY2
TO 13 ADD HE-DRY1
FS 5 FKHE02 1 0 1 9999999 1
PX 2
IFHESUBS HE-SUB20120301 2 HE-SUB2
TO 2 ADD BRHE68 CONT
TO 13 SUB HE-SUB1 CONT
TO 2 DIV HALF CONT
TO 13 ADD HE-SUB1
FS 5 FKHE02 0 1 1 9999999 1
PX 2
IFHE-DRY 20120301 HE-DRY3
TO 13 ADD HE-SUB2 CONT
TO 13 MAX HE-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFHE-AVG 1125729 HE-AVG20120301 HE-AVG
TO 16 MUL LOWAVG
PX 2
*****SET WET BASE FLOW, *****
IFHE-WET 2018318 HE-WET20120301 HE-WET
TO 16 MUL LOWWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKHE02 49800 XMONTH20120301 FKHEPLWP1
TO 6 ADD BF--HE-DP3
PX 2
WRFKHE03 XMONTH20120301 HEDPWIRTRG
TO 2 ADD BRHE68 CONT
TO 6 DIV FKHEPLWP1
PX 2
WRFKHE02 85000 XMONTH20120301 FKHEPLSP1
TO 6 ADD BF--HE-DP3
PX 2
WRFKHE04 XMONTH20120301 HEDPSPRTRG
TO 2 ADD BRHE68 CONT
    
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TO      6          DIV          FKHEDPULS1
PX      2
**
WRFKHE02  17000  XMONTH20120301          FKHEDPULS1
TO      6          ADD          BF--HE-DP3
PX      2
**
WRFKHE05          XMONTH20120301          HEDPSUMTRG
TO      2          ADD          BRHE68          CONT
TO      6          DIV          FKHEDPULS1
PX      2
***** AVERAGE PULSE *****
WRFKHE06  49800  XMONTH20120301          FKHEAPLWP1
TO      6          ADD          BF--HESAP3
PX      2
WRFKHE07          XMONTH20120301          HEAPWIRTR1
TO      2          ADD          BRHE68          CONT
TO      6          DIV          FKHEAPLWP1
PX      2
WRFKHE06  85000  XMONTH20120301          FKHEAPLSP1
TO      6          ADD          BF--HESAP3
PX      2
WRFKHE08          XMONTH20120301          HEAPSPTTR2
TO      2          ADD          BRHE68          CONT
TO      6          DIV          FKHEAPLSP1
PX      2
**
WRFKHE06  17000  XMONTH20120301          FKHEAPULS1
TO      6          ADD          BF--HESAP3
PX      2
**
WRFKHE09          XMONTH20120301          HEAPSUMTR1
TO      2          ADD          BRHE68          CONT
TO      6          DIV          FKHEAPULS1
PX      2
***** WET PULSE*****
WRFKHE10  125000 XMONTH20120301          FKHEWPLWP1
TO      6          ADD          BF--HESWP3
PX      2
WRFKHE11          XMONTH20120301          HEWPWIRTR1
TO      2          ADD          BRHE68          CONT
TO      6          DIV          FKHEWPLWP1
PX      2
WRFKHE10  219000 XMONTH20120301          FKHEWPLSP1
TO      6          ADD          BF--HESWP3
PX      2
WRFKHE12          XMONTH20120301          HEWPSPTTR1
TO      2          ADD          BRHE68          CONT
TO      6          DIV          FKHEWPLSP1
PX      2
**
WRFKHE10  40900  XMONTH20120301          FKHEWPULS1
TO      6          ADD          BF--HESWP3
PX      2
**
WRFKHE13          XMONTH20120301          HEWPSUMTR1
TO      2          ADD          BRHE68          CONT
TO      6          DIV          FKHEWPULS1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFHEDPUL  49800  XMONTH20120301          HEDPLWP1
TO      6          ADD          BF--HE-DP3
FS      5  FKHE03      1      0      1 9999999  2  1  1  4 11  2
PX      2
IFHEDPUL  49800  XMONTH20120301  3          HEDPLWP2
TO      6          ADD          BF--HE-DP3
FS      5  FKHE03      1      0      1 9999999  2  1  1  0 11  2
PX      2
IFHEDPUL  85000  XMONTH20120301          HEDPLSP1
TO      6          ADD          BF--HE-DP3
FS      5  FKHE04      1      0      1 9999999  2  1  1  4  3  6
PX      2
IFHEDPUL  85000  XMONTH20120301  3          HEDPLSP2
TO      6          ADD          BF--HE-DP3
FS      5  FKHE04      1      0      1 9999999  2  1  1  0  3  6
PX      2
IFHEDPUL  17000  XMONTH20120301          HEDPULS1
TO      6          ADD          BF--HE-DP3
FS      5  FKHE05      1      0      1 9999999  2  1  1  4  7 10
PX      2
IFHEDPUL  17000  XMONTH20120301  3          HEDPULS2
TO      6          ADD          BF--HE-DP3

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```

FS      5  FKHE05      1      0      1 9999999  2  1  1  0  7  10
PX      2
***** AVG PULSE*****
IFHEASPL 49800  XMONTH20120301      HEAPLSW1
TO      6      ADD      BF--HESAP3
FS      5  FKHE07      1      0      1 9999999  2  1  3  4  11  2
PX      2
IFHEASPL 49800  XMONTH20120301  3      HEAPLSW2
TO      6      ADD      BF--HESAP3
FS      5  FKHE07      1      0      1 9999999  2  1  3  0  11  2
PX      2
IFHEASPL 85000  XMONTH20120301      HEASPSP1
TO      6      ADD      BF--HESAP3
FS      5  FKHE08      1      0      1 9999999  2  1  3  4  3  6
PX      2
IFHEASPL 85000  XMONTH20120301  3      HEASPSP2
TO      6      ADD      BF--HESAP3
FS      5  FKHE08      1      0      1 9999999  2  1  3  0  3  6
PX      2
IFHEASPL 17000  XMONTH20120301      HEASPLS1
TO      6      ADD      BF--HESAP3
FS      5  FKHE09      1      0      1 9999999  2  1  3  4  7  10
PX      2
IFHEASPL 17000  XMONTH20120301  3      HEASPLS2
TO      6      ADD      BF--HESAP3
FS      5  FKHE09      1      0      1 9999999  2  1  3  0  7  10
PX      2
***** WET PULSE *****
IFHEWSPL 125000 XMONTH20120301      HESWPWP1
TO      6      ADD      BF--HESWP3
FS      5  FKHE11      1      0      1 9999999  2  1  2  4  11  2
PX      2
IFHEWSPL 125000 XMONTH20120301  3      HESWPWP2
TO      6      ADD      BF--HESWP3
FS      5  FKHE11      1      0      1 9999999  2  1  2  0  11  2
PX      2
IFHEWSPL 219000 XMONTH20120301      HESWPSP1
TO      6      ADD      BF--HESWP3
FS      5  FKHE12      1      0      1 9999999  2  1  2  4  3  6
PX      2
IFHEWSPL 219000 XMONTH20120301  3      HESWPSP2
TO      6      ADD      BF--HESWP3
FS      5  FKHE12      1      0      1 9999999  2  1  2  0  3  6
PX      2
IFHEWSPL 40900  XMONTH20120301      HESWPLS1
TO      6      ADD      BF--HESWP3
FS      5  FKHE13      1      0      1 9999999  2  1  2  4  7  10
PX      2
IFHEWSPL 40900  XMONTH20120301  3      HESWPLS2
TO      6      ADD      BF--HESWP3
FS      5  FKHE13      1      0      1 9999999  2  1  2  0  7  10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFHEDPUL      20120301      HEDPFIN
TO      13      ADD      HEDPLWP2      CONT
TO      13      ADD      HEDPLSP2      CONT
TO      13      ADD      HEDPULS2      CONT
TO      16      MUL      LOWDRY
PX      2
***** AVERAGE *****
IFHEASPL      20120301      HEASPFIN
TO      13      ADD      HEAPLSW2      CONT
TO      13      ADD      HEASPSP2      CONT
TO      13      ADD      HEASPLS2      CONT
TO      16      MUL      LOWAVG
PX      2
***** WET*****
IFHEWSPL      20120301      HEWSPFIN
TO      13      ADD      HESWPWP2      CONT
TO      13      ADD      HESWPSP2      CONT
TO      13      ADD      HESWPLS2      CONT
TO      16      MUL      LOWWET
PX      2
**
**BRAZOS RIVER AT RICHMOND
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRRRI      20120301      1.0000      DMRLBRRRI      SB3DUM
TO      2      1.0      BRR170
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT

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```

** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake18      XMONTH20120301      BF--RC-DP1
TO 2          ADD          DAYSPY          CONT
TO 2          SUB          RCDPND
PX 2
WRFake18      XMONTH20120301      BF--RC-DP2
TO 6          ADD          BF--RC-DP1      CONT
TO 2          DIV          DAYSPY
PX 2
WRFake18      749663      RC-DRY20120301      BF--RC-DP3
TO 6          MUL          BF--RC-DP2
PX 2
*****Avg PULSE DAYS*****
WRFake18      XMONTH20120301      BF--RCSAP1
TO 2          ADD          DAYSPY          CONT
TO 2          SUB          RCASPD
PX 2
WRFake18      XMONTH20120301      BF--RCSAP2
TO 6          ADD          BF--RCSAP1      CONT
TO 2          DIV          DAYSPY
PX 2
WRFake18      1233703      RC-AVG20120301      BF--RCSAP3
TO 6          MUL          BF--RCSAP2
PX 2
*****WET PULSE DAYS*****
WRFake18      XMONTH20120301      BF--RCSWP1
TO 2          ADD          DAYSPY          CONT
TO 2          SUB          RCWSPD
PX 2
WRFake18      XMONTH20120301      BF--RCSWP2
TO 6          ADD          BF--RCSWP1      CONT
TO 2          DIV          DAYSPY
PX 2
WRFake18      2282856      RC-WET20120301      BF--RCSWP3
TO 6          MUL          BF--RCSWP2
PX 2
*****set subsistence flow*****
IFRCSUBS      397757      RC-SUB20120301      RC-SUB1
TO 16         MUL          LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFRC-DRY      749663      RC-DRY20120301      RC-DRY1
TO 16         MUL          LOWDRY
PX 2
WRRCNOSB      1      XMONTH20120301      RCNOSUB2
FS 12         LOWDRY      0      1      1 9999999      1
PX 2
WRFKRC01      20120301      HOLDRCBASE
TO 13         ADD          RC-DRY1
PX 2
WRFKRC02      20120301      RCONOFF
TO 2          ADD          BRRI70          CONT
TO 6          DIV          HOLDRCBASE      CONT
TO 6          ADD          RCNOSUB2
PX 2
IFRC-DRY      20120301      RC-DRY2
TO 13         ADD          RC-DRY1
FS 5          FKRC02      1      0      1 9999999      1
PX 2
IFRCSUBS      RC-SUB20120301      2      RC-SUB2
TO 2          ADD          BRRI70          CONT
TO 13         SUB          RC-SUB1          CONT
TO 2          DIV          HALF          CONT
TO 13         ADD          RC-SUB1
FS 5          FKRC02      0      1      1 9999999      1
PX 2
IFRC-DRY      20120301      RC-DRY3
TO 13         ADD          RC-SUB2          CONT
TO 13         MAX          RC-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFRC-AVG      1233703      RC-AVG20120301      RC-AVG
TO 16         MUL          LOWAVG
PX 2
*****SET WET BASE FLOW, *****
IFRC-WET      2282856      RC-WET20120301      RC-WET
TO 16         MUL          LOWWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKRC02      60600      XMONTH20120301      FKRCDEPLWP1
TO 6          ADD          BF--RC-DP3
    
```

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PX      2
WRFKRC03      XMONTH20120301      RCDPWIRTRG
TO      2      ADD      BRR170      CONT
TO      6      DIV      FKRCPLWP1
PX      2
WRFKRC02      94000 XMONTH20120301      FKRCPLSP1
TO      6      ADD      BF--RC-DP3
PX      2
WRFKRC04      XMONTH20120301      RCDPSPRTRG
TO      2      ADD      BRR170      CONT
TO      6      DIV      FKRCPLSP1
PX      2
**
WRFKRC02      16400 XMONTH20120301      FKRCDPULS1
TO      6      ADD      BF--RC-DP3
PX      2
**
WRFKRC05      XMONTH20120301      RCDPSUMTRG
TO      2      ADD      BRR170      CONT
TO      6      DIV      FKRCDPULS1
PX      2
***** AVERAGE PULSE *****
WRFKRC06      60600 XMONTH20120301      FKRCAPLWP1
TO      6      ADD      BF--RCSAP3
PX      2
WRFKRC07      XMONTH20120301      RCAPWIRTR1
TO      2      ADD      BRR170      CONT
TO      6      DIV      FKRCAPLWP1
PX      2
WRFKRC06      94000 XMONTH20120301      FKRCAPLSP1
TO      6      ADD      BF--RCSAP3
PX      2
WRFKRC08      XMONTH20120301      RCAPSPRTR2
TO      2      ADD      BRR170      CONT
TO      6      DIV      FKRCAPLSP1
PX      2
**
WRFKRC06      16400 XMONTH20120301      FKRCAPULS1
TO      6      ADD      BF--RCSAP3
PX      2
**
WRFKRC09      XMONTH20120301      RCAPSUMTR1
TO      2      ADD      BRR170      CONT
TO      6      DIV      FKRCAPULS1
PX      2
***** WET PULSE*****
WRFKRC10      150000 XMONTH20120301      FKRCWPLWP1
TO      6      ADD      BF--RCSWP3
PX      2
WRFKRC11      XMONTH20120301      RCWPWIRTR1
TO      2      ADD      BRR170      CONT
TO      6      DIV      FKRCWPLWP1
PX      2
WRFKRC10      215000 XMONTH20120301      FKRCWPLSP1
TO      6      ADD      BF--RCSWP3
PX      2
WRFKRC12      XMONTH20120301      RCWPSPRTR1
TO      2      ADD      BRR170      CONT
TO      6      DIV      FKRCWPLSP1
PX      2
**
WRFKRC10      46300 XMONTH20120301      FKRCWPULS1
TO      6      ADD      BF--RCSWP3
PX      2
**
WRFKRC13      XMONTH20120301      RCWPSUMTR1
TO      2      ADD      BRR170      CONT
TO      6      DIV      FKRCWPULS1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFRCDPUL      60600 XMONTH20120301      RCDPLWP1
TO      6      ADD      BF--RC-DP3
FS      5      FKRC03      1      0      1 9999999 2 1 1 4 11 2
PX      2
IFRCDPUL      60600 XMONTH20120301 3      RCDPLWP2
TO      6      ADD      BF--RC-DP3
FS      5      FKRC03      1      0      1 9999999 2 1 1 0 11 2
PX      2
IFRCDPUL      94000 XMONTH20120301      RCDPLSP1
TO      6      ADD      BF--RC-DP3
FS      5      FKRC04      1      0      1 9999999 2 1 1 4 3 6
PX      2
    
```


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```

IFRCDPUL  94000  XMONTH20120301  3          RCDPLSP2
TO 6          ADD                      BF--RC-DP3
FS 5  FKRC04    1      0      1 9999999  2  1  1  0  3  6
PX 2
IFRCDPUL  16400  XMONTH20120301          RCDPULS1
TO 6          ADD                      BF--RC-DP3
FS 5  FKRC05    1      0      1 9999999  2  1  1  4  7 10
PX 2
IFRCDPUL  16400  XMONTH20120301  3          RCDPULS2
TO 6          ADD                      BF--RC-DP3
FS 5  FKRC05    1      0      1 9999999  2  1  1  0  7 10
PX 2
***** AVG PULSE*****
IFRCASPL  60600  XMONTH20120301          RCAPLSW1
TO 6          ADD                      BF--RCSAP3
FS 5  FKRC07    1      0      1 9999999  2  1  3  4 11  2
PX 2
IFRCASPL  60600  XMONTH20120301  3          RCAPLSW2
TO 6          ADD                      BF--RCSAP3
FS 5  FKRC07    1      0      1 9999999  2  1  3  0 11  2
PX 2
IFRCASPL  94000  XMONTH20120301          RCASPSP1
TO 6          ADD                      BF--RCSAP3
FS 5  FKRC08    1      0      1 9999999  2  1  3  4  3  6
PX 2
IFRCASPL  94000  XMONTH20120301  3          RCASPSP2
TO 6          ADD                      BF--RCSAP3
FS 5  FKRC08    1      0      1 9999999  2  1  3  0  3  6
PX 2
IFRCASPL  16400  XMONTH20120301          RCASPLS1
TO 6          ADD                      BF--RCSAP3
FS 5  FKRC09    1      0      1 9999999  2  1  3  4  7 10
PX 2
IFRCASPL  16400  XMONTH20120301  3          RCASPLS2
TO 6          ADD                      BF--RCSAP3
FS 5  FKRC09    1      0      1 9999999  2  1  3  0  7 10
PX 2
***** WET PULSE *****
IFRCWSPL  150000  XMONTH20120301          RCSWPWP1
TO 6          ADD                      BF--RCSWP3
FS 5  FKRC11    1      0      1 9999999  2  1  2  4 11  2
PX 2
IFRCWSPL  150000  XMONTH20120301  3          RCSWPWP2
TO 6          ADD                      BF--RCSWP3
FS 5  FKRC11    1      0      1 9999999  2  1  2  0 11  2
PX 2
IFRCWSPL  215000  XMONTH20120301          RCSWPSP1
TO 6          ADD                      BF--RCSWP3
FS 5  FKRC12    1      0      1 9999999  2  1  2  4  3  6
PX 2
IFRCWSPL  215000  XMONTH20120301  3          RCSWPSP2
TO 6          ADD                      BF--RCSWP3
FS 5  FKRC12    1      0      1 9999999  2  1  2  0  3  6
PX 2
IFRCWSPL  46300  XMONTH20120301          RCSWPLS1
TO 6          ADD                      BF--RCSWP3
FS 5  FKRC13    1      0      1 9999999  2  1  2  4  7 10
PX 2
IFRCWSPL  46300  XMONTH20120301  3          RCSWPLS2
TO 6          ADD                      BF--RCSWP3
FS 5  FKRC13    1      0      1 9999999  2  1  2  0  7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFRCDPUL  20120301          RCDPFIN
TO 13          ADD                      RCDPLWP2    CONT
TO 13          ADD                      RCDPLSP2    CONT
TO 13          ADD                      RCDPULS2    CONT
TO 16          MUL                      LOWDRY
PX 2
***** AVERAGE *****
IFRCASPL  20120301          RCASPFIN
TO 13          ADD                      RCAPLSW2    CONT
TO 13          ADD                      RCASPSP2    CONT
TO 13          ADD                      RCASPLS2    CONT
TO 16          MUL                      LOWAVG
PX 2
***** WET*****
IFRCWSPL  20120301          RCWSPFIN
TO 13          ADD                      RCSWPWP2    CONT
TO 13          ADD                      RCSWPSP2    CONT
TO 13          ADD                      RCSWPLS2    CONT
TO 16          MUL                      LOWWET
PX 2
    
```

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**
**BRAZOS RIVER AT ROSHARON
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRRO      20120301      1.0000      DMRLBRRO  SB3DUM
TO      2      1.0
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFKRO19      XMONTH20120301      BF--RO-DP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      RODPND
PX      2
WRFKRO19      XMONTH20120301      BF--RO-DP2
TO      6      ADD      BF--RO-DP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFKRO19      799871  RO-DRY20120301      BF--RO-DP3
TO      6      MUL      BF--RO-DP2
PX      2
*****Avg PULSE DAYS*****
WRFKRO19      XMONTH20120301      BF--ROSAP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      ROASPD
PX      2
WRFKRO19      XMONTH20120301      BF--ROSAP2
TO      6      ADD      BF--ROSAP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFKRO19      1464255  RO-AVG20120301      BF--ROSAP3
TO      6      MUL      BF--ROSAP2
PX      2
*****WET PULSE DAYS*****
WRFKRO19      XMONTH20120301      BF--ROSWP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      ROWSPD
PX      2
WRFKRO19      XMONTH20120301      BF--ROSWP2
TO      6      ADD      BF--ROSWP1  CONT
TO      2      DIV      DAYSPY
PX      2
WRFKRO19      2904551  RO-WET20120301      BF--ROSWP3
TO      6      MUL      BF--ROSWP2
PX      2
*****set subsistence flow*****
IFROSUBS      310974  RO-SUB20120301      RO-SUB1
TO      16      MUL      LOWDRY
PX      2
*****SET DRY BASE FLOW, *****
IFRO-DRY      799871  RO-DRY20120301      RO-DRY1
TO      16      MUL      LOWDRY
PX      2
WRRONOSB      1  XMONTH20120301      RONOSUB2
FS      12  LOWDRY      0      1      1 9999999  1
PX      2
WRFKRO01      20120301      HOLDROBASE
TO      13      ADD      RO-DRY1
PX      2
WRFKRO02      20120301      ROONOFF
TO      2      ADD      BRRO72      CONT
TO      6      DIV      HOLDROBASE  CONT
TO      6      ADD      RONOSUB2
PX      2
IFRO-DRY      20120301      RO-DRY2
TO      13      ADD      RO-DRY1
FS      5  FKRO02      1      0      1 9999999  1
PX      2
IFROSUBS      RO-SUB20120301  2      RO-SUB2
TO      2      ADD      BRRO72      CONT
TO      13      SUB      RO-SUB1      CONT
TO      2      DIV      HALF      CONT
TO      13      ADD      RO-SUB1
FS      5  FKRO02      0      1      1 9999999  1
PX      2
IFRO-DRY      20120301      RO-DRY3
TO      13      ADD      RO-SUB2      CONT
TO      13      MAX      RO-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFRO-AVG      1464255  RO-AVG20120301      RO-AVG
TO      16      MUL      LOWAVG

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```

PX      2
*****SET WET BASE FLOW, *****
IFRO-WET 2904551  RO-WET20120301  RO-WET
TO      16      MUL      LOWWET
PX      2
*****
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKRO02  94700  XMONTH20120301      FKRODPLWP1
TO      6      ADD      BF--RO-DP3
PX      2
WRFKRO03      XMONTH20120301      RODPWIRTRG
TO      2      ADD      BRRO72      CONT
TO      6      DIV      FKRODPLWP1
PX      2
WRFKRO02  58500  XMONTH20120301      FKRODPLSP1
TO      6      ADD      BF--RO-DP3
PX      2
WRFKRO04      XMONTH20120301      RODPSPRTRG
TO      2      ADD      BRRO72      CONT
TO      6      DIV      FKRODPLSP1
PX      2
**
WRFKRO02  14900  XMONTH20120301      FKRODPULS1
TO      6      ADD      BF--RO-DP3
PX      2
**
WRFKRO05      XMONTH20120301      RODPSUMTRG
TO      2      ADD      BRRO72      CONT
TO      6      DIV      FKRODPULS1
PX      2
***** AVERAGE PULSE *****
WRFKRO06  94700  XMONTH20120301      FKROAPLWP1
TO      6      ADD      BF--ROSAP3
PX      2
WRFKRO07      XMONTH20120301      ROAPWIRTR1
TO      2      ADD      BRRO72      CONT
TO      6      DIV      FKROAPLWP1
PX      2
WRFKRO06  58500  XMONTH20120301      FKROAPLSP1
TO      6      ADD      BF--ROSAP3
PX      2
WRFKRO08      XMONTH20120301      ROAPSPRTR1
TO      2      ADD      BRRO72      CONT
TO      6      DIV      FKROAPLSP1
PX      2
**
WRFKRO06  14900  XMONTH20120301      FKROAPULS1
TO      6      ADD      BF--ROSAP3
PX      2
**
WRFKRO09      XMONTH20120301      ROAPSUMTR1
TO      2      ADD      BRRO72      CONT
TO      6      DIV      FKROAPULS1
PX      2
***** WET PULSE*****
WRFKRO10  168000 XMONTH20120301      FKROWPLWP1
TO      6      ADD      BF--ROSWP3
PX      2
WRFKRO11      XMONTH20120301      ROWPWIRTR1
TO      2      ADD      BRRO72      CONT
TO      6      DIV      FKROWPLWP1
PX      2
WRFKRO10  184000 XMONTH20120301      FKROWPLSP1
TO      6      ADD      BF--ROSWP3
PX      2
WRFKRO12      XMONTH20120301      ROWPSPRTR1
TO      2      ADD      BRRO72      CONT
TO      6      DIV      FKROWPLSP1
PX      2
**
WRFKRO10  39100  XMONTH20120301      FKROWPULS1
TO      6      ADD      BF--ROSWP3
PX      2
**
WRFKRO13      XMONTH20120301      ROWPSUMTR1
TO      2      ADD      BRRO72      CONT
TO      6      DIV      FKROWPULS1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFRODPUL  94700  XMONTH20120301      RODPLWP1
TO      6      ADD      BF--RO-DP3
    
```

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```

FS 5 FKRO03 1 0 1 9999999 2 1 1 4 11 2
PX 2
IFRODPUL 94700 XMONTH20120301 3 RODPLWP2
TO 6 ADD BF--RO-DP3
FS 5 FKRO03 1 0 1 9999999 2 1 1 0 11 2
PX 2
IFRODPUL 58500 XMONTH20120301 RODPLSP1
TO 6 ADD BF--RO-DP3
FS 5 FKRO04 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFRODPUL 58500 XMONTH20120301 3 RODPLSP2
TO 6 ADD BF--RO-DP3
FS 5 FKRO04 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFRODPUL 14900 XMONTH20120301 RODPULS1
TO 6 ADD BF--RO-DP3
FS 5 FKRO05 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFRODPUL 14900 XMONTH20120301 3 RODPULS2
TO 6 ADD BF--RO-DP3
FS 5 FKRO05 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** AVG PULSE*****
IFROASPL 94700 XMONTH20120301 ROAPLSW1
TO 6 ADD BF--ROSAP3
FS 5 FKRO07 1 0 1 9999999 2 1 3 4 11 2
PX 2
IFROASPL 94700 XMONTH20120301 3 ROAPLSW2
TO 6 ADD BF--ROSAP3
FS 5 FKRO07 1 0 1 9999999 2 1 3 0 11 2
PX 2
IFROASPL 58500 XMONTH20120301 ROASPS1
TO 6 ADD BF--ROSAP3
FS 5 FKRO08 1 0 1 9999999 2 1 3 4 3 6
PX 2
IFROASPL 58500 XMONTH20120301 3 ROASPS2
TO 6 ADD BF--ROSAP3
FS 5 FKRO08 1 0 1 9999999 2 1 3 0 3 6
PX 2
IFROASPL 14900 XMONTH20120301 ROASPLS1
TO 6 ADD BF--ROSAP3
FS 5 FKRO09 1 0 1 9999999 2 1 3 4 7 10
PX 2
IFROASPL 14900 XMONTH20120301 3 ROASPLS2
TO 6 ADD BF--ROSAP3
FS 5 FKRO09 1 0 1 9999999 2 1 3 0 7 10
PX 2
***** WET PULSE *****
IFROWSPL 168000 XMONTH20120301 ROSWPWP1
TO 6 ADD BF--ROSWP3
FS 5 FKRO11 1 0 1 9999999 2 1 2 4 11 2
PX 2
IFROWSPL 168000 XMONTH20120301 3 ROSWPWP2
TO 6 ADD BF--ROSWP3
FS 5 FKRO11 1 0 1 9999999 2 1 2 0 11 2
PX 2
IFROWSPL 184000 XMONTH20120301 ROSWPSP1
TO 6 ADD BF--ROSWP3
FS 5 FKRO12 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFROWSPL 184000 XMONTH20120301 3 ROSWPSP2
TO 6 ADD BF--ROSWP3
FS 5 FKRO12 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFROWSPL 39100 XMONTH20120301 ROSWPLS1
TO 6 ADD BF--ROSWP3
FS 5 FKRO13 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFROWSPL 39100 XMONTH20120301 3 ROSWPLS2
TO 6 ADD BF--ROSWP3
FS 5 FKRO13 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFRODPUL 20120301 RODPFIN
TO 13 ADD RODPLWP2 CONT
TO 13 ADD RODPLSP2 CONT
TO 13 ADD RODPULS2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVERAGE *****
IFROASPL 20120301 ROASPFIN
TO 13 ADD ROAPLSW2 CONT
TO 13 ADD ROASPS2 CONT
    
```

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```

TO 13          ADD          ROASPLS2  CONT
TO 16          MUL          LOWAVG
PX 2
***** WET*****
IFROWSPL      20120301      ROWSPFIN
TO 13          ADD          ROSWPWP2  CONT
TO 13          ADD          ROSWPSP2  CONT
TO 13          ADD          ROSWPLS2  CONT
TO 16          MUL          LOWWET
PX 2
**
** End of SB3 Eflows code
**
**** System Operation Modeling - modeling at a priority of 03/02/2012 to preserve prior appropriation
**** relative to 30 TAC 298 environmental flow standards
**** Refill reservoirs with QUNAP.
**WR515531    0.          20120302          C5155_RF2_4  SYSTEM
**WSPOSDOM 522047.          0
**PX 2
**WR515631    0.          20120302          C5156_RF2_4  SYSTEM
**WSGRNBRY 118568.
**PX 2
**WR515731    0.          20120302          C5157_RF2_4  SYSTEM
**WSBRAWHT 50000.          1
**PX 2
**WR515831    0.          20120302          C5158_RF2_4  SYSTEM
**WSAQUILA 31575.          0
**PX 2
**WR515931    0.          20120302          C5159_RF2_4  SYSTEM
**WSPRCTOR 45424.          0
**PX 2
**WR516031    0.          20120302          C5160_RF2_4  SYSTEM
**WSBRABEL 402151.          0          3          -1
**PX 2
**WR516131    0.          20120302          C5161_RF2_4  SYSTEM
**WSSTLHSE 223336.          0
**PX 2
**WR516231    0.          20120302          C5162_RF2_4  SYSTEM
**WSGRGTWN 36934.          0
**PX 2
**WR516331    0.          20120302          C5163_RF2_4  SYSTEM
**WSGRNGER 43158.          0
**PX 2
**WR516431    0.          20120302          C5164_RF2_4  SYSTEM
**WSSMRVLE 128311.          0
**PX 2
**WR516531    0.          20120302          C5165_RF2_4  SYSTEM
**WSLMSTNE 175882.          0
**PX 2
****WR292531  0.          20120302          ALLENS_RF2_4  SYSTEM
****WSALLENS 145533.
****PX 2
****
**** Downstream - Palo Pinto
****
**WRBRPP27 1200.          IND220120302  2  2  0.0000          PLOT2_DS_IND  C5155  PK_DS
**WSPOSDOM 522047.          0
**OR515531
**PX 2
****
**** Dennis
****
**WRBRDE29 50.          IRR220120302  2  2  0.0000          DNNT2_DS_IRR  C5155  PK_DS
**WSPOSDOM 522047.          0
**OR515531
**PX 2
****
**WRBRDE29 1000.          MIN220120302  2  2  0.0000          DNNT2_DS_MIN  C5155  PK_DS
**WSPOSDOM 522047.          0
**OR515531
**PX 2
****
**** Glen Rose
****
**WRBRGR30 200.          IRR220120302  2  2  0.0000          GBYT2_DS_IRR  C5156  GB_SS
**WSGRNBRY 118568.          0
**OR515631 46500          1.0  1.0  0  0  0
**WSPOSDOM 522047.          0
**OR515531 218922          0.5  1.0  0  0  0
**PX 2
****
**WRBRGR30 1000.          MIN220120302  2  2  0.0000          GBYT2_DS_MIN  C5156  GB_DS
**WSGRNBRY 118568.          0

```

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```

**OR515631 46500 1.0 1.0 0 0 0
**WSPOSDOM 522047.
**OR515531 218922 0.5 1.0 0 0 0
**PX 2
****
**** Whitney downstream
****
**** Limit to 10,994 ac-ft yr
**WR433001 10994 XMONTH20120302 8
**TO -7 SUB WTYT2_DS_LIM C5157 WH_DS
**TO -7 SUB WTYT2_DS_IND CONT
**TO -7 SUB WTYT2_DS_INDSYS
****
**** Diversion from Whitney only
**WR433001 11722. IND220120302 2 2 0.0000 WTYT2_DS_IND C5157 WH_DS
**WSBRAWHT 50000. 1
****OR515731 0 2.0 1.0 0 0 0
****WSGRNBRY 118568. 0
****OR515631 46500 1.0 -1 0 0 0
****WSPOSDOM 522047. 0
****OR515531 218922 0.5 1.0 0 0 0
**LO 13 SET WTYT2_DS_LIM
**PX 2
****
**** Backup from system. Change ID to reflect diversion location
****WR433001 0. IRR220120302 2 2 0.0000 WTYT2_DS_IRR C5157 WH_DS
**WR433001 0. IRR220120302 2 2 0.0000 WTYT2_DS_INDSYS C5157 WH_DS
**WSBRAWHT 50000. 1
****OR515731 0 2.0 1.0 0 0 0
****WSGRNBRY 118568. 0
****OR515631 46500 1.0 -1 0 0 0
****WSPOSDOM 522047. 0
****OR515531 218922 0.5 1.0 0 0 0
**BU WTYT2_DS_IND
**LO 13 SET WTYT2_DS_LIM CONT
**LO 6 SUB WTYT2_DS_INDSYS
**PX 2
****
****
**** Backup of Temple.
**** Limit to 26,190 ac-ft yr
****
**WR293831 30453. MUN220120302 2 2 0.0000 BLNT2_DS_TEMPL  C5160 BE_DS
**WSRABEL 402151. 0 3 -1
**OR516031
**SO 26190
**PX 2
****
**** Belton Downstream irrigation - assume at P40121, Belton only
****
**WRP40121 200. IRR220120302 2 2 0.0000 BLNT2_DS_IRR C5160 BE_DS
**WSRABEL 402151. 0 3 -1
**OR516031
**PX 2
****
**** Stillhouse downstream
**WRLABE52 8. IRR320120302 2 2 0.0000 STIT2_DS_IRR C5161 SH_DS
**WSSTLHSE 223336. 0
**OR516131
**PX 2
****
**** Limestone downstream, take all at CON145
****
**** Limit to 7,004 ac-ft yr
****
**WR433001 7004 XMONTH20120302 8
**TO -7 SUB LLST2_DS_LIM C5165 LS_DS
**TO -7 SUB LLST2_DS_MUN CONT
**TO -7 SUB LLST2_DS_TMPA
****
**WRCON145 4000. MUN320120302 2 2 0.0000 LLST2_DS_MUN C5165 LS_DS
**WSLMSTNE 175882. 0
**OR516531
**LO 13 SET LLST2_DS_LIM
**PX 2
****
**** TPA contract amount
****
**WR530701 3600 20120302 2 1 1.0000 DUMGIB LLST2_DS_TMPA C5165 LS_DS
**WSLMSTNE 175882. 0
**OR516531
**LO 13 SET LLST2_DS_LIM CONT
**LO 6 SUB LLST2_DS_MUN
**PX 2
****

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```

****
**** BRA system modeling
****
**** Lorena, Marlin, Rosebud
**** Limit to 2,300 ac-ft/yr
****
**WRBRHB42 2300. MUN220120302 2 2 0.0000 HIBT2_DS_MUN C5157 WH_DS
**WSBRAWHT 50000. 0 1
**OR515731 0 2.0 1.0 0 0 0
****WSGRNBRY 118568. 0
****OR515631 46500 1.0 -1 0 0 0
**WSPOSDOM 522047. 0
**OR515531 218922 0.5 1.0 0 0 0
**WSAQUILA 31575. 35000
**OR515831 35000 1.0 1.0 0 0 0
**SO 2300
**PX 2
****
**** College station - future demand
**** System
**** System - Put at CON122, just below Bryan gage
**** Change to YEGBR since below Bryan gage (BBZT2)
**** Limit to 2650 ac-ft yr
****
**WRCON130 2650 XMONTH20120302 8 YEGBR_DS_LIM C5157 WH_DS
**TO -7 SUB YEGBR_DS_MUN CONT
**TO -7 SUB YEGBR_DS_IRR
****
****WRBRBR59 2500. MUN320120302 2 2 0.0000 BBZT2_DS_MUN C5157 WH_DS
**WRCON122 2500. MUN320120302 2 2 0.0000 YEGBR_DS_MUN C5157 WH_DS
**WSBRAWHT 50000. 0 1
**OR515731 0 2.0 1.0 0 0 0
****WSGRNBRY 118568. 0
****OR515631 46500 1.0 -1 0 0 0
**WSPOSDOM 522047. 0
**OR515531 218922 0.5 1.0 0 0 0
****WSGRNGER 43158. 0
****OR516331 19650 1.0 1.0 0 0 0
****WSGRGTWN 36934. 0
****OR516231 11130 1.0 -1 0 0 0
****WSSTLHSE 223336. 0
****OR516131 70710 1.0 1.0 0 0 0
****WSBRABEL 402151. 0 3 -1
****OR516031 137280 1.0 0.1 0 0 0
**LO 13 SET YEGBR_DS_LIM
**PX 2
****
**** System demand Bryan gage
****
**WRBRBR59 200. IRR320120302 2 2 0.0000 BBZT2_DS_IRR C5157 WH_DS
**WSBRAWHT 50000. 0 1
**OR515731 0 2.0 1.0 0 0 0
****WSGRNBRY 118568. 0
****OR515631 46500 1.0 -1 0 0 0
**WSPOSDOM 522047. 0
**OR515531 218922 0.5 1.0 0 0 0
****WSGRNGER 43158. 0
****OR516331 19650 1.0 1.0 0 0 0
****WSGRGTWN 36934. 0
****OR516231 11130 1.0 -1 0 0 0
****WSSTLHSE 223336. 0
****OR516131 70710 1.0 1.0 0 0 0
****WSBRABEL 402151. 0 3 -1
****OR516031 137280 1.0 0.1 0 0 0
**PX 2
****
****
****
**WRCON130 150. IRR320120302 2 2 0.0000 YEGBR_DS_IRR C5157 WH_DS
**WSBRAWHT 50000. 0 1
**OR515731 0 2.0 1.0 0 0 0
****WSGRNBRY 118568. 0
****OR515631 46500 1.0 -1 0 0 0
**WSPOSDOM 522047. 0
**OR515531 218922 0.5 1.0 0 0 0
****WSGRNGER 43158. 0
****OR516331 19650 1.0 1.0 0 0 0
****WSGRGTWN 36934. 0
****OR516231 11130 1.0 -1 0 0 0
****WSSTLHSE 223336. 0
****OR516131 70710 1.0 1.0 0 0 0
****WSBRABEL 402151. 0 3 -1
****OR516031 137280 1.0 0.1 0 0 0
**LO 13 SET YEGBR_DS_LIM CONT
**LO 6 SUB YEGBR_DS_MUN

```

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```

****PX      2
****
****
**** Alcoa contract
**** Limit to 4583 ac-ft/yr
****
**WR375801    5000      20120302  2  1  1.0000  AL_DUM          GLKT2_DS_IND  C5163  GN_DS
****WSGRNGER  43158.          0
****OR516331  19650      1.0    1.0    0    0    0    0    3    -1
**WSBRABEL 402151.          0
**OR516031  137280      1.0    1.0    0    0    0    0
****WSGRGTWN  36934.          0
****OR516231  11130      0.1    -1    0    0    0    0
**WSSTLHSE 223336.          0
**OR516131  70710      1.0    1.0    0    0    0    0
**SO          4583
**PX      2
****
**** downstream irr - System demand
****
**WRW12421    540.      IRR420120302  2  2  0.0000          NAVBR_DS_IRR  C5164  SO_DS
**WSSMRVLE 128311.          500
**OR516431  48033      1.0    1.0    0    0    0    0
**WSBRAWHT  50000.          0
**OR515731    0      2.0    1.0    0    0    0    0    1
****WSLMSTNE 175882.          0
****OR516531  67620      1.0    1.0    0    0    0    0
****WSGRNBRY 118568.          0
****OR515631  46500      1.0    -1    0    0    0    0
**WSPOSDOM 522047.          0
**OR515531  218922      0.5    1.0    0    0    0    0
****WSGRNGER  43158.          0
****OR516331  19650      1.0    1.0    0    0    0    0
****WSSTLHSE 223336.          0
****OR516131  70710      1.0    1.0    0    0    0    0
****WSBRABEL 402151.          0
****OR516031  137280      1.0    0.1    0    0    0    0    3    -1
****PX      2
****
**** Demands at Richmond
****
**** Limit to 97,072 ac-ft yr
**** not limiting because NRG can be assigned to excess flows
****
**WRBRR170    97072  XMONTH20120302  8          RMOT2_SYS_LIM  C5164  SO_DS
**TO      -7          SUB          RMOT2_SYS_IRR  CONT
**TO      -7          SUB          RMOT2_SYS_NRG  CONT
**TO      -7          SUB          RMOT2_SYS_NRG2
****
****
**WRBRR170    50.      IRR420120302  2  2  0.0000          RMOT2_SYS_IRR  C5164  SO_DS
**WSSMRVLE 128311.          500
**OR516431  48033      1.0    1.0    0    0    0    0
**WSBRAWHT  50000.          0
**OR515731    0      2.0    1.0    0    0    0    0    1
****WSALLENS 145533.          0
****OR292531    0      1.0    1.0
**WSLMSTNE 175882.          0
**OR516531  67620      1.0    -1    0    0    0    0
****WSGRNBRY 118568.          0
****OR515631  46500      1.0    1.0    0    0    0    0
**WSPOSDOM 522047.          0
**OR515531  218922      0.5    1.0    0    0    0    0
****WSGRNGER  43158.          0
****OR516331  19650      1.0    1.0    0    0    0    0
****WSSTLHSE 223336.          0
****OR516131  70710      1.0    1.0    0    0    0    0
****WSBRABEL 402151.          0
****OR516031  137280      1.0    0.1    0    0    0    0    3    -1
****LO      13          SET          RMOT2_SYS_LIM
**PX      2
****
****
**** Rosharon
****
**** Limit to 475,310 ac-ft yr
****
**WRBRRO72  475310  XMONTH20120302  8          ROST2_SYS_LIM  C5164  SO_DS
**TO      -7          SUB          ROST2_SYS_MUN  CONT
**TO      -7          SUB          ROST2_SYS_MUN2  CONT
**TO      -7          SUB          ROST2_SYS_GCWA  CONT
**TO      -7          SUB          ROST2_SYS_GCWA2  CONT
**TO      -7          SUB          ROST2_SYS_DOW  CONT
**TO      -7          SUB          ROST2_SYS_FIXED  CONT

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```

**TO -7 SUB ROST2_SYS_FIXED2 CONT
**TO -7 SUB ROST2_SYS_YIELD2 CONT
**TO -7 SUB ROST2_SYS_YIELD
****
**** Reduce to contract amount
****
**** 1950s drought
**WRBRRO72 12720. MUN420120302 2 2 0.0000 ROST2_SYS_MUN C5164 SO_DS
**WSSMRVLE 128311. 500
**OR516431 48033 1.0 1.0 0 0 0
**WSBRAWHT 50000. 0 1
**OR515731 0 2.0 1.0 0 0 0
****WSALLENS 145533. 0
**OR292531 0 1.0 1.0
**WSLMSTNE 175882. 0
**OR516531 67620 1.0 -1 0 0 0 1000
**WSGRNBRY 118568. 0
**OR515631 46500 0.1 -1 0 0 0
**WSPOSDOM 522047. 0
**OR515531 218922 0.5 0.1 0 0 0
****WSGRNGER 43158. 0
****OR516331 19650 1.0 1.0 0 0 0
****WSSTLHSE 223336. 0
****OR516131 70710 1.0 1.0 0 0 0
****WSBRABEL 402151. 0 3 -1
****OR516031 137280 1.0 1.0 0 0 0
**TO 13 MUL use_drop1 CONT
**LO 13 SET ROST2_SYS_LIM
**PX 2
**** New drought
**WRBRRO72 12720. MUN420120302 2 2 0.0000 ROST2_SYS_MUN2 C5164 SO_DS
**WSSMRVLE 128311. 500
**OR516431 48033 1.0 1.0 0 0 0
**WSBRAWHT 50000. 0 1
**OR515731 0 2.0 1.0 0 0 0
**WSALLENS 145533. 0
**OR292531 0 1.0 1.0
**WSLMSTNE 175882. 0
**OR516531 67620 1.0 -1 0 0 0
****WSGRNBRY 118568. 0
****OR515631 46500 1.0 1.0 0 0 0
**WSPOSDOM 522047. 0
**OR515531 218922 0.5 0.1 0 0 0
****WSGRNGER 43158. 0
****OR516331 19650 1.0 1.0 0 0 0
****WSSTLHSE 223336. 0
****OR516131 70710 1.0 1.0 0 0 0
****WSBRABEL 402151. 0 3 -1
****OR516031 137280 1.0 1.0 0 0 0
**TO 13 MUL use_drop2 CONT
**LO 13 SET ROST2_SYS_LIM CONT
**LO 6 SUB ROST2_SYS_MUN
**PX 2
****
**** NRG backup.
****
**WR532001 20120302 2 1 1.0000 D53251 RMOT2_SYS_NRG C5157 WH_DS
**WSSMRVLE 128311. 500
**OR516431 48033 1.0 1.0 0 0 0
**WSBRAWHT 50000. 0 1
**OR515731 0 2.0 1.0 0 0 0
****WSALLENS 145533. 0
****OR292531 0 1.0 1.0
**WSLMSTNE 175882. 0
**OR516531 67620 1.0 -1 0 0 0 1000
**WSGRNBRY 118568. 0
**OR515631 46500 0.1 -1 0 0 0
**WSPOSDOM 522047. 0
**OR515531 218922 0.5 0.1 0 0 0
****WSGRNGER 43158. 0
****OR516331 19650 1.0 1.0 0 0 0
****WSSTLHSE 223336. 0
****OR516131 70710 1.0 1.0 0 0 0
****WSBRABEL 402151. 0 3 -1
****OR516031 137280 1.0 0.1 0 0 0
**TO 5 SET SMTHRS
****TO 5 SET SMTHRS CONT
**LO 13 SET RMOT2_SYS_LIM CONT
**LO 6 SUB RMOT2_SYS_IRR
**SO 83000
**PX 2
**** Fill Smithers
**WR532531 20120302 1 2 0.0000 FILL_NRG C5157 WH_DS
**WSSMTHRS 17801. 0

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```

**SO                D53251
**PX                2
****
**** Rest of NRG contract - set to 83,000 max diversion of 35,008 under backup and Excess flows = 47,992
**WR532001  83000  IND420120302  2  1  0.0000  RMOT2_SYS_NRG2  C5157  WH_DS
**WSSMRVLE 128311.  500
**OR516431  48033  1.0  1.0  0  0  0
**WSBRAWHT 50000.  0  0  1
**OR515731  0  2.0  1.0  0  0  0
****WSALLENS 145533.  0
****OR292531  0  1.0  1.0
**WSLMSTNE 175882.  0
**OR516531  67620  1.0  -1  0  0  0  6500
**WSGRNBRY 118568.  0
**OR515631  46500  0.1  -1  0  0  0
**WSPOSDOM 522047.  0
**OR515531  218922  0.5  0.1  0  0  0
****WSGRNGER 43158.  0
****OR516331  19650  1.0  1.0  0  0  0
****WSSLHSE 223336.  0
****OR516131  70710  1.0  1.0  0  0  0
****WSBRABEL 402151.  0  3  -1
****OR516031  137280  1.0  0.1  0  0  0
**TO  11  1.0  SUB  RMOT2_SYS_NRG
****TO  11  1.0  SUB  RMOT2_SYS_NRG  CONT
****LO  13  SET  RMOT2_SYS_LIM  CONT
****LO  6  SUB  RMOT2_SYS_IRR  CONT
****LO  6  SUB  RMOT2_SYS_NRG
**PX  2
****
**** GCWA fixed demand
****
**** 1950s drought
**WRCON155  48080  20120302  2  2  0.0000  ROST2_SYS_GCWA  C5164  SO_DS
**WSSMRVLE 128311.  500
**OR516431  48033  1.0  1.0  0  0  0
**WSBRAWHT 50000.  0  0  1
**OR515731  0  2.0  1.0  0  0  0
****WSALLENS 145533.  0
****OR292531  0  1.0  1.0
**WSLMSTNE 175882.  0
**OR516531  67620  1.0  -1  0  0  0  4200
**WSGRNBRY 118568.  0
**OR515631  46500  0.1  -1  0  0  0
****OR515631  46500  1.0  1.0  0  0  0
**WSPOSDOM 522047.  0
**OR515531  218922  0.5  0.1  0  0  0
****WSGRNGER 43158.  0
****OR516331  19650  1.0  1.0  0  0  0
****WSSLHSE 223336.  0
****OR516131  70710  1.0  1.0  0  0  0
****WSBRABEL 402151.  0  3  -1
****OR516031  137280  1.0  1.0  0  0  0
**TO  13  MUL  use_drop1  CONT
**LO  13  SET  ROST2_SYS_LIM  CONT
**LO  6  SUB  ROST2_SYS_MUN  CONT
**LO  6  SUB  ROST2_SYS_MUN2
**PX  2
****
**** new drought
**WRCON155  48080  20120302  2  2  0.0000  ROST2_SYS_GCWA2  C5164  SO_DS
**WSSMRVLE 128311.  500
**OR516431  48033  1.0  1.0  0  0  0
**WSBRAWHT 50000.  0  0  1
**OR515731  0  2.0  1.0  0  0  0
****WSALLENS 145533.  0
****OR292531  0  1.0  1.0
**WSLMSTNE 175882.  0
**OR516531  67620  1.0  -1  0  0  0
****WSGRNBRY 118568.  0
****OR515631  46500  1.0  1.0  0  0  0
**WSPOSDOM 522047.  0
**OR515531  218922  0.5  0.1  0  0  0
****WSGRNGER 43158.  0
****OR516331  19650  1.0  1.0  0  0  0
****WSSLHSE 223336.  0
****OR516131  70710  1.0  1.0  0  0  0
****WSBRABEL 402151.  0  3  -1
****OR516031  137280  1.0  1.0  0  0  0
**TO  13  MUL  use_drop2  CONT
**LO  13  SET  ROST2_SYS_LIM  CONT
**LO  6  SUB  ROST2_SYS_MUN  CONT
**LO  6  SUB  ROST2_SYS_MUN2  CONT
**LO  6  SUB  ROST2_SYS_GCWA

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```

**PX      2
****
**** DOW backup. System
**** Change to a constant amount
**** Move to Rosharon to apply instream flows
****
**WRBRRO72 16000 IND420120302 2 2 0.0000 ROST2_SYS_DOW C5164 SO_DS
**WSSMRVLE 128311. 500
**OR516431 48033 1.0 1.0 0 0 0
**WSBRAWHT 50000. 0 1
**OR515731 0 2.0 1.0 0 0 0
**WSALLENS 145533. 0
**OR292531 0 1.0 1.0
**WSLMSTNE 175882. 0
**OR516531 67620 1.0 -1 0 0 0
**WSGRNBRY 118568. 0
**OR515631 46500 1.0 1.0 0 0 0
**WSPOSDOM 522047. 0
**OR515531 218922 0.5 0.1 0 0 0
****WSGRNGER 43158. 0
****OR516331 19650 1.0 1.0 0 0 0
****WSSTLHSE 223336. 0
****OR516131 70710 1.0 1.0 0 0 0
****WSBRABEL 402151. 0 3 -1
****OR516031 137280 1.0 0.1 0 0 0
**LO 13 SET ROST2_SYS_LIM CONT
**LO 6 SUB ROST2_SYS_MUN CONT
**LO 6 SUB ROST2_SYS_MUN2 CONT
**LO 6 SUB ROST2_SYS_GCWA CONT
**LO 6 SUB ROST2_SYS_GCWA2 CONT
**PX 2
****
****
**** System demand at Rosharon
****
**** Set targets to determine operating scheme
**** calculate percent full in subsystems
**** putting priority date at beginning of timestep
****
**WRBRGM73 1 8 gbpk_stor SYSTEM SYSOPS
**TO -4 SET POSDOM CONT
**TO -4 ADD GRNBRY CONT
**TO 15 640615 DIV
**** HDR - revised for 2070 sed conditions
****TO 15 879739 DIV
****
**WRBRGM73 1 8 other_stor SYSTEM SYSOPS
**TO -4 SET AQUILA CONT
**TO -4 ADD BRAWHT CONT
**TO -4 ADD LMSTNE CONT
**TO -4 ADD SMRVLE CONT
**TO 15 385788 DIV
**** HDR - revised for 2020 sed conditions and No Allens Ck
****TO -4 ADD ALLENS CONT
****TO 15 633443 DIV
**TO 15 487910 DIV
**
**WRBRGM73 1 8 little_stor SYSTEM SYSOPS
**TO -4 SET BRABEL CONT
**TO -4 ADD GRGTWN CONT
**TO -4 ADD GRNGER CONT
**TO -4 ADD PRCTOR CONT
**TO -4 ADD STLHSE CONT
**TO 15 751003 DIV
**** HDR - revised for 2070 sed conditions
****TO 15 843300 DIV
****
**** First condition - if PK and Granbury are above trigger then use 1950s drought operating scheme
**** This will be 1 if GBPK are greater than trigger
****
**WRBRGM73 1.0 XMONTH 1 8 gbpk_gt_max SYSTEM SYSOPS
**TO 13 LIM 0.9700 999999 gbpk_stor
**** This will be 0 if GBPK are greater than trigger
**WRBRGM73 1.0 XMONTH 1 8 gbpk_lt_max SYSTEM SYSOPS
**TO 13 LIM 0.1 gbpk_gt_max
****
**** Next see if other two subsystems are greater than trigger
**** This will be 1 if other reservoirs are greater than trigger
**WRBRGM73 1.0 XMONTH 1 8 other_gt_max SYSTEM SYSOPS
**TO 13 LIM 0.70 999999 other_stor
****
**** This will be 1 if Little River reservoirs are greater than trigger
**WRBRGM73 1.0 XMONTH 1 8 little_gt_max SYSTEM SYSOPS
**TO 13 LIM 0.900 999999 little_stor

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****
**** Combine to single trigger that checks if conditions for flipping to recent drought operating scheme are in place
**** This will be 1 if other subsystems are greater than trigger
**WRBRGM73      1 8                      rest_gt_max  SYSTEM  SYSOPS
**TO 13          SET                      other_gt_max  CONT
**TO 13          MUL                      little_gt_max
**** This will be 0 if other subsystems are greater than trigger
**WRBRGM73      1.0 XMONTH 1 8                      rest_lt_max  SYSTEM  SYSOPS
**TO 13          LIM 0.1                      rest_gt_max
**** Second condition. Add condition that GBPK must be less than trigger. This signals months when you flip
**WRBRGM73      1 8                      start_dr2    SYSTEM  SYSOPS
**TO 13          SET                      rest_gt_max  CONT
**TO 13          MUL                      gbpk_lt_max
****
**** If neither first nor second condition are true, use what happened last month
**** Set to 1 if using 1950s operation scheme
**WRBRGM73      1.0 XMONTH 1 8                      use_drop1_prev SYSTEM  SYSOPS
**TO -13         LIM 0.9                      use_drop1    CONT
**TO 13          MUL                      gbpk_lt_max  CONT
**TO 13          MUL                      rest_lt_max
**** Combine so that this will be greater than 0 when using 1950s drought operating scheme
**WRBRGM73      1 8                      use_drop1    SYSTEM  SYSOPS
**TO 13          SET                      gbpk_gt_max  CONT
**TO 13          ADD                      use_drop1_prev
****
**WRBRGM73      1.0 XMONTH 1 8                      use_drop2_prev SYSTEM  SYSOPS
**TO -13         LIM 0.9                      use_drop2    CONT
**TO 13          MUL                      gbpk_lt_max  CONT
**TO 13          MUL                      rest_lt_max
**WRBRGM73      1 8                      use_drop2    SYSTEM  SYSOPS
**TO 13          SET                      start_dr2    CONT
**TO 13          ADD                      use_drop2_prev
****
**** New drought modeling
****
**WRBRRO72 162000  MUN420120302 2 2 0.0000          ROST2_SYS_FIXED2  SYSTEM  SYSOPS
**WSSMRVLE 128311.          500
**OR516431 48033 1.0 1.0 0 0 0
**WSBRAWHT 50000.          0 1
**OR515731 0 2.0 1.0 0 0 0
****WSALLENS 145533.          0
****OR292531 0 1.0 1.0
**WSLMSTNE 175882.          0
**OR516531 67620 1.0 1.0 0 0 0
****WSGRNBRY 118568.          0
****OR515631 46500 1.0 1.0 0 0 0
**WSPOSDOM 522047.          100
**OR515531 218922 0.7 1.0 0 0 0
****WSGRNGER 43158.          0
****OR516331 19650 1.0 1.0 0 0 0
****WSSLHSE 223336.          0
****OR516131 70710 1.0 1.0 0 0 0
****WSRABEL 402151.          0 3 -1
****OR516031 137280 1.0 0.1 0 0 0
****WSAQUILA 31575.          1000
****OR515831 15720 1.0 1.0 0 0 0 10000
****WSPRCTOR 45424.          40000
****OR515931 40000 1.0 1.0 0 0 0
**TO 13          MUL                      use_drop2    CONT
**LO 13          SET                      ROST2_SYS_LIM CONT
**LO 6           SUB                      ROST2_SYS_MUN CONT
**LO 6           SUB                      ROST2_SYS_MUN2 CONT
**LO 6           SUB                      ROST2_SYS_GCWA CONT
**LO 6           SUB                      ROST2_SYS_GCWA2 CONT
**LO 6           SUB                      ROST2_SYS_DOW
**PX 2
****
**WRBRRO72 254000  MUN420120302 2 2 0.0000          ROST2_SYS_YIELD2  SYSTEM  SYSOPS
**WSSMRVLE 128311.          500
**OR516431 48033 1.0 1.0 0 0 0
**WSBRAWHT 50000.          0 1
**OR515731 0 2.0 1.0 0 0 0
****WSALLENS 145533.          0
**OR292531 0 2.0 1.0
**WSLMSTNE 175882.          0
**OR516531 67620 1.3 1.5 0 0 0
**WSGRNBRY 118568.          0
**OR515631 46500 1.5 1.0 0 0 0
**WSPOSDOM 522047.          100
**OR515531 218922 1.0 1.0 0 0 0
**WSGRNGER 43158.          0
**OR516331 19650 1.0 0.5 0 0 0
**WSSLHSE 223336.          0
**OR516131 70710 0.1 0.5 0 0 0

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**WSBRABEL 402151.          0          3      -1
**OR516031 137280      1.0      1.0      0          0          0
**WSAQUILA 31575.          1000
**OR515831 15720      1.0      1.0      0          0          0 11000
***WSPRCTOR 45424.          40000
***OR515931 40000      1.0      1.0      0          0          0
**TO 13      MUL          use_drop2      CONT
**LO 13      SET          ROST2_SYS_LIM      CONT
**LO 6      SUB          ROST2_SYS_MUN      CONT
**LO 6      SUB          ROST2_SYS_MUN2     CONT
**LO 6      SUB          ROST2_SYS_GCWA     CONT
**LO 6      SUB          ROST2_SYS_GCWA2    CONT
**LO 6      SUB          ROST2_SYS_DOW     CONT
**LO 6      SUB          ROST2_SYS_FIXED2   CONT
**PX 2
****
**** 1950s drought
****
**WRBRRO72 151000  MUN420120302  2  2  0.0000          ROST2_SYS_FIXED  SYSTEM  SYSOPS
**WSSMRVLE 128311.          500
**OR516431 48033      1.0      1.0      0          0          0
**WSBRAWHT 50000.          0          1
**OR515731 0      2.0      1.0      0          0          0
***WSALLENS 145533.          0
***OR292531 0      1.0      1.0
**WSLMSTNE 175882.          6000
**OR516531 67620      1.0      1.0      0          0          0 14800
**WSGRNBRY 118568.          0
**OR515631 46500      0.1      -1          0          0          0
**WSPOSDOM 522047.          30000
**OR515531 218922      1.0      1.0      0          0          0
***WGRNGER 43158.          0
***OR516331 19650      1.0      1.0      0          0          0
***WSSTLHSE 223336.          0
***OR516131 70710      1.0      1.0      0          0          0
***WSBRABEL 402151.          0          3      -1
***OR516031 137280      1.0      0.1      0          0          0
***WSAQUILA 31575.          1000
***OR515831 15720      1.0      1.0      0          0          0 10000
***WSPRCTOR 45424.          40000
***OR515931 40000      1.0      1.0      0          0          0
**TO 13      MUL          use_drop1      CONT
**LO 13      SET          ROST2_SYS_LIM      CONT
**LO 6      SUB          ROST2_SYS_MUN      CONT
**LO 6      SUB          ROST2_SYS_MUN2     CONT
**LO 6      SUB          ROST2_SYS_GCWA     CONT
**LO 6      SUB          ROST2_SYS_GCWA2    CONT
**LO 6      SUB          ROST2_SYS_DOW     CONT
**LO 6      SUB          ROST2_SYS_FIXED2   CONT
**LO 6      SUB          ROST2_SYS_YIELD2   CONT
**PX 2
****
**WRBRRO72 265000  MUN420120302  2  2  0.0000          ROST2_SYS_YIELD  SYSTEM  SYSOPS
**WSSMRVLE 128311.          500
**OR516431 48033      1.0      1.0      0          0          0
**WSBRAWHT 50000.          0          1
**OR515731 0      2.0      1.0      0          0          0
***WSALLENS 145533.          0
***OR292531 0      1.0      1.0
***WSLMSTNE 175882.          0
***OR516531 67620      1.0      -1          0          0          0
**WSGRNBRY 118568.          0
**OR515631 46500      1.0      -1          0          0          0
**WSPOSDOM 522047.          100
**OR515531 218922      0.5      0.1      0          0          0
***WGRNGER 43158.          0
***OR516331 19650      1.0      1.0      0          0          0
***WSSTLHSE 223336.          0
***OR516131 70710      1.0      1.0      0          0          0
***WSBRABEL 402151.          0          3      -1
**OR516031 137280      1.0      0.1      0          0          0
**WSAQUILA 31575.          1000
**OR515831 15720      0.5      0.1      0          0          0 11000
***OR515831 15720      1.0      1.0      0          0          0 10000
***WSPRCTOR 45424.          40000
***OR515931 40000      1.0      1.0      0          0          0
**TO 13      MUL          use_drop1      CONT
**LO 13      SET          ROST2_SYS_LIM      CONT
**LO 6      SUB          ROST2_SYS_MUN      CONT
**LO 6      SUB          ROST2_SYS_MUN2     CONT
**LO 6      SUB          ROST2_SYS_GCWA     CONT
**LO 6      SUB          ROST2_SYS_GCWA2    CONT
**LO 6      SUB          ROST2_SYS_DOW     CONT
**LO 6      SUB          ROST2_SYS_FIXED2   CONT

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**LO      6          SUB          ROST2_SYS_YIELD2  CONT
**LO      6          SUB          ROST2_SYS_FIXED
**PX      2
****
****  refill
****
**WR515531          20120302  1  2  0.0000          PSMT2_DS_FILL  C5155  PK_DS
**WSPOSDOM 522047.          0
**PX      2
****
**WR515631          20120302  1  2  0.0000          GBYT2_DS_FILL  C5156  GB_DS
**WSGRNBRY 118568.          0
**PX      2
****
**WR515731          20120302  1  2  0.0000          WTYT2_DS_FILL  C5157  WH_DS
**WSBRAWHT 50000.          1
**PX      2
****
**WR515831          20120302  1  2  0.0000          ALAT2_DS_FILL  C5158  AQ_DS
**WSAQUILA 31575.          0
**PX      2
****
**WR515931          20120302  1  2  0.0000          PCTT2_DS_FILL  C5159  PR_DS
**WSPRCTOR 45424.          0
**PX      2
****
**WR516031          20120302  1  2  0.0000          BLNT2_DS_FILL  C5160  BE_DS
**WSBRABEL 402151.          0          3          -1
**PX      2
****
**WR516131          20120302  1  2  0.0000          STIT2_DS_FILL  C5161  SH_DS
**WSSLHSE 223336.          0
**PX      2
****
**WR516231          20120302  1  2  0.0000          GGLT2_DS_FILL  C5162  GT_DS
**WSGRGTWN 36934.          0
**PX      2
****
**WR516331          20120302  1  2  0.0000          GLKT2_DS_FILL  C5163  GN_DS
**WSGRNGER 43158.          0
**PX      2
****
**WR516431          20120302  1  2  0.0000          SOMT2_DS_FILL  C5164  SO_DS
**WSSMRVLE 128311.          0
**PX      2
****
**WR516531          20120302  1  2  0.0000          LLST2_DS_FILL  C5165  LS_DS
**WSLMSTNE 175882.          0
**PX      2
****
****WR292531          0.          20120302          ALLENS_RF2_9  SYSTEM
****WSALLENS 145533.
****PX      2
****
****  Pick up any available BRA releases
****
WR515631          99999999  1  2  0.0000          GBYT2_DS_FILL2  C5156  GB_DS
WSGRNBRY 118568.          0
PX      2
****
WR515731          99999999  1  2  0.0000          WTYT2_DS_FILL2  C5157  WH_DS
WSBRAWHT 50000.          1
PX      2
****
****
****  End of System Operation Modeling
****
** Allens Creek refill under Excess Flows permit (CA 5166)
**
**IFBRR170 797121.  DAYS99999999  2  1          IFEXCESS
**  Using new LO record and type 8 water right to set dpetition limits. Won't work with earier versions of WRAP
**  CONT option doesn't seem to be working with LO record, so using type 8 right to set target
**WRAC_LIM 130680  XMONTH99999999  8  1          TARGET_EXCESS  ALLENS  C5166
**TO      6          SUB          TESTWR1
**
**WR292531          99999999  1  1          ALLENS_EXCESS  ALLENS  C5166
**WSALLENS 145533
**ML999999 999999 999999 999999 999999 999999 999999 999999 999999 6000 5000 3000
**SO          292504
**LO      13          TARGET_EXCESS
**PX      2
**SO      130680          292504
** SV/SA RECORDS
** 2070 Sediment Conditions

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**Alcoa 12190 SD												
SV121901	0.	52.	257.	485.	783.	1181.	1685.	2611.	3621.	4839.	6716.	9390.
SA	0.	7.	13.	17.	23.	30.	38.	59.	74.	97.	158.	379.
**Alcoa Inc., App. 12-5816, IO												
SV R5816	0	95.25	126.68	354.72	474.64	1417.9	1696.73	2389.45	3326.04	3645.39	4237.11	4380.45
SA	0	5.69	9.5	21.767	26.31	51.35	60.28	78.43	110.62	125.9	159.2	169
**												
**Alcoa Inc., App. 5803												
SV580331	0.	7.41	26.81	55.85	98.62	159.27	240.89	344.60	476.27	650.02	926.48	936.29
SA	0.0	2.9	4.8	7.3	10.1	14.4	18.4	23.2	29.7	43.7	65.2	65.6
SV580332	0.	22.45	152.53	507.10	1002.25	1625.94	2366.90	3372.88	5043.44	7019.37	9797.05	13492
SA	0.0	2.7	13.5	21.4	28.1	34.2	40.0	68.8	92.4	104.4	118.3	190.5
** SV/SA RECORD FOR WHEELER BRANCH RESERVOIR, APP. 5744												
SV 5744W	0.	307	670	1252	2122	3339	3791	3952	4118	4826	5013	5605
SA	0.	28	45	72	103	143	158	164	169	185	189	200
**												
**Paul Weinman Application 5665												
SV R5665	0.	612.	1224.	1836.								
SA	0.	612.	612.	612.								
**												
SVBRUTIL	0.	20.	62.	400.	600.	1200.	2200.	3750.	5500.	8000.	11000.	15227.
SA	0.	5.	20.	50.	90.	150.	240.	330.	440.	560.	680.	839.
SVBRUSHY	0.	1.	68.	363.	1059.	2208.	3884.	6214.	9269.	13119.	17868.	20608.
SA	0.	1.	33.	115.	234.	341.	497.	668.	860.	1065.	1310.	1430.
SVEGLNST	0.	6498.	11315.	17797.								
SA	0.	1594.	2260.	2926.								
**SVPOSTRE	0.	281.	2561.	7155.	14243.	24154.	37742.	57421.	83420.			
**SA	0.	84.	355.	560.	854.	1128.	1655.	2283.	2915.			
**SVALLENS	0.	719.	2046.	4233.	7276.	11171.	25952.	37803.	63687.	90524.	124692.	145533.
**SA	0.	924.	1775.	2627.	3478.	4329.	5527.	6326.	6616.	6767.	6902.	7003.
SVABILNE	0.	2055.										
SA	0.	595.										
SVALANHN	0.	370.	3972.	9950.	18604.	30428.	37639.	45779.	55021.	65317.	76846.	89959.
SA	0.	231.	470.	727.	1011.	1354.	1533.	1742.	1954.	2177.	2444.	2800.
SVALCOAL	0.	62.	200.	400.	2953.	4944.	7777.	8961.	10146.	10739.	11233.	14378.
SA	0.	5.	30.	74.	315.	450.	586.	641.	696.	723.	752.	880.
SVAQUILA	0.	218.	836.	1869.	3348.	5317.	7739.	10765.	14514.	19038.	24535.	31575.
SA	0.	149.	333.	490.	697.	877.	1071.	1352.	1645.	1979.	2417.	3084.
SVBELTON	0.	1548.	7014.	20029.	41541.	74811.	122040.	182918.	263607.	312414.	366569.	414151.
SA	0.	309.	889.	1680.	2688.	4051.	5332.	6922.	9203.	10308.	11354.	12445.
SVBFSPRG	0.	51.	215.	532.	1036.	1829.						
SA	0.	21.	45.	82.	120.	183.						
SVCAMCRK	0.	29.	193.	584.	1209.	2062.	3122.	4360.	5036.			
SA	0.	29.	136.	255.	370.	481.	576.	658.	695.			
SVCISCO	0.	42.	239.	665.	1578.	3283.	5988.	8331.	10094.	16414.	25389.	
SA	0.	6.	29.	67.	126.	210.	330.	436.	506.	733.	1050.	
SVDANIEL	0.	200.	407.	863.	1342.	1980.	2794.	3786.	4970.	6356.	7972.	8883.
SA	0.	39.	106.	203.	279.	363.	452.	543.	640.	747.	867.	948.
SVFPNHR	0.	55.	160.	602.	1493.	3833.	5562.	11288.	18971.	28949.	42089.	61598.
SA	0.	48.	92.	213.	397.	784.	947.	1330.	1740.	2279.	2912.	4213.
SVGRGTWN	0.	115.	801.	2350.	4895.	8422.	13180.	19533.	23267.	27388.	31936.	36934.
SA	0.	35.	133.	258.	384.	511.	686.	890.	981.	1084.	1191.	1307.
SVGIBCRK	0.	99.	537.	1598.	2832.	4498.	6338.	9083.	12156.	19594.	24094.	
SA	0.	118.	299.	535.	697.	884.	1048.	1341.	1582.	1952.	2328.	
SVEDLGRM	0.	11.	81.	266.	550.	3356.	8873.	17475.	30221.			
SA	0.	15.	90.	167.	235.	639.	1053.	1611.	2444.			
SVGRNBRY	0.	260.	1483.	4508.	10013.	18815.	31370.	50047.	62793.	78475.	97982.	118568.
SA	0.	102.	336.	686.	1192.	1745.	2524.	3830.	4674.	5858.	7022.	8172.
SVGRNGER	0.	3.	172.	767.	1767.	3124.	4906.	7136.	9855.	13133.	43158.	
SA	0.	11.	172.	413.	583.	780.	1002.	1240.	1490.	1787.	4159.	
SVHUBBRD	0.	1156.	3054.	6215.	10757.	32339.	73370.	103770.	141998.	189096.	245432.	312357.
SA	0.	426.	845.	1270.	1747.	3245.	5662.	7245.	9083.	10972.	12994.	14922.
SVKIRBY	0.	212.	1165.	3304.	3871.	5009.						
SA	0.	82.	299.	555.	577.	680.						
SVLAKECR	0.	61.	190.	359.	991.	1464.	1996.	3473.	4425.	5480.	6711.	7196.
SA	0.	30.	59.	92.	165.	195.	248.	348.	400.	458.	518.	552.
SVLDAVIS	0.	17.	76.	191.	373.	630.	985.	1482.	2160.	3028.	3411.	
SA	0.	17.	41.	75.	108.	149.	206.	291.	388.	481.	547.	
SVLKLEON	0.	200.	1648.	3059.	4045.	5315.	6800.	10563.	12875.	18332.	21549.	25828.
SA	0.	42.	221.	350.	451.	551.	651.	864.	975.	1205.	1377.	1600.
SVLKWACO	0.	874.	9499.	22664.	43859.	67794.	128933.	170067.				
SA	0.	723.	2068.	3180.	4012.	4823.	6741.	8190.				
SVLMSTNE	0.	233.	2808.	5412.	9021.	13482.	18729.	25027.	32902.	42404.	53529.	175882.
SA	0.	265.	1072.	1533.	2042.	2409.	2866.	3466.	4337.	5165.	5950.	12486.
SVMEXIA	0.	27.	114.	311.	642.	2156.	3323.					
SA	0.	41.	101.	184.	337.	771.	1009.					
SVMLRCRK	0.	112.	688.	1946.	5142.	9186.	12811.					
SA	0.	124.	330.	589.	1133.	1711.	2437.					
SVMNLWL	0.	47.	288.	608.	974.	1414.	1913.	2451.	3114.	3942.	5024.	
SA	0.	98.	146.	172.	196.	238.	260.	278.	391.	429.	477.	
SVPLPNTD	0.	110.	752.	2400.	4568.	11232.	20263.	24505.				
SA	0.	52.	239.	411.	696.	1506.	2051.	2176.				
SVCLEBRN	0.	204.	463.	980.	1848.	2798.	4235.	5835.	8255.	10943.	17867.	22350.
SA	0.	60.	133.	214.	301.	404.	552.	680.	843.	1016.	1400.	1568.

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SVPOSDOM	0.	475.	5529.	16126.	34296.	62947.	103998.	158662.	229641.	324480.	454281.	522047.
SA	0.	210.	793.	1332.	2325.	3473.	4760.	6213.	8120.	11034.	15837.	17914.
SVPRCTOR	0.	219.	875.	2166.	4565.	8388.	13773.	20657.	24952.	30414.	36521.	45424.
SA	0.	177.	302.	543.	1057.	1493.	2056.	2565.	3328.	3857.	4306.	4615.
SVSMTHRS	0.	56.	842.	2037.	3426.	4991.	6737.	8665.	10766.	13015.	15373.	17801.
SA	0.	477.	1088.	1300.	1475.	1656.	1833.	2021.	2182.	2316.	2398.	2457.
SVSMRVLE	0.	183.	2622.	8697.	18477.	33278.	53162.	64715.	77526.	91566.	106705.	128311.
SA	0.	278.	1415.	2584.	3970.	5800.	7354.	8114.	8964.	9746.	10411.	11395.
SVSQWCRK	0.	2694.	5232.	9173.	15539.	22295.	31712.	42250.	57527.	74473.	116466.	143399.
SA	0.	255.	361.	504.	724.	920.	1152.	1426.	1750.	2061.	2748.	3169.
SVSTMFRD	0.	167.	594.	1390.	4325.	9358.	13008.	17630.	23234.	29896.	37943.	42618.
SA	0.	140.	286.	519.	971.	1603.	2056.	2571.	3025.	3664.	4386.	4869.
SVSTLHSE	0.	137.	2023.	12339.	22041.	36219.	55694.	81352.	114153.	156437.	210777.	223336.
SA	0.	63.	301.	778.	1177.	1682.	2241.	2907.	3685.	4809.	6129.	6429.
SVLSWEET	0.	174.	539.	1159.	2099.	3350.	4926.	6939.	9482.	10343.	12631.	16488.
SA	0.	51.	95.	154.	223.	278.	353.	453.	564.	585.	696.	844.
SVTRCLRK	0.	71.	462.	1556.	3575.	6580.	10657.	15933.	22586.	30864.	34681.	35427.
SA	0.	26.	131.	308.	500.	703.	929.	1182.	1480.	1831.	1984.	2027.
SVTWOAK	0.	162.	399.	894.	3005.	6766.	9336.	12375.	15916.	19983.	24580.	27333.
SA	0.	84.	148.	331.	729.	1165.	1399.	1635.	1905.	2162.	2419.	2619.
SVWHTRVR	0.	3347.										
SA	0.	1642.										
SVBRAWHT	0.	4651.	16896.	37882.	103841.	170389.	253238.	356948.	495053.			
SA	0.	827.	2153.	3747.	6455.	10290.	13241.	16721.	23220.			

** FNI change - drought index 1 and 2 for PK FERC requirements (990 feet and 994.5 feet)

DI	1	1	POSDOM				
IS	4	0	447219	447220	5220472		
IP		0	0	100	100		

DI	2	1	POSDOM				
IS	4	0	383664	383665	5220472		
IP		0	0	100	100		

** Drought index for Whitney hydropower
 ** Elevations 520, 527, 530 and 533

DI	3	2	BRAWHT	CORWHT			
IS	6	0	377668	377669	436361	436362	495054
IP		21.78	21.78	44.28	44.28	100	100

DI	4	2	BRAWHT	CORWHT			
IS	4	0	272080	272081	495054		
IP		0	0	100	100		

EA	1	2	BRAWHT	CORWHT			
EA	2	2	LKWACO	WACO2	WACO4		
EA	3	2	BELTON	BRABEL			

** FNI change

**IS	4	0	28374	28375	36856		
**DI	5	3	WHITNY	BRA	CORWHT		
**IS	4	0	387024	387025	636100		
**IP		0	0	100	100		
**EA	1	2	WHITNY	BRA	CORWHT		
**EA	2	2	LKWACO	WACO2	WACO4	WACO5	

** END OF FILE
 ED

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



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WAM INPUT FILE FOR 2070 WITH SYSTEM OPERATIONS (.DAT FILE)

```

T1 FULL AUTHORIZATION -- Brazos River Basin & San Jacinto-Brazos Coastal Basin
T2 System Operation model for WMP
T3 New Appropriation Run - All Return Flows
**
** New Appropriations Run - Allens Creek, All return flows
**
** New appropriation determined at Richmond
**
** Modifications include
**
** (1) Zero 1949 Priority Brazos Electric Cooperative WR downstream of Belton (CP 293901)
** (5) Added option excluding released water for Hale clause rights (now in cc 34 instead of 44)
** (6) Modified Stillhouse-Georgetown pipeline, Belton to Stillhouse pipeline as well
** (7) BRA System Operation based on application run, but with demand at expected locations
** (8) Demands are full use of existing contracts plus new needs identified in regional water plans
**
** FNI modifications can be found by searching for the string "FNI change"
**
**
** JD FIELDS
** NYRS YRST ICHECK CPOUT OUTWR IDSET ADJINC NEGINC EPADJ
JD 76 1940 1 0 0 5 -1
**JO 2 3
JO 2 3
**JO 1 2
**
** UC RECORDS
**
UCLYTEST 116 112 100 148 738 1142
UC 354 210 500 270 177 148
** DOUBLE MOUNTAIN FORK NEAR ASPERMONT
UCDM-SUB 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCDM-DRY 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCDM-AVG 246 224 184 178 184 178
UC 123 123 119 123 238 246
UCDM-WET 921 839 491 475 491 475
UC 430 430 416 430 891 921
** SALT FORK NEAR ASPERMONT
UCSF-SUB 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCSF-DRY 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCSF-AVG 246 224 123 119 123 119
UC 61 61 59 61 238 246
UCSF-WET 552 503 307 297 307 297
UC 184 184 178 184 535 552
** BRAZOS RIVER NEAR SEYMOUR
UCSM-SUB 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCSM-DRY 614 559 430 416 430 416
UC 246 246 238 246 594 614
UCSM-AVG 1535 1398 1166 1129 1166 1129
UC 798 798 772 798 1485 1535
UCSM-WET 2823 2573 2148 2079 2148 2079
UC 1964 1964 1901 1964 2732 2823
** CLEAR FORK AT NUGENT
UCNU-SUB 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCNU-DRY 307 280 184 178 184 178
UC 61 61 59 61 297 307
UCNU-AVG 491 447 368 356 368 356
UC 246 246 238 246 475 491
UCNU-WET 798 727 737 713 737 713
UC 552 552 535 552 772 798
** CLEAR FORK AT LUEDERS
UCLU-SUB 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCLU-DRY 430 392 246 238 246 238
UC 61 61 59 61 416 430
UCLU-AVG 614 559 430 416 430 416
UC 307 307 297 307 594 614
UCLU-WET 982 895 921 891 921 891
UC 675 675 653 675 950 982
** BRAZOS NEAR SOUTH BEND
UCSB-SUB 61 56 61 59 61 59
UC 61 61 59 61 59 61
UCSB-DRY 2210 2014 1780 1723 1780 1723
UC 982 982 950 982 2138 2210
UCSB-AVG 4481 4083 3683 3564 3683 3564

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UC	2823	2823	2732	2823	4336	4481
UCSB-WET	7366	6712	6138	5940	6138	5940
UC	5831	5831	5643	5831	7128	7366
** BRAZOS NEAR PALO PINTO						
UCPP-SUB	1043	951	1043	1010	1043	1010
UC	1043	1043	1010	1043	1010	1043
UCPP-DRY	2455	2237	2394	2317	2394	2317
UC	2455	2455	2376	2455	2376	2455
UCPP-AVG	3744	3412	4604	4455	4604	4455
UC	4419	4419	4277	4419	3623	3744
UCPP-WET	6138	5594	7366	7128	7366	7128
UC	7366	7366	7128	7366	5940	6138
** BRAZOS NEAR GLEN ROSE						
UCGR-SUB	982	895	982	950	982	950
UC	982	982	950	982	950	982
UCGR-DRY	2578	2349	2885	2792	2885	2792
UC	2271	2271	2198	2271	2495	2578
UCGR-AVG	4726	4307	5647	5465	5647	5465
UC	4297	4297	4158	4297	4574	4726
UCGR-WET	9821	8950	10435	10098	10435	10098
UC	9821	9821	9504	9821	9504	9821
** NORTH BOSQUE RIVER NEAR CLIFTON						
UCNB-SUB	61	56	61	59	61	59
UC	61	61	59	61	59	61
UCNB-DRY	307	280	430	416	430	416
UC	184	184	178	184	297	307
UCNB-AVG	737	671	982	950	982	950
UC	491	491	475	491	713	737
UCNB-WET	1535	1398	2026	1960	2026	1960
UC	1043	1043	1010	1043	1485	1535
** BRAZOS AT WACO						
UCWA-SUB	3437	3132	3437	3326	3437	3326
UC	3437	3437	3326	3437	3326	3437
UCWA-DRY	7366	6712	9207	8910	9207	8910
UC	8593	8593	8316	8593	7128	7366
UCWA-AVG	12890	11746	16573	16038	16573	16038
UC	15345	15345	14850	15345	12474	12890
UCWA-WET	29462	26849	42352	40986	42352	40986
UC	36214	36214	35046	36214	28512	29462
** LEON RIVER AT GATESVILLE						
UCGT-SUB	61	56	61	59	61	59
UC	61	61	59	61	59	61
UCGT-DRY	552	503	614	594	614	594
UC	246	246	238	246	535	552
UCGT-AVG	1228	1119	1473	1426	1473	1426
UC	737	737	713	737	1188	1228
UCGT-WET	3192	2909	3315	3208	3315	3208
UC	1657	1657	1604	1657	3089	3192
** LAMPASAS RIVER NEAR KEMPNER						
UCLA-SUB	614	559	614	594	614	594
UC	614	614	594	614	594	614
UCLA-DRY	1105	1007	1289	1247	1289	1247
UC	982	982	950	982	1069	1105
UCLA-AVG	1657	1510	1780	1723	1780	1723
UC	1412	1412	1366	1412	1604	1657
UCLA-WET	2394	2181	2639	2554	2639	2554
UC	1964	1964	1901	1964	2317	2394
** LITTLE RIVER NEAR LITTLE RIVER						
UCLR-SUB	3376	3076	3376	3267	3376	3267
UC	3376	3376	3267	3376	3267	3376
UCLR-DRY	5033	4587	5831	5643	5831	5643
UC	5156	5156	4990	5156	4871	5033
UCLR-AVG	6752	6153	9207	8910	9207	8910
UC	7366	7366	7128	7366	6534	6752
UCLR-WET	11662	10628	20869	20196	20869	20196
UC	12276	12276	11880	12276	11286	11662
** LITTLE RIVER NEAR CAMERON						
UCCA-SUB	1964	1790	1964	1901	1964	1901
UC	1964	1964	1901	1964	1901	1964
UCCA-DRY	6752	6153	8593	8316	8593	8316
UC	5954	5954	5762	5954	6534	6752
UCCA-AVG	11662	10628	19028	18414	19028	18414
UC	9821	9821	9504	9821	11286	11662
UCCA-WET	28235	25730	46649	45144	46649	45144
UC	20255	20255	19602	20255	27324	28235
** BRAZOS AT BRYAN						
UCBR-SUB	18414	16781	18414	17820	18414	17820
UC	18414	18414	17820	18414	17820	18414
UCBR-DRY	33145	30205	43580	42174	43580	42174
UC	38669	38669	37422	38669	32076	33145
UCBR-AVG	52787	48104	77339	74844	77339	74844
UC	56470	56470	54648	56470	51084	52787
UCBR-WET	108029	98446	150995	146124	150995	146124
UC	90229	90229	87318	90229	104544	108029

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** NAVASOTA RIVER NEAR EASTERLY
UCEA-SUB    61    56    61    59    61    59
UC          61    61    59    61    59    61
UCEA-DRY    552   503   614   594   614   594
UC          184   184   178   184   535   552
UCEA-AVG    859   783   1166  1129  1166  1129
UC          491   491   475   491   832   859
UCEA-WET    1412  1287  1780  1723  1780  1723
UC          982   982   950   982   1366  1412
** BRAZOS AT HEMPSTEAD
UCHE-SUB    31304  28527  31304  30294  31304  30294
UC          31304  31304  30294  31304  30294  31304
UCHE-DRY    56470  51460  69359  67122  69359  67122
UC          58311  58311  56430  58311  54648  56470
UCHE-AVG    88387  80546  116622 112860 116622 112860
UC          81635  81635  79002  81635  85536  88387
UCHE-WET    177388 161652 211147 204336 211147 204336
UC          125829 125829 121770 125829 171666 177388
** BRAZOS AT RICHMOND
UCRC-SUB    33759  30764  33759  32670  33759  32670
UC          33759  33759  32670  33759  32670  33759
UCRC-DRY    60766  55376  73042  70686  73042  70686
UC          57083  57083  55242  57083  58806  60766
UCRC-AVG    101277 92293  131353 127116 131353 127116
UC          81635  81635  79002  81635  98010  101277
UCRC-WET    203168 185145 244292 236412 244292 236412
UC          134422 134422 130086 134422 196614 203168
** BRAZOS AT ROSHARON
UCRO-SUB    26393  24052  26393  25542  26393  25542
UC          26393  26393  25542  26393  25542  26393
UCRO-DRY    69973  63766  76725  74250  76725  74250
UC          57083  57083  55242  57083  67716  69973
UCRO-AVG    128284 116904 157747 152658 157747 152658
UC          87160  87160  84348  87160  124146 128284
UCRO-WET    288486 262895 290942 281556 290941 281556
UC          161429 161429 156222 161429 279180 288486
**
** FNI change - new UC records
UC DAYS    31.    28.25  31.    30.    31.    30.
UC          31.    31.    30.    31.    30.    31.
** PK FERC
UCPKFERC   0.05813 0.05297 0.11626 0.11252 0.11626 0.11252
UC          0.08721 0.08721 0.08439 0.05813 0.05626 0.05813
** Stillhouse GT pipeline
UC PIPE    0.07    0.07    0.07    0.08    0.09    0.09
UC          0.10    0.10    0.09    0.08    0.08    0.08
**
**City of Waco, App. 5840, IO, 8/8/06
UCIFWCRE   20163. 19489. 31413. 31827. 41740. 38490.
UC          30129. 30129. 14337. 10696. 7496. 17643.
**
**City of Cleburne, Instream Flow Restriction, App. No. 12-4106C, FM, 3/31/05
UC4106IF   197    178    498    482    498    262
UC          74    74    71    74    71    74
**
** end FNI change
** Smiling Mallard Development, 5788, sj
UCIF5788   1.84    1.67    3.69    1.79    1.84    0.60
UC          0.00    0.00    0.00    0.00    0.00    0.62
** TXU Kosse Lignite, 5931, 9/29/06, io
UC 5931    75     75     85     85     90     90
UC          90     90     85     85     75     75
**
UC MERID    11     14     37     40     64     40
UC          11     4      6      5      8      9
** Bandy, Monthly Diversion Distribution, 12-4191, jd - 3/30/04
UC BANDY   0.03    0.03    0.05    0.08    0.10    0.12
UC          0.15    0.15    0.15    0.08    0.03    0.03
**Alcoa Inc., App. 12-5816, 8/24/05, io
UC5816DI   0      0      54     54     54    108
UC          108   109   55     54     54     0
**Alcoa Inc., Monthly Diversion Distribution, 12-5803, FM-12/29/03
UC ALCOA   0      0      54     54     54    108
UC          108   109   55     54     54     0
**John & Ida Taylor Instream Flow Restriction, 12-2996a, jd - 10/16/03
UCTAYLIF   14     14     33     33     54     33
UC          14     14     14     14     14     14
**John & Ida Taylor Diversion Distribution, 12-2996a, jd - 10/16/03
UCTAYLOR   0      0      5      5      8     10
UC          11     11     6      0      0      0
**
**Ed Johnson - Instream Flow Restriction, app. 5791, io
UC5791IF   31     28     31     30     31     30
UC          31     31     30     31     30     31

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**Ed Johnson - Demand Distribution, app. 5791, io
UC5791DD    0.    0.    0.    0.    20.   40.
UC          40.   40.   20.   0.    0.    0.
**
** IF records for Larry Adams Amend 12-3653A
UC 3653A    238   238   773   773   1725  1725
UC          238   238   238   238   238   238
UC 3653B    297   297   892   892   2082  2082
UC          297   297   297   297   297   297
** UC for Lesley amend 12-2221A - JD 12/11/02
UC 2221A    2.46  3.28  4.10  9.84  8.2   8.2
UC          8.2   7.38  10.66 10.66  4.92  4.1
** IF for Lesley amend 12-2221A
UC2221IF    .5    .5    1.5    1.5    3.5   3.5
UC          .5    .5    .5    .5    .5    .5
**
**App. No. 12-2991A
UC2991IF    41    51    126   162   269   154
UC          29    6     9     12    18    31
** UC FOR APPLICATION 5767, HERMAN STROUD
UC576741    0     0     0     0    12.5  25
UC          25    25   12.5  0     0     0
** UC FOR INSTREAM FLOW RESTRICTION FOR HERMAN STROUD, APP 5767
UC5767IF    5410  3776  7746  8388  17520 23380
UC          13401 12848 10827 6270  4733  4856
**
** UC for Clark diversion A5795
UC CLARK    0.5    1.0    1.5    1.5    2.0   2.5
UC          3.5    4.5    3.0    2.0    0.5   0.5
**
** UC FOR GAVRONOVIC, APPLPICATION 5752
UC 5752     94    120   211   211   258   331
UC          331   250   216   216   115   107
** UC FOR GAVRONOVIC IF ON OLD RIVER, APP 5752
UC GAVIF    277   250   461   446   461   268
UC          61    61    59    61    59   277
** UC FOR GAVRONOVIC IF ON BRAZOS RIVER, APP 5752
UC5752IF    69834 84168 124310 137070 272924 196320
UC          80786 52731 51390 45136 43680 58528
**
** UC FOR INSTREAM FLOW RESTRICTION FOR SOMERVELL COUNTY WATER DISTRICT APP 5744
UC5744IF    412   439   885   857   1672  1041
UC          381   191   220   258   345   357
**
**Application 5665, Paul Weinman.
**UC for IF restrictions
**UCIF5665  61473 94391 79915 160623 328881 196317
**UC          92210 49178 80331 49178 56516 73768
**Applicant requested that point for measuring IF be moved to USGS gage 08114000. Reversed proration back to gage.
UCIF5665    1050  1750  1300  2750  5450  3350
UC          1500  850   1400   900   950  1200
**
** UC FOR LAKEVIEW GOLF COURSE FLOW RESTRICTION
UC IFLGC    615   555   1906  1844  3627  1844
UC          615   369   357   369   357  369
** UC RECORD FOR LAKEVIEW GOLF COURSE DIVERSION
UC LGC      0     0     2     2     2     4
UC          4     4     2     0     0     0
** UC Records added/changed by adding P2925, TWDB, et al.
UCMEDIAN    6.058 9.202 7.652 10.512 21.388 12.740
UC          5.938 3.256 5.239 5.251 5.568 7.196
UC25THPT    5.504 9.143 7.668 10.139 18.037 14.344
UC          6.503 4.191 6.100 6.269 6.078 6.024
UC 7Q2      8.493 7.671 8.493 8.219 8.493 8.219
UC          8.493 8.493 8.219 8.493 8.219 8.493
UCALDSWR    7.700 6.955 7.864 8.267 8.542 9.532
UC          9.850 9.850 8.267 7.864 7.611 7.700
**
** UC Records added/changed by adding P5686, COASTAL BEND PROPERTY DEVELOPMENT
UCIFD129    338.  305.  338.  327.  338.  327.
UC          129.  129.  125.  129.  125.  129.
**
** UC Records added/changed by adding P5729, MICHAEL & FAYE HORTON.
UCIFD076    553.  1055. 2275. 2201. 5410. 5236.
UC          1168. 553. 535. 553. 535. 1168.
**
** UC Records added/changed by adding C3775, LLOYD E LEIFESTE ET UX.
UCIFD08D    8116. 7331. 29146. 28205. 62718. 28205.
UC          29146. 8116. 7855. 8116. 7855. 8116.
**
** UC Records added/changed by adding P5692, Walter Exploration Inc.
UCIFD011    68.  61.  68.  65.  922.  893.
UC          271.  271.  262.  271.  107.  111.

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** UC Records added/changed by modifying C4355, City of Marlin.
UC MUNRE 0.032 0.031 0.033 0.034 0.123 0.157
UC      0.167 0.159 0.150 0.043 0.036 0.034
UC MUNRI 0.131 0.127 0.133 0.139 0.000 0.000
UC      0.000 0.000 0.000 0.180 0.150 0.139
UC INDRI 0.143 0.143 0.143 0.143 0.000 0.000
UC      0.000 0.000 0.000 0.143 0.143 0.143
** FNI change - BRA contract for Marlin, divert when Marlin Brazos right cannot
**
UCmarlin 0. 0. 0. 0. 1. 1.
UC      1. 1. 1. 0. 0. 0.
**
**
UC HYD3 31. 28. 31. 30. 31. 30.
UC      31. 31. 30. 31. 30. 31.
UC HYD2 31. 28. 31. 30. 31. 30.
UC      31. 31. 30. 31. 30. 31.
UC MIN1 31. 28. 31. 30. 31. 30.
UC      31. 31. 30. 31. 30. 31.
UC MIN2 31. 28. 31. 30. 31. 30.
UC      31. 31. 30. 31. 30. 31.
UC MIN3 31. 28. 31. 30. 31. 30.
UC      31. 31. 30. 31. 30. 31.
UC MIN4 31. 28. 31. 30. 31. 30.
UC      31. 31. 30. 31. 30. 31.
UC IRR1 0.024 0.033 0.050 0.058 0.082 0.182
UC      0.201 0.178 0.087 0.046 0.036 0.023
UC IRR2 0.005 0.007 0.017 0.033 0.092 0.163
UC      0.267 0.235 0.117 0.044 0.014 0.007
UC IRR3 0.005 0.008 0.018 0.032 0.075 0.189
UC      0.304 0.253 0.079 0.022 0.008 0.007
UC IRR4 0.006 0.009 0.018 0.056 0.110 0.203
UC      0.239 0.209 0.069 0.046 0.028 0.007
UC IND1 0.054 0.060 0.070 0.083 0.094 0.105
UC      0.113 0.106 0.096 0.083 0.072 0.062
UC IND2 0.054 0.060 0.070 0.083 0.094 0.105
UC      0.113 0.106 0.096 0.083 0.072 0.062
UC IND3 0.058 0.077 0.087 0.097 0.107 0.124
UC      0.128 0.124 0.078 0.041 0.038 0.041
UC IND4 0.058 0.077 0.087 0.097 0.107 0.124
UC      0.128 0.124 0.078 0.041 0.038 0.041
UC MUN1 0.066 0.064 0.071 0.077 0.092 0.100
UC      0.115 0.104 0.092 0.079 0.070 0.068
UC MUN2 0.065 0.063 0.068 0.072 0.085 0.093
UC      0.118 0.114 0.095 0.087 0.071 0.069
UC MUN3 0.065 0.063 0.066 0.069 0.082 0.105
UC      0.111 0.106 0.100 0.089 0.074 0.069
UC MUN4 0.063 0.066 0.074 0.082 0.091 0.099
UC      0.108 0.103 0.094 0.085 0.073 0.063
** UC for Whitney Res Only
UC WHIT1 0.0579 0.061 0.0704 0.0789 0.0766 0.073
UC      0.134 0.1287 0.095 0.0844 0.0715 0.0644
UC D&L1 0.066 0.064 0.071 0.077 0.092 0.100
UC      0.115 0.104 0.092 0.079 0.070 0.068
UC D&L2 0.065 0.063 0.068 0.072 0.085 0.093
UC      0.118 0.114 0.095 0.087 0.071 0.069
UC D&L3 0.065 0.063 0.066 0.069 0.082 0.105
UC      0.111 0.106 0.100 0.089 0.074 0.069
UC D&L4 0.063 0.066 0.074 0.082 0.091 0.099
UC      0.108 0.103 0.094 0.085 0.073 0.063
UCMAYAUG 0. 0. 0. 0. 31. 30.
UC      31. 31. 0. 0. 0. 0.
UCIFD031 0. 0. 0. 0. 0. 59505.
UC      61489. 61489. 59505. 0. 0. 0.
UCIFD041 0. 0. 0. 0. 0. 0.
UC      31. 31. 30. 0. 0. 0.
UCIFD042 0. 0. 0. 0. 0. 30.
UC      31. 31. 30. 31. 30. 31.
UCIFD051 4919. 4433. 4919. 26777. 27670. 26777.
UC      27270. 27670. 4760. 4919. 4760. 4919.
UCIFD061 61. 56. 61. 119. 123. 119.
UC      123. 123. 119. 61. 60. 61.
UCIFD062 148. 133. 148. 143. 148. 143.
UC      61. 61. 60. 61. 60. 61.
UCIFD063 246. 222. 246. 238. 387. 375.
UC      387. 387. 375. 246. 238. 246.
UCIFD064 861. 778. 861. 833. 861. 833.
UC      861. 861. 833. 861. 833. 861.
UCIFD065 369. 333. 369. 357. 369. 357.
UC      215. 215. 208. 215. 208. 369.
UCIFD066 307. 278. 307. 298. 307. 298.
UC      307. 307. 298. 307. 298. 307.
UCIFD067 553. 778. 1223. 1369. 1414. 1369.
UC      246. 246. 238. 246. 238. 246.

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UCIFD068	861.	778.	861.	1666.	1722.	1666.
UC	1722.	1722.	1666.	861.	833.	861.
UCIFD072	209.	189.	209.	458.	473.	458.
UC	473.	473.	202.	209.	202.	209.
UCIFD073	203.	183.	203.	458.	473.	458.
UC	473.	473.	196.	203.	196.	203.
UCIFD074	184.	167.	184.	417.	430.	417.
UC	430.	430.	179.	184.	179.	184.
UCIFD075	480.	433.	904.	875.	904.	875.
UC	904.	904.	875.	480.	464.	480.
UCIFD081	615.	555.	615.	595.	615.	595.
UC	615.	615.	595.	615.	595.	615.
UCIFD082	738.	666.	738.	2261.	2337.	2261.
UC	738.	738.	714.	738.	714.	738.
UCIFD083	369.	333.	369.	357.	369.	357.
UC	369.	369.	357.	369.	357.	369.
UCIFD084	1107.	1000.	1107.	1071.	1107.	1071.
UC	1107.	1107.	1071.	1107.	1071.	1107.
UCIFD085	4181.	3777.	15987.	15471.	25333.	24516.
UC	15987.	4181.	4046.	4181.	4046.	4181.
UCIFD086	1230.	1111.	1230.	3273.	3382.	3273.
UC	3382.	3382.	1190.	1230.	1190.	1230.
UCIFD087	1906.	1722.	1906.	1845.	1906.	1845.
UC	1906.	1906.	1845.	1906.	1845.	1906.
UCIFD088	9592.	8664.	9592.	26361.	27239.	26361.
UC	27239.	27239.	9283.	9592.	9283.	9592.
UCIFD089	2152.	1944.	2152.	2083.	2152.	2083.
UC	2152.	2152.	2083.	2152.	2083.	2152.
UCIFD08A	307.	278.	307.	476.	492.	476.
UC	492.	492.	298.	307.	298.	307.
UCIFD08B	922.	833.	922.	1190.	1230.	1190.
UC	1230.	1230.	893.	922.	893.	922.
UCIFD08C	37.	56.	61.	60.	61.	60.
UC	37.	37.	36.	37.	36.	37.
UCIFD091	6149.	5554.	6149.	29158.	30129.	29158.
UC	30129.	30129.	5951.	6149.	5951.	6149.
UCIFD092	4919.	4443.	4919.	19042.	19676.	19042.
UC	19676.	19676.	4760.	4919.	4760.	4919.
UCIFD093	7379.	6665.	7379.	36298.	37508.	36298.
UC	37508.	37508.	7141.	7379.	7141.	7379.
UCIFD094	10269.	9275.	10269.	36298.	37508.	36298.
UC	37508.	37508.	9937.	10269.	9937.	10269.
UCIFD095	11006.	9941.	11006.	37488.	38738.	37488.
UC	38738.	38738.	10651.	11006.	10651.	11006.
UCIFD096	6764.	6109.	6764.	27372.	28285.	27372.
UC	28285.	28285.	6546.	6764.	6546.	6764.
UCIFD097	10269.	9275.	10269.	41058.	42427.	41058.
UC	42427.	42427.	9937.	10269.	9937.	10269.
UCIFD098	7379.	6665.	7379.	28562.	29514.	28562.
UC	29514.	29514.	7141.	7379.	7141.	7379.
UCIFD099	7379.	6665.	7379.	37488.	38738.	37488.
UC	38738.	38738.	7141.	7379.	7141.	7379.
UCIFD09A	10269.	9275.	10269.	36893.	38123.	36893.
UC	38123.	38123.	9937.	10269.	9937.	10269.
UCIFD09B	15987.	14440.	15987.	55935.	57799.	55935.
UC	57799.	57799.	55935.	15987.	15471.	15987.
UCIFD09C	16602.	14995.	16602.	66051.	68252.	66051.
UC	68252.	68252.	16066.	16602.	16066.	16602.
UCIFD09D	25825.	23325.	25825.	85687.	88543.	85687.
UC	88543.	88543.	24992.	25825.	24992.	25825.
UCIFD09E	0.	0.	0.	0.	42427.	41058.
UC	42427.	42427.	41058.	0.	0.	0.
UCIFD09F	10269.	9275.	10269.	37488.	38738.	37488.
UC	38738.	38738.	9937.	10269.	9937.	10269.
UCIFD101	4181.	6054.	6702.	6486.	6702.	2202.
UC	553.	553.	536.	553.	2202.	4181.
UCIFD102	4796.	4332.	4796.	4641.	4796.	1250.
UC	1291.	1291.	1250.	1291.	1250.	4796.
UCIFD103	15.	15.	15.	15.	15.	15.
UC	15.	15.	15.	15.	15.	15.
UCIFD104	1168.	1055.	1168.	1666.	1722.	1666.
UC	1722.	1722.	1666.	1168.	1131.	1168.
UCIFD111	25210.	22771.	25210.	75571.	78090.	75571.
UC	78090.	78090.	24397.	25210.	24397.	25210.
UCIFD112	25825.	23326.	25825.	85687.	88543.	85687.
UC	88543.	88543.	24992.	25825.	24992.	25825.
UCIFD113	55340.	49984.	55340.	67241.	69482.	67241.
UC	69482.	69482.	53555.	55340.	53555.	55340.
UCIFD114	30744.	27769.	30744.	67241.	69482.	67241.
UC	69482.	69482.	29753.	30744.	29753.	30744.
UCIFD115	307.	278.	307.	893.	922.	893.
UC	922.	922.	298.	307.	298.	307.
UCIFD116	30744.	27769.	30744.	67538.	69789.	67538.
UC	69789.	69789.	29753.	30744.	29753.	30744.

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UCIFD121	184.	167.	184.	595.	615.	595.
UC	615.	615.	595.	184.	179.	184.
UCIFD122	184.	167.	184.	1428.	1476.	1428.
UC	1476.	1476.	1428.	184.	179.	184.
UCIFD128	184.	167.	184.	1012.	1045.	1012.
UC	1045.	1045.	1012.	184.	179.	184.
UCIFD123	123.	111.	123.	536.	553.	536.
UC	553.	553.	536.	123.	119.	123.
UCIFD124	92.	83.	92.	536.	553.	536.
UC	553.	553.	536.	92.	89.	92.
UCIFD125	123.	111.	123.	476.	492.	476.
UC	492.	492.	476.	123.	119.	123.
UCIFD126	154.	139.	154.	714.	738.	714.
UC	738.	738.	714.	154.	149.	154.
UCIFD127	0.	0.	0.	262.	271.	262.
UC	271.	271.	262.	0.	0.	0.
UC UNIFO	31.	28.	31.	30.	31.	30.
UC	31.	31.	30.	31.	30.	31.

**

** RF RECORDS

**

RFR36931	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR41791	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFRABIL1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR42131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR42132	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR42021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR42111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR34441	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR34501	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR34581	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR43551	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR40311	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51561	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

** Return flow factor for Paluxy Reservoir which is not modeled.

**RFR42371 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

**RF 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

RFR41061	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR43601	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51581	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR50941	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR34701	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51591	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFRBLSH1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51621	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51631	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR37611	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51641	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR52871	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR52891	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR52911	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR53661	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RFR51711	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

**

** CP RECORDS

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**	2	3	4	5	6	7	8	9	10	11
**	CPID	D/S	CPDT(1)	CPDT(2)	INMETHOD	CFIN		EWA	CL	INWS
**	Smiling Mallard Development, 5788, 4/29/07, added into WAM on 8/27/07, sj									
	CP578831	CON146			6		375931		0.0000	
**	TXU Kosse Lignite, 5931, 9/29/06, io									
	CP593101	CON134			6		406331		0.0000	
	CP593102	CON134			6		406331		0.0000	
	CP593103	CON134			6		406331		0.0000	
	CP593104	CON134			6		406331		0.0000	
	CP593105	CON134			6		406331		0.0000	
**	App 5858 TMPA 10/21/04 SD									
	CP585830	513233			6		375931		0.0	
	CP585831	531201			6		375931		0.0	
	CP585832	024603			6		375931		0.0000	
	CP585835	505331			6		375931		0.0000	
	CP585836	505336			6		375931		0.0000	
	CP585838	CON144			6		375931		0.0000	
	CP585839	557011			6		375931		0.0000	
	CP58583A	024604			6		375931		0.0000	
**	Revision 12/29/2005									
**	Dummys added to model TMPA water rights.									
	CPDUMMY1	OUT			2	NONE	NONE	-3.	0.0000	
**	App. 5866, Harris County FCD, 9/29/2005 mt									
	CP586631	523001			6		401041		0.0000	
**	NNP Teravista, app. 5667B, 11/13/03, io									
	CP566732	416621			6		299231		0.0000	
	CP566731	416621			6		299231		0.0000	
	CP566734	416621			6		299231		0.0000	
**	Alcoa 12191 SD									
	CP121911	MYDB60			6		299231		0.0	
	CP121901	MYDB60			6		299231		0.0000	
	CP121902	MYDB60			6		299231		0.0000	
**	Alcoa Inc., App. 12-5816, 8/24/05, io									
	CP581601	121901			6		375931		0.0000	
**	John & Ida Taylor Amendment 12-2996a, 10/16/2003, jd									
**	Additional diversion point for 2996 is between 299011 and CON094									
	CP299011	CON094			6	NONE	NONE		0.0010	
	CP299011	299602			6	NONE	NONE		0.0007	
**	John & Ida Taylor, 12-2996a - jd									
	CP299602	CON094			6	NONE	NONE		0.0003	
**	Ed Johnson, app. 5791, io									
	CP579131	579101			6		375931		0.0000	
	CP579132	579101			6		375931		0.0000	
	CP579101	CON125			6		375931		0.0000	
**	CPALLEN1 OUT 2 NONE NONE -3. 0.0000									
**	Clark Gardens Application 5795 Diversion surface 23									
	CP A5759	CON045			6		220131		0.0000	
**	new cp for TXU Mining, application 5770									
	CP577001	02881B			6		406331		0.0000	
**	Application 5767, Herman Stroud. Divert 70 ac-ft into off-channel reservoir complex. Subsequent diversion from reservoirs for irrigation.									
	CP576701	BRDE29			6	NONE	NONE		0.0000	
**	Two off-channel reservoirs were modeled as one complex.									
	CP576741	OUT			2	NONE	227031	-3.	0.0000	
**	West Central Texas Municipal Water District, Application 12-4213C									
**	This amendment authorized 5000 acre-feet of water from water right 4213 that will be piped to Fort Phantom Hill reservoir (12-4161)									
**	Computational cp for WCTMWD, Application 4213C									
	CPWCTMWD	OUT			2	NONE	NONE	-3.		
**	**** TMPA (Tx Municipal Power) App 5741, 5738									
	CP574132	573831			6		375931		0.0000	
	CP573831	513232			6		375931		0.0000	
	CP574131	CON144			6		375931		0.0000	
**	FAKE CP FOR SOMERVELL COUNTY WATER DISTRICT, application 5744									
	CP SCWD	OUT			2	NONE	NONE	-3.		
**	Application 5665, Paul Weinman. App to divert 2448 into off-channel reservoir complex for wetlands (duck habitat).									
	CP566501	CON151			6		401041		0.0015	
**	401041 was used to calculate evap since it was the closest reservoir with approximately the same size.									
	CP566541	OUT			2	NONE	401041	-3.	0.0000	
	CP566502	566501			6	NONE	NONE		0.0003	
**	FAKE CP FOR LAKEVIEW GOLF CLUB DIVERSION, Application 12-4318B									

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CPLGCALT	OUT	2	NONE	NONE	-3.
** CP Records added/changed for C4114, THOMAS BROTHERS GRASS, LTD					
CP405401	411402	6		NONE	0.0001
CP411402	406202	6		NONE	0.0000
CP406202	411403	6		NONE	0.0006
CP411403	406203	6		NONE	0.0000
CP406203	CON191	6		NONE	0.0003
CPCON049	411404	6		NONE	0.0000
CP411404	406204	6		NONE	0.0000
CP406204	CON192	6		NONE	0.0000
** CP Records added/changed for C4052, TXI OPERATIONS					
CPCON048	405202	6		NONE	0.0000
CP405202	405201	6		NONE	0.0000
** CP Records changed by adding P5686, COASTAL BEND PROPERTY DEVELOPMENT					
CP101342	568601	2	NONE	NONE	-3. 0.0000
CP568601	115711	6		NONE	0.0000
CP568661	568641	2	NONE	NONE	-3. 0.0000
CP568641	OUT	2	NONE	401041	-3. 0.0000
** CP Records added/changed for C5357, CHOCOLATE BAYOU WATER COMPANY					
CPCBALC2	CON251	1		NONE	-3. 0.0000
CPCON251	000011	6		NONE	0.0000
CP535701	CON251	6		NONE	0.0000
** CP Records added/changed by adding P5729, MICHAEL & FAYE HORTON.					
CP290401	572901	6		NONE	0.0002
CP572901	CON089	6		NONE	0.0028
CP572961	572941	2	NONE	NONE	-3. 0.0000
CP572941	OUT	2	NONE	228731	-3. 0.0000
** CP Records added/changed for P5567, SAND SUPPLY INC.					
CPCON154	556712	6		NONE	0.0001
CP556712	555201	6		NONE	0.0019
CPCON235	556722	6		NONE	0.0015
CP556722	CON154	6		NONE	0.0005
CP511051	556722	2	NONE	NONE	-3. 0.0000
** CP Records added/changed by adding P5714, CITY OF PEARLAND.					
CP123321	571451	2	NONE	NONE	-3. 0.0000
CP571451	571401	2	NONE	NONE	-3. 0.0000
CP571401	571402	6		NONE	0.0000
CP571402	115711	6		NONE	0.0000
** CP Records added/changed for C4169, RICHARD SCHKADE.					
CP416901	416902	6		NONE	0.0000
CP416902	417001	6		NONE	0.0000
** CP Records added/changed for C3775, LLOYD E LEIFESTE ET UX.					
CP377502	377521	6		NONE	0.0004
CP377521	377501	6		NONE	0.0006
CP377501	377511	6		NONE	0.0004
CP377511	CON111	6		NONE	0.0096
** CP Records added/changed for P5692, Walter Exploration Inc.					
** Double Mountain Fork near Aspermont					
**CPDMAS09	569204	1		NONE	-3. 0.0020
CPDMAS09	DMSUBS	1		NONE	-3.
CPDMSUBS	DM-DRY	2	DMAS09	NONE	-3.
CPDM-DRY	DM-AVG	2	DMAS09	NONE	-3.
CPDM-AVG	DM-WET	2	DMAS09	NONE	-3.
CPDM-WET	DMDPUL	2	DMAS09	NONE	-3.
CPDMDPUL	DMAPUL	2	DMAS09	NONE	-3.
CPDMAPUL	DMWPUL	2	DMAS09	NONE	-3.
CPDMWPUL	569204	2	DMAS09	NONE	-3. 0.0020
**					
CP569204	569203	6		NONE	0.0002
CP569203	569202	6		NONE	0.0002
CP569202	569201	6		NONE	0.0002
CP569201	528201	6		NONE	0.0355
** CP Records added/changed for C2276, Louis A Beecher1, Jr.					
CP227302	227603	6		227031	0.0000
CP227603	227633	6		NONE	0.0000
CP227633	227622	6		227031	0.0000
CP227622	227604	6		NONE	0.0000
CP227602	227632	6		NONE	0.0000
CP227632	227621	6		227031	0.0000
CP227621	227611	6		NONE	0.0000
CP227611	227604	6		NONE	0.0000
CP227604	227634	6		NONE	0.0000
CP227612	227634	6		NONE	0.0000
CP227634	22760B	6		227031	0.0000
CP22760B	22763B	6		NONE	0.0000
CP22763B	227626	6		227031	0.0000
CP227626	227616	6		NONE	0.0000
CP227613	227616	6		227031	0.0000
CP22760A	22763A	6		NONE	0.0000
CP22763A	227625	6		227031	0.0000
CP227625	227615	6		NONE	0.0000
CP227615	227616	6		NONE	0.0000
CP227616	227601	6		227031	0.0000
CP227601	227631	6		NONE	0.0000

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CP227631	227701	6	227031	0.0000
CP227605	227635	6	NONE	0.0000
CP227606	227636	6	NONE	0.0000
CP227607	227637	6	NONE	0.0000
CP227608	227638	6	NONE	0.0000
CP227609	227639	6	NONE	0.0000
CP227614	227613	6	NONE	0.0000
CP227623	227608	6	NONE	0.0000
CP227624	227614	6	NONE	0.0000
CP227635	227608	6	227031	0.0000
CP227636	227623	6	227031	0.0000
CP227637	227608	6	227031	0.0000
CP227638	227614	6	227031	0.0000
CP227639	227624	6	227031	0.0000
** CP Records added/changed for C4179, City of Stamford.				
CPCON027	417906	6	NONE	0.0015
CP417906	417933	6	NONE	0.0000
CP417933	CON028	6	413331	0.0326
**				
CP366401	366431	6	NONE	0.0000
CP366431	366501	6	366631	0.0000
CP366501	366531	6	NONE	0.0000
CP366531	366601	6	366631	0.0000
CP366601	366631	6	NONE	0.0000
CP366631	366701	6		0.0000
CP366701	366731	6	NONE	0.0000
CP366731	366801	6	366631	0.0000
CP366801	366831	6	NONE	0.0000
CP366831	366904	6	366631	0.0000
CP366901	366931	6	NONE	0.0000
CP366931	366904	6	366631	0.0000
CP366902	366932	6	NONE	0.0000
CP366932	366904	6	NONE	0.0000
CP366903	366933	6	NONE	0.0000
CP366933	366904	6	NONE	0.0000
CP366904	366934	6	NONE	0.0000
CP366934	367002	6	NONE	0.0000
CP367002	367031	6	NONE	0.0000
CP367031	367001	6	NONE	0.0000
CP367001	367032	6	NONE	0.0000
CP367032	367101	6	366631	0.0000
CP367101	367131	6	NONE	0.0000
CP367131	367201	6	366631	0.0000
CP367201	367202	6	NONE	0.0000
CP367202	367231	6	NONE	0.0000
CP367231	367301	6	366631	0.0000
CP367301	367302	6	NONE	0.0000
CP367302	367303	6	NONE	0.0000
CP367303	367304	6	NONE	0.0000
CP367304	367331	6	NONE	0.0000
CP367331	367401	6	366631	0.0000
CP367401	367431	6	NONE	0.0000
CP367431	P40641	6	366631	0.0000
CP40641	406431	6	NONE	0.0000
CP406431	367501	6	366631	0.0000
CP367501	367531	6	NONE	0.0000
CP367531	368101	6	366631	0.0000
CP368101	368131	6	NONE	0.0000
CP406451	367501	2	NONE NONE	-3. 0.0000
CP368131	381301	6		0.0000
CP367601	367631	6	NONE	0.0000
CP367631	367701	6	366631	0.0000
CP367701	367731	6	NONE	0.0000
CP367731	367801	6	366631	0.0000
CP367801	367831	6	NONE	0.0000
CP367831	367901	6	366631	0.0000
CP367901	367931	6	NONE	0.0000
CP367931	368001	6	366631	0.0000
CP368001	368031	6	NONE	0.0000
CP368031	368101	6	366631	0.0000
CP381301	368201	6	NONE	0.0000
CP368201	368231	6	NONE	0.0000
CP368231	368301	6	368131	0.0000
CP368301	368331	6	NONE	0.0000
CP368331	RWPL01	6	368131	0.0000
CP368401	368431	6	NONE	0.0000
CP368431	368501	6	368131	0.0000
CP368501	368531	6	NONE	0.0000
CP368531	RWPL01	6	368131	0.0000
CP368601	368601	1	NONE	-3. 0.0650
CP368601	368703	6	NONE	0.0650
CP368703	368702	6	NONE	0.0000
CP368702	368701	6	NONE	0.0000
CP368701	391501	6	NONE	0.0000

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CP391501	368801	6	NONE	0.0330
CP368801	P40351	6	NONE	0.0650
CPP40351	540501	6	NONE	0.0330
CP105371	368601	2	NONE	-3. 0.0000
CP403551	540501	2	NONE	-3. 0.0000
CP540501	CON248	6	NONE	0.5060
CPCON248	CON001	6	NONE	0.6050
CPCON001	369201	6	NONE	0.3500
CP369201	369231	6	NONE	0.0000
CP368941	OUT	2	NONE	-3. 0.0000
CP368901	368931	6	NONE	0.0000
CP368931	369001	6	NONE	0.0000
CP369001	CON001	6	NONE	0.0000
CP369101	369131	6	NONE	0.0000
CP369131	CON001	6	368931	0.0000
CP369151	CON001	2	NONE	-3. 0.0000
CP369231	W12402	6	368931	0.4310
CPW12402	W12401	6	NONE	0.0950
CPW12401	W12392	6	NONE	0.0000
CP369301	369331	6	NONE	0.0000
CP369331	WRSF02	6	NONE	0.0000
CPW12392	369301	6	NONE	0.0000
CP369351	W12392	2	NONE	-3. 0.0000
CPWRSF02	CON004	1	NONE	-3. 0.1300
CP369501	369531	6	NONE	0.0000
CP369531	CON004	6	368931	0.0000
CPW12381	CON004	6	NONE	0.0000
CP369401	369431	6	NONE	0.0000
CP369431	CON004	6	368931	0.0000
CPCON004	W12391	6	NONE	0.0000
CP369601	369631	6	NONE	0.0000
CP369631	DUGI03	6	341131	0.0000
CP369651	DUGI03	2	NONE	-3. 0.0000
CP369731	DUGI03	6	341131	0.0000
CP369801	369831	6	NONE	0.0000
CP369831	DUGI03	6	341131	0.0000
CP369901	369902	6	NONE	0.0000
CP369902	369931	6	NONE	0.0000
CP369931	DUGI03	6	341131	0.0000
CP370001	370031	6	NONE	0.0000
CP370031	DUGI03	6	341131	0.0000
CPDUGI03	CON002	1	NONE	-3. 0.0630
CPCON002	CON003	6	NONE	0.0210
CP370131	CON003	6	341131	0.0000
CPW12391	CON002	6	NONE	0.1690
CPCON003	SFPE04	6	NONE	0.1260
CPSFPE04	CON005	1	NONE	-3. 0.0460
CPCON005	CON006	6	NONE	0.0210
CPCON006	SFAS06	6	NONE	0.0920
** Salt Fork Brazos River near Aspermont				
**CPSFAS06	W12382	1	NONE	-3. 0.1500
CPSFAS06	SFSUBS	1	NONE	-3.
CPSFASUBS	SF-DRY	2	SFAS06	NONE -3.
CPSF-DRY	SF-AVG	2	SFAS06	NONE -3.
CPSF-AVG	SF-WET	2	SFAS06	NONE -3.
CPSF-WET	SFDPUL	2	SFAS06	NONE -3.
CPSFDPUL	SFAPUL	2	SFAS06	NONE -3.
CPSFAPUL	SFWPUL	2	SFAS06	NONE -3.
CPSFWPUL	W12382	2	SFAS06	NONE -3. 0.1500
**				
CPCRJA05	CON005	1	NONE	-3. 0.0070
CP370231	CON006	6	341131	0.0000
CPW12382	CON245	6	NONE	0.0050
CP370301	370331	6	NONE	0.0000
CP370331	370401	6	366631	0.0000
CP370401	370421	6	NONE	0.0000
CP370421	370431	6	NONE	0.0000
CP370431	370411	6	NONE	0.0000
CP370411	370535	6	NONE	0.0000
CP370501	370531	6	NONE	0.0000
CP370531	370502	6	NONE	0.0000
CP370502	370532	6	NONE	0.0000
CP370532	370533	6	NONE	0.0000
CP370533	370534	6	NONE	0.0000
CP370534	370535	6	NONE	0.0000
CP370535	370503	6	NONE	0.0000
CP370503	370536	6	NONE	0.0000
CP370536	398501	6	368931	0.0000
CP398551	398501	2	NONE	-3. 0.0000
CP398501	BSLU07	6	NONE	0.0000
CPBSLU07	370631	1	NONE	-3. 0.0000
CP370631	370701	6	NONE	0.0110
CP370701	370702	6	NONE	0.0000
CP370702	370731	6	NONE	0.0000

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CP370732	370701	6		NONE		0.0000
CP370751	370731	2	NONE	NONE	-3.	0.0000
CP370731	CON007	6		368931		0.0800
CP370801	370831	6		NONE		0.0000
CP370831	CON007	6		368931		0.0000
CPCON007	370901	6		NONE		0.0110
CP370901	370931	6		NONE		0.0000
CP370931	371001	6		NONE		0.0000
CP370962	370942	2	NONE	NONE	-3.	0.0000
CP370961	370941	2	NONE	NONE	-3.	0.0000
CP370941	OUT	2	NONE	368931	-3.	0.0000
CP370942	OUT	2	NONE	NONE	-3.	0.0000
CP371061	371041	2	NONE	NONE	-3.	0.0000
CP371041	OUT	2	NONE	368931	-3.	0.0000
CP371001	371101	6		NONE		0.1390
CP371101	371131	6		NONE		0.0000
CP371131	CON244	6				0.1810
CP371301	371331	6		NONE		0.0000
CP371331	P53591	6		368931		0.0000
CPP53591	CON159	6		NONE		0.0000
CPCON159	DMJU08	6		NONE		0.0000
CP535951	CON159	2	NONE	NONE	-3.	0.0000
CP371401	371431	6		NONE		0.0000
CP371431	CON159	6				0.0000
CPDMJU08	CON160	1		NONE	-3.	0.0100
CP371501	371531	6		NONE		0.0000
CP371531	CON160	6		368931		0.0000
CPCON160	CON008	6		NONE		0.0700
CPCON008	P41461	6		NONE		0.0000
CP4146P1	WL2411	6				0.0360
CP371601	CON008	6		NONE		0.0000
CP371602	371631	6		NONE		0.0000
CP371631	371601	6		371431		0.0000
CPP41461	4146P1	6		NONE		0.0000
CPW12411	CON244	6		NONE		0.0000
CPCON244	371701	6		NONE		0.1700
CP371701	371801	6		NONE		0.0310
CP371801	371802	6		NONE		0.0310
CP371802	371803	6		NONE		0.0050
CP371803	371901	6		NONE		0.0310
CP371901	CON009	6		NONE		0.0500
CPCON009	372201	6		NONE		0.1610
CP372201	372202	6		NONE		0.0000
CP372202	372203	6		NONE		0.0100
CP372203	DMAS09	6		NONE		0.0260
CP528201	372401	6		NONE		0.0950
CP372401	372431	6		NONE		0.0000
CP372431	WL2412	6		NONE		0.0060
CPW12412	CON010	6		NONE		0.0170
CPCON010	CON245	6		NONE		0.0490
CP372001	372031	6		NONE		0.0000
CP372031	372101	6				0.0000
CP372101	372131	6		NONE		0.0000
CP372131	CON009	6		372031		0.0000
CPP51621	5162P1	6		NONE		0.0000
CP5162P1	CON010	6		341131		0.0000
CPNCKN10	CON011	1		NONE	-3.	0.0570
CPCON245	WL2081	6		NONE		0.0280
CPW12081	CON011	6		NONE		0.0280
CPCON011	524201	6		NONE		0.0000
CP524201	CON012	6		NONE		0.0240
CP341101	341131	6		NONE		0.0000
CPCON012	CON013	6		NONE		0.0590
CP341131	CON012	6				0.0000
CP341231	CON013	6		341131		0.0000
CPCON013	CON014	6		NONE		0.0420
CPCON014	543501	6		NONE		0.0060
CP341301	341302	6		NONE		0.0000
CP341302	341331	6		NONE		0.0000
CP341331	CON014	6				0.0000
CP543501	CON015	6		NONE		0.0300
CP341431	341401	6		341331		0.0000
CP341401	344004	6		NONE		0.0000
CP344004	344031	6		NONE		0.0000
CP344003	344002	6		NONE		0.0000
CP344031	344003	6				0.0000
CP344002	344001	6		NONE		0.0000
CP344032	344002	6		341331		0.0000
CP344001	CON015	6		341331		0.0000
CP344005	344032	6		NONE		0.0000
CPCON015	CON016	6		NONE		0.1670
CP344131	CON016	6		341331		0.0000
CPCON016	BRSE11	6		NONE		0.0590

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**CPBRSE11	CON017	1	NONE	-3.	0.0740
CPBRSE11	SMSUBS	1	NONE	-3.	
CPSMSUBS	SM-DRY	2	BRSE11	NONE	-3.
CPSM-DRY	SM-AVG	2	BRSE11	NONE	-3.
CPSM-AVG	SM-WET	2	BRSE11	NONE	-3.
CPSM-WET	SMDPUL	2	BRSE11	NONE	-3.
CPSMDPUL	SMAPUL	2	BRSE11	NONE	-3.
CPSMAPUL	SMWPUL	2	BRSE11	NONE	-3.
CPSMWPUL	CON017	2	BRSE11	NONE	-3. 0.0740
**					
CP344201	344231	6	NONE		0.0000
CPMSMN12	344301	1	NONE	-3.	0.0630
CP344301	344302	6	NONE		0.0000
CP344302	344401	6	NONE		0.0130
CP344401	344431	6	NONE		0.0000
CP344501	CON017	6	NONE		0.0320
CP344431	344501	6			0.0390
CPCON017	CON018	6	NONE		0.2230
CP344231	CON017	6	341331		0.0000
CP344651	344601	2	NONE	-3.	0.0000
CP344601	344631	6	NONE		0.0000
CP344703	344702	6	NONE		0.0000
CP344631	344703	6	341331		0.0000
CP344702	344701	6	NONE		0.0000
CP344701	344802	6	NONE		0.0000
CP344804	344803	6	NONE		0.0000
CP344803	344802	6	NONE		0.0000
CP344802	344801	6	NONE		0.0000
CP344801	CON018	6			0.0000
CPCON018	CON019	6	NONE		0.0390
CP344931	345103	6	341331		0.0000
CP345001	345031	6	NONE		0.0000
CP345103	345102	6	NONE		0.0000
CP345031	345103	6	341331		0.0000
CP345102	345101	6	NONE		0.0000
CP345141	OUT	2	NONE 344801	-3.	0.0000
CP345101	CON019	6	NONE		0.0000
CPCON019	CON020	6	NONE		0.0390
CP345231	345201	6	NONE		0.0000
CP345201	345232	6	NONE		0.0000
CPCON020	CON036	6	NONE		0.1190
CP345232	CON020	6	344801		0.0000
CP417905	417932	6	NONE		0.0000
CP417601	417631	6	NONE		0.0000
CP417932	417601	6	413331		0.0000
CP417951	417601	2	NONE	-3.	0.0000
CP417701	417803	6	NONE		0.0000
CP417631	417701	6	413331		0.0000
CP417803	417802	6	NONE		0.0000
CP417802	417801	6	NONE		0.0000
CP417801	W12352	6	NONE		0.0000
CP417702	417731	6	NONE		0.0000
CP417805	417832	6	NONE		0.0000
CP417731	417701	6	413331		0.0000
CP417804	417831	6	NONE		0.0000
CP417832	417804	6	NONE		0.0000
CPW12351	W12352	6	NONE		0.0000
CPW12352	417901	6	NONE		0.0000
CP009631	417901	2	NONE	-3.	0.0000
CP417901	417902	6	NONE		0.0000
CP417902	417903	6	NONE		0.0000
CP417903	417904	6	NONE		0.0000
CP417904	417931	6	NONE		0.0000
CP417831	W12352	6	341331		0.0000
CP418001	418031	6	NONE		0.0000
CPCON161	CON162	6	NONE		0.0000
CP418031	CON161	6	372031		0.0000
CP418101	418131	6	NONE		0.0000
CPCON162	CON163	6	NONE		0.0000
CP418131	CON162	6	413331		0.0000
CP418231	418301	6	413331		0.0000
CP418301	418331	6	NONE		0.0000
CPCON163	CAST17	6	NONE		0.0000
CP418331	CON163	6	413331		0.0000
CPCAST17	CON027	1	NONE	-3.	0.1120
CP417931	CON027	6			0.0000
CP418401	418431	6	NONE		0.0000
CP418402	418432	6	NONE		0.0000
CP418431	418402	6	NONE		0.0000
CPCON028	CON029	6	NONE		0.0840
CP418432	CON028	6	341331		0.0000
CPW12321	420601	6	NONE		0.0000
CP420601	420631	6	NONE		0.0000
CPCFRO13	CON021	1	NONE	-3.	0.0180

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CP420631	CFR013	6	372031	0.0000
CP411501	411531	6	NONE	0.0000
CP411601	411701	6	NONE	0.0000
CP411531	411601	6	372031	0.0000
CP411701	411801	6	NONE	0.0000
CP411801	411901	6	NONE	0.0000
CP411901	411931	6	NONE	0.0000
CPCON021	412001	6	NONE	0.0300
CP411931	CON021	6	372031	0.0000
CP412001	412031	6	NONE	0.0000
CP412101	412131	6	NONE	0.0000
CP412031	412101	6	372031	0.0060
CP412201	412231	6	NONE	0.0000
CP412131	412201	6	372031	0.0120
CP412301	412331	6	NONE	0.0000
CP412231	412301	6	372031	0.0410
CP412402	412401	6	NONE	0.0000
CP412331	412402	6	372031	0.0410
CP412401	412501	6	NONE	0.0060
CP412501	412531	6	NONE	0.0000
CP412602	412632	6	NONE	0.0000
CP412531	412602	6	372031	0.0000
CP412601	412631	6	NONE	0.0000
CP412632	412601	6	NONE	0.0120
CP412701	CON022	6	NONE	0.0060
CP412631	412701	6	372031	0.0410
CP412901	412931	6	NONE	0.0000
CP103732	CON022	2	NONE	-3. 0.0000
CP412801	412831	6	NONE	0.0000
CPW12371	WL2372	6	NONE	0.0000
CPW12372	413001	6	NONE	0.0000
CP413001	413031	6	NONE	0.0000
CPCON022	413202	6	NONE	0.1250
CP412831	CON022	6	372031	0.0000
CP412931	CON022	6	372031	0.0000
CP413031	CON022	6	NONE	0.0000
CP413202	413201	6	NONE	0.0060
CP413201	CFHA14	6	NONE	0.0530
CPCFHA14	413302	1	NONE	-3. 0.0060
CP413302	413301	6	NONE	0.0000
CP413301	413331	6	NONE	0.0000
CP413401	413431	6	NONE	0.0000
CPCON164	CON165	6	NONE	0.0000
CP413431	CON164	6	372031	0.0000
CPCON165	MUHA15	6	NONE	0.0000
CP413531	CON165	6	372031	0.0000
CPMUHA15	CON024	1	NONE	-3. 0.0350
CP413501	413531	6	NONE	0.0000
CP413601	413631	6	NONE	0.0000
CPCON024	413701	6	NONE	0.0070
CP413331	CON024	6	NONE	0.0480
CP413631	CON024	6	413331	0.0000
CP413701	413801	6	NONE	0.0200
CP413801	413901	6	NONE	0.0000
CP413901	413931	6	NONE	0.0000
CP414001	CON025	6	NONE	0.0130
CP413931	414001	6	413331	0.0200
CP414201	414231	6	NONE	0.0000
CP414401	414431	6	NONE	0.0000
CP414431	414604	6	413331	0.0000
CP414501	414531	6	NONE	0.0000
CP414301	414331	6	NONE	0.0000
CP414231	414301	6	NONE	0.0000
CP414604	414634	6	NONE	0.0000
CP414331	414604	6	413331	0.0000
CP414531	414604	6	413331	0.0000
CP414603	414633	6	NONE	0.0000
CP414634	414603	6	NONE	0.0000
CP414602	414632	6	NONE	0.0000
CP414633	414602	6	NONE	0.0000
CP414601	414631	6	NONE	0.0000
CP414632	414601	6	NONE	0.0000
CP414701	414702	6	NONE	0.0000
CP414631	414701	6	413331	0.0000
CP414702	414703	6	NONE	0.0000
CP414703	414801	6	NONE	0.0000
CP414801	414901	6	NONE	0.0000
CP414901	WL2361	6	NONE	0.0000
CP415001	3721P1	6	NONE	0.0000
CP3721P1	415401	6	NONE	0.0000
CP415001	415031	6	NONE	0.0000
CP415031	415401	6	NONE	0.0000
CP415201	415202	6	NONE	0.0000
CP415202	415231	6	NONE	0.0000

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CP415551	415301	2	NONE	NONE	-3.	0.0000
CP415301	415331	6		NONE		0.0000
CP415331	415401	6		413331		0.0000
CP415351	415401	2	NONE	NONE	-3.	0.0000
CP415401	415302	6		NONE		0.0000
CP415302	415431	6		NONE		0.0000
CP415231	415301	6		413331		0.0000
CP415251	415301	2	NONE	NONE	-3.	0.0000
CP415431	415501	6		413331		0.0000
CP415501	415601	6		NONE		0.0000
CP415601	415602	6		NONE		0.0000
CP415602	415701	6		NONE		0.0000
CP415701	W12361	6		NONE		0.0000
CP415802	W12361	6		NONE		0.0000
CP416041	OUT	2	NONE	NONE	-3.	0.0000
CP416031	W12361	6		413331		0.0000
CP415801	415831	6		NONE		0.0000
CP415931	415901	6		413331		0.0000
CP415901	W12361	6		NONE		0.0000
CPW12361	W12362	6		NONE		0.0000
CP415831	W12361	6		413331		0.0000
CP014221	W12362	2	NONE	NONE	-3.	0.0000
CPW12362	416502	6		NONE		0.0000
CP416502	415101	6		NONE		0.0000
CP415101	415131	6		NONE		0.0000
CP416101	416131	6		NONE		0.0000
CP415131	416101	6		NONE		0.0000
CP416131	414101	6				0.0000
CP416551	414101	2	NONE	NONE	-3.	0.0000
CP414101	414102	6		NONE		0.0000
CP414102	414103	6		NONE		0.0000
CP414103	CON025	6		NONE		0.0000
CPCON025	416201	6		NONE		0.0070
CP416201	416202	6		NONE		0.0070
CP416202	416301	6		NONE		0.0000
CP416301	CFNU16	6		NONE		0.0000
** CLEAR FORK AT NUGENT						
**CPCFNU16	CON026	1		NONE	-3.	0.0300
CPCFNU16	NUSUBS	1		NONE	-3.	
CPNUSUBS	NU-DRY	2	CFNU16	NONE	-3.	
CPNU-DRY	NU-AVG	2	CFNU16	NONE	-3.	
CPNU-AVG	NU-WET	2	CFNU16	NONE	-3.	
CPNU-WET	NUDPUL	2	CFNU16	NONE	-3.	
CPNUDPUL	NUAPUL	2	CFNU16	NONE	-3.	
CPNUAPUL	NUWPUL	2	CFNU16	NONE	-3.	
CPNUWPUL	CON026	2	CFNU16	NONE	-3.	0.0300
**						
CP426662	426642	2	NONE	NONE	-3.	0.0000
CP426642	OUT	2	NONE	NONE	-3.	0.0000
CP426661	426641	2	NONE	NONE	-3.	0.0000
CP426641	OUT	2	NONE	413331	-3.	0.0000
CP416401	416501	6		NONE		0.0000
CP416501	416531	6		NONE		0.0000
CP416601	416701	6		NONE		0.0000
CP416531	416601	6		NONE		0.0000
CP103341	426602	2	NONE	NONE	-3.	0.0000
CP426602	426601	6		NONE		0.0000
CP416701	416731	6		NONE		0.0000
CP426601	426603	6		NONE		0.0000
CP416731	426602	6		413331		0.0000
CP416741	OUT	2	NONE	NONE	-3.	0.0000
CP426603	476701	6		NONE		0.0000
CP476701	416901	6		NONE		0.0000
CP417001	417002	6		NONE		0.0000
CP417002	417003	6		NONE		0.0000
CP417003	CON026	6		NONE		0.0000
CPCON026	417121	6		NONE		0.0060
CP417051	CON026	2	NONE	NONE	-3.	0.0000
CP417121	417111	6		NONE		0.0060
CP417111	417201	6		NONE		0.0060
CP417201	417202	6		NONE		0.0060
CP417202	417301	6		NONE		0.0060
CP417301	417431	6		NONE		0.0120
** CLEAR FORK AT LUEEDERS						
**CP417431	417502	6		413331		0.0640
CP417431	LUSUBS	6		413331		0.0000
CPLUSUBS	LU-DRY	6		NONE	-3.	0.0000
CPLU-DRY	LU-AVG	6		NONE	-3.	0.0000
CPLU-AVG	LU-WET	6		NONE	-3.	0.0000
CPLU-WET	LUWPUL	6		NONE	-3.	0.0000
CPLUWPUL	LUAPUL	6		NONE	-3.	0.0000
CPLUAPUL	LUWPUL	6		NONE	-3.	0.0000
CPLUWPUL	417502	6		NONE	-3.	0.0640
**						

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CP417502	417531	6	NONE	0.0000
CP417501	CON029	6	NONE	0.2370
CP417531	417501	6	413331	0.0060
CPCON029	418501	6	NONE	0.1340
CP418501	418502	6	NONE	0.0000
CP418502	CFFG18	6	NONE	0.0110
CP418541	OUT	2	NONE 413331	-3. 0.0000
CPCFFG18	418601	1	NONE	-3. 0.0060
CP418602	418631	6	NONE	0.0000
CP418601	418701	6	NONE	0.1190
CP418631	418601	6	413331	0.0000
CP418701	418801	6	NONE	0.0300
CP418801	418921	6	NONE	0.0060
CP418921	419001	6	NONE	0.0060
CP419001	418911	6	NONE	0.0000
CP418911	419101	6	NONE	0.0000
CP419101	419201	6	NONE	0.0180
CP419103	419102	6	NONE	0.0000
CP419102	419201	6	NONE	0.0000
CP419201	419331	6	NONE	0.0000
CP419331	419104	6	220131	0.0060
CP419104	CON030	6	NONE	0.0350
CP419401	419431	6	NONE	0.0000
CPCON030	419501	6	NONE	0.0000
CP419431	CON030	6	341331	0.0000
**CP419501	419601	6	NONE	0.0180
CP419501	419105	6	NONE	0.0130
CP419105	419601	6	NONE	0.0050
**				
CP419601	419701	6	NONE	0.0120
CP419701	419831	6	NONE	0.0000
CP419831	419902	6	220131	0.0060
CP419902	419901	6	NONE	0.0060
CP419901	CON035	6	NONE	0.0000
CP420801	420831	6	NONE	0.0000
CP420131	420401	6	413331	0.0000
CP420201	420231	6	NONE	0.0000
CP420301	420331	6	NONE	0.0000
CP420231	420301	6	413331	0.0000
CP420332	420401	6	413331	0.0000
CP420331	420401	6	NONE	0.0000
CP420401	420501	6	NONE	0.0000
CP420501	420502	6	NONE	0.0000
CP420502	420503	6	NONE	0.0000
CP420503	420702	6	NONE	0.0000
CP420001	420702	6	413331	0.0000
CP420702	420732	6	NONE	0.0000
CP420701	420731	6	NONE	0.0000
CPCON166	CON167	6	NONE	0.0000
CP420731	CON166	6	NONE	0.0000
CP420732	CON166	6	413331	0.0000
CPCON167	HCAL19	6	NONE	0.0000
CP420831	CON167	6	413331	0.0000
CPHCAL19	CON031	1	NONE	-3. 0.0360
CP420901	420931	6	NONE	0.0000
CPCON031	CON032	6	NONE	0.0450
CP420931	CON031	6	413331	0.0000
CP421001	421031	6	NONE	0.0000
CPCON032	CON239	6	NONE	0.0450
CP421031	CON032	6	413331	0.0000
CPW12332	CON239	6	NONE	0.0000
CP421201	421231	6	NONE	0.0000
CPW12341	421102	6	NONE	0.0000
CP421101	421131	6	NONE	0.0000
CP421102	421101	6	NONE	0.0000
CPW12342	421102	6	NONE	0.0000
CP421131	BSBR20	6	NONE	0.0000
CPBSBR20	CON239	1	NONE	-3. 0.0810
CP421231	BSBR20	6	413331	0.0000
CPW12331	CON239	6	NONE	0.0000
CPCON239	421301	6	NONE	0.0090
CP421301	421331	6	NONE	0.0000
CPHCBR21	CON033	1	NONE	-3. 0.0500
CP421331	HCBR21	6	NONE	0.0080
CP421401	421431	6	NONE	0.0000
CP421501	421531	6	NONE	0.0000
CP421431	421501	6	NONE	0.0000
CP100401	421601	2	NONE NONE	-3. 0.0000
CP421601	421602	6	NONE	0.0000
CP421531	421601	6	220131	0.0000
CP421602	CON033	6	NONE	0.0000
CP421701	421731	6	NONE	0.0000
CPCON033	421801	6	NONE	0.0000
CP421731	CON033	6	220131	0.0000

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CP421801	421802	6	NONE	0.0000
CP421802	421901	6	NONE	0.0060
CP421901	422001	6	NONE	0.0060
CP422001	421902	6	NONE	0.0000
CP421902	422102	6	NONE	0.0000
CP422102	CON035	6	NONE	0.0060
CP419903	419931	6	NONE	0.0000
CP419931	CON035	6	220131	0.0000
CP422101	422201	6	NONE	0.0190
CPCON035	422101	6	NONE	0.0000
CP422301	422431	6	NONE	0.0120
CP422201	422301	6	NONE	0.0660
CP422431	CFEL22	6	220131	0.0000
CPCFEL22	422504	1	NONE	-3. 0.0060
CP422504	422503	6	NONE	-3. 0.0000
CP422503	422603	6	NONE	0.0060
CP422603	422602	6	NONE	0.0000
CP422602	422502	6	NONE	0.0000
CP422502	422501	6	NONE	0.0000
CP422501	422601	6	NONE	0.0000
CP422601	422701	6	NONE	0.0060
CP422701	416804	6	NONE	0.0110
CP416804	416803	6	NONE	0.0000
CP416803	416802	6	NONE	0.0060
CP416802	416801	6	NONE	0.0000
CP416801	CON036	6	NONE	0.0450
CPCON036	WL2322	6	NONE	0.0000
CPW12322	BRBSB23	6	NONE	0.0100
** Brazos River near South Bend				
**CPBRBSB23	345301	1	NONE	-3. 0.0030
CPBRBSB23	SBSUBS	1	NONE	-3.
CPSBSUBS	SB-DRY	2	BRBSB23	NONE -3.
CPSB-DRY	SB-AVG	2	BRBSB23	NONE -3.
CPSB-AVG	SB-WET	2	BRBSB23	NONE -3.
CPSB-WET	SBDPUL	2	BRBSB23	NONE -3.
CPSBDFPUL	SBAPUL	2	BRBSB23	NONE -3.
CPSBAPUL	SBWPUL	2	BRBSB23	NONE -3.
CPSBWPUL	345301	2	BRBSB23	NONE -3. 0.0030
**				
CP345301	CON037	6	NONE	0.0010
CP345401	345431	6	NONE	0.0000
CP345461	345441	2	NONE	NONE -3. 0.0000
CP345441	OUT	2	NONE	NONE -3. 0.0000
CPP51651	345503	6	NONE	0.0000
CP345431	P51651	6	344801	0.0000
CP345503	WL2312	6	NONE	0.0000
CP345502	345501	6	NONE	0.0000
CP345501	WL2312	6	344801	0.0000
CPW12312	345801	6	NONE	0.0000
CP345601	345631	6	NONE	0.0000
CP345602	345632	6	NONE	0.0000
CP345631	345602	6	NONE	0.0000
CP005511	345804	2	NONE	NONE -3. 0.0000
CP345701	345731	6	NONE	0.0000
CP345702	345732	6	NONE	0.0000
CP345731	345702	6	NONE	0.0000
CP345801	345805	6	NONE	0.0000
CP345805	345832	6	NONE	0.0000
CP005512	WL2311	2	NONE	NONE -3. 0.0000
CPW12311	345921	6	NONE	0.0000
CP345832	D34583	6	345831	0.0000
CP345921	345911	6	NONE	0.0000
CP345804	345831	6	NONE	0.0000
CP345632	345801	6	344801	0.0000
CP345732	345801	6	344801	0.0000
CPGHGH24	CON034	1	NONE	-3. 0.0000
CP345831	D34583	6		0.0000
CP345911	GHGH24	6	NONE	0.0000
CPCON034	346002	6	NONE	0.0000
CP346002	346001	6	NONE	0.0000
CP345802	345803	6	NONE	0.0000
CP346001	345802	6	NONE	0.0010
CP345803	345833	6	NONE	0.0000
CP104871	346102	2	NONE	NONE -3. 0.0000
CP346102	346101	6	NONE	0.0000
CP345833	346102	6	344801	0.0010
CP346101	CON037	6	NONE	0.0010
CPCON037	WL2082	6	NONE	0.0020
CPW12082	CON038	6	NONE	0.0050
CPW12072	CON038	6	NONE	0.0000
CP346201	346231	6	NONE	0.0000
CP346251	346306	2	NONE	NONE -3. 0.0000
CP346306	346304	6	NONE	0.0000
CP346231	346306	6	344801	0.0000

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CP346305	346304	6	NONE	0.0000
CP346304	346303	6	NONE	0.0000
CP346303	346302	6	NONE	0.0000
CP346302	346301	6	NONE	0.0000
CP346301	CON038	6	NONE	0.0000
CPCON038	CON039	6	NONE	0.0030
CPCCIV25	CON039	1	NONE	-3. 0.0040
CPW12071	CON039	6	NONE	0.0000
CPCON039	W12061	6	NONE	0.0040
CPW12061	515501	6	NONE	0.0000
CP515501	515531	6	NONE	0.0000
CP515531	399901	1	NONE	-3. 0.0040
** FNI change for FERC instream flow				
**CP515531	SHGR26	6		0.0000
CP515531	5155IF	6		0.0000
CP5155IF	SHGR26	6	NONE	0.0000
** end FNI change				
CP515551	399901	2	NONE	-3. 0.0000
CP027891	399901	2	NONE	-3. 0.0000
CP039571	CON045	2	NONE	-3. 0.0000
CP399901	BRPP27	6	NONE	0.0010
** Brazos River near Palo Pinto				
**CPBRPP27	400001	1	NONE	-3. 0.0010
CPBRPP27	PPSUBS	1	NONE	-3.
CPPPSUBS	PP-DRY	2	BRPP27	NONE -3.
CPPP-DRY	PP-AVG	2	BRPP27	NONE -3.
CPPP-AVG	PP-WET	2	BRPP27	NONE -3.
CPPP-WET	PPDPUL	2	BRPP27	NONE -3.
CPPPDPUL	PPASPL	2	BRPP27	NONE -3.
CPPPASPL	PPALPL	2	BRPP27	NONE -3.
CPPPALPL	PPWSPL	2	BRPP27	NONE -3.
CPPPWSPL	PPWLPL	2	BRPP27	NONE -3.
CPPPWLPL	400001	2	BRPP27	NONE -3. 0.0010
**				
CP400001	400102	6	NONE	0.0020
CP400531	400001	6	NONE	0.0000
CP400102	400101	6	NONE	0.0000
CP400101	CON040	6	NONE	0.0010
CP400505	400531	6	NONE	0.0000
CP400201	400231	6	NONE	0.0000
CP400331	400301	6	220131	0.0000
CP400301	400302	6	NONE	0.0000
CP400302	400431	6	NONE	0.0000
CP400431	400401	6	220131	0.0000
CP400231	400431	6	344801	0.0000
CP400401	400432	6	NONE	0.0000
CP400451	400401	2	NONE	NONE -3. 0.0000
CPCON040	400503	6	NONE	0.0000
CP400432	CON040	6	NONE	0.0000
CP400503	400502	6	NONE	0.0010
CP400502	CON190	6	NONE	0.0010
CP400504	400532	6	NONE	0.0000
CP400501	CON190	6	NONE	0.0000
CP400532	400501	6	220131	0.0000
CPCON190	CON042	6	NONE	0.0030
CP403152	400602	2	NONE	NONE -3. 0.0000
CP400602	400601	6	NONE	0.0000
CP105852	400601	2	NONE	NONE -3. 0.0000
CP400601	400701	6	NONE	0.0000
CP400701	CON042	6	NONE	0.0000
CPCON042	400901	6	NONE	0.0010
CP400901	401001	6	NONE	0.0000
CP400801	401101	6	NONE	0.0050
CP401001	400801	6	NONE	0.0000
CP401101	401202	6	NONE	0.0000
CP401202	401301	6	NONE	0.0000
CP401301	CON189	6	NONE	0.0000
CPCON189	CON044	6	NONE	0.0000
CP401332	CON189	6	NONE	0.0000
CP401334	CON189	6	NONE	0.0000
CP401305	401331	6	NONE	0.0000
CP401306	401332	6	NONE	0.0000
CP401331	401306	6	NONE	0.0000
CP401307	401333	6	NONE	0.0000
CP401308	401334	6	NONE	0.0000
CP401333	401308	6	220131	0.0000
CP402301	402331	6	NONE	0.0000
CP401841	401861	2	NONE	NONE -3. 0.0000
CP401601	401631	6	NONE	0.0000
CP401701	401731	6	NONE	0.0000
CP401401	401402	6	NONE	0.0000
CP401501	402003	6	NONE	0.0000
CP401402	401403	6	NONE	0.0000
CP401403	401404	6	NONE	0.0000

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CP401404	401405	6	NONE	0.0000
CP401405	401431	6	NONE	0.0000
CP401431	401501	6	220131	0.0000
CP401901	401931	6	NONE	0.0000
CP401631	401901	6	220131	0.0000
CP401731	401801	6	220131	0.0000
CP401801	401831	6	NONE	0.0000
CP401831	401901	6	NONE	0.0000
CP401861	OUT	2	NONE NONE	-3. 0.0000
CP402003	402002	6	NONE	0.0000
CP401931	402003	6	220131	0.0000
CP402161	OUT	2	NONE NONE	-3. 0.0000
CP402162	OUT	2	NONE NONE	-3. 0.0000
CP402163	OUT	2	NONE NONE	-3. 0.0000
CP402002	402001	6	NONE	0.0000
CP402001	402201	6	NONE	0.0000
CP402101	402201	6	220131	0.0000
CP402143	402163	2	NONE NONE	-3. 0.0000
CP402142	402162	2	NONE 220131	-3. 0.0000
CP402141	402161	2	NONE NONE	-3. 0.0000
CP402201	WL2301	6	NONE	0.0000
CP402401	402431	6	NONE	0.0000
CP402402	402432	6	NONE	0.0000
CP402502	402531	6	NONE	0.0000
CP402701	402731	6	NONE	0.0000
CP402631	402701	6	NONE	0.0000
CP402841	OUT	2	NONE NONE	-3. 0.0000
CP402802	402801	6	NONE	0.0000
CP402803	402831	6	NONE	0.0000
CP402801	WL2301	6	NONE	0.0000
CP402831	402801	6	220131	0.0000
CP402901	402931	6	NONE	0.0000
CPW12301	403101	6	NONE	0.0000
CP402331	WL2301	6	220131	0.0000
CP402431	WL2301	6	220131	0.0000
CP402432	WL2301	6	220131	0.0000
CP402531	402601	6	220131	0.0000
CP402601	402631	6	NONE	0.0000
CP402731	WL2301	6	220131	0.0000
CP402931	WL2301	6	220131	0.0000
CPW12302	403201	6	NONE	0.0000
CP403031	403101	6	220131	0.0000
CP403101	403131	6	NONE	0.0000
CP019031	403201	2	NONE NONE	-3. 0.0000
CP019032	403201	2	NONE NONE	-3. 0.0000
CP019033	403201	2	NONE NONE	-3. 0.0000
CP403151	403201	2	NONE NONE	-3. 0.0000
CP403341	OUT	2	NONE NONE	-3. 0.0000
CP403201	403301	6	NONE	0.0000
CP403131	WL2302	6		0.0000
CP403333	403301	6	NONE	0.0000
CP403332	403301	6	NONE	0.0000
CP403331	403301	6	220131	0.0000
CP403301	403701	6	NONE	0.0000
CP403601	403631	6	NONE	0.0000
CP403441	OUT	2	NONE NONE	-3. 0.0000
CP403401	403501	6	NONE	0.0000
CP403501	403701	6	NONE	0.0000
CP403701	PPSA28	6	NONE	0.0000
CP403631	403701	6	220131	0.0000
CPPPSA28	403803	1	NONE	-3. 0.0040
CP403803	403802	6	NONE	0.0040
CP403802	403801	6	NONE	0.0000
CP403801	403102	6	NONE	0.0180
CP403102	403132	6	NONE	0.0000
CP401201	CON044	6	NONE	0.0040
CP403132	401201	6	220131	0.0040
CPCON044	401302	6	NONE	0.0000
CP401302	401303	6	NONE	0.0010
CP401303	401304	6	NONE	0.0000
CP401309	401335	6	NONE	0.0000
CP401304	CON045	6	NONE	0.0010
CP401335	401304	6	220131	0.0000
CP401300	401336	6	NONE	0.0000
CP40130A	401337	6	NONE	0.0000
CP401336	40130A	6	NONE	0.0000
CP544751	544701	2	NONE NONE	-3. 0.0000
CP544701	544731	6	NONE	0.0000
CP386242	OUT	2	NONE NONE	-3. 0.0000
CP386241	OUT	2	NONE 227031	-3. 0.0000
CP404001	404031	6	NONE	0.0000
CP404002	404032	6	NONE	0.0000
CP404032	386201	6	227031	0.0000
CP404101	404131	6	NONE	0.0000

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CP404201	404231	6	NONE	0.0000
CP386201	CON045	6	NONE	0.0000
CP404031	386201	6	227031	0.0000
CP404131	386201	6	227031	0.0000
CP404231	386201	6	227031	0.0000
CPP51641	5164P1	6	NONE	0.0000
CP403901	403931	6	NONE	0.0000
CP105851	CON045	2	NONE	-3. 0.0000
CPCON045	CON046	6	NONE	0.0020
CP401337	CON045	6	220131	0.0000
CP544731	CON045	6	220131	0.0000
CP5164P1	CON045	6	220131	0.0000
CP403931	CON045	6		0.0000
CP404301	404331	6	NONE	0.0000
CPCON046	404402	6	NONE	0.0010
CP404331	CON046	6	220131	0.0000
CP404402	404401	6	NONE	0.0000
**CP 404401 now flows into CP 576701.				
**CP404401	BRDE29	6	NONE	0.0000
CP404401	576701	6	NONE	0.0000
CPBRDE29	404502	1	NONE	-3. 0.0010
CP404502	404501	6	NONE	0.0000
CP404501	404601	6	NONE	0.0000
CP404601	404703	6	NONE	0.0000
CP404703	404702	6	NONE	0.0000
CP404702	404701	6	NONE	0.0000
CP404701	CON047	6	NONE	0.0010
CP404801	404802	6	220131	0.0000
CP404901	404931	6	NONE	0.0000
CP404902	404932	6	NONE	0.0000
CP404931	404902	6	NONE	0.0000
CP405002	405032	6	NONE	0.0000
CP404932	405002	6	227031	0.0000
CP405032	405001	6	NONE	0.0000
CP405001	405031	6	NONE	0.0000
CP405242	OUT	2	NONE	-3. 0.0000
CP405241	OUT	2	NONE	227031 -3. 0.0000
CP405243	OUT	2	NONE	-3. 0.0000
CP405331	405332	6	NONE	0.0000
CP405332	CON048	6	227031	0.0000
CPCON047	405101	6	NONE	0.0010
CP404802	404831	6	NONE	0.0000
CP404831	CON047	6	220131	0.0000
CP405031	CON047	6	227031	0.0000
CP405101	CON048	6	NONE	0.0010
CP405201	WL2052	6	NONE	0.0000
CP021702	405201	2	NONE	NONE -3. 0.0000
CP021701	WL2052	2	NONE	NONE -3. 0.0000
CP021703	WL2052	2	NONE	NONE -3. 0.0000
CPW12052	405401	6	NONE	0.0010
CP405501	411401	6	NONE	0.0000
CP411401	CON191	6	NONE	0.0000
CPCON191	CON049	6	NONE	0.0000
CP405601	405631	6	NONE	0.0000
CP405631	CON049	6	227031	0.0000
CP405834	405833	6	NONE	0.0000
CP405833	CON192	6	NONE	0.0000
CPCON192	CON193	6	NONE	0.0010
CP405832	405831	6	NONE	0.0000
CP405831	CON193	6	227031	0.0000
**CPCON193	CON194	6	NONE	0.0020
CPCON193	406001	6	NONE	0.0016
CP406001	CON194	6	NONE	0.0004
CP406631	CON194	6	227031	0.0000
CP101782	CON194	2	NONE	NONE -3. 0.0000
CPCON194	CON050	6	NONE	0.0020
CP014811	CON050	2	NONE	NONE -3. 0.0000
CP385102	385132	6	NONE	0.0000
CP385132	385131	6	NONE	0.0000
CP385131	385101	6	227031	0.0000
CP385101	CON050	6	NONE	0.0000
CP406901	406931	6	NONE	0.0000
CPCON050	WL2051	6	NONE	0.0010
CP406931	CON050	6	227031	0.0000
CP409753	WL2051	2	NONE	NONE -3. 0.0000
CPW12051	405701	6	NONE	0.0000
CP405701	405901	6	NONE	0.0000
**CP405901	406001	6	NONE	0.0000
CP405901	406101	6	NONE	0.0000
**CP406001	406101	6	NONE	0.0000
CP406101	406201	6	NONE	0.0000
CP406201	406301	6	NONE	0.0000
CP406301	406401	6	NONE	0.0000
CP406401	406501	6	NONE	0.0000

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CP406501	406701	6	NONE	0.0000
CP406701	406801	6	NONE	0.0000
CP406801	407001	6	NONE	0.0000
CP407001	407101	6	NONE	0.0000
CP407101	515601	6	NONE	0.0000
CP515601	515631	6	NONE	0.0000
CP515631	407301	6		0.0000
CP515651	407301	2	NONE NONE	-3. 0.0000
CP407301	407401	6	NONE	0.0000
CP407401	407203	6	NONE	0.0000
CP407203	CON062	6	NONE	0.0000
CP407531	CON062	6	227031	0.0000
CPCON062	W12042	6	NONE	0.0000
CPW12042	407202	6	NONE	0.0000
CP407202	407201	6	NONE	0.0010
CP407241	OUT	2	NONE 227031	-3. 0.0000
CP407201	407601	6	NONE	0.0030
CP407601	407702	6	NONE	0.0000
CP407702	407701	6	NONE	0.0000
CP407701	407801	6	NONE	0.0000
CP407801	407901	6	NONE	0.0000
CP407901	408001	6	NONE	0.0000
CP407931	408001	6	227031	0.0000
CP408001	408002	6	NONE	0.0000
CP408002	408003	6	NONE	0.0000
CP408003	408101	6	NONE	0.0000
CP408101	408102	6	NONE	0.0000
CP408102	408201	6	NONE	0.0000
CP408201	408202	6	NONE	0.0000
CP408202	408203	6	NONE	0.0000
CP408203	408301	6	NONE	0.0000
CP408301	BRGR30	6	NONE	0.0020
CP014012	BRGR30	2	NONE NONE	-3. 0.0000
** Brazos River near Glen Rose				
**CPBRGR30	CON063	1	NONE	-3. 0.0010
CPBRGR30	GRSUBS	1	NONE	-3.
CPGRSUBS	GR-DRY	2	BRGR30 NONE	-3.
CPGR-DRY	GR-AVG	2	BRGR30 NONE	-3.
CPGR-AVG	GR-WET	2	BRGR30 NONE	-3.
CPGR-WET	GRDPUL	2	BRGR30 NONE	-3.
CPGRDPUL	GRASPL	2	BRGR30 NONE	-3.
CPGRASPL	GRALPL	2	BRGR30 NONE	-3.
CPGRALPL	GRWSPL	2	BRGR30 NONE	-3.
CPGRWSPL	GRWLPL	2	BRGR30 NONE	-3.
CPGRWLPL	CON063	2	BRGR30 NONE	-3. 0.0010
**				
CPW12291	408401	6	NONE	0.0000
CP408401	CON200	6	NONE	0.0000
CP408402	408431	6	NONE	0.0000
CP408431	CON200	6	220131	0.0000
CP408403	408432	6	NONE	0.0000
CP408432	408402	6	NONE	0.0000
CP408501	408531	6	NONE	0.0000
CP408531	CON200	6	220131	0.0000
CP408601	CON200	6	NONE	0.0000
CP408641	OUT	2	NONE 220131	-3. 0.0000
CPCON200	CON199	6	NONE	0.0000
CP408751	408704	2	NONE NONE	-3. 0.0000
CP408704	408731	6	NONE	0.0000
CP408731	408703	6	227031	0.0000
CP408703	408702	6	NONE	0.0000
CP408752	408705	2	NONE NONE	-3. 0.0000
CP408705	408732	6	NONE	0.0000
CP408732	408701	6	NONE	0.0000
CP408702	408701	6	227031	0.0000
CP408701	CON199	6	NONE	0.0000
CPCON199	408801	6	NONE	0.0000
CP408801	CON198	6	227031	0.0000
CP408861	408841	2	NONE NONE	-3. 0.0000
CP408841	OUT	2	NONE 227031	-3. 0.0000
CP562831	CON198	6	220131	0.0000
CPCON198	CON197	6	NONE	0.0000
CP529501	5295P1	6	NONE	0.0000
CP5295P1	408902	6	220131	0.0000
CP529502	529532	6	NONE	0.0000
CP529532	408902	6	220131	0.0000
CP408902	408901	6	NONE	0.0000
CP562832	408901	6	220131	0.0000
CP408901	CON197	6	NONE	0.0000
CPCON197	CON196	6	NONE	0.0000
CP409001	409031	6	NONE	0.0000
CP409031	409201	6	227031	0.0000
CP409101	409131	6	NONE	0.0000
CP409131	393901	6	227031	0.0000

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CP393901	393931	6	NONE	0.0000
CP393931	409201	6	227031	0.0000
CP409201	409301	6	NONE	0.0000
CP409301	CON196	6	NONE	0.0000
CPCON196	409402	6	NONE	0.0000
CP409402	409401	6	NONE	0.0000
CP409401	409501	6	NONE	0.0000
CP409501	PAGR31	6	NONE	0.0000
** ADD CP FOR SOMERVELL COUNTY WATER DISTRICT, APP.5744				
**CPPAGR31	409631	1	NONE	-3. 0.0010
CPPAGR31	574432	1	NONE	-3. 0.0009
CP574432	409631	6	227031	0.0001
CP574431	409631	6	227031	0.0000
**				
CP409631	CON073	6	227031	0.0010
CP409701	409731	6	NONE	0.0000
CP409731	546001	6		0.0000
CP409702	409732	6	NONE	0.0000
CP409732	546001	6	409731	0.0000
** FNI Change - add dummy CP for Squaw Creek fill with Lake Granbury water				
CP4097DM	OUT	2	NONE NONE	-3. 0.0000
CP409751	546001	2	NONE NONE	-3. 0.0000
CP409752	546001	2	NONE NONE	-3. 0.0000
CP018544	546001	2	NONE NONE	-3. 0.0000
CP018541	546001	2	NONE NONE	-3. 0.0000
CP546051	546001	2	NONE NONE	-3. 0.0000
CP546052	546001	2	NONE NONE	-3. 0.0000
CP546001	546031	6	NONE	0.0000
CP546061	546041	2	NONE NONE	-3. 0.0000
CP546041	OUT	2	NONE 227031	-3. 0.0000
CP546062	546042	2	NONE NONE	-3. 0.0000
CP546042	OUT	2	NONE NONE	-3. 0.0000
CP546031	CON073	6	227031	0.0000
CPCON073	W12292	6	NONE	0.0000
CPW12292	CON063	6	NONE	0.0000
CPCON063	409801	6	NONE	0.0010
CP409801	409901	6	NONE	0.0020
CP409901	CON064	6	NONE	0.0010
CP502801	502831	6	NONE	0.0000
CP502831	CON064	6	227031	0.0000
CP502851	502852	2	NONE NONE	-3. 0.0000
CP502852	CON064	2	NONE NONE	-3. 0.0000
CPCON064	410001	6	NONE	0.0010
CP410051	410001	2	NONE NONE	-3. 0.0000
CP410001	W12041	6	NONE	0.0010
CPW12041	410201	6	NONE	0.0000
CP410201	W12032	6	NONE	0.0000
CPW12032	CON065	6	NONE	0.0000
CP410131	CON065	6	227031	0.0000
CPCON065	410202	6	NONE	0.0000
CP410202	410301	6	NONE	0.0010
CP410203	410301	6	NONE	0.0000
CP410301	410302	6	NONE	0.0000
CP410302	410303	6	NONE	0.0000
CP410303	410304	6	NONE	0.0000
CP410304	410305	6	NONE	0.0000
CP410305	410306	6	NONE	0.0000
CP410306	410401	6	NONE	0.0010
CP410401	410402	6	NONE	0.0000
CP410402	410403	6	NONE	0.0000
CP410403	410404	6	NONE	0.0000
CP410404	410405	6	NONE	0.0000
CP410405	410406	6	NONE	0.0010
CP410406	410407	6	NONE	0.0000
CP410407	410408	6	NONE	0.0000
**CP410408	CON066	6	NONE	0.0020
**CP410409	CON066	6	NONE	0.0000
CP410408	410409	6	NONE	0.0004
CP410409	CON066	6	NONE	0.0016
CP410501	W12282	6	NONE	0.0000
CPW12282	410601	6	NONE	0.0000
CPW12281	CON195	6	NONE	0.0000
CP410601	410631	6	NONE	0.0000
CP410631	410602	6		0.0000
CP410602	W12272	6	NONE	0.0000
CPW12272	W12281	6	NONE	0.0000
CP425801	425831	6	NONE	0.0000
CP425831	410701	6	227031	0.0000
CP100061	410701	2	NONE NONE	-3. 0.0000
CP410701	CON195	6	NONE	0.0000
** FNI change - Cleburne reuse				
**CPCON195	NRBL32	6	NONE	0.0000
CPCON195	4106C	6	NONE	0.0000
CP 4106C	NRBL32	6	NONE	0.0000

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Account ID	Account Name	Category	Impact	Value	Rate	
**						
CPNRBL32	WL2271	1	NONE	-3.	0.0010	
CPW12271	CON066	6	NONE		0.0020	
CPCON066	CON067	6	NONE		0.0010	
CP410801	410802	6	NONE		0.0000	
CP410802	CON067	6	NONE		0.0000	
CP410803	CON067	6	NONE		0.0000	
CPCON067	CON068	6	NONE		0.0030	
CP410901	410931	6	NONE		0.0000	
CP410931	411001	6	227031		0.0000	
CP411001	CON068	6	NONE		0.0000	
CP411101	411131	6	NONE		0.0000	
CP411131	CON068	6	228731		0.0000	
CP411201	411231	6	NONE		0.0000	
CP411231	CON068	6	227031		0.0000	
CPCON068	CON069	6	NONE		0.0020	
CP534631	411301	6	228731		0.0000	
CP411301	411331	6	NONE		0.0000	
CP411331	411302	6	NONE		0.0000	
CP411302	411332	6	NONE		0.0000	
CP411332	411303	6	NONE		0.0000	
CP411303	411333	6	NONE		0.0000	
CP411333	CON069	6	228731		0.0000	
CPCON069	515701	6	NONE		0.0030	
CPW12031	515701	6	NONE		0.0000	
CP515701	515731	6	NONE		0.0000	
CP515731	WL2422	6			0.0000	
CP515751	WL2422	2	NONE	NONE	-3.	0.0000
CPW12422	431501	6	NONE		0.0000	
CP431501	431601	6	NONE		0.0000	
CP431601	431802	6	NONE		0.0000	
CP431802	431701	6	NONE		0.0000	
CP431701	431801	6	NONE		0.0000	
CP431841	OUT	2	NONE	228731	-3.	0.0000
CP431801	BRAQ33	6	NONE		0.0000	
CP431901	431902	6	NONE		0.0000	
CP431902	BRAQ33	6	NONE		0.0000	
CPBRAQ33	432001	1	NONE		-3.	0.0010
CP432001	431803	6	NONE		0.0000	
CP431803	P41411	6	NONE		0.0000	
CPP41411	432101	6	NONE		0.0000	
CP432101	432201	6	NONE		0.0000	
CP432201	432202	6	NONE		0.0000	
CP432202	432301	6	NONE		0.0000	
CP432301	432403	6	NONE		0.0000	
CP432403	432402	6	NONE		0.0000	
CP432402	432401	6	NONE		0.0000	
CP432441	OUT	2	NONE	228731	-3.	0.0000
CP432401	432501	6	NONE		0.0010	
CP432501	432601	6	NONE		0.0000	
CP432601	432701	6	NONE		0.0000	
CP432701	432801	6	NONE		0.0000	
CP432801	432901	6	NONE		0.0000	
CP432901	433001	6	NONE		0.0010	
CP433001	433101	6	NONE		0.0000	
CP433101	433201	6	NONE		0.0000	
CP433201	CON070	6	NONE		0.0020	
CPW12541	515801	6	NONE		0.0000	
CP433301	433331	6	NONE		0.0000	
CP433331	515801	6	227031		0.0000	
CP106301	515801	2	NONE	NONE	-3.	0.0000
CPW12542	515801	6	NONE		0.0000	
CP515851	515801	2	NONE	NONE	-3.	0.0000
CP515801	515831	6	NONE		0.0000	
CP515831	515802	6			0.0000	
CP515802	433401	6	NONE		0.0010	
CP433401	433431	6	NONE		0.0000	
CP433431	AQAQ34	6	228731		0.0000	
CPAQAQ34	433501	1	NONE		-3.	0.0000
CP433501	CON070	6	NONE		0.0040	
CPCON070	433801	6	NONE		0.0020	
CP433601	433801	6	NONE		0.0000	
CP433701	433702	6	NONE		0.0000	
CP433702	433801	6	NONE		0.0000	
CP433801	433902	6	NONE		0.0000	
CP433902	433901	6	NONE		0.0000	
CP220131	220102	6			0.0000	
CP220102	220101	6	NONE		0.0000	
CP220101	220331	6	NONE		0.0000	
CP220331	220231	6	220131		0.0000	
CP220231	220401	6	220131		0.0000	
CP220401	220431	6	NONE		0.0000	
CP220431	220802	6	220131		0.0000	
CP220502	220531	6	NONE		0.0000	

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CP220531	220501	6		220131		0.0000
CP220551	220501	2	NONE	NONE	-3.	0.0000
CP220501	220802	6		NONE		0.0000
CP220631	220731	6		220131		0.0000
CP220731	220601	6		220131		0.0000
CP220651	220601	2	NONE	NONE	-3.	0.0000
CP220751	220601	2	NONE	NONE	-3.	0.0000
CP220601	220701	6		NONE		0.0000
CP220701	220802	6		NONE		0.0000
CP220803	220801	6		NONE		0.0000
CP220801	220831	6		NONE		0.0000
CP220831	220802	6		220131		0.0000
CP220851	220802	2	NONE	NONE	-3.	0.0000
CP220802	221003	6		NONE		0.0000
CP220901	220931	6		NONE		0.0000
CP220931	221003	6		220131		0.0000
CP221003	221002	6		NONE		0.0000
CP221002	221001	6		NONE		0.0000
CP221001	CON209	6		NONE		0.0000
CP221431	221231	6		220131		0.0000
CP221231	221331	6		220131		0.0000
CP221331	CON211	6		220131		0.0000
CP221101	221131	6		NONE		0.0000
CP221131	390001	6		220131		0.0000
CP390001	390002	6		NONE		0.0000
CP390002	CON211	6		220131		0.0000
CPCON211	CON210	6		NONE		0.0000
CP221502	221531	6		NONE		0.0000
CP221531	221601	6		220131		0.0000
CP221601	221631	6		NONE		0.0000
CP221631	221501	6		220131		0.0000
CP221551	221501	2	NONE	NONE	-3.	0.0000
CP221501	CON210	6		NONE		0.0000
CPCON210	CON209	6		NONE		0.0000
CPCON209	W12552	6		NONE		0.0000
CPW12552	CON208	6		NONE		0.0000
CP221731	221831	6		220131		0.0000
CP221831	CON208	6		220131		0.0000
CPCON208	561931	6		NONE		0.0000
CP561931	561932	6		220131		0.0000
CP561932	221901	6		NONE		0.0000
CP221901	222001	6		NONE		0.0000
CP102902	222001	2	NONE	NONE	-3.	0.0000
CP222001	500701	6		NONE		0.0000
CP500701	500702	6		NONE		0.0000
CP500702	222101	6		NONE		0.0000
CP222101	222201	6		NONE		0.0000
CP222201	222301	6		NONE		0.0000
CP222301	505202	6		NONE		0.0000
CP505202	505201	6		NONE		0.0000
CP505201	CON207	6		NONE		0.0000
CP222431	W12551	6		220131		0.0000
CPW12551	CON207	6		NONE		0.0000
CPCON207	W12261	6		NONE		0.0000
CPW12261	CON206	6		NONE		0.0000
CPCON206	222601	6		NONE		0.0000
CP222701	222731	6		NONE		0.0000
CP222731	222831	6		220131		0.0000
CP222851	222831	2	NONE	NONE	-3.	0.0000
CP222831	222801	6		220131		0.0000
CP222801	222802	6		NONE		0.0000
CP222802	222803	6		NONE		0.0000
CP222803	222804	6		NONE		0.0000
CP222804	CON206	6		NONE		0.0000
CP222601	222903	6		NONE		0.0000
CP222903	222902	6		NONE		0.0000
CP222902	222901	6		NONE		0.0000
CP222901	CON205	6		NONE		0.0000
CP222501	CON205	6		NONE		0.0000
CP223001	223031	6		NONE		0.0000
CP223031	223131	6		220131		0.0000
CP223131	223101	6		220131		0.0000
CP223101	CON205	6		NONE		0.0000
CP223211	223231	6		NONE		0.0000
CP223231	CON205	6		220131		0.0000
CPCON205	555721	6		NONE		0.0000
CP555721	555711	6		NONE		0.0000
CP555711	223301	6		NONE		0.0000
CP223301	223401	6		NONE		0.0000
CP223401	P41242	6		NONE		0.0000
CPP41242	223502	6		NONE		0.0000
CP223502	223501	6		NONE		0.0000
CP223451	223402	2	NONE	NONE	-3.	0.0000
CP223402	P41241	6		NONE		0.0000

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CP412451	P41241	2	NONE	NONE	-3.	0.0000
CPP41241	412431	6		NONE		0.0000
CP412431	223501	6		220131		0.0000
CP223501	223601	6		NONE		0.0000
CP223601	CON204	6		NONE		0.0000
CP223867	223847	2	NONE	NONE	-3.	0.0000
CP223847	OUT	2	NONE	NONE	-3.	0.0000
CP223866	223846	2	NONE	NONE	-3.	0.0000
CP223846	OUT	2	NONE	NONE	-3.	0.0000
CP223865	223845	2	NONE	NONE	-3.	0.0000
CP223845	OUT	2	NONE	NONE	-3.	0.0000
CP223864	223844	2	NONE	NONE	-3.	0.0000
CP223844	OUT	2	NONE	NONE	-3.	0.0000
CP223863	223843	2	NONE	NONE	-3.	0.0000
CP223843	OUT	2	NONE	NONE	-3.	0.0000
CP223862	223842	2	NONE	NONE	-3.	0.0000
CP223842	OUT	2	NONE	NONE	-3.	0.0000
CP223861	223841	2	NONE	NONE	-3.	0.0000
CP223841	OUT	2	NONE	220131	-3.	0.0000
CP223805	223831	6		NONE		0.0000
CP223831	223804	6		220131		0.0000
CP223804	223803	6		NONE		0.0000
CP223803	223802	6		NONE		0.0000
CP223802	223801	6		NONE		0.0000
CP223701	223731	6		NONE		0.0000
CP223731	223702	6		220131		0.0000
CP223702	223801	6		NONE		0.0000
CP223801	CON204	6		NONE		0.0000
CP223901	223931	6		NONE		0.0000
CP223931	CON204	6		220131		0.0000
CP224002	224031	6		NONE		0.0000
CP224031	224001	6		220131		0.0000
CP224001	CON204	6		NONE		0.0000
CP224101	224131	6		NONE		0.0000
CP224131	224202	6		220131		0.0000
CP224202	224231	6		NONE		0.0000
CP224231	224201	6		220131		0.0000
CP224201	224302	6		NONE		0.0000
CP224302	224331	6		NONE		0.0000
CP224331	224301	6		220131		0.0000
CP224301	CON204	6		NONE		0.0000
CP224401	224431	6		NONE		0.0000
CP224431	224501	6		220131		0.0000
CP224501	224531	6		NONE		0.0000
CP224531	224502	6		220131		0.0000
CP224502	CON204	6		NONE		0.0000
CP224601	224631	6		NONE		0.0000
CP224631	224602	6		220131		0.0000
CP224602	CON204	6		NONE		0.0000
CP224702	224732	6		NONE		0.0000
CP224732	224801	6		220131		0.0000
CP224701	224731	6		NONE		0.0000
CP224731	224901	6		220131		0.0000
CP224801	224831	6		NONE		0.0000
CP224831	224902	6		220131		0.0000
CP224902	224931	6		NONE		0.0000
CP224931	224701	6		220131		0.0000
CP224901	CON204	6		NONE		0.0000
CPCON204	CON203	6		NONE		0.0000
CP225001	CON203	6		NONE		0.0000
CPCON203	225101	6		NONE		0.0000
CP225101	225202	6		NONE		0.0000
CP225202	225201	6		NONE		0.0000
CP225201	CON202	6		NONE		0.0000
CP225331	CON202	6				0.0000
CPCON202	225404	6		NONE		0.0000
CP225404	225502	6		NONE		0.0000
CP225502	225501	6		NONE		0.0000
CP225501	CON201	6		NONE		0.0000
CP505101	505131	6		NONE		0.0000
CP505131	225406	6		225331		0.0000
CP225406	225405	6		NONE		0.0000
CP225405	225403	6		NONE		0.0000
CPCON201	225402	6		NONE		0.0000
CP225403	CON201	6		NONE		0.0000
CP225402	225801	6		NONE		0.0000
CP225801	225401	6		NONE		0.0000
CP225401	225901	6		NONE		0.0000
CP225901	225903	6		NONE		0.0000
CP225903	225902	6		NONE		0.0000
CP225902	226001	6		NONE		0.0000
CP226001	NBHI35	6		NONE		0.0000
CPNBHI35	226101	1		NONE	-3.	0.0050
CP226101	226202	6		NONE		0.0140

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CP226202	226201	6	NONE		0.0000
CP226201	226301	6	NONE		0.0050
CP226301	226405	6	NONE		0.0000
CP226403	226402	6	NONE		0.0000
CP226402	226401	6	NONE		0.0000
CP226401	226405	6	NONE		0.0000
CP226405	226404	6	NONE		0.0050
CP226404	226506	6	NONE		0.0000
CP226506	378302	6	NONE		0.0000
CP378302	226505	6	NONE		0.0000
CP226505	226504	6	NONE		0.0000
CP226504	226503	6	NONE		0.0000
CP226503	378301	6	NONE		0.0050
CP378303	378304	6	NONE		0.0000
CP378304	378301	6	NONE		0.0000
CP378301	226502	6	NONE		0.0000
CP378351	378331	2	NONE	NONE	-3. 0.0000
CP378331	378301	6		228731	0.0000
CP226502	226501	6		NONE	0.0000
CP226501	226601	6		NONE	0.0310
CP226601	CON079	6		NONE	0.0050
CP226701	226801	6		NONE	0.0000
CP226801	CON079	6		NONE	0.0000
CPCON079	226901	6		NONE	0.0090
CP226901	CON071	6		NONE	0.0050
CP227032	227001	6		NONE	0.0000
CP227001	227031	6		NONE	0.0000
CP227031	CON071	6			0.0000
CPCON071	227101	6		NONE	0.0000
CP227101	227201	6		NONE	0.0050
CP227201	CON072	6		NONE	0.0140
CP227307	227333	6		NONE	0.0000
CP227333	227301	6		NONE	0.0000
CP227353	227301	2	NONE	NONE	-3. 0.0000
CP227301	227606	6		227031	0.0000
CP227305	227331	6		NONE	0.0000
CP227331	227306	6		NONE	0.0000
CP227351	227306	2	NONE	NONE	-3. 0.0000
CP227306	227332	6		NONE	0.0000
CP227332	227304	6		NONE	0.0000
CP227352	227304	2	NONE	NONE	-3. 0.0000
CP227304	227303	6		NONE	0.0000
CP227303	227302	6		NONE	0.0000
CP227701	227702	6		NONE	0.0000
CP227702	CON072	6		NONE	0.0000
CPCON072	227801	6		NONE	0.0220
CP227801	227802	6		NONE	0.0000
CP227802	227901	6		NONE	0.0140
CP227901	228001	6		NONE	0.0050
CP228001	228002	6		NONE	0.0000
CP228002	228101	6		NONE	0.0220
CP228101	228201	6		NONE	0.0050
CP228201	228202	6		NONE	0.0050
CP228202	228302	6		NONE	0.0090
CP228302	228301	6		NONE	0.0000
** add cp for application 4318B					
CP431831	228301	6		227031	0.0050
CP228301	228401	6		NONE	0.0050
CP228401	228402	6		NONE	0.0000
CP228402	228501	6		NONE	0.0000
CP228501	541101	6		NONE	0.0180
CP541101	CON074	6		NONE	0.0180
**The existing reservoir control points, 380936, 380935, 380934, 380933, 380932, 380931 were assigned evaporative loss					
CP380906	380936	6		NONE	0.0000
CP380936	380903	6		228731	0.0000
CP380905	380935	6		NONE	0.0000
CP380935	380903	6		228731	0.0000
CP380903	380933	6		NONE	0.0000
CP380933	380904	6		228731	0.0000
CP380902	380932	6		NONE	0.0000
CP380932	380904	6		228731	0.0000
CP380901	380931	6		NONE	0.0000
CP380931	380904	6		228731	0.0000
CP380904	380934	6		NONE	0.0000
CP380934	CON074	6		228731	0.0000
CP228931	CON074	6		228731	0.0000
CP228702	228701	6		NONE	0.0000
CP228701	228731	6		NONE	0.0000
CP228731	228801	6			0.0000
CP228801	CON074	6		NONE	0.0000
CPCON074	229001	6		NONE	0.0050
CP229001	229002	6		NONE	0.0000
CP229002	CON212	6		NONE	0.0000
CPCON212	555101	6		NONE	0.0050

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CP555101	229101	6	NONE	0.0000
CP229101	229131	6	NONE	0.0000
CP229131	229102	6	228731	0.0000
CP229151	229102	2	NONE NONE	-3. 0.0000
CP229102	NBCL36	6	NONE	0.0050
** NORTH BOSQUE NEAR CLIFTON				
**CPNBCL36	229201	1	NONE	-3. 0.0000
CPNBCL36	NBSUBS	1	NONE	-3.
CPNBSUBS	NB-DRY	2	NBCL36 NONE	-3.
CPNB-DRY	NB-AVG	2	NBCL36 NONE	-3.
CPNB-AVG	NB-WET	2	NBCL36 NONE	-3.
CPNB-WET	NBDPUL	2	NBCL36 NONE	-3.
CPNBDPUL	NBAPUL	2	NBCL36 NONE	-3.
CPNBAPUL	NBWPUL	2	NBCL36 NONE	-3.
CPNBWPUL	229201	2	NBCL36 NONE	-3. 0.0000
**				
CP229201	229301	6	NONE	0.0000
CP229301	229401	6	NONE	0.0350
CP229401	229402	6	NONE	0.0000
CP229402	229403	6	NONE	0.0000
CP229403	229501	6	NONE	0.0000
CP229501	CON075	6	NONE	0.0000
CP555102	555131	6	NONE	0.0000
CP555151	555131	2	NONE NONE	-3. 0.0000
CP555131	CON212	6	228731	0.0000
CP229701	229731	6	NONE	0.0000
CP229731	229801	6	228731	0.0000
CP229702	229732	6	NONE	0.0000
CP229732	229703	6	NONE	0.0000
CP229703	229733	6	NONE	0.0000
CP229733	229801	6	NONE	0.0000
CP229801	CON075	6	NONE	0.0000
CPCON075	229202	6	NONE	0.0050
CP229202	229203	6	NONE	0.0000
CP229203	229204	6	NONE	0.0050
CP229204	229205	6	NONE	0.0000
CP229205	229901	6	NONE	0.0000
CP229901	229902	6	NONE	0.0050
CP229902	NBVM37	6	NONE	0.0150
CPNBVM37	230000	1	NONE	-3. 0.0040
CP230000	230101	6	NONE	0.0080
CP230101	230205	6	NONE	0.0160
CP230205	230204	6	NONE	0.0040
CP230204	230203	6	NONE	0.0000
CP230203	220804	6	NONE	0.0000
CP220804	230202	6	NONE	0.0040
CP230202	220805	6	NONE	0.0000
CP220805	230201	6	NONE	0.0000
CP230201	220806	6	NONE	0.0040
CP220806	230301	6	NONE	0.0000
CP230301	220807	6	NONE	0.0040
CP220807	230401	6	NONE	0.0000
CP230401	230502	6	NONE	0.0000
CP230502	230501	6	NONE	0.0000
CP230501	230601	6	NONE	0.0280
CP230601	W12262	6	NONE	0.0080
CPW12262	231501	6	NONE	0.0280
CPW12252	231501	6	NONE	0.0000
CPP36361	363631	6	NONE	0.0000
CP231131	CON213	6	228731	0.0000
CP363631	CON213	6	228731	0.0000
CPCON213	231206	6	NONE	0.0000
CP231206	231236	6	NONE	0.0000
CP231236	231205	6	NONE	0.0000
CP231205	231235	6	NONE	0.0000
CP231235	231204	6	NONE	0.0000
CP231204	231234	6	NONE	0.0000
CP231234	231203	6	NONE	0.0000
CP231203	231233	6	NONE	0.0000
CP231233	231202	6	NONE	0.0000
CP231202	231232	6	NONE	0.0000
CP231232	231201	6	NONE	0.0000
CP231201	231231	6	NONE	0.0000
CP231231	CON214	6	228731	0.0000
CP231331	CON214	6	228731	0.0000
CPCON214	231303	6	NONE	0.0000
CP231303	231302	6	NONE	0.0000
CP231302	231301	6	NONE	0.0000
CP231301	HGCR39	6	NONE	0.0000
CPHGCR39	CON078	1	NONE	-3. 0.0410
CPW12461	230701	6	NONE	0.0000
CP230701	230801	6	NONE	0.0000
CP230801	CON215	6	NONE	0.0000
CP413551	P41351	2	NONE NONE	-3. 0.0000

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CPP41351	CON215	6	NONE	0.0000
CP413541	OUT	2	NONE 228731	-3. 0.0000
CPCON215	MEMG38	6	NONE	0.0000
CPMBMG38	CON077	1	NONE	-3. 0.0340
CP231003	231033	6	NONE	0.0000
CP231033	231002	6	NONE	0.0000
CP231002	231032	6	NONE	0.0000
CP231032	231001	6	NONE	0.0000
CP231001	231031	6	NONE	0.0000
CP231031	CON077	6	228731	0.0000
CP102191	230901	2	NONE NONE	-3. 0.0000
CP230901	CON077	6	NONE	0.0000
CP539741	OUT	2	NONE 228731	-3. 0.0000
CP539701	539731	6	NONE	0.0000
CP539731	CON077	6	228731	0.0000
CPCON077	W12462	6	NONE	0.0000
CPW12462	W12251	6	NONE	0.0000
CPW12251	CON078	6	NONE	0.0080
CPCON078	231501	6	NONE	0.0050
CP231431	231432	6	NONE	0.0000
CP231432	231501	6	228731	0.0000
CP509401	509431	6	NONE	0.0000
CP509431	BOWA40	6	228731	0.0080
CP231531	509401	6		0.0000
CP231501	231531	6	NONE	0.0000
CP231602	231601	6	NONE	0.0000
CP231601	BOWA40	6	NONE	0.0000
CPBOWA40	231703	1	NONE	-3. 0.0040
CP231703	231801	6	NONE	0.0000
CP231801	231702	6	NONE	0.0040
CP231702	231701	6	NONE	0.0000
CP231701	433901	6	NONE	0.0040
CP346501	346531	6	NONE	0.0000
CP346531	346801	6	220131	0.0000
CP346631	346801	6	220131	0.0000
CP346701	346731	6	NONE	0.0000
CP346731	346801	6	413331	0.0000
CP106371	346801	2	NONE NONE	-3. 0.0000
CP346801	346831	6	NONE	0.0000
CP346831	CON182	6	220131	0.0000
CP347401	347431	6	NONE	0.0000
CP347431	347501	6	220131	0.0000
CP347501	347531	6	NONE	0.0000
CP347531	CON182	6	220131	0.0000
CPCON182	W12241	6	NONE	0.0000
CPW12241	W12242	6	NONE	0.0000
CP346901	346931	6	NONE	0.0000
CP346931	W12242	6	220131	0.0000
CPW12242	347001	6	NONE	0.0000
CP347001	347031	6	NONE	0.0000
CP347051	347001	2	NONE NONE	-3. 0.0000
CP347031	CON181	6		0.0000
CP347101	347131	6	NONE	0.0000
CP347131	347102	6	NONE	0.0000
CP347102	347132	6	NONE	0.0000
CP347132	CON181	6	220131	0.0000
CP347201	347231	6	NONE	0.0000
CP347231	CON181	6	220131	0.0000
CPCON181	W12232	6	NONE	0.0000
CPW12232	CON180	6	NONE	0.0000
CP347301	347331	6	NONE	0.0000
CP347331	CON180	6	220131	0.0000
CPCON180	CON179	6	NONE	0.0000
CP347901	347931	6	NONE	0.0000
CP347931	348001	6	220131	0.0000
CP348001	348031	6	NONE	0.0000
CP348031	CON179	6	220131	0.0000
CP348101	348131	6	NONE	0.0000
CP348131	CON179	6	220131	0.0000
CP348201	348231	6	NONE	0.0000
CP348231	348202	6	NONE	0.0000
CP348202	348232	6	NONE	0.0000
CP348232	CON179	6	220131	0.0000
CP348251	348232	2	NONE NONE	-3. 0.0000
CPCON179	CON178	6	NONE	0.0000
CP348301	348302	6	NONE	0.0000
CP348302	348331	6	NONE	0.0000
CP348331	CON178	6	220131	0.0000
CP348401	348431	6	NONE	0.0000
CP348431	CON178	6	220131	0.0000
CPCON178	CON177	6	NONE	0.0000
CP348602	348632	6	NONE	0.0000
CP348632	CON177	6	220131	0.0000
CP348603	348633	6	NONE	0.0000

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CP348633	CON177	6	220131	0.0000
CP348501	348531	6	NONE	0.0000
CP348531	348601	6	220131	0.0000
CP348601	348631	6	NONE	0.0000
CP348631	CON177	6	220131	0.0000
CPCON177	CON176	6	NONE	0.0000
CPP52741	5274P1	6	NONE	0.0000
CP5274P1	CON176	6	220131	0.0000
CPCON176	CON175	6	NONE	0.0000
CP348701	348731	6	NONE	0.0000
CP348731	348801	6	220131	0.0000
CP348801	348831	6	NONE	0.0000
CP348831	CON175	6	220131	0.0000
CP348901	348931	6	NONE	0.0000
CP348931	CON175	6	220131	0.0000
CPCON175	CON174	6	NONE	0.0000
CP349001	349031	6	NONE	0.0000
CP349031	CON174	6	220131	0.0000
CPCON174	CON173	6	NONE	0.0000
CP349201	349231	6	NONE	0.0000
CP349231	CON173	6	220131	0.0000
CPCON173	CON172	6	NONE	0.0000
CP349301	349331	6	NONE	0.0000
CP349331	349401	6	220131	0.0000
CP349401	349431	6	NONE	0.0000
CP349431	CON172	6	220131	0.0000
CP349501	349531	6	NONE	0.0000
CP349531	CON172	6	220131	0.0000
CPCON172	CON171	6	NONE	0.0000
CP349601	349631	6	NONE	0.0000
CP349631	CON171	6	220131	0.0000
CPCON171	CON170	6	NONE	0.0000
CP349701	349801	6	NONE	0.0000
CP349801	349831	6	NONE	0.0000
CP349831	CON170	6	220131	0.0000
CPCON170	CON169	6	NONE	0.0000
CP349901	349931	6	NONE	0.0000
CP349931	CON169	6	220131	0.0000
CPCON169	350001	6	NONE	0.0000
CP350001	CON168	6	NONE	0.0000
CP350101	350131	6	NONE	0.0000
CP350131	CON168	6	220131	0.0000
CPCON168	LEDL43	6	NONE	0.0000
CPLEDL43	CON051	1	NONE	-3. 0.0000
CP393401	393431	6	NONE	0.0000
CP393431	350301	6	220131	0.0000
CP350201	350231	6	NONE	0.0000
CP350231	350302	6	220131	0.0000
CP350302	350332	6	NONE	0.0000
CP350332	350301	6	NONE	0.0000
CP350301	350331	6	NONE	0.0000
CP350331	CON051	6	220131	0.0000
CPCON051	CON052	6	NONE	0.0090
CP350601	350631	6	NONE	0.0000
CP350631	350801	6	220131	0.0000
CP350801	350831	6	NONE	0.0000
CP350831	CON052	6	220131	0.0000
CPCON052	CON053	6	NONE	0.0000
CP350401	350431	6	NONE	0.0000
CP350431	350501	6	220131	0.0000
CP350501	350531	6	NONE	0.0000
CP350531	CON053	6	220131	0.0000
CPCON053	351101	6	NONE	0.0180
CP351101	351201	6	NONE	0.0000
CP351201	CON054	6	NONE	0.0450
CP351501	351531	6	NONE	0.0000
CP351531	351631	6	220131	0.0000
CP351631	CON054	6	220131	0.0000
CP351401	351431	6	NONE	0.0000
CP351431	CON054	6	220131	0.0000
CP351701	351731	6	NONE	0.0000
CP351731	CON054	6	220131	0.0000
CP351801	351831	6	NONE	0.0000
CP351831	CON054	6	220131	0.0000
CP351901	351931	6	NONE	0.0000
CP351931	CON054	6	220131	0.0000
CPCON054	CON060	6	NONE	0.0630
CPW12231	CON060	6	NONE	0.0000
CP352001	352031	6	NONE	0.0000
CP352031	352802	6	220131	0.0000
CP352101	352131	6	NONE	0.0000
CP352131	352802	6	220131	0.0000
CP352202	352232	6	NONE	0.0000
CP352232	352201	6	NONE	0.0000

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CP352201	352231	6	NONE	0.0000
CP352231	352802	6	220131	0.0000
CP352301	352331	6	NONE	0.0000
CP352331	352402	6	220131	0.0000
CP352402	352432	6	NONE	0.0000
CP352432	352401	6	NONE	0.0000
CP352401	352431	6	NONE	0.0000
CP352431	352802	6	220131	0.0000
CP352501	352531	6	NONE	0.0000
CP352531	352802	6	220131	0.0000
CP426301	426331	6	NONE	0.0000
CP426331	352802	6	NONE	0.0000
CP352601	352631	6	NONE	0.0000
CP352631	352802	6	220131	0.0000
CP352801	352831	6	NONE	0.0000
CP352831	352802	6	220131	0.0000
CP353001	353031	6	NONE	0.0000
CP353031	352802	6	220131	0.0000
CP353002	353032	6	NONE	0.0000
CP353032	352802	6	220131	0.0000
CP352802	353201	6	NONE	0.0000
CP353101	353131	6	NONE	0.0000
CP353131	353102	6	220131	0.0000
CP353102	353132	6	NONE	0.0000
CP353132	353201	6	220131	0.0000
CP526001	526031	6	NONE	0.0000
CP526031	353201	6	220131	0.0000
CP526002	526032	6	NONE	0.0000
CP526032	353201	6	220131	0.0000
CP353241	OUT	2	NONE 220131	-3. 0.0000
CP353201	353401	6	NONE	0.0000
CP353301	353331	6	NONE	0.0000
CP353331	353104	6	220131	0.0000
CP353104	353134	6	NONE	0.0000
CP353134	353401	6	220131	0.0000
CP353103	353133	6	NONE	0.0000
CP353133	353401	6	220131	0.0000
CP353442	OUT	2	NONE NONE	-3. 0.0000
CP353441	OUT	2	NONE 220131	-3. 0.0000
CP353401	354301	6	NONE	0.0000
CP353501	353531	6	NONE	0.0000
CP353531	353602	6	220131	0.0000
CP353602	353632	6	NONE	0.0000
CP353632	353601	6	NONE	0.0000
CP353601	353631	6	NONE	0.0000
CP353631	354301	6	220131	0.0000
CP353701	353731	6	NONE	0.0000
CP353731	353801	6	220131	0.0000
CP353751	353801	2	NONE NONE	-3. 0.0000
CP353801	353831	6	NONE	0.0000
CP353831	354301	6	220131	0.0000
CP353901	353931	6	NONE	0.0000
CP353931	354301	6	220131	0.0000
CP354003	354032	6	NONE	0.0000
CP354032	354301	6	220131	0.0000
CP354101	354131	6	NONE	0.0000
CP354131	354231	6	220131	0.0000
CP354231	354301	6	220131	0.0000
CP354301	SADL44	6	NONE	0.0000
CPSADL44	354401	1	NONE	-3. 0.0000
CP354401	354001	6	NONE	0.0080
CP354001	CON055	6	NONE	0.0080
CP354002	354031	6	NONE	0.0000
CP354031	CON055	6	220131	0.0000
CP354501	354531	6	NONE	0.0000
CP354531	CON055	6	220131	0.0000
CP354602	354631	6	NONE	0.0000
CP354631	354601	6	220131	0.0000
CP354601	CON055	6	NONE	0.0000
CP354341	OUT	2	NONE 220131	-3. 0.0000
CP354641	OUT	2	NONE NONE	-3. 0.0000
CPCON055	CON056	6	NONE	0.0080
CP354701	354731	6	NONE	0.0000
CP354731	CON056	6	220131	0.0000
CP354801	354831	6	NONE	0.0000
CP354831	CON056	6	220131	0.0000
CPCON056	CON057	6	NONE	0.0080
CP354901	354931	6	NONE	0.0000
CP354931	CON057	6	220131	0.0000
CP355001	355031	6	NONE	0.0000
CP355031	CON057	6	220131	0.0000
CP355101	355131	6	NONE	0.0000
CP355131	CON057	6	220131	0.0000
CPCON057	CON058	6	NONE	0.0230

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CP507301	507331	6	NONE	0.0000
CP507331	CON058	6	220131	0.0000
CPCON058	CON060	6	NONE	0.0520
CP355201	355231	6	NONE	0.0000
CP355231	CON060	6	220131	0.0000
CP355301	355331	6	NONE	0.0000
CP355331	CON060	6	220131	0.0000
CP355401	355431	6	NONE	0.0000
CP355431	CON060	6	220131	0.0000
CP355501	355531	6	NONE	0.0000
CP355531	CON060	6	220131	0.0000
CP355601	355701	6	220131	0.0000
CP355701	355731	6	NONE	0.0000
CP355731	CON060	6	220131	0.0000
CPCON060	CON246	6	NONE	0.0440
CP355801	W12222	6	NONE	0.0000
CPW12222	CON246	6	NONE	0.0000
CPCON246	CON059	6	NONE	0.0110
CP380801	380802	6	NONE	0.0000
CP380802	380831	6	NONE	0.0000
CP380831	380803	6	220131	0.0000
CP380851	380803	2	NONE	-3. 0.0000
CP380803	384402	6	NONE	0.0000
CP384402	384403	6	NONE	0.0000
CP384403	384404	6	NONE	0.0000
CP384404	384431	6	NONE	0.0000
CP384431	384401	6	220131	0.0000
CP356031	384401	6	220131	0.0000
CP384401	357501	6	NONE	0.0000
CP356101	356131	6	NONE	0.0000
CP356131	357501	6	220131	0.0000
CP356201	356231	6	NONE	0.0000
CP356231	357501	6	220131	0.0000
CP356301	356331	6	NONE	0.0000
CP356331	357501	6	220131	0.0000
CP356501	356531	6	NONE	0.0000
CP356531	357501	6	220131	0.0000
CP356731	357501	6	220131	0.0000
CP518701	518731	6	NONE	0.0000
CP518731	357501	6	225331	0.0000
CP356802	356832	6	NONE	0.0000
CP356832	356801	6	NONE	0.0000
CP356801	356831	6	NONE	0.0000
CP356831	356901	6	225331	0.0000
CP356861	356841	2	NONE	-3. 0.0000
CP356841	OUT	2	NONE	225331 -3. 0.0000
CP356901	356931	6	NONE	0.0000
CP356931	357501	6	220131	0.0000
CP357201	357501	6	NONE	0.0000
CP357231	357501	6	220131	0.0000
CP357301	357331	6	NONE	0.0000
CP357331	357501	6	220131	0.0000
CP525501	525531	6	NONE	0.0000
CP525531	357501	6	220131	0.0000
CP357501	357801	6	NONE	0.0000
CP388031	357401	6	NONE	0.0000
CP357401	357431	6	NONE	0.0000
CP357431	357503	6	220131	0.0000
CP357502	357531	6	NONE	0.0000
CP357531	357503	6	NONE	0.0000
CP357503	357532	6	NONE	0.0000
CP357532	357504	6	220131	0.0000
CP357504	357533	6	NONE	0.0000
CP357533	357801	6	NONE	0.0000
CP357801	357901	6	NONE	0.0000
CP357803	357831	6	NONE	0.0000
CP357831	357901	6	220131	0.0000
CP357851	357901	2	NONE	NONE -3. 0.0000
CP357852	357901	2	NONE	NONE -3. 0.0000
CP357961	357941	2	NONE	NONE -3. 0.0000
CP357941	OUT	2	NONE	220131 -3. 0.0000
CP357901	357802	6	NONE	0.0000
CP357802	359501	6	NONE	0.0000
CP357841	OUT	2	NONE	NONE -3. 0.0000
CP357832	OUT	2	NONE	NONE -3. 0.0000
CP358001	358031	6	NONE	0.0000
CP358031	359501	6	220131	0.0000
CP358002	358032	6	NONE	0.0000
CP358032	359501	6	NONE	0.0000
CP358101	358131	6	NONE	0.0000
CP358131	359501	6	220131	0.0000
CP516111	5161P1	6	NONE	0.0000
CP5161P1	359501	6	NONE	0.0000
CP516141	516141	2	NONE	NONE -3. 0.0000

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CP516141	OUT	2	NONE	NONE	-3.	0.0000
CP358401	358501	6		NONE		0.0000
CP426401	426431	6		NONE		0.0000
CP426431	541601	6		NONE		0.0000
CP541601	541631	6		NONE		0.0000
CP541631	358502	6		220131		0.0000
CP358502	358532	6		NONE		0.0000
CP358532	358501	6		220131		0.0000
CP358501	358531	6		NONE		0.0000
CP358441	OUT	2	NONE	220131	-3.	0.0000
CP358442	OUT	2	NONE	NONE	-3.	0.0000
CP358531	358503	6		220131		0.0000
CP358503	358601	6		220131		0.0000
CP358601	358631	6		NONE		0.0000
CP358631	358701	6		220131		0.0000
CP358701	358731	6		NONE		0.0000
CP358731	358801	6		220131		0.0000
CP358801	358831	6		NONE		0.0000
CP358831	358901	6		220131		0.0000
CP358901	358931	6		NONE		0.0000
CP358931	359001	6		220131		0.0000
CP359001	359031	6		NONE		0.0000
CP359031	359501	6		220131		0.0000
CP359201	359231	6		NONE		0.0000
CP359231	359501	6		220131		0.0000
CP359301	359331	6		NONE		0.0000
CP359331	359501	6		220131		0.0000
CP359401	359501	6		220131		0.0000
CP359501	361901	6		NONE		0.0000
CP359541	OUT	2	NONE	220131	-3.	0.0000
CP359701	359801	6		NONE		0.0000
CP359801	359831	6		NONE		0.0000
CP359831	359901	6		225331		0.0000
CP359901	359931	6		NONE		0.0000
CP359931	360031	6		225331		0.0000
CP360031	360131	6		225331		0.0000
CP360131	360231	6		225331		0.0000
CP360231	390201	6		225331		0.0000
CP390201	390231	6		NONE		0.0000
CP390231	360331	6		225331		0.0000
CP360331	360431	6		225331		0.0000
CP360431	360531	6		225331		0.0000
CP360531	360601	6		225331		0.0000
CP360541	OUT	2	NONE	NONE	-3.	0.0000
CP360601	360701	6		NONE		0.0000
CP360701	360731	6		NONE		0.0000
CP360731	360801	6		225331		0.0000
CP359601	359631	6		NONE		0.0000
CP359631	360801	6		225331		0.0000
CP360801	360831	6		NONE		0.0000
CP360831	361101	6		225331		0.0000
CP360901	360931	6		NONE		0.0000
CP360931	361101	6		225331		0.0000
CP361001	361031	6		NONE		0.0000
CP361031	361101	6		225331		0.0000
CP361101	361102	6		NONE		0.0000
CP361102	361201	6		NONE		0.0000
CP361201	361801	6		NONE		0.0000
CP361202	361231	6		NONE		0.0000
CP361231	361801	6		225331		0.0000
CP361301	361331	6		NONE		0.0000
CP361331	361401	6		225331		0.0000
CP361401	361431	6		NONE		0.0000
CP361431	361501	6		225331		0.0000
CP361501	361531	6		NONE		0.0000
CP361531	361601	6		225331		0.0000
CP361601	361631	6		NONE		0.0000
CP361631	361801	6		225331		0.0000
CP361701	361731	6		NONE		0.0000
CP361731	361801	6		225331		0.0000
CP361802	361831	6		NONE		0.0000
CP361831	361801	6		220131		0.0000
CP361851	361801	2	NONE	NONE	-3.	0.0000
CP361801	361901	6		NONE		0.0000
CP361902	361931	6		NONE		0.0000
CP361931	361901	6		220131		0.0000
CP361951	361901	2	NONE	NONE	-3.	0.0000
CP361941	OUT	2	NONE	220131	-3.	0.0000
CP361901	362021	6		NONE		0.0000
CP362021	362011	6		NONE		0.0000
CP362011	W12221	6		NONE		0.0000
CPW12221	CON061	6		NONE		0.0000
CP362001	362031	6		NONE		0.0000
CP362031	CON061	6		225331		0.0000

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CP362202	362232	6	NONE	0.0000
CP362232	362201	6	NONE	0.0000
CP362201	362231	6	NONE	0.0000
CP362231	CON061	6	225331	0.0000
CP362302	362331	6	NONE	0.0000
CP362301	362401	6	NONE	0.0000
CP362331	362301	6	225331	0.0000
CP362401	CON061	6	NONE	0.0000
CP362402	362302	6	225331	0.0000
CPCON061	CON059	6	NONE	0.0000
CPCON059	WL2211	6	NONE	0.0000
CPW12211	515901	6	NONE	0.0000
CP284101	284131	6	NONE	0.0000
CP284131	284201	6	220131	0.0000
CP284201	284231	6	NONE	0.0000
CP284231	284602	6	NONE	0.0000
CP284602	284632	6	NONE	0.0000
CP284632	284701	6	220131	0.0000
CP284701	284731	6	NONE	0.0000
CP284301	284331	6	NONE	0.0000
CP284331	284401	6	220131	0.0000
CP284401	284431	6	NONE	0.0000
CP284431	284602	6	NONE	0.0000
CP539001	539031	6	NONE	0.0000
CP539031	284602	6	220131	0.0000
CP284501	284531	6	NONE	0.0000
CP284531	284601	6	220131	0.0000
CP284601	284631	6	NONE	0.0000
CP284631	284602	6	NONE	0.0000
CP284731	285004	6	220131	0.0000
CP285004	285003	6	NONE	0.0000
CP285003	285002	6	NONE	0.0000
CP285005	285031	6	NONE	0.0000
CP285031	285002	6	225331	0.0000
CP285002	285001	6	NONE	0.0000
CP284801	284831	6	NONE	0.0000
CP284831	284901	6	225331	0.0000
CP284901	284931	6	NONE	0.0000
CP284931	285004	6	NONE	0.0000
CP285001	285201	6	NONE	0.0000
CP285201	285202	6	NONE	0.0000
CP285202	285203	6	NONE	0.0000
CP285203	285301	6	NONE	0.0000
CP285301	285302	6	NONE	0.0000
CP285101	285131	6	NONE	0.0000
CP285131	285102	6	NONE	0.0000
CP285102	285132	6	NONE	0.0000
CP285132	285201	6	225331	0.0000
CP285302	CON084	6	NONE	0.0000
CP515901	515931	6	NONE	0.0000
CP515931	362603	6		0.0090
CP362603	362602	6	NONE	0.0000
CP362602	362701	6	NONE	0.0090
CP362701	362601	6	NONE	0.0000
CP362601	LEHS45	6	NONE	0.0090
CPLEHS45	CON080	1	NONE	-3. 0.0000
CP515951	362603	2	NONE	-3. 0.0000
CP362901	362931	6	NONE	0.0000
CP362931	CON080	6	220131	0.0000
CPCON080	363001	6	NONE	0.0000
CP363001	363101	6	NONE	0.0210
CP363101	363201	6	NONE	0.0100
CP363201	363301	6	NONE	0.0100
CP363301	363401	6	NONE	0.0410
CP363401	363501	6	NONE	0.0000
CP363501	CON081	6	NONE	0.0100
CP364201	CON081	6	NONE	0.0000
CPCON081	364601	6	NONE	0.0000
CP364601	363601	6	NONE	0.0000
CP363601	CON082	6	NONE	0.0000
CP363747	OUT	2	NONE	NONE -3. 0.0000
CP363746	OUT	2	NONE	NONE -3. 0.0000
CP363742	OUT	2	NONE	NONE -3. 0.0000
CP363741	OUT	2	NONE	225331 -3. 0.0000
CP363740	OUT	2	NONE	NONE -3. 0.0000
CP363749	OUT	2	NONE	NONE -3. 0.0000
CP363748	OUT	2	NONE	NONE -3. 0.0000
CP363745	OUT	2	NONE	NONE -3. 0.0000
CP363744	OUT	2	NONE	NONE -3. 0.0000
CP363743	OUT	2	NONE	NONE -3. 0.0000
CP363701	363731	6	NONE	0.0000
CP363731	363702	6	NONE	0.0000
CP363702	363732	6	NONE	0.0000
CP363732	363703	6	NONE	0.0000

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CP363703	363733	6	NONE		0.0000
CP363733	363801	6	225331		0.0000
CP363801	363831	6	NONE		0.0000
CP363831	363901	6	225331		0.0000
CP363901	364003	6	NONE		0.0000
CP364003	364033	6	NONE		0.0000
CP364033	364002	6	NONE		0.0000
CP364002	364032	6	NONE		0.0000
CP364032	364001	6	NONE		0.0000
CP364001	364031	6	NONE		0.0000
CP363941	OUT	2	NONE	225331	-3. 0.0000
CP364031	364201	6	225331		0.0000
CP364131	364201	6	225331		0.0000
CP364301	364331	6	NONE		0.0000
CP364331	364302	6	NONE		0.0000
CP364302	364332	6	NONE		0.0000
CP364332	364303	6	NONE		0.0000
CP364303	364333	6	NONE		0.0000
CP364333	364304	6	NONE		0.0000
CP364304	364334	6	NONE		0.0000
CP364334	364401	6	225331		0.0000
CP364401	364431	6	NONE		0.0000
CP364431	CON081	6	225331		0.0000
CP364532	364501	6	225331		0.0000
CP364501	364531	6	NONE		0.0000
CP364531	CON081	6	225331		0.0000
CP364702	364732	6	NONE		0.0000
CP364732	364801	6	225331		0.0000
CP364701	364731	6	NONE		0.0000
CP364731	364801	6	225331		0.0000
CP364801	CON082	6	NONE		0.0000
CP364841	OUT	2	NONE	225331	-3. 0.0000
CP364842	OUT	2	NONE	NONE	-3. 0.0000
CP365041	OUT	2	NONE	225331	-3. 0.0000
CPCON082	364802	6	NONE		0.0100
CP364802	364901	6	NONE		0.0000
CP364901	365001	6	NONE		0.0000
CP365001	365102	6	NONE		0.0100
CP365102	365201	6	NONE		0.0100
CP365201	365101	6	NONE		0.0000
CP365101	365301	6	NONE		0.0000
CP365301	365401	6	NONE		0.0100
CP365401	365402	6	NONE		0.0000
CP365402	365502	6	NONE		0.0100
CP365502	365501	6	NONE		0.0000
CP365501	365601	6	NONE		0.0210
CP365601	365701	6	NONE		0.0100
CP365701	365801	6	NONE		0.0000
CP365801	CON083	6	NONE		0.0100
CP347601	CON083	6	NONE		0.0000
CP365901	365931	6	NONE		0.0000
CP365931	366201	6	225331		0.0000
CP366201	366231	6	NONE		0.0000
CP366231	347601	6	225331		0.0000
CP366001	366002	6	NONE		0.0000
CP366002	366003	6	NONE		0.0000
CP366003	366031	6	NONE		0.0000
CP366031	366101	6	225331		0.0000
CP366101	366201	6	NONE		0.0000
CP366301	366331	6	NONE		0.0000
CP366331	347601	6	225331		0.0000
CPCON083	281421	6	NONE		0.0000
CP281421	281501	6	NONE		0.0100
CP365302	281501	6	NONE		0.0100
CP281501	281601	6	NONE		0.0000
CP281601	281502	6	NONE		0.0000
CP281502	281602	6	NONE		0.0000
CP281602	281503	6	NONE		0.0000
CP281503	281603	6	NONE		0.0000
CP281603	281701	6	NONE		0.0210
CP281701	281411	6	NONE		0.0100
CP281401	281701	6	NONE		0.0000
CP281441	OUT	2	NONE	225331	-3. 0.0000
CP281411	281801	6	NONE		0.0000
CP365303	281801	6	NONE		0.0000
CP281801	281901	6	NONE		0.0000
CP281901	282002	6	NONE		0.0100
CP282002	282001	6	NONE		0.0000
CP282001	282101	6	NONE		0.0100
CP282101	282201	6	NONE		0.0000
CP282201	282102	6	NONE		0.0000
CP282102	282202	6	NONE		0.0000
CP282202	282103	6	NONE		0.0000
CP282103	282203	6	NONE		0.0000

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CP282203	282104	6	NONE	0.0000
CP282104	282204	6	NONE	0.0000
CP282204	282105	6	NONE	0.0000
CP282105	282205	6	NONE	0.0000
CP282205	282301	6	NONE	0.0100
CP282301	282401	6	NONE	0.0000
CP282401	282501	6	NONE	0.0100
CP282501	282502	6	NONE	0.0000
CP282502	282503	6	NONE	0.0100
CP282503	282504	6	NONE	0.0000
CP282504	282601	6	NONE	0.0100
CP282601	282701	6	NONE	0.0000
CP282701	282801	6	NONE	0.0000
CP282801	282901	6	NONE	0.0100
CP282901	283001	6	NONE	0.0000
CP283001	282902	6	NONE	0.0000
CP282902	283101	6	NONE	0.0000
CP283101	283201	6	NONE	0.0100
CP283201	283102	6	NONE	0.0000
CP283102	283301	6	NONE	0.0000
CP283301	283202	6	NONE	0.0000
CP283202	283203	6	NONE	0.0000
CP283203	283401	6	NONE	0.0100
CP283401	283504	6	NONE	0.0000
CP283504	283601	6	NONE	0.0000
CP283601	283602	6	NONE	0.0000
CP283602	283503	6	NONE	0.0000
CP283503	283701	6	NONE	0.0100
CP283701	283801	6	NONE	0.0000
CP283801	283502	6	NONE	0.0000
CP283502	283702	6	NONE	0.0000
CP283702	284001	6	NONE	0.0000
CP284001	284031	6	NONE	0.0000
CP284031	283002	6	225331	0.0000
CP283002	283901	6	NONE	0.0000
CP283901	283501	6	NONE	0.0000
CP283501	283703	6	NONE	0.0000
CP283703	CON084	6	NONE	0.0100
CPCON084	285401	6	NONE	0.0000
CP285401	285501	6	NONE	0.0000
CP285501	285502	6	NONE	0.0100
CP285502	285601	6	NONE	0.0000
CP285601	285602	6	NONE	0.0100
CP285602	285701	6	NONE	0.0000
CP285701	285702	6	NONE	0.0000
CP285702	285703	6	NONE	0.0000
CP285703	285801	6	NONE	0.0100
CP285801	285802	6	NONE	0.0000
CP285802	285901	6	NONE	0.0000
CP285901	285902	6	NONE	0.0100
CP285902	285903	6	NONE	0.0000
CP285903	286001	6	NONE	0.0100
CP286001	CON085	6	NONE	0.0000
CPCON085	286002	6	NONE	0.0210
CP286101	286131	6	NONE	0.0000
CP286131	CON085	6	225331	0.0000
CP286002	286003	6	NONE	0.0000
CP286003	286201	6	NONE	0.0410
CP286201	LEHM46	6	NONE	0.0000
CPLEHM46	286202	1	NONE	-3. 0.0000
CP286202	286203	6	NONE	0.0000
CP286251	286203	2	NONE	-3. 0.0000
CP286203	286321	6	NONE	0.0000
CP286321	286311	6	NONE	0.0000
CP286311	286401	6	NONE	0.0000
CP286401	286501	6	NONE	0.0000
CP286501	286502	6	NONE	0.0000
CP286502	286503	6	NONE	0.0000
CP286503	286504	6	NONE	0.0000
CP286504	286402	6	NONE	0.0000
CP286402	286505	6	NONE	0.0000
CP286505	286601	6	NONE	0.0000
CP286601	286701	6	NONE	0.0010
CP286701	286801	6	NONE	0.0000
CP286801	286802	6	NONE	0.0000
CP286802	286803	6	NONE	0.0000
CP286803	382631	6	NONE	0.0010
CP382631	286901	6	NONE	0.0000
CP286901	CON086	6	NONE	0.0000
CPCON086	287321	6	NONE	0.0000
CP287321	287311	6	NONE	0.0000
CP287311	287402	6	NONE	0.0000
CP287001	287031	6	NONE	0.0000
CP287031	287101	6	225331	0.0000

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CP287101	287131	6	NONE	0.0000
CP287131	287201	6	NONE	0.0000
CP287201	287231	6	NONE	0.0000
CP287231	287102	6	NONE	0.0000
CP287102	287132	6	NONE	0.0000
CP287132	287202	6	NONE	0.0000
CP287202	287232	6	NONE	0.0000
CP287232	287103	6	NONE	0.0000
CP287103	287133	6	NONE	0.0000
CP287133	287203	6	225331	0.0000
CP287203	287233	6	NONE	0.0000
CP287233	CON086	6	NONE	0.0000
CP287402	287421	6	NONE	0.0000
CP287421	287401	6	NONE	0.0000
CP287401	287411	6	NONE	0.0000
CP287411	287431	6	NONE	0.0000
CP287431	287502	6	NONE	0.0000
CP287502	287531	6	NONE	0.0000
CP287531	287601	6	228731	0.0000
CP287601	287602	6	NONE	0.0000
CP287602	287603	6	NONE	0.0000
CP287603	287604	6	NONE	0.0000
CP287604	287702	6	NONE	0.0000
CP287702	287721	6	NONE	0.0000
CP287721	287803	6	NONE	0.0000
CP287803	287802	6	NONE	0.0000
CP287802	287901	6	NONE	0.0000
CP287901	287902	6	NONE	0.0000
CP287902	287903	6	NONE	0.0000
CP287903	CON087	6	NONE	0.0000
CP287501	287401	6	NONE	0.0000
CP287801	287904	6	NONE	0.0000
CP287904	287931	6	NONE	0.0000
CP287931	CON087	6	228731	0.0000
CPCON087	287701	6	NONE	0.0000
CP287701	287711	6	NONE	0.0000
CP287711	288002	6	NONE	0.0010
CP288002	288102	6	NONE	0.0000
CP288102	288001	6	NONE	0.0000
CP288001	288101	6	NONE	0.0000
CP288101	288206	6	NONE	0.0000
CP288206	288301	6	NONE	0.0000
CP288301	288205	6	NONE	0.0000
CP288205	288204	6	NONE	0.0000
CP288204	288203	6	NONE	0.0000
CP288203	288202	6	NONE	0.0000
CP288202	288201	6	NONE	0.0000
CP288201	288421	6	NONE	0.0000
CP288421	288411	6	NONE	0.0000
CP288411	288501	6	NONE	0.0000
CP288501	288502	6	NONE	0.0000
CP288502	288705	6	NONE	0.0020
CP288705	288704	6	NONE	0.0000
CP288704	288703	6	NONE	0.0000
CP288703	288702	6	NONE	0.0000
CP288702	288601	6	NONE	0.0000
CP288601	288701	6	NONE	0.0000
CP288701	288801	6	NONE	0.0000
CP288801	289003	6	NONE	0.0010
CP289003	289002	6	NONE	0.0000
CP289002	289001	6	NONE	0.0000
CP289001	289103	6	NONE	0.0010
CP289103	289102	6	NONE	0.0000
CP289102	289101	6	NONE	0.0000
CP289101	289202	6	NONE	0.0000
CP289202	289201	6	NONE	0.0000
CP289201	289301	6	NONE	0.0000
CP289301	289402	6	NONE	0.0000
CP289402	289401	6	NONE	0.0000
CP289401	CON088	6	NONE	0.0010
CP289503	289608	6	NONE	0.0000
CP289608	289607	6	NONE	0.0000
CP289607	289606	6	NONE	0.0000
CP289606	289605	6	NONE	0.0000
CP289605	289604	6	NONE	0.0000
CP289604	289603	6	NONE	0.0000
CP289603	289602	6	NONE	0.0000
CP289602	289601	6	NONE	0.0000
CP289502	289501	6	NONE	0.0000
CP289501	289609	6	NONE	0.0000
CP289609	289607	6	NONE	0.0000
CP289607	289701	6	NONE	0.0000
CP289701	CON088	6	NONE	0.0000
CPCON088	289802	6	NONE	0.0020

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CP289802	289801	6		NONE		0.0000
CP289801	289906	6		NONE		0.0020
CP289906	289905	6		NONE		0.0000
CP289905	289904	6		NONE		0.0000
CP289904	289903	6		NONE		0.0000
CP289903	289902	6		NONE		0.0000
CP289902	289901	6		NONE		0.0000
CP289901	290002	6		NONE		0.0000
CP290002	290001	6		NONE		0.0000
CP290001	290102	6		NONE		0.0000
CP290102	290101	6		NONE		0.0000
CP290101	LEGT47	6		NONE		0.0000
CP101762	LEGT47	2	NONE	NONE	-3.	0.0000
** Leon River at Gatesville						
**CPLEGT47	290201	1		NONE	-3.	0.0060
CPLEGT47	GTSUBS	1		NONE	-3.	
CPGTSUBS	GT-DRY	2	LEGT47	NONE	-3.	
CPGT-DRY	GT-AVG	2	LEGT47	NONE	-3.	
CPGT-AVG	GT-WET	2	LEGT47	NONE	-3.	
CPGT-WET	GTDPUL	2	LEGT47	NONE	-3.	
CPGTDPUL	GTASPL	2	LEGT47	NONE	-3.	
CPGTASPL	GTWSPL	2	LEGT47	NONE	-3.	
CPGTWSPL	290201	2	LEGT47	NONE	-3.	0.0060
**						
CP101761	290201	2	NONE	NONE	-3.	0.0000
CP290201	290302	6		NONE		0.0010
CP290302	290321	6		NONE		0.0000
CP290321	290301	6		NONE		0.0010
CP290301	290311	6		NONE		0.0000
CP290311	290402	6		NONE		0.0000
CP290402	290401	6		NONE		0.0000
CPCON089	290601	6		NONE		0.0010
CP290601	290801	6		NONE		0.0010
CP290801	281302	6		NONE		0.0000
CP281302	281301	6		NONE		0.0000
CP281301	290901	6		NONE		0.0010
CP290901	290902	6		NONE		0.0000
CP290902	291001	6		NONE		0.0000
CP291001	291101	6		NONE		0.0000
CP291101	WL2212	6		NONE		0.0020
CP290501	CON089	6		NONE		0.0000
CP290701	290901	6		NONE		0.0000
CPW12202	CON090	6		NONE		0.0000
CPW12212	291401	6		NONE		0.0000
CP291401	CON090	6		NONE		0.0050
CP291521	291511	6		NONE		0.0000
CP291511	CON090	6		NONE		0.0000
CPCON090	WL2201	6		NONE		0.0050
CP103511	WL2201	2	NONE	NONE	-3.	0.0000
CPW12201	WL2192	6		NONE		0.0000
CP291621	291611	6		NONE		0.0000
CP291611	291821	6		NONE		0.0000
CP291821	291832	6		NONE		0.0000
CP291832	291811	6		NONE		0.0000
CP291811	291831	6		NONE		0.0000
CP291831	292101	6		225331		0.0000
CP291701	291731	6		NONE		0.0000
CP291731	291821	6		225331		0.0000
CP291903	291932	6		NONE		0.0000
CP291932	291902	6		NONE		0.0000
CP291902	291931	6		NONE		0.0000
CP291931	291901	6		225331		0.0000
CP291901	292002	6		NONE		0.0000
CP292002	292031	6		NONE		0.0000
CP292031	292001	6		225331		0.0000
CP292001	292101	6		NONE		0.0000
CP292101	292102	6		NONE		0.0000
CP292102	292103	6		NONE		0.0000
CP292103	292201	6		NONE		0.0000
CP292201	292202	6		NONE		0.0000
CP292202	292301	6		NONE		0.0000
CP292301	292401	6		NONE		0.0000
CP292402	292431	6		NONE		0.0000
CP292431	292401	6		225331		0.0000
CP292401	292621	6		NONE		0.0000
CP292621	292611	6		NONE		0.0000
CP292611	292721	6		NONE		0.0000
CP292721	292711	6		NONE		0.0000
CP292711	292801	6		NONE		0.0000
CP292801	292901	6		NONE		0.0000
CP292901	292902	6		NONE		0.0000
CP292902	292903	6		NONE		0.0000
CP292903	293001	6		NONE		0.0000
CP293001	293002	6		NONE		0.0000

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CP293002	293101	6	NONE	0.0000
CP293101	293102	6	NONE	0.0000
CP293102	293103	6	NONE	0.0000
CP293103	293201	6	NONE	0.0000
CP293201	293321	6	NONE	0.0000
CP293321	293311	6	NONE	0.0000
CP293301	293311	6	NONE	0.0000
CP293311	COPI48	6	NONE	0.0000
CP293402	293401	6	NONE	0.0000
CP293401	COPI48	6	NONE	0.0000
CPCOPI48	CON092	1	NONE	-3. 0.0010
CP293503	293531	6	NONE	0.0000
CP293531	293502	6	228731	0.0000
CP293502	293501	6	NONE	0.0000
CP293501	CON092	6	NONE	0.0000
CPCON092	W12201	6	NONE	0.0050
CP100455	W12192	2	NONE	-3. 0.0000
CP022336	W12192	2	NONE	-3. 0.0000
CP022335	W12192	2	NONE	-3. 0.0000
CP022334	W12201	2	NONE	-3. 0.0000
CPW12192	293601	6	NONE	0.0000
CP293601	293602	6	NONE	0.0000
CP293602	293631	6	NONE	0.0000
CP293631	516001	6		0.0000
CP516001	516002	6	NONE	0.0000
CP516002	516031	6	NONE	0.0000
CP516031	293701	6	293631	0.0000
CP293701	P40241	6	NONE	0.0010
CPP40241	P40242	6	NONE	0.0000
CPP40242	402403	6	228731	0.0000
CP402403	LEBE49	6	NONE	0.0000
CPLEBE49	293901	1	NONE	-3. 0.0000
CP293801	293831	6	NONE	0.0000
CP293901	293801	6	NONE	0.0000
CP293831	294001	6	228731	0.0010
CP294001	294101	6	NONE	0.0000
CP294101	CON091	6	NONE	0.0000
CP293951	293801	2	NONE	-3. 0.0000
CP533001	533002	6	NONE	0.0000
CP533002	533031	6	NONE	0.0000
CP533031	533003	6	NONE	0.0000
CP533051	533003	2	NONE	-3. 0.0000
CP533003	533032	6	NONE	0.0000
CP533032	CON091	6	228731	0.0000
CPCON091	294205	6	NONE	0.0010
CP294205	CON098	6	NONE	0.0000
CPW12181	294302	6	NONE	0.0000
CP022331	294302	2	NONE	-3. 0.0000
CP103512	294302	2	NONE	-3. 0.0000
CP103513	294302	2	NONE	-3. 0.0000
CP294332	294301	6	228731	0.0000
CP294333	294301	6	228731	0.0000
CP294351	294301	2	NONE	-3. 0.0000
CP294301	294331	6	NONE	0.0000
CP294331	294302	6	228731	0.0000
CP294302	508801	6	NONE	0.0000
CP508801	508921	6	NONE	0.0000
CP508921	508911	6	NONE	0.0000
CP508911	421821	6	NONE	0.0000
CP421821	421811	6	NONE	0.0000
CP421811	421822	6	NONE	0.0000
CP421822	421812	6	NONE	0.0000
CP421812	294501	6	NONE	0.0000
CP101551	508801	2	NONE	-3. 0.0000
CP294401	294431	6	NONE	0.0000
CP294431	294501	6	228731	0.0000
CP294501	294621	6	NONE	0.0000
CP294621	294611	6	NONE	0.0000
CP294611	294721	6	NONE	0.0000
CP294721	294801	6	NONE	0.0000
CP294801	294901	6	NONE	0.0000
CP294901	294711	6	NONE	0.0000
CP294711	295002	6	NONE	0.0000
CP295002	295001	6	NONE	0.0000
CP295001	CON098	6	NONE	0.0000
CP113181	CON098	2	NONE	-3. 0.0000
CPCON098	W12182	6	NONE	0.0000
CPW12182	294204	6	NONE	0.0000
CP294204	294203	6	NONE	0.0000
CP294203	294202	6	NONE	0.0000
CP294202	295101	6	NONE	0.0000
CP295101	294201	6	NONE	0.0000
CP294201	295221	6	NONE	0.0000
CP295221	295211	6	NONE	0.0000

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CP295211	547221	6	NONE	0.0010
CP547221	295302	6	NONE	0.0000
CP295302	547211	6	NONE	0.0000
CP547211	295301	6	NONE	0.0000
CP295301	401203	6	NONE	0.0000
CP401203	P40122	6	NONE	0.0000
CPP40122	P40121	6	NONE	0.0000
CPP40121	WL2191	6	NONE	0.0010
CP295261	295241	2	NONE NONE	-3. 0.0000
CP295241	OUT	2	NONE 228731	-3. 0.0000
CP295431	295401	6	225331	0.0000
CP295451	295401	2	NONE NONE	-3. 0.0000
CP295432	295401	6	NONE	0.0000
CP295452	295401	2	NONE NONE	-3. 0.0000
CP295401	295433	6	NONE	0.0000
CP295433	CON187	6	NONE	0.0000
CPW12172	CON187	6	NONE	0.0000
CP295502	295531	6	NONE	0.0000
CP295531	295501	6	225331	0.0000
CP295501	295701	6	NONE	0.0000
CP295701	CON187	6	NONE	0.0000
CPCON187	295821	6	NONE	0.0000
CP295821	295811	6	NONE	0.0000
CP295811	CON186	6	NONE	0.0000
CP295902	295901	6	NONE	0.0000
CP295901	296001	6	NONE	0.0000
CP296001	CON186	6	NONE	0.0000
CP297152	296221	2	NONE NONE	-3. 0.0000
CP297151	296221	2	NONE NONE	-3. 0.0000
CP296221	296211	6	NONE	0.0000
CP296211	296103	6	NONE	0.0000
CPCON186	296105	6	NONE	0.0000
CP296105	296104	6	NONE	0.0000
CP296104	296103	6	NONE	0.0000
CP296103	CON185	6	NONE	0.0000
CPCON185	296102	6	NONE	0.0000
CP296102	296101	6	NONE	0.0000
CP296101	CON184	6	NONE	0.0000
CP296305	296333	6	NONE	0.0000
CP296333	296332	6	NONE	0.0000
CP296332	296304	6	NONE	0.0000
CP296304	296303	6	NONE	0.0000
CP296303	296331	6	NONE	0.0000
CP296331	CON184	6	225331	0.0000
CPCON184	296302	6	NONE	0.0000
CP296302	296301	6	NONE	0.0000
CP296301	296401	6	225331	0.0000
CP296401	296503	6	NONE	0.0000
CP296503	296502	6	NONE	0.0000
CP296502	296501	6	NONE	0.0000
CP296501	CON183	6	NONE	0.0000
CP296601	296631	6	NONE	0.0000
CP296631	CON183	6	225331	0.0000
CPCON183	296701	6	NONE	0.0000
CP296701	296703	6	NONE	0.0000
CP296703	296702	6	NONE	0.0000
CP296702	296731	6	NONE	0.0000
CP296731	CON188	6	225331	0.0000
CP296831	296901	6	225331	0.0000
CP296901	296902	6	NONE	0.0000
CP296902	297001	6	NONE	0.0000
CP297001	297002	6	NONE	0.0000
CP297002	297101	6	NONE	0.0000
CP297101	297102	6	NONE	0.0000
CP297102	297201	6	NONE	0.0000
CP297201	297231	6	NONE	0.0000
CP297231	297232	6	225331	0.0000
CP297232	297401	6	NONE	0.0000
CP297301	297331	6	NONE	0.0000
CP297331	297401	6	225331	0.0000
CP297401	297501	6	NONE	0.0000
CP102051	297501	2	NONE NONE	-3. 0.0000
CP297501	297502	6	NONE	0.0000
CP297502	297601	6	NONE	0.0000
CP297601	297721	6	NONE	0.0000
CP297721	297711	6	NONE	0.0000
CP297711	297802	6	NONE	0.0000
CP297802	297801	6	NONE	0.0000
CP297801	297831	6	NONE	0.0000
CP297831	297921	6	225331	0.0000
CP297921	297911	6	NONE	0.0000
CP297911	298001	6	NONE	0.0000
CP298001	298002	6	NONE	0.0000
CP297941	OUT	2	NONE 225331	-3. 0.0000

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CP298002	298101	6	NONE	0.0000
CP298101	298102	6	NONE	0.0000
CP298102	298201	6	NONE	0.0000
CP298201	298301	6	NONE	0.0000
CP298301	298401	6	NONE	0.0000
CP298401	298501	6	NONE	0.0000
CP298501	298601	6	NONE	0.0000
CP298601	298602	6	NONE	0.0000
CP298602	298701	6	NONE	0.0000
CP298701	CON188	6	NONE	0.0000
CPCON188	298801	6	NONE	0.0000
CP298801	LAKE50	6	NONE	0.0000
** LAMPASAS RIVER NEAR KEMPNER				
**CPLAKE50	298802	1	NONE	-3. 0.0000
CPLAKE50	LASUBS	1	NONE	-3.
CPLASUBS	LA-DRY	2 LAKE50	NONE	-3.
CPLA-DRY	LA-AVG	2 LAKE50	NONE	-3.
CPLA-AVG	LA-WET	2 LAKE50	NONE	-3.
CPLA-WET	LADPUL	2 LAKE50	NONE	-3.
CPLADPUL	LAASPL	2 LAKE50	NONE	-3.
CPLAASPL	LAWSPPL	2 LAKE50	NONE	-3.
CPLAWSPL	298802	2 LAKE50	NONE	-3. 0.0000
**				
CP298802	559321	6	NONE	0.0010
CP559321	559311	6	NONE	0.0000
CP559311	299021	6	NONE	0.0010
CP299021	298901	6	NONE	0.0000
CP298901	299011	6	NONE	0.0000
**** John & Ida Taylor Amendment 12-2996a, 10/16/2003, jd				
** Additional diversion point for 2996 is between 299011 and CON094				
**CP299011	CON094	6	NONE	0.0010
CP299121	299111	6	299231	0.0000
CP299111	299201	6	NONE	0.0000
CP299201	299231	6	NONE	0.0000
CP299231	299421	6		0.0000
CP299421	299411	6	NONE	0.0000
CP299411	299321	6	NONE	0.0000
CP299321	299301	6	NONE	0.0000
CP299301	299331	6	NONE	0.0000
CP299331	299302	6	NONE	0.0000
CP299302	299311	6	NONE	0.0000
CP299311	299332	6	NONE	0.0000
CP299332	CON094	6	299231	0.0000
CPCON094	299503	6	NONE	0.0000
CP299503	299502	6	NONE	0.0000
CP299502	299501	6	NONE	0.0000
CP299501	299601	6	NONE	0.0010
CP299601	559421	6	NONE	0.0000
CP559421	559411	6	NONE	0.0000
CP559411	299721	6	NONE	0.0010
CP100451	299601	2	NONE	-3. 0.0000
CP299721	299711	6	NONE	0.0010
CP299711	299801	6	NONE	0.0000
CP299801	299901	6	NONE	0.0000
CP299901	299802	6	NONE	0.0000
CP299802	W12171	6	NONE	0.0010
CPW12171	300002	6	NONE	0.0000
CP300002	300001	6	NONE	0.0000
CP300001	300101	6	NONE	0.0000
CP300101	300201	6	NONE	0.0000
CP300201	LAYO51	6	NONE	0.0000
CPLAYO51	300301	1	NONE	-3. 0.0000
CP300301	W12161	6	NONE	0.0020
CPW12161	W12151	6	NONE	0.0050
CPW12151	W12151	6	NONE	0.0000
CP516101	516102	6	NONE	0.0000
CP516102	516131	6	NONE	0.0000
CP516131	300401	6		0.0010
CPW12151	516101	6	NONE	0.0000
CPP41301	4130P1	6	NONE	0.0000
CP4130P1	300401	6	NONE	0.0000
CP300401	300501	6	NONE	0.0000
CP300501	300621	6	NONE	0.0000
CP300621	300611	6	NONE	0.0000
CP300611	LABE52	6	NONE	0.0000
CPLABE52	300701	1	NONE	-3. 0.0000
CP300701	300702	6	NONE	0.0000
CP300702	300703	6	NONE	0.0000
CP300703	300801	6	NONE	0.0000
CP300801	300704	6	NONE	0.0000
CP300704	300903	6	NONE	0.0000
CP300903	300705	6	NONE	0.0000
CP300705	300902	6	NONE	0.0000
CP300902	300901	6	NONE	0.0000

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CP300901	507601	6		NONE	0.0000
CP507601	301001	6		NONE	0.0000
CP301001	P40001	6		NONE	0.0000
CPP40001	P40031	6		NONE	0.0000
CPP40031	P40021	6		NONE	0.0000
CPP40021	301101	6		NONE	0.0010
CP301101	CON095	6		NONE	0.0010
CPCON095	WL2152	6		NONE	0.0000
CPW12432	CON095	6		NONE	0.0000
CPCON096	WL2131	6		NONE	0.0000
CPW12431	301201	6		NONE	0.0000
CP301241	301261	2	NONE	299231	-3. 0.0000
CP301261	OUT	2	NONE	NONE	-3. 0.0000
CP301201	301231	6		NONE	0.0000
CP301231	301301	6		299231	0.0000
CP301301	301331	6		NONE	0.0000
CP301331	301431	6		299231	0.0000
CP301431	301401	6		299231	0.0000
CP301401	301502	6		NONE	0.0000
CP301502	301501	6		NONE	0.0000
CP301501	P37631	6		NONE	0.0000
CPP37631	376331	6		NONE	0.0000
CP376331	376302	6		299231	0.0000
CP376302	WL2432	6		NONE	0.0000
CPW12131	LRLR53	6		NONE	0.0020
CPW12191	CON096	6		NONE	0.0000
CPW12152	CON096	6		NONE	0.0000
** Little River at Little River					
**CPLRRLR53	409521	1		NONE	-3. 0.0000
CPLRRLR53	LRSUBS	1		NONE	-3.
CPLRSUBS	LR-DRY	2	LRLR53	NONE	-3.
CPLR-DRY	LR-AVG	2	LRLR53	NONE	-3.
CPLR-AVG	LR-WET	2	LRLR53	NONE	-3.
CPLR-WET	LRDPUL	2	LRLR53	NONE	-3.
CPLRDPUL	LRASPL	2	LRLR53	NONE	-3.
CPLRASPL	LRWSPL	2	LRLR53	NONE	-3.
CPLRWSPL	409521	2	LRLR53	NONE	-3.
**					
CP409521	409511	6		NONE	0.0000
CP409511	376201	6		NONE	0.0000
CP376201	CON110	6		NONE	0.0030
CP372602	372632	6		NONE	0.0000
CP372632	372601	6		NONE	0.0000
CP372601	372631	6		299231	0.0000
CP372631	CON099	6		299231	0.0000
CP372501	CON110	6		228731	0.0000
CPCON110	CON099	6		NONE	0.0010
CPCON099	410921	6		NONE	0.0010
CP410921	410911	6		NONE	0.0000
CP410911	P40151	6		NONE	0.0000
CPP40151	401502	6		NONE	0.0000
CP401502	401504	6		NONE	0.0000
CP401504	401503	6		NONE	0.0000
CP401503	401505	6		NONE	0.0010
CP401505	CON100	6		NONE	0.0030
CPCON100	CON101	6		NONE	0.0000
CP372701	372731	6		NONE	0.0000
CP372731	CON100	6		299231	0.0000
CP372741	OUT	2	NONE	299231	-3. 0.0000
CP372744	OUT	2	NONE	NONE	-3. 0.0000
CP372743	OUT	2	NONE	NONE	-3. 0.0000
CP372742	OUT	2	NONE	NONE	-3. 0.0000
CP372831	CON100	6		299231	0.0000
CP372751	CON100	2	NONE	NONE	-3. 0.0000
CP372901	372931	6		NONE	0.0000
CP372931	CON100	6		299231	0.0000
CP37294E	OUT	2	NONE	NONE	-3. 0.0000
CP372941	OUT	2	NONE	NONE	-3. 0.0000
CP372942	OUT	2	NONE	NONE	-3. 0.0000
CP37294B	OUT	2	NONE	NONE	-3. 0.0000
CP37294C	OUT	2	NONE	NONE	-3. 0.0000
CP37294D	OUT	2	NONE	NONE	-3. 0.0000
CP37294A	OUT	2	NONE	NONE	-3. 0.0000
CP372940	OUT	2	NONE	NONE	-3. 0.0000
CP372949	OUT	2	NONE	NONE	-3. 0.0000
CP372948	OUT	2	NONE	NONE	-3. 0.0000
CP372947	OUT	2	NONE	NONE	-3. 0.0000
CP372946	OUT	2	NONE	NONE	-3. 0.0000
CP372943	OUT	2	NONE	NONE	-3. 0.0000
CP372945	OUT	2	NONE	NONE	-3. 0.0000
CP372944	OUT	2	NONE	NONE	-3. 0.0000
CPCON101	427901	6		NONE	0.0000
CP427901	427902	6		NONE	0.0000
CP427903	427931	6		NONE	0.0000

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CP427931	427901	6		299231		0.0000
CP427951	427902	2	NONE	NONE	-3.	0.0000
CP427902	CON107	6		NONE		0.0050
CPW12511	373101	6		NONE		0.0000
CP373002	373032	6		NONE		0.0000
CP373032	373001	6		NONE		0.0000
CP373001	373031	6		NONE		0.0000
CP373031	373101	6		299231		0.0000
CP373101	W12491	6		NONE		0.0000
CP373231	W12491	6		299231		0.0000
CPW12501	373504	6		NONE		0.0000
CP373504	373503	6		NONE		0.0000
CP373503	373502	6		NONE		0.0000
CP373502	373501	6		NONE		0.0000
CP373501	373601	6		NONE		0.0000
CP373601	373701	6		NONE		0.0000
CP373701	SGGE55	6		NONE		0.0000
CP3SGGE55	W12502	1		NONE	-3.	0.0000
CPW12502	CON105	6		NONE		0.0000
CPW12491	W12481	6		NONE		0.0000
CPW12481	516201	6		NONE		0.0000
CP516201	516202	6		NONE		0.0000
CPW12492	NGGE54	6		NONE		0.0000
CP516231	W12492	6				0.0000
CP516251	NGGE54	2	NONE	NONE	-3.	0.0000
CPNGGE54	373331	1		NONE	-3.	0.0000
CP516202	516231	6		NONE		0.0000
CP373331	373332	6		299231		0.0000
CP373332	CON103	6		299231		0.0000
CP391301	391331	6		NONE		0.0000
CP391331	373403	6		299231		0.0000
CP373403	373433	6		NONE		0.0000
CP373433	373402	6		NONE		0.0000
CP373402	373432	6		NONE		0.0000
CP373432	373401	6		NONE		0.0000
CP373401	373431	6		NONE		0.0000
CP373431	CON103	6		299231		0.0000
CPCON103	CON105	6		NONE		0.0010
CPCON105	373831	6		NONE		0.0000
CP373831	GAGE56	6		299231		0.0000
CP104893	GAGE56	2	NONE	NONE	-3.	0.0000
CPGAGE56	373901	1		NONE	-3.	0.0000
CP373901	374001	6		NONE		0.0010
CP373951	374001	2	NONE	NONE	-3.	0.0000
CP374001	374101	6		NONE		0.0000
CP374101	374221	6		NONE		0.0000
CP374221	374211	6		NONE		0.0000
CP374211	CON106	6		NONE		0.0000
CPCON106	374402	6		NONE		0.0000
CP553332	553301	6		NONE		0.0000
CP553341	OUT	2	NONE	299231	-3.	0.0000
CP553351	553301	2	NONE	NONE	-3.	0.0000
CP553301	553331	6		NONE		0.0000
CP553331	374304	6		299231		0.0000
CP374304	374303	6		NONE		0.0000
CP374303	374302	6		NONE		0.0000
CP374302	374301	6		NONE		0.0000
CP374301	374202	6		NONE		0.0000
CP374202	374201	6		NONE		0.0000
CP104891	374202	2	NONE	NONE	-3.	0.0000
CP374201	CON106	6		NONE		0.0000
CP374402	374503	6		NONE		0.0000
CP374503	374502	6		NONE		0.0000
CP374502	374401	6		NONE		0.0000
CP374401	374501	6		NONE		0.0000
CP374501	374601	6		NONE		0.0010
CP104892	374601	2	NONE	NONE	-3.	0.0000
CP374601	374701	6		NONE		0.0010
CP374701	P40911	6		NONE		0.0000
CPP40911	4091P1	6		NONE		0.0000
CP4091P1	374801	6		NONE		0.0010
CP374801	W12482	6		NONE		0.0010
CPW12482	W12141	6		NONE		0.0020
CP516301	516302	6		NONE		0.0000
CP516302	516331	6		NONE		0.0000
CP516331	GALA57	6				0.0010
CPW12471	W12141	6		NONE		0.0000
CPW12472	GALA57	6		NONE		0.0000
CPW12141	516301	6		NONE		0.0000
CP516351	GALA57	2	NONE	NONE	-3.	0.0000
CPGALA57	374905	1		NONE	-3.	0.0050
CP374905	374904	6		NONE		0.0000
CP374904	374903	6		NONE		0.0000
CP374903	374902	6		NONE		0.0000

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CP374902	374901	6		NONE		0.0000
CP374901	375005	6		NONE		0.0000
CP375005	375004	6		NONE		0.0000
CP375004	375003	6		NONE		0.0000
CP375003	375002	6		NONE		0.0000
CP375002	375001	6		NONE		0.0000
CP375001	W12442	6		NONE		0.0000
CPW12442	CON102	6		NONE		0.0000
CP126441	W12441	2	NONE	NONE	-3.	0.0000
CP400751	400702	2	NONE	NONE	-3.	0.0000
CP123081	400702	2	NONE	NONE	-3.	0.0000
CP400702	400703	6		NONE		0.0000
CP400703	W12441	6		NONE		0.0000
CPW12441	375101	6		NONE		0.0000
CP397131	511831	6		299231		0.0000
CP511831	375101	6		299231		0.0000
CP102641	375101	2	NONE	NONE	-3.	0.0000
CP417131	375101	6		299231		0.0000
CP114591	375101	2	NONE	NONE	-3.	0.0000
CP375101	416621	6		NONE		0.0000
CP102642	416621	2	NONE	NONE	-3.	0.0000
CP416621	416611	6		NONE		0.0000
CP416611	CON102	6		NONE		0.0000
CP375332	375301	6		NONE		0.0000
CP375351	375301	2	NONE	NONE	-3.	0.0000
CP375301	375331	6		NONE		0.0000
CP375331	CON102	6		299231		0.0000
CP518831	375231	6		299231		0.0000
CP375231	CON102	6		299231		0.0000
CP375401	375431	6		NONE		0.0000
CP102991	CON102	2	NONE	NONE	-3.	0.0000
CP375431	CON102	6		299231		0.0000
CP375601	375503	6		NONE		0.0000
CP375505	375532	6		NONE		0.0000
CP375532	375503	6		NONE		0.0000
CP375503	375506	6		NONE		0.0000
CP375506	375533	6		NONE		0.0000
CP375533	375701	6		299231		0.0000
CP375701	375731	6		299231		0.0000
CP375731	CON102	6		299231		0.0000
CP375504	375531	6		NONE		0.0000
CP375531	375502	6		299231		0.0000
CP375502	375501	6		NONE		0.0000
CP375501	CON102	6		NONE		0.0000
CPCON102	W12142	6		NONE		0.0020
CPCON107	375801	6		NONE		0.0000
CPW12142	CON107	6		NONE		0.0000
CP375801	P42121	6		NONE		0.0020
CP421251	P42121	2	NONE	NONE	-3.	0.0000
CPP42121	375901	6		NONE		0.0010
CP421252	375901	2	NONE	NONE	-3.	0.0000
CP375901	P37611	6		NONE		0.0010
CPP37611	376102	6		NONE		0.0010
CP376102	376001	6		NONE		0.0010
CP376001	376101	6		NONE		0.0000
CP376101	376131	6		NONE		0.0000
CP376131	CON108	6		375931		0.0010
CP100041	CON108	2	NONE	NONE	-3.	0.0000
CP375941	OUT	2	NONE	375931	-3.	0.0000
CP375903	375932	6		NONE		0.0000
CP375932	375902	6		NONE		0.0000
CP375902	375931	6		NONE		0.0000
CP375931	CON108	6				0.0000
CP376231	CON108	6		375931		0.0000
CPCON108	LRCA58	6		NONE		0.0000
** Little River at Cameron						
**CPLRCA58	376301	1		NONE	-3.	0.0020
CPLRCA58	CASUBS	1		NONE	-3.	
CPCASUBS	CA-DRY	2	LRCA58	NONE	-3.	
CPCA-DRY	CA-AVG	2	LRCA58	NONE	-3.	
CPCA-AVG	CA-WET	2	LRCA58	NONE	-3.	
CPCA-WET	CADPUL	2	LRCA58	NONE	-3.	
CPCADPUL	CAASPL	2	LRCA58	NONE	-3.	
CPCAASPL	CAWSPL	2	LRCA58	NONE	-3.	
CPCAWSPL	LRCAA	2	LRCA58	NONE	-3.	
**						
CP LRCAA	LRCAB	2	LRCA58	NONE	-3.	0.0000
CP LRCAB	LRCAC	2	LRCA58	NONE	-3.	0.0000
CP LRCAC	LRCAD	2	LRCA58	NONE	-3.	0.0000
CP LRCAD	376301	2	LRCA58	NONE	-3.	0.0020
**						
CP376301	376402	6		NONE		0.0010
CP376402	376401	6		NONE		0.0000
CP376401	376504	6		NONE		0.0000

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CP376504	376503	6	NONE	0.0010
CP376503	376502	6	NONE	0.0000
CP376502	376501	6	NONE	0.0010
CP376501	376601	6	NONE	0.0000
CP376601	CON109	6	NONE	0.0010
CP522631	CON109	6	228731	0.0000
CP293851	554801	2	NONE NONE	-3. 0.0000
CP104702	554801	2	NONE NONE	-3. 0.0000
CP554801	CON109	6	NONE	0.0000
CP376801	376831	6	375931	0.0000
CP376831	CON109	6	375931	0.0000
CP376841	OUT	2	NONE 375931	-3. 0.0000
CP376742	OUT	2	NONE NONE	-3. 0.0000
CP376741	OUT	2	NONE 299231	-3. 0.0000
CP376701	376731	6	NONE	0.0000
CP376731	522731	6	NONE	0.0000
CP376702	376703	6	NONE	0.0000
CP376732	376705	6	NONE	0.0000
CP376705	376735	6	NONE	0.0000
CP376735	376703	6	NONE	0.0000
CP376704	376734	6	NONE	0.0000
CP376734	376703	6	NONE	0.0000
CP376703	376733	6	NONE	0.0000
CP376733	CON109	6	299231	0.0000
CP522731	CON109	6	299231	0.0000
CPCON109	376602	6	NONE	0.0000
CP376602	376603	6	NONE	0.0000
CP376603	376604	6	NONE	0.0010
CP376604	376605	6	NONE	0.0000
CP376605	376901	6	NONE	0.0010
CP376901	507721	6	NONE	0.0000
CP507721	507711	6	NONE	0.0010
CP507711	377002	6	NONE	0.0020
CP377002	377001	6	NONE	0.0010
CP376641	OUT	2	NONE 375931	-3. 0.0000
CP377001	377102	6	NONE	0.0010
CP377103	377102	6	NONE	0.0000
CP377102	377101	6	NONE	0.0010
CP377101	377201	6	NONE	0.0000
CP377201	377307	6	NONE	0.0000
CP377307	377202	6	NONE	0.0000
CP377202	377306	6	NONE	0.0000
CP377306	377305	6	NONE	0.0010
CP377305	377203	6	NONE	0.0000
CP377203	377401	6	NONE	0.0000
CP377401	377303	6	NONE	0.0010
CP377304	377332	6	NONE	0.0000
CP377332	377303	6	375931	0.0000
CP377303	377503	6	NONE	0.0000
CP377503	377302	6	NONE	0.0000
CP377302	377502	6	NONE	0.0000
CP436902	436932	6	NONE	0.0000
CP436932	CON111	6	NONE	0.0000
CP436901	436931	6	NONE	0.0000
CP436931	436902	6	375931	0.0000
CP433901	434001	6	NONE	0.0010
CP434001	434031	6	NONE	0.0000
CP434031	BRWA41	6	228731	0.0010
CP509451	BRWA41	2	NONE NONE	-3. 0.0000
** Brazos River near Waco				
**CPBRWA41	CON216	1	NONE	-3. 0.0000
CPBRWA41	WASUBS	1	NONE	-3.
CPWASUBS	WA-DRY	2	BRWA41 NONE	-3.
CPWA-DRY	WA-AVG	2	BRWA41 NONE	-3.
CPWA-AVG	WA-WET	2	BRWA41 NONE	-3.
CPWA-WET	WADPUL	2	BRWA41 NONE	-3.
CPWADPUL	WAASPL	2	BRWA41 NONE	-3.
CPWAASPL	WAWSPPL	2	BRWA41 NONE	-3.
CPWAWSPPL	CON216	2	BRWA41 NONE	-3.
**				
CP508541	OUT	2	NONE 228731	-3. 0.0000
CPCON216	508501	6	NONE	0.0000
CP508501	434402	6	NONE	0.0000
CP508551	434402	2	NONE NONE	-3. 0.0000
CP508552	434402	2	NONE NONE	-3. 0.0000
CP110711	434402	2	NONE NONE	-3. 0.0000
CP434402	CON112	6	NONE	0.0000
CP500001	500031	6	NONE	0.0000
CP500031	434202	6	406331	0.0000
CP012671	434202	2	NONE NONE	-3. 0.0000
CP434202	434231	6	NONE	0.0000
CP434231	434421	6		0.0000
CP434331	434332	6	228731	0.0000
CP434332	434421	6	NONE	0.0000

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CP434421	434411	6	NONE	0.0000		
CP434411	CON112	6	NONE	0.0000		
CPCON112	434201	6	NONE	0.0000		
CP434201	434401	6	NONE	0.0000		
CP434401	393603	6	NONE	0.0010		
CP393603	393602	6	NONE	0.0000		
CP393602	393601	6	NONE	0.0010		
CP393601	CON217	6	NONE	0.0000		
CP009541	434502	2	NONE	NONE	-3.	0.0000
CP009543	434502	2	NONE	NONE	-3.	0.0000
CP434502	434531	6	NONE	0.0000		
CP434531	CON217	6	NONE	0.0000		
CPCON217	434501	6	NONE	0.0000		
** FNI change Waco reuse permit						
**CP434501	P40421	6	NONE	0.0020		
CP434501	584001	6	NONE	0.0009		
CP584001	P40421	6	NONE	0.0011		
**						
CPP40421	P40891	6	NONE	0.0000		
CPP40891	404202	6	NONE	0.0000		
CP404202	P40892	6	NONE	0.0000		
CPP40892	434602	6	NONE	0.0010		
CP434602	434601	6	NONE	0.0000		
CP434601	401421	6	NONE	0.0000		
CP401421	556321	6	NONE	0.0000		
CP556321	556311	6	NONE	0.0000		
CP556311	559201	6	NONE	0.0000		
CP559201	401321	6	NONE	0.0010		
CP401321	401311	6	NONE	0.0000		
CP401311	401411	6	NONE	0.0000		
CP401411	CON113	6	NONE	0.0000		
CP434701	434731	6	NONE	0.0000		
CP434731	CON113	6	228731	0.0000		
CP434801	434831	6	NONE	0.0000		
CP434831	CON113	6	228731	0.0000		
CP434903	434933	6	NONE	0.0000		
CP434933	CON113	6	228731	0.0000		
CP434902	434932	6	NONE	0.0000		
CP434932	CON113	6	228731	0.0000		
CP434901	434931	6	NONE	0.0000		
CP434931	CON113	6	228731	0.0000		
CP435001	435031	6	NONE	0.0000		
CP435031	CON113	6	228731	0.0000		
CP435101	435131	6	NONE	0.0000		
CP435131	CON113	6	228731	0.0000		
CP435201	435231	6	NONE	0.0000		
CP435231	CON113	6	228731	0.0000		
CP435301	435331	6	NONE	0.0000		
CP435331	435401	6	228731	0.0000		
CP435401	435431	6	NONE	0.0000		
CP435431	CON113	6	228731	0.0000		
CPCON113	401322	6	NONE	0.0000		
CP401322	401312	6	NONE	0.0000		
CP401312	435501	6	NONE	0.0000		
CP435501	424601	6	NONE	0.0000		
CP424601	P41081	6	NONE	0.0010		
CP435631	P41081	6	406331	0.0000		
CPP41081	P41082	6	NONE	0.0000		
CP101102	P41082	2	NONE	NONE	-3.	0.0000
CPP41082	CON114	6	NONE	0.0010		
CP435601	CON114	6	NONE	0.0000		
CPCON114	CON115	6	NONE	0.0010		
CP435731	CON115	6	406331	0.0000		
CPCON115	CON116	6	NONE	0.0000		
CP435553	P40781	2	NONE	NONE	-3.	0.0000
CP435503	435533	6	NONE	0.0000		
CP435533	P40781	6	NONE	0.0000		
CPW12424	435532	6	NONE	0.0000		
CP435532	W12423	6	406331	0.0000		
CP435552	435502	2	NONE	NONE	-3.	0.0000
CP435554	W12423	2	NONE	NONE	-3.	0.0000
CPW12423	435502	6	NONE	0.0000		
CP435502	P40781	6	NONE	0.0000		
CP435531	P40781	6	406331	0.0000		
CP435551	P40781	2	NONE	NONE	-3.	0.0000
CPCON116	435801	6	NONE	0.0000		
CP435801	435802	6	NONE	0.0000		
CP435851	435802	2	NONE	NONE	-3.	0.0000
CP435802	P40631	6	NONE	0.0000		
CPP40631	CON218	6	NONE	0.0000		
CPCON218	BRHB42	6	NONE	0.0010		
CP406331	406302	6	NONE	0.0000		
CP406302	BRHB42	6	NONE	0.0000		
**CPBRHB42	435902	1	NONE	-3.	0.0000	

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** SysOp Change:
** CP Records add/changed for BRA SOP Consensus Method IF, Highbank
CPBRHB42 BRHBA 1 NONE -3. 0.0000
CP BRHBA BRHBB 2 BRHB42 NONE -3. 0.0000
CP BRHBB BRHBC 2 BRHB42 NONE -3. 0.0000
CP BRHBC BRHBD 2 BRHB42 NONE -3. 0.0000
CP BRHBD 435902 2 BRHB42 NONE -3. 0.0000
**
CP435902 435901 6 NONE 0.0000
CP435901 407521 6 NONE 0.0010
CP407521 407511 6 NONE 0.0000
CP407511 P40761 6 NONE 0.0000
CPP40761 P40781 6 NONE 0.0000
CP407651 P40781 2 NONE NONE -3. 0.0000
CPP40781 407802 6 NONE 0.0000
CP407802 CON117 6 NONE 0.0000
CP436051 436002 2 NONE NONE -3. 0.0000
CP436002 436031 6 NONE 0.0000
CP436031 436001 6 228731 0.0000
CP436001 CON117 6 228731 0.0000
CP436052 CON117 2 NONE NONE -3. 0.0000
CPCON117 407803 6 NONE 0.0000
CP407803 P40231 6 NONE 0.0020
CP407851 P40231 2 NONE NONE -3. 0.0000
CPP40231 436101 6 NONE 0.0000
CP436101 436201 6 NONE 0.0000
CP436201 436302 6 NONE 0.0000
CP436302 436301 6 NONE 0.0000
CP436301 436404 6 NONE 0.0000
CP436404 436403 6 NONE 0.0000
CP436403 436402 6 NONE 0.0000
CP436402 436401 6 NONE 0.0000
CP436401 436501 6 NONE 0.0000
CP436501 436601 6 NONE 0.0000
CP436601 436702 6 NONE 0.0000
CP436702 436701 6 NONE 0.0000
CP436701 547001 6 NONE 0.0000
CP436441 OUT 2 NONE 375931 -3. 0.0000
CP547001 CON111 6 NONE 0.0010
CPCON111 W12132 6 NONE 0.0000
CPW12132 P41451 6 NONE 0.0010
CPP41451 436802 6 NONE 0.0000
CP436802 436801 6 NONE 0.0000
CP414551 436801 2 NONE NONE -3. 0.0000
CP436801 CON118 6 NONE 0.0020
CPCON118 P40801 6 NONE 0.0020
CPP40801 P40802 6 NONE 0.0000
CPP40802 P40803 6 NONE 0.0000
CPP40803 408004 6 NONE 0.0000
CP408004 437001 6 NONE 0.0010
CP408051 437001 2 NONE NONE -3. 0.0000
CP437001 437002 6 NONE 0.0000
CP437002 437102 6 NONE 0.0000
CP437003 437031 6 NONE 0.0000
CP437031 437004 6 375931 0.0000
CP437004 437032 6 NONE 0.0000
CP437032 437102 6 NONE 0.0000
CP437102 437101 6 NONE 0.0000
CP437101 437201 6 NONE 0.0000
CP437201 CON119 6 NONE 0.0020
CP437332 437331 6 375931 0.0000
CP437331 CON119 6 375931 0.0000
CP437431 CON119 6 375931 0.0000
CPCON119 CON120 6 NONE 0.0010
CP437202 437231 6 NONE 0.0000
CP437231 CON120 6 375931 0.0000
CPCON120 P53491 6 NONE 0.0000
CPP53491 CON121 6 NONE 0.0000
CP028813 436304 2 NONE NONE -3. 0.0000
CP511731 5326P1 6 406331 0.0000
CP5326P1 436304 6 NONE 0.0000
CP5326P2 436304 6 NONE 0.0000
CP511732 436304 6 NONE 0.0000
CP028818 436304 2 NONE NONE -3. 0.0000
CP028815 436304 2 NONE NONE -3. 0.0000
CP02881B 436304 2 NONE NONE -3. 0.0000
CP02881A 436304 2 NONE NONE -3. 0.0000
CP548231 436304 6 406331 0.0000
CP028817 436304 2 NONE NONE -3. 0.0000
CP028814 436304 2 NONE NONE -3. 0.0000
CP028810 436304 2 NONE NONE -3. 0.0000
CP028811 436304 2 NONE NONE -3. 0.0000
CP514832 437501 6 NONE 0.0000
CP028772 437501 2 NONE NONE -3. 0.0000

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CP437501	436304	6	NONE	0.0000
CP437503	437532	6	NONE	0.0000
CP437532	437502	6	NONE	0.0000
CP437502	437531	6	NONE	0.0000
CP437531	436304	6	406331	0.0000
CP514833	436304	6	NONE	0.0000
CP510631	436304	6	406331	0.0000
CP028812	436304	2	NONE NONE	-3. 0.0000
CP028819	436304	2	NONE NONE	-3. 0.0000
CP514831	436304	6	406331	0.0000
CP436304	436305	6	NONE	0.0000
CP436305	436303	6	NONE	0.0000
CP436303	436406	6	NONE	0.0000
CP436406	436405	6	NONE	0.0000
CP436405	CON121	6	NONE	0.0000
CP437601	CON121	6	NONE	0.0000
CP437733	437701	6	NONE	0.0000
CP437701	437732	6	NONE	0.0000
CP437732	437731	6	375931	0.0000
CP437731	CON121	6	NONE	0.0000
CP100462	CON121	2	NONE NONE	-3. 0.0000
CP437831	CON121	6	375931	0.0000
CPCON121	BRBR59	6	NONE	0.0010
** Brazos River near Bryan				
**CPBRBR59	CON122	1	NONE	-3. 0.0020
CPBRBR59	BRSUBS	1	NONE	-3.
CPBRSUBS	BR-DRY	2	BRBR59 NONE	-3.
CPBR-DRY	BR-AVG	2	BRBR59 NONE	-3.
CPBR-AVG	BR-WET	2	BRBR59 NONE	-3.
CPBR-WET	BRDPUL	2	BRBR59 NONE	-3.
CPBRDPUL	BRASPL	2	BRBR59 NONE	-3.
CPBRASPL	BRWSPL	2	BRBR59 NONE	-3.
CPBRWSPL	CON122	2	BRBR59 NONE	-3. 0.0020
**				
CP021173	CON122	2	NONE NONE	-3. 0.0000
CP526801	526831	6	NONE	0.0000
CP526831	CON122	6		0.0000
CP526851	CON122	2	NONE NONE	-3. 0.0000
CP104262	526901	2	NONE NONE	-3. 0.0000
CP526901	526902	6	NONE	0.0000
CP526902	CON122	6	NONE	0.0000
CP038211	CON122	2	NONE NONE	-3. 0.0000
CP527031	CON122	6	375931	0.0000
CPCON122	527101	6	NONE	0.0010
CP527101	P41281	6	375931	0.0010
CPP41281	560302	6	NONE	0.0040
CP025851	560302	2	NONE NONE	-3. 0.0000
CP109681	560302	2	NONE NONE	-3. 0.0000
CP560302	P40171	6	NONE	0.0020
CPP40171	401702	6	NONE	0.0010
CP401702	528511	6	NONE	0.0000
CP528511	528522	6	NONE	0.0000
CP528522	401622	6	NONE	0.0000
CP401622	CON130	6	NONE	0.0010
CP527131	527102	6	375931	0.0000
CP527102	560301	6	375931	0.0000
**CP560301	CON130	6	NONE	0.0000
** ADD NEW CP FOR P5752				
CP560301	575203	6	NONE	0.0000
CP575203	CON130	6	401041	0.0000
**				
CP003953	CON227	2	NONE NONE	-3. 0.0000
CP003951	003952	2	NONE NONE	-3. 0.0000
CP003952	527201	2	NONE NONE	-3. 0.0000
CP527201	527231	6	NONE	0.0000
CP527231	527301	6		0.0000
CP527301	527331	6	NONE	
CP527331	554031	6	299231	
**CP554031	CON225	6	299231	0.0000
CP554031	554032	6	299231	0.0000
CP554032	CON225	6		0.0000
**				
CP375851	CON226	2	NONE NONE	-3. 0.0000
CPCON226	580332	6	NONE	0.0000
CP580331	580332	6	299231	0.0000
CP580332	CON225	6	299231	0.0000
**				
CPCON225	CON224	6	NONE	0.0000
CP003956	CON224	2	NONE NONE	-3. 0.0000
**CP554032	CON224	6		0.0000
CP003954	CON224	2	NONE NONE	-3. 0.0000
CP003955	CON224	2	NONE NONE	-3. 0.0000
CP003957	CON224	2	NONE NONE	-3. 0.0000
CP527401	527431	6	NONE	0.0000

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CP527431	CON224	6	375931	0.0000
CPCON224	EYDB61	6	NONE	0.0000
CPEYDB61	CON124	1	NONE	-3. 0.0070
CP00395A	MYDB60	2	NONE	-3. 0.0000
CP003958	MYDB60	2	NONE	-3. 0.0000
CPMYDB60	CON124	1	NONE	-3. 0.0100
**CPCON124	W12121	6	NONE	0.0030
** NOTE: W12121 NEEDS TO BE ADDED IN AFTER THE STREAM EDITS ARE PROCESSED				
**CPW12121	CON125	6	NONE	0.0010
**				
CP565801	CON125	6	375931	0.0000
CP565837	CON125	6	375931	0.0000
CP565833	CON125	6	375931	0.0000
CP565836	CON124	6	375931	0.0000
CP565834	CON124	6	375931	0.0000
CPCON124	565801	6	NONE	0.0030
**				
CP527542	OUT	2	NONE	-3. 0.0000
CP527541	OUT	2	NONE	-3. 0.0000
CP527502	527532	6	NONE	0.0000
CP527532	527501	6	NONE	0.0000
CP527501	527531	6	NONE	0.0000
CP527531	CON125	6	375931	0.0000
CPCON125	CON126	6	NONE	0.0020
CP527601	527631	6	NONE	0.0000
CP527631	CON126	6	375931	0.0000
CP527733	527732	6	375931	0.0000
CP527732	527731	6	375931	0.0000
CP527731	527701	6	375931	0.0000
CP527701	CON126	6	NONE	0.0000
CP527831	CON126	6	375931	0.0000
CPCON126	CON227	6	NONE	0.0010
CP527932	CON227	6	375931	0.0000
CP527931	CON227	6	375931	0.0000
CPCON227	CON128	6	NONE	0.0020
CP527933	CON128	6	375931	0.0000
CPCON128	CON228	6	NONE	0.0030
CP528001	CON228	6	NONE	0.0000
CP528051	CON228	2	NONE	-3. 0.0000
CP528041	OUT	2	NONE	-3. 0.0000
CPCON228	W12111	6	NONE	0.0010
CPW12111	516402	6	NONE	0.0000
CP516402	516431	6	NONE	0.0000
CP516431	516401	6	NONE	0.0000
CP516401	W12122	6	NONE	0.0000
CPW12122	YCSO62	6	NONE	0.0010
CP516451	YCSO62	2	NONE	-3. 0.0000
**CPYCSO62	CON123	1	NONE	-3. 0.0030
** SysOp change - added control points for consensus method				
CPYCSO62	YCSOA	1	NONE	-3. 0.0000
CP YCSOA	YCSOB	2	YCSO62	-3. 0.0000
CP YCSOB	YCSOC	2	YCSO62	-3. 0.0000
CP YCSOC	YCSOD	2	YCSO62	-3. 0.0000
CP YCSOD	CON123	2	YCSO62	-3. 0.0030
**				
CP528131	CON223	6	375931	0.0000
CP528232	528231	6	NONE	0.0000
CP528231	CON223	6	375931	0.0000
CPCON223	P41401	6	NONE	0.0000
CPP41401	CON222	6	NONE	0.0000
CP414051	CON222	2	NONE	-3. 0.0000
CPCON222	CON221	6	NONE	0.0000
CP528332	CON221	6	375931	0.0000
CPCON221	CON220	6	NONE	0.0000
CP528331	CON220	6	375931	0.0000
CP528335	CON220	6	375931	0.0000
CP528336	CON220	6	375931	0.0000
CPCON220	CON219	6	NONE	0.0000
CP528333	CON219	6	375931	0.0000
CP528334	CON219	6	375931	0.0000
CPCON219	DCLY63	6	NONE	0.0000
CPDCLY63	CON123	1	NONE	-3. 0.0060
CPCON123	CON129	6	NONE	0.0040
CP528431	528401	6	375931	0.0000
CP528401	CON129	6	NONE	0.0000
CPCON129	W12112	6	NONE	0.0030
CPW12101	W12102	6	NONE	0.0000
CPW12102	W12532	6	NONE	0.0000
CPW12532	528731	6	NONE	0.0000
CP528751	W12102	2	NONE	-3. 0.0000
CP528731	528701	6	NONE	0.0000
CP528701	528801	6	NONE	0.0000
CP528801	528831	6	NONE	0.0000
CP528831	NAGR64	6	406331	0.0000

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CPNAGR64	528931	1	NONE	-3.	0.0000
CP528931	528901	6	406331		0.0000
CP528901	CON131	6	NONE		0.0020
CP529031	529001	6	406331		0.0000
CP529001	CON131	6	NONE		0.0000
CPCON131	W12531	6	NONE		0.0020
CPW12531	CON132	6	NONE		0.0030
CP529131	529101	6	406331		0.0000
CP529101	CON229	6	NONE		0.0000
CP529332	529331	6	406331		0.0000
CP529331	529201	6	406331		0.0000
CP529201	CON229	6	NONE		0.0000
CPCON229	CON250	6	NONE		0.0000
CP529431	CON250	6	406331		0.0000
CPCON250	W12522	6	NONE		0.0000
CPW12522	BGFR65	6	NONE		0.0000
CPBGFR65	CON132	1	NONE	-3.	0.0000
CP529531	CON132	6	406331		0.0000
CPCON132	CON230	6	NONE		0.0010
CP024302	CON230	2	NONE	-3.	0.0000
CP024301	CON230	2	NONE	-3.	0.0000
CP024305	CON230	2	NONE	-3.	0.0000
CP02653A	CON230	2	NONE	-3.	0.0000
CP026530	CON230	2	NONE	-3.	0.0000
CP026534	CON230	2	NONE	-3.	0.0000
CP026536	CON230	2	NONE	-3.	0.0000
CP026531	CON230	2	NONE	-3.	0.0000
CP531904	531938	6	NONE		0.0000
CP531938	531907	6	NONE		0.0000
CP531905	531939	6	NONE		0.0000
CP531939	531930	6	NONE		0.0000
CP531930	531907	6	NONE		0.0000
CP531907	53193C	6	NONE		0.0000
CP53193C	CON230	6	NONE		0.0000
CP5319P1	P53192	6	NONE		0.0000
CPP53192	531934	6	NONE		0.0000
CP531934	CON230	6	NONE		0.0000
CP5319P2	CON230	6	NONE		0.0000
CP53193D	CON230	6	NONE		0.0000
CPP53191	531933	6	NONE		0.0000
CP531933	531935	6	NONE		0.0000
CP531935	CON230	6	NONE		0.0000
CP531936	CON230	6	406331		0.0000
CPCON230	CON133	6	NONE		0.0010
CP026533	CON133	2	NONE	-3.	0.0000
CP531903	531937	6	NONE		0.0000
CP531937	CON133	6	406331		0.0000
CP5319PB	CON133	6	NONE		0.0000
CP531906	5319PA	6	NONE		0.0000
CP5319PA	CON133	6	NONE		0.0000
CPCON133	W12521	6	NONE		0.0000
CPW12092	516501	6	NONE		0.0000
CP516501	516531	6	406331		0.0000
** FNI change - for Limestone instream flow					
**CP516531	CON134	6			0.0040
CP516531	5165IF	6			0.0000
CP5165IF	CON134	6	NONE		0.0040
** end FNI change					
CPW12521	W12092	6	NONE		0.0000
CP026532	CON134	2	NONE	-3.	0.0000
CP531908	53193E	6	NONE		0.0000
CP53193E	CON134	6	NONE		0.0000
CP536731	CON134	6	406331		0.0000
CP529731	CON134	6	406331		0.0000
CP516032	CON134	6	NONE		0.0000
CPP51601	5160P1	6	NONE		0.0000
CP5160P1	NAEA66	6	406331		0.0000
CPCON134	NAEA66	6	NONE		0.0010
** Navasota River at Easterly					
**CPNAEA66	CON135	1	NONE	-3.	0.0020
CPNAEA66	EASUBS	1	NONE	-3.	
CPEASUBS	EA-DRY	2	NAEA66	NONE	-3.
CPEA-DRY	EA-AVG	2	NAEA66	NONE	-3.
CPEA-AVG	EA-WET	2	NAEA66	NONE	-3.
CPEA-WET	EADPUL	2	NAEA66	NONE	-3.
CPEADPUL	EAASPL	2	NAEA66	NONE	-3.
CPEAASPL	EAWSPL	2	NAEA66	NONE	-3.
CPEAWSPL	NAEAA	2	NAEA66	NONE	-3.
**					
CPNAEAA	NAEAB	2	NAEA66	NONE	-3.
CPNAEAB	NAEAC	2	NAEA66	NONE	-3.
CPNAEAC	NAEAD	2	NAEA66	NONE	-3.
CPNAEAD	CON135	2	NAEA66	NONE	-3.
**					

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CP019861	CON135	2	NONE	NONE	-3.	0.0000
CP529801	529831	6		NONE		0.0000
CP529831	CON135	6				0.0000
CPCON135	CON136	6		NONE		0.0010
CP529931	CON136	6		406331		0.0000
CP429601	429631	6		NONE		0.0000
CP429631	CON136	6		NONE		0.0000
CP429602	429632	6		NONE		0.0000
CP429632	CON136	6		NONE		0.0000
CP429603	429633	6		NONE		0.0000
CP429633	CON136	6		NONE		0.0000
CPCON136	CON137	6		NONE		0.0010
CP530031	530131	6		406331		0.0000
CP530131	CON137	6				0.0000
CPCON137	CON138	6		NONE		0.0020
CP530235	530231	6		NONE		0.0000
CP530231	530331	6		406331		0.0000
CP530234	530233	6		NONE		0.0000
CP530233	530232	6		NONE		0.0000
CP530232	530331	6		406331		0.0000
CP530331	CON138	6		406331		0.0000
CPCON138	NABR67	6		NONE		0.0040
CPNABR67	CON139	1		NONE	-3.	0.0030
CP530431	CON139	6		375931		0.0000
CPCON139	CON140	6		NONE		0.0040
CP530531	CON140	6		375931		0.0000
CPCON140	CON141	6		NONE		0.0030
CP530631	CON141	6		375931		0.0000
**Move control points of TMPA run-of-the-river diversion (530701) downstream of CON141						
**Change locates diversion on main stem of Navasota River						
**CPCON141	CON247	6		NONE		0.0030
CPCON141	530701	6		NONE		0.0014
**CP530701	530731	6		NONE		0.0000
**CP530731	CON247	6		375931		0.0000
CP530701	CON247	6		375931		0.0016
CPCON247	CON142	6		NONE		0.0010
CP530801	530831	6		NONE		0.0000
CP530831	P53291	6		375931		0.0000
CP013931	530931	2	NONE	NONE	-3.	0.0000
CP542201	530931	6		NONE		0.0000
CP542251	530931	2	NONE	NONE	-3.	0.0000
CP530931	P53291	6		375931		0.0000
CP104261	P53291	2	NONE	NONE	-3.	0.0000
CP535731	P53291	6		375931		0.0000
CP100241	P53291	2	NONE	NONE	-3.	0.0000
CP534532	534531	6		NONE		0.0000
CP534531	P53291	6		375931		0.0000
CP531031	P53291	6		375931		0.0000
CPP53291	CON142	6		NONE		0.0000
CP532951	532903	2	NONE	NONE	-3.	0.0000
CP532903	CON142	6		NONE		0.0000
CPCON142	CON143	6		NONE		0.0020
CP532952	532931	2	NONE	NONE	-3.	0.0000
CP532902	532931	6		NONE		0.0000
CP532931	CON143	6		375931		0.0000
CP538531	CON143	6		375931		0.0000
CP508133	CON143	6		375931		0.0000
CP508132	CON143	6		375931		0.0000
CP508131	CON143	6		375931		0.0000
CP100243	CON143	2	NONE	NONE	-3.	0.0000
CPCON143	557011	6		NONE		0.0010
CP513233	557011	6		375931		0.0000
CP024605	557011	2	NONE	NONE	-3.	0.0000
CP557011	CON144	6		NONE		0.0010
CP024604	513231	2	NONE	NONE	-3.	0.0000
CP513231	513232	6		375931		0.0000
CP513232	CON144	6		375931		0.0000
CPCON144	CON146	6		NONE		0.0000
CP531431	CON146	6		375931		0.0000
CPCON146	CON145	6		NONE		0.0000
CP547301	547331	6		NONE		0.0000
CP547331	CON145	6		375931		0.0000
CP530751	CON145	2	NONE	NONE	-3.	0.0000
CP531101	531131	6		NONE		0.0000
CP531131	CON145	6				0.0000
CP531151	CON145	2	NONE	NONE	-3.	0.0000
CP021201	CON145	2	NONE	NONE	-3.	0.0000
CP531201	531231	6		NONE		0.0000
CP531231	CON145	6		375931		0.0000
CP024601	CON145	2	NONE	NONE	-3.	0.0000
CP545801	545831	6		NONE		0.0000
CP545831	CON145	6		375931		0.0000
CP505336	505334	6		375931		0.0000
CP505334	CON145	6		375931		0.0000

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CP531331	CON145	6		375931		0.0000
CP024602	505332	2	NONE	NONE	-3.	0.0000
CP505331	505333	6		375931		0.0000
CP505333	505332	6		375931		0.0000
CP505335	505332	6		375931		0.0000
CP505332	CON145	6		375931		0.0000
CP535402	535432	6		NONE		0.0000
CP535432	CON145	6		NONE		0.0000
CP024608	CON145	2	NONE	NONE	-3.	0.0000
CPP53541	535431	6		NONE		0.0000
CP535431	CON145	6		375931		0.0000
CP024603	CON145	2	NONE	NONE	-3.	0.0000
CP513201	CON145	6		NONE		0.0000
CPCON145	557021	6		NONE		0.0000
CP557021	556601	6		NONE		0.0060
CP556601	528623	6		NONE		0.0040
CP102311	528623	2	NONE	NONE	-3.	0.0000
CP556641	OUT	2	NONE	375931	-3.	0.0000
CP528623	CON231	6		NONE		0.0000
CPP40161	4016P1	6		NONE		0.0000
CP4016P1	CON231	6		NONE		0.0000
CPCON231	528613	6		NONE		0.0000
CP528613	CON147	6		NONE		0.0020
CPW12112	CON130	6		NONE		0.0000
CPCON130	401612	6		NONE		0.0000
CP401612	528521	6		NONE		0.0000
CP528521	528512	6		NONE		0.0000
CP528512	401121	6		NONE		0.0000
CP401121	401111	6		NONE		0.0000
CP401111	401621	6		NONE		0.0000
CP401621	401611	6		NONE		0.0010
CP401602	401632	6		NONE		0.0000
CP401611	CON232	6		NONE		0.0000
CP401632	401611	6		NONE		0.0000
CP401633	401611	6		NONE		0.0000
CP401603	401633	6		NONE		0.0000
CP423202	423203	6		NONE		0.0000
CP423203	423204	6		NONE		0.0000
CP423204	423231	6		NONE		0.0000
CPCON232	528621	6		NONE		0.0010
CP528621	528611	6		NONE		0.0000
CP528611	528622	6		NONE		0.0010
CP528622	528612	6		NONE		0.0000
CP528612	W12421	6		NONE		0.0010
CPCON147	W12021	6		NONE		0.0000
CPW12021	CON148	6		NONE		0.0010
CP529002	P52901	6		NONE		0.0000
CPP52901	CON148	6		375931		0.0000
CPCON148	529003	6		NONE		0.0010
CPW12421	CON147	6		NONE		0.0000
CP529041	OUT	2	NONE	375931	-3.	0.0000
CP529003	CON149	6		NONE		0.0070
CP531635	CON149	6		NONE		0.0000
CP531631	CON149	6		NONE		0.0000
CP531632	CON149	6		NONE		0.0000
CP531633	CON149	6		NONE		0.0000
CP531634	CON149	6		375931		0.0000
CP103881	CON149	2	NONE	NONE	-3.	0.0000
CP531531	529003	6				0.0000
CP561631	CON149	6		531531		0.0000
CP531731	CON150	6		375931		0.0000
CPCON149	BRHE68	6		NONE		0.0000
** Brazos River near Hempstead						
**CPBRHE68	CON150	1		NONE	-3.	0.0050
CPBRHE68	HESUBS	1		NONE	-3.	
CPHESUBS	HE-DRY	2	BRHE68	NONE	-3.	
CPHE-DRY	HE-AVG	2	BRHE68	NONE	-3.	
CPHE-AVG	HE-WET	2	BRHE68	NONE	-3.	
CPHE-WET	HEDPUL	2	BRHE68	NONE	-3.	
CPHEDPUL	HEASPL	2	BRHE68	NONE	-3.	
CPHEASPL	HEWSPL	2	BRHE68	NONE	-3.	
CPHEWSPL	CON150	2	BRHE68	NONE	-3.	0.0050
**						
CP531831	CON150	6		375931		0.0000
CP112751	CON150	2	NONE	NONE	-3.	0.0000
CPCON150	P40091	6		NONE		0.0010
CP400951	P40091	2	NONE	NONE	-3.	0.0000
**CPP40091 now flows into CP 566502						
**CPP40091	CON151	6		NONE		0.0060
CP40091	566502	6		NONE		0.0000
**Application 5665, Paul Weinman (566502 and 566501) now lies between CP 400952 and CON151.						
**CP400952	CON151	2	NONE	NONE	-3.	0.0000
CP400952	566502	2	NONE	NONE	-3.	0.0000
CP103851	MCBL69	2	NONE	NONE	-3.	0.0000

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CPMCBL69	CON151	1		NONE	-3.	0.0030
CPCON151	428001	6		NONE		0.0000
CP428001	516604	6		NONE		0.0060
CP026651	516604	2	NONE	NONE	-3.	0.0000
CP026241	516604	2	NONE	NONE	-3.	0.0000
CP516604	292502	6		NONE		0.0000
CP292502	292504	6		NONE		0.0000
**CP292504	CON233	6		NONE		0.0000
CP292504	2925A	6		292531		0.0000
CP 2925A	2925B	6		NONE		0.0000
CP 2925B	2925C	6		NONE		0.0000
CP 2925C	2925D	6		NONE		0.0000
CP 2925D	CON233	6		NONE		0.0000
**						
CP292553	CON233	2	NONE	NONE	-3.	0.0000
CP102761	CON233	2	NONE	NONE	-3.	0.0000
CP292501	292531	6		NONE		0.0000
CP517102	516801	6		NONE		0.0000
CP516801	516701	6		401041		0.0000
CP517101	516603	6		NONE		0.0040
CP531931	531901	6		401041		0.0000
CP532341	OUT	2	NONE	401041	-3.	0.0000
CP532501	532502	6		NONE		0.0000
CP532502	532503	6		NONE		0.0000
CP532503	532504	6		NONE		0.0000
CP532504	532505	6		NONE		0.0000
CP536604	536631	6		NONE		0.0000
CP536631	532804	6		NONE		0.0000
CP536641	OUT	2	NONE	NONE	-3.	0.0000
CP536642	OUT	2	NONE	NONE	-3.	0.0000
CP536662	536641	2	NONE	NONE	-3.	0.0000
CP536663	536642	2	NONE	NONE	-3.	0.0000
CPCON233	292503	6		NONE		0.0010
CP292503	CON153	6		NONE		0.0010
**						
CP292551	CON233	2	NONE	NONE	-3.	0.0000
CP292552	CON233	2	NONE	NONE	-3.	0.0000
CP292531	CON233	6				0.0000
CP423201	423202	6		NONE		0.0000
CPCON153	CON234	6		NONE		0.0020
CP423231	CON153	6		401041		0.0000
CP531902	531931	6		NONE		0.0000
CP531901	531932	6		NONE		0.0000
CP531951	531901	2	NONE	NONE	-3.	0.0000
CP516802	516702	6		NONE		0.0000
CP531932	CON234	6		401041		0.0000
CPCON234	W12451	6		NONE		0.0000
CPW12451	516802	6		NONE		0.0000
CP516702	517101	6		NONE		0.0000
CP024431	516603	2	NONE	NONE	-3.	0.0000
CP106073	516603	2	NONE	NONE	-3.	0.0000
CP516603	532001	6		NONE		0.0000
CP116551	BRR170	2	NONE	NONE	-3.	0.0000
CP102581	BRR170	2	NONE	NONE	-3.	0.0000
** CP Records Added/Changed for P2925						
CPBRR170	BRR17A	1		NONE	-3.	0.0000
CPBRR17A	BRR17B	2	BRR170	NONE	-3.	0.0000
CPBRR17B	BRR17C	2	BRR170	NONE	-3.	0.0000
CPBRR17C	BRR17D	2	BRR170	NONE	-3.	0.0000
**CPBRR17D	556721	2	BRR170	NONE	-3.	0.0010
** SysOp Change:						
** Add dummy control points to model the Consensus Method.						
CPBRR17D	BRR1A	2	BRR170	NONE	-3.	0.0000
**						
CP BRR1A	BRR1A1	2	BRR170	NONE	-3.	0.0000
**						
**CP BRR1A	BRR1B	2	BRR170	NONE	-3.	0.0000
CPBRR1A1	BRR1B	2	BRR170	NONE	-3.	0.0000
CP BRR1B	BRR1B1	2	BRR170	NONE	-3.	0.0000
CPBRR1B1	BRR1C	2	BRR170	NONE	-3.	0.0000
CP BRR1C	BRR1C1	2	BRR170	NONE	-3.	0.0000
CPBRR1C1	BRR1D	2	BRR170	NONE	-3.	0.0000
** Brazos River at Richmond						
**CP BRR1D	556721	2	BRR170	NONE	-3.	0.0010
CP BRR1D	RCSUBS	2	BRR170	NONE	-3.	
CPRCSUBS	RC-DRY	2	BRR170	NONE	-3.	
CPRC-DRY	RC-AVG	2	BRR170	NONE	-3.	
CPRC-AVG	RC-WET	2	BRR170	NONE	-3.	
CPRC-WET	RCDPUL	2	BRR170	NONE	-3.	
CPRCDPUL	RCASPL	2	BRR170	NONE	-3.	
CPRCASPL	RCWSPL	2	BRR170	NONE	-3.	
CPRCWSPL	556721	2	BRR170	NONE	-3.	0.0010
**						
CP532001	BRR170	6		NONE		0.0020

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CP556741	OUT	2	NONE	NONE	-3.	0.0000
CP556721	556711	6		NONE		0.0000
CP556711	CON235	6		NONE		0.0000
CP556751	CON235	2	NONE	NONE	-3.	0.0000
CP136281	CON154	2	NONE	NONE	-3.	0.0000
CP517301	511001	6		NONE		0.0000
CP511001	511031	6		NONE		0.0000
CP511002	CON154	6		NONE		0.0000
CP511031	511002	6		401041		0.0000
CP511032	CON154	6		NONE		0.0000
CP128332	WL2452	2	NONE	NONE	-3.	0.0000
CP113171	WL2452	2	NONE	NONE	-3.	0.0000
CP138731	WL2452	2	NONE	NONE	-3.	0.0000
CP519951	WL2452	2	NONE	NONE	-3.	0.0000
CP128331	WL2452	2	NONE	NONE	-3.	0.0000
CP519901	WL2452	6		NONE		0.0000
CP141001	WL2452	2	NONE	NONE	-3.	0.0000
CP555241	OUT	2	NONE	NONE	-3.	0.0000
CP555242	OUT	2	NONE	NONE	-3.	0.0000
CP555201	555221	6		NONE		0.0010
CP555251	555221	2	NONE	NONE	-3.	0.0000
CP555221	555211	6		NONE		0.0000
CP555211	CON237	6		NONE		0.0000
CPCON237	CON155	6		NONE		0.0000
CP516602	517102	6		NONE		0.0000
CPCON155	CON240	6		NONE		0.0010
CP516701	CON155	6		NONE		0.0000
CPCON240	516601	6		NONE		0.0000
CP516601	532201	6		NONE		0.0000
CP511551	532301	2	NONE	NONE	-3.	0.0000
CP532361	532341	2	NONE	NONE	-3.	0.0000
CP532301	CON157	6		NONE		0.0000
CP532201	532301	6		NONE		0.0020
CP560642	OUT	2	NONE	NONE	-3.	0.0000
CP560641	OUT	2	NONE	401041	-3.	0.0000
CP560602	560601	6		NONE		0.0000
CP560601	CON236	6		NONE		0.0000
CP106072	560601	2	NONE	NONE	-3.	0.0000
CP560651	CON236	2	NONE	NONE	-3.	0.0000
CPCON236	BGNE71	6		NONE		0.0000
CPBGNE71	532601	1		NONE	-3.	0.0070
CP532431	532601	6		401041		0.0000
CP010382	511501	2	NONE	NONE	-3.	0.0000
CP010384	511501	2	NONE	NONE	-3.	0.0000
CP010383	511501	2	NONE	NONE	-3.	0.0000
CP532051	532501	2	NONE	NONE	-3.	0.0000
CP010381	511501	2	NONE	NONE	-3.	0.0000
CP511501	532601	6		NONE		0.0000
CP532601	CON157	6		NONE		0.0020
CP532631	CON157	6		401041		0.0000
CP532632	CON157	6		NONE		0.0000
CP532633	CON157	6		NONE		0.0000
CP532645	OUT	2	NONE	NONE	-3.	0.0000
CP532644	OUT	2	NONE	NONE	-3.	0.0000
CP532647	OUT	2	NONE	NONE	-3.	0.0000
CP532642	OUT	2	NONE	NONE	-3.	0.0000
CP532643	OUT	2	NONE	NONE	-3.	0.0000
CP532641	OUT	2	NONE	NONE	-3.	0.0000
CP532646	OUT	2	NONE	NONE	-3.	0.0000
CPCON157	BRR072	6		NONE		0.0010
** FNI change - extend instream flows						
** Brazos River near Rosharon						
**CPBRR072	532701	1		NONE	-3.	0.0010
CPBRR072	ROSUBS	1		NONE	-3.	0.0010
CPROSUBS	RO-DRY	2	BRR072	NONE	-3.	
CPRO-DRY	RO-AVG	2	BRR072	NONE	-3.	
CPRO-AVG	RO-WET	2	BRR072	NONE	-3.	
CPRO-WET	RODPUL	2	BRR072	NONE	-3.	
CPRODPUL	ROASPL	2	BRR072	NONE	-3.	
CPROASPL	ROWSPL	2	BRR072	NONE	-3.	
CPROWSPL	532701	2	BRR072	NONE	-3.	0.0010
**						
CP000041	532701	2	NONE	NONE	-3.	0.0000
CP000042	532701	2	NONE	NONE	-3.	0.0000
CP000043	532701	2	NONE	NONE	-3.	0.0000
CP532701	532801	6		NONE		0.0030
CP549201	549231	6		NONE		0.0000
CP532801	536601	6		NONE		0.0000
CP536501	CON158	6		NONE		0.0010
CP536601	P41051	6		NONE		0.0020
CPP41051	536501	6		NONE		0.0010
CP536531	CON158	6		401041		0.0000
CP410541	OUT	2	NONE	401041	-3.	0.0000
CP536542	OUT	2	NONE	NONE	-3.	0.0000

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CP536541	OUT	2	NONE	401041	-3.	0.0000
CP532841	OUT	2	NONE		-3.	0.0000
CP549231	CON158	6				0.0000
CPCON158	532901	6		NONE		0.0020
CP103121	532901	2	NONE	NONE	-3.	0.0000
CP532901	533001	6		NONE		0.0000
CP533001	WL2012	6		NONE		0.0000
CPW12012	532802	6		NONE		0.0000
CP532941	OUT	2	NONE	401041	-3.	0.0000
CP533041	OUT	2	NONE	401041	-3.	0.0000
CP532802	536602	6		NONE		0.0000
CP532851	532804	2	NONE	NONE	-3.	0.0000
CP532842	OUT	2	NONE		-3.	0.0000
CP532862	OUT	2	NONE	NONE	-3.	0.0000
CP532863	OUT	2	NONE	NONE	-3.	0.0000
CP532854	532804	2	NONE	NONE	-3.	0.0000
CP532804	532831	6		NONE		0.0000
CP536651	532804	2	NONE	NONE	-3.	0.0000
CP536652	532804	2	NONE	NONE	-3.	0.0000
CP532852	532804	2	NONE	NONE	-3.	0.0000
CP536654	532804	2	NONE	NONE	-3.	0.0000
** FNI change - Bryan and College Station reuse						
**CPCON238	533201	6		NONE		0.0040
CPCON238	591201	6		NONE		0.0030
CP591201	533201	6		NONE		0.0010
**						
CP536602	CON238	6		NONE		0.0020
CP532831	CON238	6		401041		0.0000
CP100471	533201	2	NONE	NONE	-3.	0.0000
CP000074	533201	2	NONE	NONE	-3.	0.0000
CP000072	533201	2	NONE	NONE	-3.	0.0000
CP000073	533201	2	NONE	NONE	-3.	0.0000
CP000071	533201	2	NONE	NONE	-3.	0.0000
CP108821	533201	2	NONE	NONE	-3.	0.0000
CP018522	533201	2	NONE	NONE	-3.	0.0000
CP533201	WL2011	6		NONE		0.0010
CPW12011	BRGM73	6		NONE		0.0000
CPBRGM73	OUT	1		NONE	-3.	0.0000
CP532531	511501	6				0.0000
CP532505	532531	6		NONE		0.0000
CP517351	511501	2	NONE	NONE	-3.	0.0000
CP102582	511501	2	NONE	NONE	-3.	0.0000
CP133551	010384	2	NONE	NONE	-3.	0.0000
CP141401	511501	2	NONE	NONE	-3.	0.0000
CPW12091	CON147	6		NONE		0.0000
CPW12452	CON237	6		NONE		0.0000
CP030151	517031	2	NONE	NONE	-3.	0.0000
CP516852	517031	2	NONE	NONE	-3.	0.0000
CP516751	517031	2	NONE	NONE	-3.	0.0000
CP517031	516931	6		401041		0.0000
CP516931	517032	6		NONE		0.0000
CP517032	516932	6		NONE		0.0000
CP516932	517033	6		NONE		0.0000
CP517033	516933	6		NONE		0.0000
CP516933	517034	6		NONE		0.0000
CP517034	516934	6		NONE		0.0000
CP516934	004421	6		NONE		0.0000
CP517007	517035	6		NONE		0.0000
CP004421	018931	2	NONE	NONE	-3.	0.0000
CP018931	004422	2	NONE	NONE	-3.	0.0000
CP004422	517007	2	NONE	NONE	-3.	0.0000
CP517035	516935	6		NONE		0.0000
CP516935	517037	6		NONE		0.0000
CP517036	516936	6		NONE		0.0000
CP516936	517037	6		NONE		0.0000
CP517037	516937	6		401041		0.0000
CP516937	516901	6		NONE		0.0000
CP516901	533601	6		401041		0.0000
CP533501	533531	6		NONE		0.0000
CP533531	533601	6		401041		0.0000
CP533601	533502	6		NONE		0.0000
CP533502	533532	6		NONE		0.0000
CP533641	OUT	2	NONE	NONE	-3.	0.0000
CP533642	OUT	2	NONE	401041	-3.	0.0000
CP533741	OUT	2	NONE	401041	-3.	0.0000
CP533532	110461	6		NONE		0.0000
CP5365P1	138041	6		401041		0.0000
CP516851	OUT	2	NONE	NONE	-3.	0.0000
CP516752	OUT	2	NONE	NONE	-3.	0.0000
CP119991	138041	2	NONE	NONE	-3.	0.0000
CP532251	OUT	2	NONE	NONE	-3.	0.0000
CP532241	OUT	2	NONE	401041	-3.	0.0000
CP138041	536653	2	NONE	NONE	-3.	0.0000
CP532861	OUT	2	NONE	NONE	-3.	0.0000

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CP536661	OUT	2	NONE	NONE	-3.	0.0000
CP532853	533821	2	NONE	NONE	-3.	0.0000
CP536653	532853	2	NONE	NONE	-3.	0.0000
CP105481	533821	2	NONE	NONE	-3.	0.0000
CP533821	532803	6		NONE		0.0000
CP533841	OUT	2	NONE	401041	-3.	0.0000
CP537931	532803	6		401041		0.0000
CP532803	532832	6		NONE		0.0000
CP532832	536603	6		401041		0.0000
CP536603	536632	6		NONE		0.0000
CP536632	533811	6		NONE		0.0000
CP533811	100441	6		NONE		0.0000
CP100441	SJGMC4	2	NONE	NONE	-3.	0.0000
CP100861	110461	2	NONE	NONE	-3.	0.0000
CP110461	138041	2	NONE	NONE	-3.	0.0000
CP532242	OUT	2	NONE	401041	-3.	0.0000
CP420101	420153	6		NONE		0.0000
CP420153	420152	2	NONE	NONE	-3.	0.0000
CP420152	420102	2	NONE	NONE	-3.	0.0000
CP420102	420151	6		NONE		0.0000
CP420151	534401	2	NONE	NONE	-3.	0.0000
CP534401	P42211	6		NONE		0.0000
CP532243	OUT	2	NONE	401041	-3.	0.0000
CP534442	OUT	2	NONE	401041	-3.	0.0000
CP534441	OUT	2	NONE	NONE	-3.	0.0000
CP534445	OUT	2	NONE	NONE	-3.	0.0000
CP534444	OUT	2	NONE	NONE	-3.	0.0000
CP534443	OUT	2	NONE	NONE	-3.	0.0000
CPP42211	422131	6		NONE		0.0000
CP422131	422151	6		NONE		0.0000
CP422151	P40101	2	NONE	NONE	-3.	0.0000
CP422141	OUT	2	NONE	401041	-3.	0.0000
CP401041	OUT	2	NONE		-3.	0.0000
CP534541	OUT	2	NONE	401041	-3.	0.0000
CP534543	OUT	2	NONE	NONE	-3.	0.0000
CP534542	OUT	2	NONE	401041	-3.	0.0000
CP534544	OUT	2	NONE	NONE	-3.	0.0000
CPP40101	534501	6		NONE		0.0000
CP534501	525651	6		NONE		0.0000
CP525651	525601	2	NONE	NONE	-3.	0.0000
CP525642	OUT	2	NONE	401041	-3.	0.0000
CP525641	OUT	2	NONE	NONE	-3.	0.0000
CP525643	OUT	2	NONE	NONE	-3.	0.0000
CP525644	OUT	2	NONE	NONE	-3.	0.0000
CP031161	000011	2	NONE	NONE	-3.	0.0000
CP525601	534601	6		NONE		0.0000
CP534601	P42162	6		NONE		0.0000
CPP42162	525652	6		NONE		0.0000
CP421603	421651	6		NONE		0.0000
CP534701	534801	6		NONE		0.0000
CP534641	OUT	2	NONE	NONE	-3.	0.0000
CP525652	421603	2	NONE	NONE	-3.	0.0000
CP421651	534701	2	NONE	NONE	-3.	0.0000
CP421641	OUT	2	NONE	401041	-3.	0.0000
CP421642	OUT	2	NONE	NONE	-3.	0.0000
CP421643	OUT	2	NONE	NONE	-3.	0.0000
CPP42161	421631	6		NONE		0.0000
CP421631	421652	6		401041		0.0000
CP421652	534801	2	NONE	NONE	-3.	0.0000
CP421541	OUT	2	NONE	401041	-3.	0.0000
CP534801	P42151	6		NONE		0.0000
CPP42151	525653	6		NONE		0.0000
CP525653	421551	2	NONE	NONE	-3.	0.0000
CP421551	CON241	2	NONE	NONE	-3.	0.0000
CP506441	OUT	2	NONE	401041	-3.	0.0000
CP506442	OUT	2	NONE	NONE	-3.	0.0000
CP506443	OUT	2	NONE	NONE	-3.	0.0000
CP506444	OUT	2	NONE	NONE	-3.	0.0000
CP506404	506401	6		NONE		0.0000
CP506401	506402	6		NONE		0.0000
CP506402	P41321	6		NONE		0.0000
CP506403	P41321	6		NONE		0.0000
CP413241	OUT	2	NONE	401041	-3.	0.0000
CPP41321	534603	6		NONE		0.0000
CP534644	OUT	2	NONE	NONE	-3.	0.0000
CP534943	OUT	2	NONE	NONE	-3.	0.0000
CP534941	OUT	2	NONE	NONE	-3.	0.0000
CP534942	OUT	2	NONE	NONE	-3.	0.0000
CP534603	534902	6		NONE		0.0000
CP534902	534903	6		NONE		0.0000
CP534903	534931	6		NONE		0.0000
CP534931	534901	6		401041		0.0000
CP534944	OUT	2	NONE	401041	-3.	0.0000
CP534643	OUT	2	NONE	NONE	-3.	0.0000

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CP534642	OUT	2	NONE	401041	-3.	0.0000
CP534901	534602	6		NONE		0.0000
CP534602	534301	6		NONE		0.0000
CP534301	CON241	6		NONE		0.0000
CPCON241	535101	6		NONE		0.0000
CP502341	OUT	2	NONE	401041	-3.	0.0000
CP535142	OUT	2	NONE	NONE	-3.	0.0000
CP535141	OUT	2	NONE	401041	-3.	0.0000
CP535101	535201	6		NONE		0.0000
CP502301	535201	6		NONE		0.0000
CP502351	535201	2	NONE	NONE	-3.	0.0000
CP535201	CON243	6		NONE		0.0000
CP535247	OUT	2	NONE	NONE	-3.	0.0000
CP535246	OUT	2	NONE	NONE	-3.	0.0000
CP535242	OUT	2	NONE	NONE	-3.	0.0000
CP535241	OUT	2	NONE	NONE	-3.	0.0000
CP535245	OUT	2	NONE	NONE	-3.	0.0000
CP535243	OUT	2	NONE	401041	-3.	0.0000
CP535244	OUT	2	NONE	401041	-3.	0.0000
CP534341	OUT	2	NONE	401041	-3.	0.0000
CP534303	534302	6		NONE		0.0000
CP534302	534331	6		NONE		0.0000
CP534331	534304	6		401041		0.0000
CP534304	502302	6		NONE		0.0000
CP502302	502352	6		NONE		0.0000
CP502352	CON242	2	NONE	NONE	-3.	0.0000
CP502041	OUT	2	NONE	401041	-3.	0.0000
CP534241	OUT	2	NONE	401041	-3.	0.0000
CP502001	534121	6		NONE		0.0000
CP534121	534201	6		NONE		0.0000
CP534201	534111	6		NONE		0.0000
CP534111	CON242	6		NONE		0.0000
CPCON242	CON243	6		NONE		0.0000
CPCON243	SJGMC4	6		NONE		0.0000
CP535301	SJGMC4	6		NONE		0.0000
CP535341	OUT	2	NONE	NONE	-3.	0.0000
CP533931	534001	6		NONE		0.0000
CP534001	534002	6		NONE		0.0000
CP534002	SJGMC4	6		NONE		0.0000
CP534042	OUT	2	NONE	NONE	-3.	0.0000
CP534041	OUT	2	NONE	NONE	-3.	0.0000
CP535401	535501	6		NONE		0.0000
CP535501	CBALC2	6		NONE		0.0000
CP535541	OUT	2	NONE	401041	-3.	0.0000
CP535601	535701	6		NONE		0.0000
CP542901	013331	6		NONE		0.0000
CP535743	OUT	2	NONE	NONE	-3.	0.0000
CP532141	OUT	2	NONE	NONE	-3.	0.0000
CP000011	013331	2	NONE	NONE	-3.	0.0000
CP542941	OUT	2	NONE	NONE	-3.	0.0000
CP535841	OUT	2	NONE	NONE	-3.	0.0000
CP013331	SJGMC4	2	NONE	NONE	-3.	0.0000
CP535901	536001	6		NONE		0.0000
CP100051	535702	2	NONE	NONE	-3.	0.0000
CP536001	535702	6		NONE		0.0000
CP535702	SJGMC4	6		NONE		0.0000
CP535742	OUT	2	NONE	401041	-3.	0.0000
CP535741	OUT	2	NONE	401041	-3.	0.0000
CP535703	SJGMC4	6		NONE		0.0000
CP034161	557401	2	NONE	NONE	-3.	0.0000
CP034162	557401	2	NONE	NONE	-3.	0.0000
CP557401	536201	6		NONE		0.0000
CP536201	101731	6		NONE		0.0000
CP536231	536202	6		401041		0.0000
CP557441	OUT	2	NONE	401041	-3.	0.0000
CP536202	101731	6		NONE		0.0000
CP101731	SJGBC3	2	NONE	NONE	-3.	0.0000
CP516841	OUT	2	NONE		-3.	0.0000
CP106271	010501	2	NONE	NONE	-3.	0.0000
CP536303	SJGBC3	6		NONE		0.0000
CP536302	SJGBC3	6		NONE		0.0000
CP517851	540051	2	NONE	NONE	-3.	0.0000
CP010501	536351	2	NONE	NONE	-3.	0.0000
CP536351	SJGBC3	2	NONE	NONE	-3.	0.0000
CP536301	SJGBC3	6		NONE		0.0000
CP012631	SJGBC3	2	NONE	NONE	-3.	0.0000
CP103751	SJGBC3	2	NONE	NONE	-3.	0.0000
CP101741	SJGMC4	2	NONE	NONE	-3.	0.0000
CP106901	SJGMC4	2	NONE	NONE	-3.	0.0000
CP104101	SJGMC4	2	NONE	NONE	-3.	0.0000
CP010402	SJGMC4	2	NONE	NONE	-3.	0.0000
CP004432	SJGMC4	2	NONE	NONE	-3.	0.0000
CP004491	SJGMC4	2	NONE	NONE	-3.	0.0000
CP014851	SJGMC4	2	NONE	NONE	-3.	0.0000

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CP026701	SJGMC4	2	NONE	NONE	-3.	0.0000
CP004431	SJGMC4	2	NONE	NONE	-3.	0.0000
CP009901	SJGMC4	2	NONE	NONE	-3.	0.0000
CP005754	SJGMC4	2	NONE	NONE	-3.	0.0000
CP005752	SJGMC4	2	NONE	NONE	-3.	0.0000
CP005753	SJGMC4	2	NONE	NONE	-3.	0.0000
CP536101	SJGMC4	6		NONE		0.0000
CP536154	SJGMC4	2	NONE	NONE	-3.	0.0000
CP536153	SJGMC4	2	NONE	NONE	-3.	0.0000
CP536152	SJGMC4	2	NONE	NONE	-3.	0.0000
CP536151	SJGMC4	2	NONE	NONE	-3.	0.0000
CP101343	CLPEC1	2	NONE	NONE	-3.	0.0000
CP122951	CLPEC1	2	NONE	NONE	-3.	0.0000
CP536941	OUT	2	NONE	401041	-3.	0.0000
CPCLPEC1	536901	1		NONE		-3.0000
CP104952	536901	2	NONE	NONE	-3.	0.0000
CP536901	536951	6		NONE		0.0000
CP536951	536402	2	NONE	NONE	-3.	0.0000
CP536402	101341	6		NONE		0.0000
CP101341	536401	2	NONE	NONE	-3.	0.0000
CP536401	101342	6		NONE		0.0000
CP104951	115711	2	NONE	NONE	-3.	0.0000
CP115711	105685	2	NONE	NONE	-3.	0.0000
CP518301	105685	6		NONE		0.0000
CP518331	518301	6		401041		0.0000
CP105201	105685	2	NONE	NONE	-3.	0.0000
CP105685	535001	2	NONE	NONE	-3.	0.0000
CP010442	010441	2	NONE	NONE	-3.	0.0000
CP535002	010444	6		NONE		0.0000
CP010444	540051	2	NONE	NONE	-3.	0.0000
CP540001	010443	6		NONE		0.0000
CP517801	101731	6		NONE		0.0000
CP105391	010441	2	NONE	NONE	-3.	0.0000
CP535001	010443	6		NONE		0.0000
CP010443	105261	2	NONE	NONE	-3.	0.0000
CP105261	105262	2	NONE	NONE	-3.	0.0000
CP105262	010442	2	NONE	NONE	-3.	0.0000
CP540051	010442	2	NONE	NONE	-3.	0.0000
CP010441	SJGBC3	2	NONE	NONE	-3.	0.0000
CP106711	SJGBC3	2	NONE	NONE	-3.	0.0000
CP540041	OUT	2	NONE	NONE	-3.	0.0000
CP540042	OUT	2	NONE	NONE	-3.	0.0000
CP540045	OUT	2	NONE	NONE	-3.	0.0000
CP540044	OUT	2	NONE	NONE	-3.	0.0000
CP540043	OUT	2	NONE	NONE	-3.	0.0000
CP540046	OUT	2	NONE	401041	-3.	0.0000
CP523043	OUT	2	NONE	NONE	-3.	0.0000
CP523042	OUT	2	NONE	NONE	-3.	0.0000
CP523041	OUT	2	NONE	401041	-3.	0.0000
CP523001	010441	6		NONE		0.0000
CP559141	OUT	2	NONE	401041	-3.	0.0000
CP021821	559101	2	NONE	NONE	-3.	0.0000
CP029151	559101	2	NONE	NONE	-3.	0.0000
CP559101	010441	6		NONE		0.0000
CP010541	SJGBC3	2	NONE	NONE	-3.	0.0000
CP010281	SJGBC3	2	NONE	NONE	-3.	0.0000
CP102061	SJGBC3	2	NONE	NONE	-3.	0.0000
CP533403	SJGMC4	6		NONE		0.0000
CP533405	548501	6		NONE		0.0000
CP022161	548501	2	NONE	NONE	-3.	0.0000
CP018711	548501	2	NONE	NONE	-3.	0.0000
CP018714	548501	2	NONE	NONE	-3.	0.0000
CP018716	548501	2	NONE	NONE	-3.	0.0000
CP019611	548501	2	NONE	NONE	-3.	0.0000
CP018611	548501	2	NONE	NONE	-3.	0.0000
CP018061	548501	2	NONE	NONE	-3.	0.0000
CP018612	548501	2	NONE	NONE	-3.	0.0000
CP018781	548501	2	NONE	NONE	-3.	0.0000
CP533331	548501	6		NONE		0.0000
CP548501	533401	6		NONE		0.0000
CP533401	533402	6		NONE		0.0000
CP533402	548502	6		NONE		0.0000
CP548502	SJGMC4	6		NONE		0.0000
CP533404	533403	6		NONE		0.0000
CPSJGMC4	OUT	1		NONE		-3.0000
CPSJGBC3	OUT	1		NONE		-3.0000
CPIB4128	OUT	2	NONE	NONE	-3.	0.0000
CPIB5287	OUT	2	NONE	NONE	-3.	0.0000
CPIB5291	OUT	2	NONE	NONE	-3.	0.0000
CPD34583	W12311	6		345831		0.0000
CPD56771	OUT	2	NONE	NONE	-3.	0.0000
CPD53251	OUT	2	NONE	NONE	-3.	0.0000

**

** SysOp Change:

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```

** Dummy control point for modeling system operation
** PK :
CPSR5155   OUT          2  NONE  NONE  -3.  0.0000
CP5155DP   OUT          2  NONE  NONE  -3.  0.0000
** Granbury:
CPSR5156   OUT          2  NONE  NONE  -3.  0.0000
CP5156DP   OUT          2  NONE  NONE  -3.  0.0000
** Whitney:
CPSR5157   OUT          2  NONE  NONE  -3.  0.0000
CP5157DP   OUT          2  NONE  NONE  -3.  0.0000
** Aquila:
CPSR5158   OUT          2  NONE  NONE  -3.  0.0000
CP5158DP   OUT          2  NONE  NONE  -3.  0.0000
** Proctor:
CPSR5159   OUT          2  NONE  NONE  -3.  0.0000
CP5159DP   OUT          2  NONE  NONE  -3.  0.0000
** Belton:
CPSR5160   OUT          2  NONE  NONE  -3.  0.0000
CP5160DP   OUT          2  NONE  NONE  -3.  0.0000
** Stillhouse Hollow:
CPSR5161   OUT          2  NONE  NONE  -3.  0.0000
CP5161DP   OUT          2  NONE  NONE  -3.  0.0000
** Georgetown:
CPSR5162   OUT          2  NONE  NONE  -3.  0.0000
CP5162DP   OUT          2  NONE  NONE  -3.  0.0000
** Granger:
CPSR5163   OUT          2  NONE  NONE  -3.  0.0000
CP5163DP   OUT          2  NONE  NONE  -3.  0.0000
** Somerville:
CPSR5164   OUT          2  NONE  NONE  -3.  0.0000
CP5164DP   OUT          2  NONE  NONE  -3.  0.0000
** Limestone:
CPSR5165   OUT          2  NONE  NONE  -3.  0.0000
CP5165DP   OUT          2  NONE  NONE  -3.  0.0000
** Allens creek:
CPSR2925   OUT          2  NONE  NONE  -3.  0.0000
CP2925DP   OUT          2  NONE  NONE  -3.  0.0000
**
CPBIGFLO   OUT          2  NONE  NONE  -3.  0.0000
CPPK_dum   OUT          2  NONE  NONE  -3.  0.0000  1          9999999
CPGB_dum   OUT          2  NONE  NONE  -3.  0.0000  1          9999999
CPRR_dum   OUT          2  NONE  NONE  -3.  0.0000  1          9999999
CPWH_dum   OUT          2  NONE  NONE  -3.  0.0000  1          9999999
CPAQ_dum   OUT          2  NONE  NONE  -3.  0.0000  1          9999999
CPBE_dum   OUT          2  NONE  NONE  -3.  0.0000  1          9999999
CPSH_dum   OUT          2  NONE  NONE  -3.  0.0000  1          9999999
CPGT_dum   OUT          2  NONE  NONE  -3.  0.0000  1          9999999
CPGR_dum   OUT          2  NONE  NONE  -3.  0.0000  1          9999999
CPSO_dum   OUT          2  NONE  NONE  -3.  0.0000  1          9999999
CPLS_dum   OUT          2  NONE  NONE  -3.  0.0000  1          9999999
CPAC_dum   OUT          2  NONE  NONE  -3.  0.0000  1          9999999
** Pipelines
CPSHGTP1   OUT          2  NONE  NONE  -3.  0.0000
CPDUMBEL   OUT          2  NONE  NONE  -3.  0.0000
CPGNGTPI   OUT          2  NONE  NONE  -3.  0.0000
** dummy control points for Lake Alcoa & Gibbons Creek backup
CPAL_DUM   OUT          2  NONE  NONE  -3.  0.0000
CPGIBLIM   OUT          2  NONE  NONE  -3.  0.0000
CPDUMGIB   OUT          2  NONE  NONE  -3.  0.0000
**
** dummy for Allens Creek monthly pumping limit
CPAC_LIM   OUT          2  NONE  NONE  -3.  0.0000
**
** EFLOW CPS DOUBLE MOUNTAIN FORK
CPFAKE01   OUT          2  NONE  NONE  -3.
CPFKDM01   OUT          2  NONE  NONE  -3.
CPFKDM02   OUT          2  NONE  NONE  -3.
CPFKDM03   OUT          2  NONE  NONE  -3.
CPFKDM04   OUT          2  NONE  NONE  -3.
CPFKDM05   OUT          2  NONE  NONE  -3.
CPFKDM06   OUT          2  NONE  NONE  -3.
CPFKDM07   OUT          2  NONE  NONE  -3.
CPFKDM08   OUT          2  NONE  NONE  -3.
CPFKDM09   OUT          2  NONE  NONE  -3.
CPFKDM10   OUT          2  NONE  NONE  -3.
CPFKDM11   OUT          2  NONE  NONE  -3.
CPFKDM12   OUT          2  NONE  NONE  -3.
CPDMPND    OUT          2  NONE  NONE  -3.
CPDMPND    OUT          2  NONE  NONE  -3.
CPDMWFND   OUT          2  NONE  NONE  -3.
CPDAYSPY   OUT          2  NONE  NONE  -3.
CP_HALF    OUT          2  NONE  NONE  -3.
**
CPUP-DRY   OUT          2  NONE  NONE  -3.

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CPUP-AVG	OUT	2	NONE	NONE	-3.
CPUP-WET	OUT	2	NONE	NONE	-3.
CPMIDDRY	OUT	2	NONE	NONE	-3.
CPMIDAVG	OUT	2	NONE	NONE	-3.
CPMIDWET	OUT	2	NONE	NONE	-3.
CPLOWDRY	OUT	2	NONE	NONE	-3.
CPLOWAVG	OUT	2	NONE	NONE	-3.
CPLOWWET	OUT	2	NONE	NONE	-3.
CPDMNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS SALT FORK NEAR ASPERMONT					
CPFAKE02	OUT	2	NONE	NONE	-3.
CPFKSF01	OUT	2	NONE	NONE	-3.
CPFKSF02	OUT	2	NONE	NONE	-3.
CPFKSF03	OUT	2	NONE	NONE	-3.
CPFKSF04	OUT	2	NONE	NONE	-3.
CPFKSF05	OUT	2	NONE	NONE	-3.
CPFKSF06	OUT	2	NONE	NONE	-3.
CPFKSF07	OUT	2	NONE	NONE	-3.
CPFKSF08	OUT	2	NONE	NONE	-3.
CPFKSF09	OUT	2	NONE	NONE	-3.
CPFKSF10	OUT	2	NONE	NONE	-3.
CPFKSF11	OUT	2	NONE	NONE	-3.
CPFKSF12	OUT	2	NONE	NONE	-3.
CPSFDEND	OUT	2	NONE	NONE	-3.
CPSFAPND	OUT	2	NONE	NONE	-3.
CPSFWPND	OUT	2	NONE	NONE	-3.
CPSFNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT SEYMOUR					
CPFAKE03	OUT	2	NONE	NONE	-3.
CPFKSM01	OUT	2	NONE	NONE	-3.
CPFKSM02	OUT	2	NONE	NONE	-3.
CPFKSM03	OUT	2	NONE	NONE	-3.
CPFKSM04	OUT	2	NONE	NONE	-3.
CPFKSM05	OUT	2	NONE	NONE	-3.
CPFKSM06	OUT	2	NONE	NONE	-3.
CPFKSM07	OUT	2	NONE	NONE	-3.
CPFKSM08	OUT	2	NONE	NONE	-3.
CPFKSM09	OUT	2	NONE	NONE	-3.
CPFKSM10	OUT	2	NONE	NONE	-3.
CPFKSM11	OUT	2	NONE	NONE	-3.
CPFKSM12	OUT	2	NONE	NONE	-3.
CPSMDFND	OUT	2	NONE	NONE	-3.
CPSMAFND	OUT	2	NONE	NONE	-3.
CPSMWFND	OUT	2	NONE	NONE	-3.
CPSMNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS CLEAR FORK AT NUGENT					
CPFAKE04	OUT	2	NONE	NONE	-3.
CPFKNU01	OUT	2	NONE	NONE	-3.
CPFKNU02	OUT	2	NONE	NONE	-3.
CPFKNU03	OUT	2	NONE	NONE	-3.
CPFKNU04	OUT	2	NONE	NONE	-3.
CPFKNU05	OUT	2	NONE	NONE	-3.
CPFKNU06	OUT	2	NONE	NONE	-3.
CPFKNU07	OUT	2	NONE	NONE	-3.
CPFKNU08	OUT	2	NONE	NONE	-3.
CPFKNU09	OUT	2	NONE	NONE	-3.
CPFKNU10	OUT	2	NONE	NONE	-3.
CPFKNU11	OUT	2	NONE	NONE	-3.
CPFKNU12	OUT	2	NONE	NONE	-3.
CPFKNU13	OUT	2	NONE	NONE	-3.
CPNUDFND	OUT	2	NONE	NONE	-3.
CPNUAFND	OUT	2	NONE	NONE	-3.
CPNUWFND	OUT	2	NONE	NONE	-3.
CPNUNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS CLEAR FORK AT LUEDERS					
CPFAKE05	OUT	2	NONE	NONE	-3.
CPFKLU01	OUT	2	NONE	NONE	-3.
CPFKLU02	OUT	2	NONE	NONE	-3.
CPFKLU03	OUT	2	NONE	NONE	-3.
CPFKLU04	OUT	2	NONE	NONE	-3.
CPFKLU05	OUT	2	NONE	NONE	-3.
CPFKLU06	OUT	2	NONE	NONE	-3.
CPFKLU07	OUT	2	NONE	NONE	-3.
CPFKLU08	OUT	2	NONE	NONE	-3.
CPFKLU09	OUT	2	NONE	NONE	-3.
CPFKLU10	OUT	2	NONE	NONE	-3.
CPFKLU11	OUT	2	NONE	NONE	-3.
CPFKLU12	OUT	2	NONE	NONE	-3.
CPFKLU13	OUT	2	NONE	NONE	-3.
CPLUDFND	OUT	2	NONE	NONE	-3.
CPLUAFND	OUT	2	NONE	NONE	-3.
CPLUWFND	OUT	2	NONE	NONE	-3.
CPLUNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT SOUTH BEND					

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CPFAKE06	OUT	2	NONE	NONE	-3.
CPFKSB01	OUT	2	NONE	NONE	-3.
CPFKSB02	OUT	2	NONE	NONE	-3.
CPFKSB03	OUT	2	NONE	NONE	-3.
CPFKSB04	OUT	2	NONE	NONE	-3.
CPFKSB05	OUT	2	NONE	NONE	-3.
CPFKSB06	OUT	2	NONE	NONE	-3.
CPFKSB07	OUT	2	NONE	NONE	-3.
CPFKSB08	OUT	2	NONE	NONE	-3.
CPFKSB09	OUT	2	NONE	NONE	-3.
CPFKSB10	OUT	2	NONE	NONE	-3.
CPFKSB11	OUT	2	NONE	NONE	-3.
CPFKSB12	OUT	2	NONE	NONE	-3.
CPSBDFND	OUT	2	NONE	NONE	-3.
CPSBAFND	OUT	2	NONE	NONE	-3.
CPSBWFND	OUT	2	NONE	NONE	-3.
CPSBNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT PALO PINTO					
CPFAKE07	OUT	2	NONE	NONE	-3.
CPFKPP01	OUT	2	NONE	NONE	-3.
CPFKPP02	OUT	2	NONE	NONE	-3.
CPFKPP03	OUT	2	NONE	NONE	-3.
CPFKPP04	OUT	2	NONE	NONE	-3.
CPFKPP05	OUT	2	NONE	NONE	-3.
CPFKPP06	OUT	2	NONE	NONE	-3.
CPFKPP07	OUT	2	NONE	NONE	-3.
CPFKPP08	OUT	2	NONE	NONE	-3.
CPFKPP09	OUT	2	NONE	NONE	-3.
CPFKPP10	OUT	2	NONE	NONE	-3.
CPFKPP11	OUT	2	NONE	NONE	-3.
CPFKPP12	OUT	2	NONE	NONE	-3.
CPFKPP13	OUT	2	NONE	NONE	-3.
CPFKPP14	OUT	2	NONE	NONE	-3.
CPFKPP15	OUT	2	NONE	NONE	-3.
CPFKPP16	OUT	2	NONE	NONE	-3.
CPFKPP17	OUT	2	NONE	NONE	-3.
CPFKPP18	OUT	2	NONE	NONE	-3.
CPFKPP19	OUT	2	NONE	NONE	-3.
CPFKPP20	OUT	2	NONE	NONE	-3.
CPFKPP21	OUT	2	NONE	NONE	-3.
CPPDPFND	OUT	2	NONE	NONE	-3.
CPPPASPD	OUT	2	NONE	NONE	-3.
CPPPALPD	OUT	2	NONE	NONE	-3.
CPPPWSPD	OUT	2	NONE	NONE	-3.
CPPPWLPD	OUT	2	NONE	NONE	-3.
CPPPNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT GLEN ROSE					
CPFAKE08	OUT	2	NONE	NONE	-3.
CPFKGR01	OUT	2	NONE	NONE	-3.
CPFKGR02	OUT	2	NONE	NONE	-3.
CPFKGR03	OUT	2	NONE	NONE	-3.
CPFKGR04	OUT	2	NONE	NONE	-3.
CPFKGR05	OUT	2	NONE	NONE	-3.
CPFKGR06	OUT	2	NONE	NONE	-3.
CPFKGR07	OUT	2	NONE	NONE	-3.
CPFKGR08	OUT	2	NONE	NONE	-3.
CPFKGR09	OUT	2	NONE	NONE	-3.
CPFKGR10	OUT	2	NONE	NONE	-3.
CPFKGR11	OUT	2	NONE	NONE	-3.
CPFKGR12	OUT	2	NONE	NONE	-3.
CPFKGR13	OUT	2	NONE	NONE	-3.
CPFKGR14	OUT	2	NONE	NONE	-3.
CPFKGR15	OUT	2	NONE	NONE	-3.
CPFKGR16	OUT	2	NONE	NONE	-3.
CPFKGR17	OUT	2	NONE	NONE	-3.
CPFKGR18	OUT	2	NONE	NONE	-3.
CPFKGR19	OUT	2	NONE	NONE	-3.
CPFKGR20	OUT	2	NONE	NONE	-3.
CPFKGR21	OUT	2	NONE	NONE	-3.
CPGRDFND	OUT	2	NONE	NONE	-3.
CPGRASPD	OUT	2	NONE	NONE	-3.
CPGRALPD	OUT	2	NONE	NONE	-3.
CPGRWSPD	OUT	2	NONE	NONE	-3.
CPGRWLPD	OUT	2	NONE	NONE	-3.
CPGRNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS NORTH BOSQUE NEAR CLIFTON					
CPFAKE09	OUT	2	NONE	NONE	-3.
CPFKNB01	OUT	2	NONE	NONE	-3.
CPFKNB02	OUT	2	NONE	NONE	-3.
CPFKNB03	OUT	2	NONE	NONE	-3.
CPFKNB04	OUT	2	NONE	NONE	-3.
CPFKNB05	OUT	2	NONE	NONE	-3.
CPFKNB06	OUT	2	NONE	NONE	-3.
CPFKNB07	OUT	2	NONE	NONE	-3.

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CPFKNB08	OUT	2	NONE	NONE	-3.
CPFKNB09	OUT	2	NONE	NONE	-3.
CPFKNB10	OUT	2	NONE	NONE	-3.
CPFKNB11	OUT	2	NONE	NONE	-3.
CPFKNB12	OUT	2	NONE	NONE	-3.
CPFKNB13	OUT	2	NONE	NONE	-3.
CPNBDFND	OUT	2	NONE	NONE	-3.
CPNBAPND	OUT	2	NONE	NONE	-3.
CPNBWFND	OUT	2	NONE	NONE	-3.
CPBNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT WACO					
CPFAKE10	OUT	2	NONE	NONE	-3.
CPFKWA01	OUT	2	NONE	NONE	-3.
CPFKWA02	OUT	2	NONE	NONE	-3.
CPFKWA03	OUT	2	NONE	NONE	-3.
CPFKWA04	OUT	2	NONE	NONE	-3.
CPFKWA05	OUT	2	NONE	NONE	-3.
CPFKWA06	OUT	2	NONE	NONE	-3.
CPFKWA07	OUT	2	NONE	NONE	-3.
CPFKWA08	OUT	2	NONE	NONE	-3.
CPFKWA09	OUT	2	NONE	NONE	-3.
CPFKWA10	OUT	2	NONE	NONE	-3.
CPFKWA11	OUT	2	NONE	NONE	-3.
CPFKWA12	OUT	2	NONE	NONE	-3.
CPFKWA13	OUT	2	NONE	NONE	-3.
CPWADFND	OUT	2	NONE	NONE	-3.
CPWAASPD	OUT	2	NONE	NONE	-3.
CPWAWSPD	OUT	2	NONE	NONE	-3.
CPWANOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS LEON RIVER AT GATESVILLE					
CPFAKE11	OUT	2	NONE	NONE	-3.
CPFKGT01	OUT	2	NONE	NONE	-3.
CPFKGT02	OUT	2	NONE	NONE	-3.
CPFKGT03	OUT	2	NONE	NONE	-3.
CPFKGT04	OUT	2	NONE	NONE	-3.
CPFKGT05	OUT	2	NONE	NONE	-3.
CPFKGT06	OUT	2	NONE	NONE	-3.
CPFKGT07	OUT	2	NONE	NONE	-3.
CPFKGT08	OUT	2	NONE	NONE	-3.
CPFKGT09	OUT	2	NONE	NONE	-3.
CPFKGT10	OUT	2	NONE	NONE	-3.
CPFKGT11	OUT	2	NONE	NONE	-3.
CPFKGT12	OUT	2	NONE	NONE	-3.
CPFKGT13	OUT	2	NONE	NONE	-3.
CPGTFDND	OUT	2	NONE	NONE	-3.
CPGTASPD	OUT	2	NONE	NONE	-3.
CPGTWSPD	OUT	2	NONE	NONE	-3.
CPGTNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS LAMPASAS RIVER NEAR KEMPNER					
CPFAKE12	OUT	2	NONE	NONE	-3.
CPFKLA01	OUT	2	NONE	NONE	-3.
CPFKLA02	OUT	2	NONE	NONE	-3.
CPFKLA03	OUT	2	NONE	NONE	-3.
CPFKLA04	OUT	2	NONE	NONE	-3.
CPFKLA05	OUT	2	NONE	NONE	-3.
CPFKLA06	OUT	2	NONE	NONE	-3.
CPFKLA07	OUT	2	NONE	NONE	-3.
CPFKLA08	OUT	2	NONE	NONE	-3.
CPFKLA09	OUT	2	NONE	NONE	-3.
CPFKLA10	OUT	2	NONE	NONE	-3.
CPFKLA11	OUT	2	NONE	NONE	-3.
CPFKLA12	OUT	2	NONE	NONE	-3.
CPFKLA13	OUT	2	NONE	NONE	-3.
CPLADFND	OUT	2	NONE	NONE	-3.
CPLAAPND	OUT	2	NONE	NONE	-3.
CPLAWFND	OUT	2	NONE	NONE	-3.
CPLANOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS LITTLE RIVER NEAR LITTLE RIVER					
CPFAKE13	OUT	2	NONE	NONE	-3.
CPFKLR01	OUT	2	NONE	NONE	-3.
CPFKLR02	OUT	2	NONE	NONE	-3.
CPFKLR03	OUT	2	NONE	NONE	-3.
CPFKLR04	OUT	2	NONE	NONE	-3.
CPFKLR05	OUT	2	NONE	NONE	-3.
CPFKLR06	OUT	2	NONE	NONE	-3.
CPFKLR07	OUT	2	NONE	NONE	-3.
CPFKLR08	OUT	2	NONE	NONE	-3.
CPFKLR09	OUT	2	NONE	NONE	-3.
CPFKLR10	OUT	2	NONE	NONE	-3.
CPFKLR11	OUT	2	NONE	NONE	-3.
CPFKLR12	OUT	2	NONE	NONE	-3.
CPFKLR13	OUT	2	NONE	NONE	-3.
CPLRDFND	OUT	2	NONE	NONE	-3.
CPLRASPD	OUT	2	NONE	NONE	-3.

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CPLRWSPD	OUT	2	NONE	NONE	-3.
CPLRNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS LITTLE RIVER NEAR CAMERON					
CPFAKE14	OUT	2	NONE	NONE	-3.
CPFKCA01	OUT	2	NONE	NONE	-3.
CPFKCA02	OUT	2	NONE	NONE	-3.
CPFKCA03	OUT	2	NONE	NONE	-3.
CPFKCA04	OUT	2	NONE	NONE	-3.
CPFKCA05	OUT	2	NONE	NONE	-3.
CPFKCA06	OUT	2	NONE	NONE	-3.
CPFKCA07	OUT	2	NONE	NONE	-3.
CPFKCA08	OUT	2	NONE	NONE	-3.
CPFKCA09	OUT	2	NONE	NONE	-3.
CPFKCA10	OUT	2	NONE	NONE	-3.
CPFKCA11	OUT	2	NONE	NONE	-3.
CPFKCA12	OUT	2	NONE	NONE	-3.
CPFKCA13	OUT	2	NONE	NONE	-3.
CPCADPND	OUT	2	NONE	NONE	-3.
CPCAASPD	OUT	2	NONE	NONE	-3.
CPCAWSPD	OUT	2	NONE	NONE	-3.
CPCANOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT BRYAN					
CPFAKE15	OUT	2	NONE	NONE	-3.
CPFKBR01	OUT	2	NONE	NONE	-3.
CPFKBR02	OUT	2	NONE	NONE	-3.
CPFKBR03	OUT	2	NONE	NONE	-3.
CPFKBR04	OUT	2	NONE	NONE	-3.
CPFKBR05	OUT	2	NONE	NONE	-3.
CPFKBR06	OUT	2	NONE	NONE	-3.
CPFKBR07	OUT	2	NONE	NONE	-3.
CPFKBR08	OUT	2	NONE	NONE	-3.
CPFKBR09	OUT	2	NONE	NONE	-3.
CPFKBR10	OUT	2	NONE	NONE	-3.
CPFKBR11	OUT	2	NONE	NONE	-3.
CPFKBR12	OUT	2	NONE	NONE	-3.
CPFKBR13	OUT	2	NONE	NONE	-3.
CPBRDPND	OUT	2	NONE	NONE	-3.
CPBRASPD	OUT	2	NONE	NONE	-3.
CPBRWSPD	OUT	2	NONE	NONE	-3.
CPBRNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS NAVASOTA RIVER NEAR EASTERLY					
CPFAKE16	OUT	2	NONE	NONE	-3.
CPFKEA01	OUT	2	NONE	NONE	-3.
CPFKEA02	OUT	2	NONE	NONE	-3.
CPFKEA03	OUT	2	NONE	NONE	-3.
CPFKEA04	OUT	2	NONE	NONE	-3.
CPFKEA05	OUT	2	NONE	NONE	-3.
CPFKEA06	OUT	2	NONE	NONE	-3.
CPFKEA07	OUT	2	NONE	NONE	-3.
CPFKEA08	OUT	2	NONE	NONE	-3.
CPFKEA09	OUT	2	NONE	NONE	-3.
CPFKEA10	OUT	2	NONE	NONE	-3.
CPFKEA11	OUT	2	NONE	NONE	-3.
CPFKEA12	OUT	2	NONE	NONE	-3.
CPFKEA13	OUT	2	NONE	NONE	-3.
CPEADPND	OUT	2	NONE	NONE	-3.
CPEAASPD	OUT	2	NONE	NONE	-3.
CPEAWSPD	OUT	2	NONE	NONE	-3.
CPEANOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT HEMPSTEAD					
CPFAKE17	OUT	2	NONE	NONE	-3.
CPFKHE01	OUT	2	NONE	NONE	-3.
CPFKHE02	OUT	2	NONE	NONE	-3.
CPFKHE03	OUT	2	NONE	NONE	-3.
CPFKHE04	OUT	2	NONE	NONE	-3.
CPFKHE05	OUT	2	NONE	NONE	-3.
CPFKHE06	OUT	2	NONE	NONE	-3.
CPFKHE07	OUT	2	NONE	NONE	-3.
CPFKHE08	OUT	2	NONE	NONE	-3.
CPFKHE09	OUT	2	NONE	NONE	-3.
CPFKHE10	OUT	2	NONE	NONE	-3.
CPFKHE11	OUT	2	NONE	NONE	-3.
CPFKHE12	OUT	2	NONE	NONE	-3.
CPFKHE13	OUT	2	NONE	NONE	-3.
CPHEDPND	OUT	2	NONE	NONE	-3.
CPHEASPD	OUT	2	NONE	NONE	-3.
CPHEWSPD	OUT	2	NONE	NONE	-3.
CPHENOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT RICHMOND					
CPFAKE18	OUT	2	NONE	NONE	-3.
CPFKRC01	OUT	2	NONE	NONE	-3.
CPFKRC02	OUT	2	NONE	NONE	-3.
CPFKRC03	OUT	2	NONE	NONE	-3.
CPFKRC04	OUT	2	NONE	NONE	-3.

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CPFKRC05	OUT	2	NONE	NONE	-3.
CPFKRC06	OUT	2	NONE	NONE	-3.
CPFKRC07	OUT	2	NONE	NONE	-3.
CPFKRC08	OUT	2	NONE	NONE	-3.
CPFKRC09	OUT	2	NONE	NONE	-3.
CPFKRC10	OUT	2	NONE	NONE	-3.
CPFKRC11	OUT	2	NONE	NONE	-3.
CPFKRC12	OUT	2	NONE	NONE	-3.
CPFKRC13	OUT	2	NONE	NONE	-3.
CPRCDPND	OUT	2	NONE	NONE	-3.
CPRCASP	OUT	2	NONE	NONE	-3.
CPRCWSPD	OUT	2	NONE	NONE	-3.
CPRCNOSB	OUT	2	NONE	NONE	-3.
** EFLOW CPS BRAZOS AT ROSHARON					
CPFAKE19	OUT	2	NONE	NONE	-3.
CPFKRO01	OUT	2	NONE	NONE	-3.
CPFKRO02	OUT	2	NONE	NONE	-3.
CPFKRO03	OUT	2	NONE	NONE	-3.
CPFKRO04	OUT	2	NONE	NONE	-3.
CPFKRO05	OUT	2	NONE	NONE	-3.
CPFKRO06	OUT	2	NONE	NONE	-3.
CPFKRO07	OUT	2	NONE	NONE	-3.
CPFKRO08	OUT	2	NONE	NONE	-3.
CPFKRO09	OUT	2	NONE	NONE	-3.
CPFKRO10	OUT	2	NONE	NONE	-3.
CPFKRO11	OUT	2	NONE	NONE	-3.
CPFKRO12	OUT	2	NONE	NONE	-3.
CPFKRO13	OUT	2	NONE	NONE	-3.
CPRDPND	OUT	2	NONE	NONE	-3.
CPROASP	OUT	2	NONE	NONE	-3.
CPROWSPD	OUT	2	NONE	NONE	-3.
CPRNOSB	OUT	2	NONE	NONE	-3.
CPHLDSB1	OUT	2	NONE	NONE	-3.
CPHLDSB2	OUT	2	NONE	NONE	-3.
** SB3 change (FNI) - add dummy CPs to record regulated flows 1 day senior to SB3 IFs					
CPDMDMAS	OUT	2	NONE	NONE	-3.
CPDMSFAS	OUT	2	NONE	NONE	-3.
CPDMBRSE	OUT	2	NONE	NONE	-3.
CPDMCFNU	OUT	2	NONE	NONE	-3.
CPDMCFLU	OUT	2	NONE	NONE	-3.
CPDMBRSE	OUT	2	NONE	NONE	-3.
CPDMBRPP	OUT	2	NONE	NONE	-3.
CPDMBRGR	OUT	2	NONE	NONE	-3.
CPDMNBCL	OUT	2	NONE	NONE	-3.
CPDMBRWA	OUT	2	NONE	NONE	-3.
CPDMLGT	OUT	2	NONE	NONE	-3.
CPDMLAKE	OUT	2	NONE	NONE	-3.
CPDMLRLR	OUT	2	NONE	NONE	-3.
CPDMLRCA	OUT	2	NONE	NONE	-3.
CPDMBRBR	OUT	2	NONE	NONE	-3.
CPDMNAEA	OUT	2	NONE	NONE	-3.
CPDMBRHE	OUT	2	NONE	NONE	-3.
CPDMBRI	OUT	2	NONE	NONE	-3.
CPDMBRRO	OUT	2	NONE	NONE	-3.
**					
** SysOp Change:					
** Populate some dummy control points with large flows					
CISR5155	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5156	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5157	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5158	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5159	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5160	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5161	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5162	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5163	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5164	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR5165	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
CISR2925	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999
** big flow for testing					
CIBIGFLO	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999

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** Amount subtracted from Gibbons Creek empty storage - arbitrarily set to this amount									
CIGIBLIM	4000	4000	4000	4000	4000	4000			
CI	4000	4000	4000	4000	4000	4000			
** Monthly pumping limit from Brazos for Allens Creek. Used to set target for Excess Flows diversion.									
CIAC_LIM	130680	130680	130680	130680	130680	130680			
CI	130680	130680	130680	130680	130680	130680			
** CI RECORDS									
** 2070 return flows - Sum of 25% of 2020 Discharge and 50% of increase based on county population projections									
CI100401	9.63	8.40	8.22	10.34	11.14	10.99	City of Breckenridge	10040.001	102
CI	7.54	6.96	6.51	8.37	6.98	6.91			
CI104871	20.82	21.41	21.78	23.87	27.00	28.97	City of Graham	10487.001	269
CI	21.87	21.31	20.53	19.65	21.70	20.10			
CI105851	3.78	3.74	4.77	7.10	6.06	3.92	City of Mineral Wells	10585.004	43
CI	2.15	1.89	1.74	2.32	2.93	2.61			
CI105852	33.77	33.06	40.97	45.07	54.50	42.76	City of Mineral Wells	10585.001	436
CI	29.95	28.92	27.28	28.47	37.21	34.05			
CI101782	20.47	16.51	19.72	26.67	35.95	29.87	City of Granbury	10178.002	347
CI	17.50	27.45	22.36	83.29	25.16	22.05			
CI106301	48.96	48.66	53.20	51.44	56.26	56.41	City of Hillsboro	10630.001	604
CI	48.66	47.79	50.56	48.37	46.91	46.77			
CI102902	46.06	47.62	56.93	72.55	105.15	80.13	City of Stephenville	10290.001	685
CI	46.68	45.81	47.10	46.32	46.85	43.80			
CI102191	18.91	12.49	20.85	19.36	23.76	21.10	City of McGregor	10219.002	199
CI	8.99	8.88	8.79	17.20	19.81	18.86			
CI101102	28.88	25.98	33.89	34.64	32.73	27.55	City of Marlin	10110.002	341
CI	23.33	27.23	24.15	25.89	27.98	28.77			
CI106371	2.03	1.93	2.12	1.17	3.23	3.33	City of Eastland	10637.001	30
CI	2.68	2.12	2.79	2.46	2.80	3.35			
CI100455	85.24	77.94	92.22	98.96	104.14	102.38	City of Copperas Cove	10045.005	1011
CI	70.45	73.02	66.97	70.06	85.21	84.42			
CI101761	41.26	42.83	44.50	47.38	49.60	48.71	City of Gatesville	10176.001	493
CI	33.83	36.00	31.61	32.86	42.66	41.76			
CI101761	98.03	97.54	102.35	104.79	106.47	108.01	City of Gatesville	10176.002	1206
CI	98.17	101.39	99.18	95.72	96.38	97.98			
CI022336	49.63	44.54	51.39	51.69	57.40	53.17	City of Copperas Cove	10045.004	538
CI	31.63	35.14	32.21	35.26	47.22	48.73			
CI102051	26.14	26.47	27.48	26.89	27.67	27.20	City of Lampasas	10205.002	306
CI	22.22	23.46	22.70	24.81	25.73	25.23			
CI100451	32.45	30.46	36.58	36.96	41.28	39.50	City of Copperas Cove	10045.003	386
CI	26.07	26.58	24.64	26.22	31.71	33.56			
CI101551	118.42	111.54	139.05	143.88	166.75	140.91	City of Harker Heights	10155.001	1500
CI	99.64	108.75	94.06	107.82	139.05	130.13			
CI103511	26.87	24.89	27.47	30.82	36.07	38.75	Bell County WCID#1	10351.001	396
CI	37.89	41.98	37.61	31.96	29.98	31.72			
CI103513	715.08	696.15	807.38	785.56	909.92	807.58	Bell County WCID#1	10351.002	8652
CI	640.73	638.41	590.52	621.03	722.61	717.01			
CI103513	142.63	137.70	139.61	156.92	173.76	158.51	Bell County WCID#1	14387.001	1638
CI	116.26	129.76	119.92	111.66	125.63	125.63			
CI104893	145.03	122.61	138.75	154.25	189.39	168.73	City of Georgetown	10489.002	1779
CI	136.13	156.38	147.62	140.82	140.88	138.41			
CI104892	146.86	136.84	148.13	141.37	161.00	139.64	City of Georgetown	10489.003	1685
CI	119.73	142.21	132.73	134.36	143.55	138.58			
CI100041	25.73	21.87	29.17	26.24	28.54	24.93	City of Cameron	10004.001	277
CI	19.04	20.76	17.97	18.07	22.10	22.59			
CI102641	119.22	118.01	136.86	154.14	159.55	147.22	BRA/LCRA BCRWSS West	10264.001	1654
CI	159.30	154.54	149.69	146.05	143.22	66.20			
CI102642	1573.15	1466.96	1551.64	1460.07	1629.88	1619.36	BRA/LCRA BCRWSS East	10264.002	18756
CI	1432.15	1631.24	1521.38	1563.52	1617.91	1688.73			
CI102991	181.83	155.50	204.91	193.11	233.29	180.25	City of Taylor	10299.001	2037
CI	137.23	159.47	139.15	132.08	154.79	165.38			
CI126441	97.65	89.97	98.71	98.92	122.80	106.05	City of Leander	12644.001	1172
CI	85.19	100.93	86.37	91.32	98.79	95.28			
CI100462	24.50	19.61	25.33	22.44	35.73	21.24	City of Hearne	10046.002	275
CI	15.77	24.20	19.22	20.41	21.83	24.72			
CI102311	7.44	6.42	7.44	6.74	8.22	6.60	City of Navasota	10231.001	295
CI	5.65	7.97	5.82	5.79	6.60	220.31			
CI103881	1.80	1.61	2.03	1.90	2.15	717.96	City of Brenham	10388.001	738
CI	1.65	2.06	1.65	1.68	1.61	1.90			
CI025851	22.81	25.74	28.07	28.74	31.33	25.99	Texas A&M University	2585.001	302
CI	22.79	24.80	23.19	26.66	25.97	15.91			
CI103851	31.64	28.06	34.55	35.15	35.39	35.23	City of Bellville	10385.002	379
CI	27.53	34.19	29.57	26.09	29.37	32.22			
CI106073	135.72	117.61	140.58	157.07	174.29	172.13	City of Rosenberg	10607.003	1790
CI	124.35	174.68	161.27	146.58	137.64	148.09			
CI112751	42.60	47.42	47.33	52.05	47.95	39.41	Prairie View A&M University	11275.002	541
CI	33.87	45.24	49.74	50.68	47.20	37.52			
CI106072	224.40	189.04	219.34	241.27	257.66	235.77	City of Rosenberg	10607.002	2692
CI	196.68	267.53	224.03	219.87	197.94	218.49			
CI102582	37.93	34.58	37.97	38.38	38.21	37.12	City of Richmond	10258.003	444
CI	35.13	41.83	35.58	35.71	35.01	36.53			
CI113171	530.40	474.08	518.57	531.47	554.84	516.43	BRA SLRSS	11317.001	6273
CI	489.24	621.31	520.21	501.27	496.92	518.24			
CI116551	98.07	92.84	97.91	106.42	109.49	104.82	Pecan Grove MUD	11655.001	1243
CI	100.11	128.22	104.58	103.70	96.03	100.82			

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

CI128331	265.46	248.22	267.28	276.42	291.01	280.66	City of Sugarland	12833.002	3252.5
CI	265.41	318.70	262.75	258.18	252.56	265.84			
CI128332	265.46	248.22	267.28	276.42	291.01	280.66	City of Sugarland	12833.003	3252.5
CI	265.41	318.70	262.75	258.18	252.56	265.84			
CI133551	121.79	114.00	122.29	126.20	131.13	127.54	Fort Bend MUD 106	13355.001	1503
CI	118.24	142.72	122.16	127.18	121.63	128.12			
CI136281	174.62	164.78	178.20	185.16	196.77	189.81	Fort Bend MUD 112	13628.001	2129
CI	173.13	210.44	166.99	159.50	167.68	161.93			
CI103121	77.88	59.88	86.05	95.98	83.43	128.66	City of West Columbia	10312.001	791
CI	34.47	49.59	42.99	40.60	39.72	51.76			
CI108821	87.73	59.87	79.42	87.02	82.98	84.39	City of Freeport	10882.001	972
CI	60.77	114.37	83.80	71.09	74.17	86.40			
CI105481	167.70	137.03	187.38	180.22	188.29	164.31	City of Angleton	10548.001	1896
CI	116.20	204.51	151.47	131.70	115.37	151.83			
CI102642	108.29	98.00	114.62	104.65	120.59	104.08	City of Hutto	11324.001	1218
CI	90.52	95.95	94.36	90.38	98.11	98.45			

** POPULATE EFLOWS CPS FOR DOUBLE MOUNTAIN NEAR ASPERMONT

CI HALF	2	2	2	2	2	2
CI	2	2	2	2	2	2
CIDMDPND	0	0	10	10	10	10
CI	9	9	9	9	0	0
CIDMAPND	0	0	10	10	10	10
CI	9	9	9	9	0	0
CIDMWPND	0	0	12	12	12	12
CI	12	12	12	12	0	0
CIFAKE01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM08	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM09	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM11	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKDM12	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIDMNOSB	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

** POPULATE EFLOWS CPS FOR SALT FORK NEAR ASPERMONT

CISFDPND	0	0	10	10	10	10
CI	8	8	8	8	0	0
CISFAPND	0	0	10	10	10	10
CI	8	8	8	8	0	0
CISFWPND	0	0	11	11	11	11
CI	10	10	10	10	0	0
CIFAKE02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF08	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF09	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF11	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKSF12	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

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CISFNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**
** POPULATE EFLWS CPS FOR BRAZOS AT SEYMOUR
CISMDPND 0 0 10 10 10 10
CI 8 8 8 8 0 0
CISMAPND 0 0 10 10 10 10
CI 8 8 8 8 0 0
CISMWPNPND 0 0 12 12 12 12
CI 11 11 11 11 0 0
CIFAKE03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSM12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CISMNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**
** POPULATE EFLWS CPS FOR CLEAR FORK AT NUGENT
CINUDPND 0 0 9 9 9 9
CI 8 8 8 8 0 0
CINUAPND 0 0 9 9 9 9
CI 8 8 8 8 0 0
CINUWPNPND 9 9 12 12 12 12
CI 12 12 12 12 9 9
CIFAKE04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNU13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CINUNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**
** POPULATE EFLWS CPS FOR CLEAR FORK AT LUEDERS
CILUDPND 0 0 2 2 2 2
CI 2 2 2 2 0 0
CILUAPND 0 0 2 2 2 2
CI 2 2 2 2 0 0
CILUWPNPND 9 9 9 9 9 9
CI 5 5 5 5 9 9
CIFAKE05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
    
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Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

```

CIFKLU01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLU02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLU03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLU04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLU05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLU06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLU07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLU08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLU09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLU10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLU11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLU12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLU13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CILUNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
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** POPULATE EFLOWS CPS FOR BRAZOS NEAR SOUTH BEND

```

CISBDFND 0 0 10 10 10 10
CI 8 8 8 8 0 0
CISBAFND 0 0 10 10 10 10
CI 8 8 8 8 0 0
CISBWFND 0 0 13 13 13 13
CI 11 11 11 11 0 0

```

```

CIFAKE06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSB01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSB02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSB03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSB04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSB05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSB06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSB07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSB08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSB09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSB10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSB11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKSB12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CISBNOB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**

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** POPULATE EFLOWS CPS FOR BRAZOS NEAR PALO PINTO

```

CIPDPDND 5 5 6 6 6 6
CI 6 6 6 6 5 5
CIPPASPD 5 5 6 6 6 6
CI 6 6 6 6 5 5
CIPPALPD 7 7 10 10 10 10
CI 9 9 9 9 7 7
CIPPWSPD 5 5 6 6 6 6
CI 6 6 6 6 5 5
CIPPWLPD 7 7 10 10 10 10
CI 9 9 9 9 7 7

```

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CIFAKE07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKPP01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKPP02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKPP03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

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Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

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CIFKGR17 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGR18 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGR19 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGR20 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGR21 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIGRNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

```

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** POPULATE EFLWS CPS FOR CLEAR FORK AT NUGENT
CINBDFND 0 0 12 12 12 12
CI 0 0 0 0 0 0
CINBAFND 0 0 12 12 12 12
CI 0 0 0 0 0 0
CINBWPND 10 10 12 12 12 12
CI 6 6 6 6 10 10

```

```

CIFAKE09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKNB13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CINBNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

```

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** POPULATE EFLWS CPS FOR BRAZOS NEAR WACO
CIWADPND 7 7 10 10 10 10
CI 7 7 7 7 7 7
CIWAASPD 7 7 10 10 10 10
CI 7 7 7 7 7 7
CIWAWSPD 9 9 14 14 14 14
CI 10 10 10 10 9 9

```

```

CIFAKE10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKWA12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

```

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

```

CIFKWA13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIWANOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

```

**

```

** POPULATE EFLWS CPS FOR LEON RIVER AT GATESVILLE
CIGTDPND 0 0 10 10 10 10
CI 4 4 4 4 0 0
CIGTASPD 0 0 10 10 10 10
CI 4 4 4 4 0 0
CIGTWSPD 6 6 13 13 13 13
CI 6 6 6 6 6 6

```

```

CIFAKE11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKGT13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIGTNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

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** POPULATE EFLWS CPS FOR LAMPASAS RIVER NEAR KEMPNER
CILADPND 8 8 13 13 13 13
CI 4 4 4 4 8 8
CILAAPND 8 8 13 13 13 13
CI 4 4 4 4 8 8
CILAWPND 11 11 16 16 16 16
CI 6 6 6 6 11 11

```

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CIFAKE12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
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CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
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CI 9999999 9999999 9999999 9999999 9999999 9999999
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CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKLA13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CILANOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

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** POPULATE EFLWS CPS FOR LITTLE RIVER NEAR LITTLE RIVER
CILRDPND 5 5 10 10 10 10
CI 4 4 4 4 5 5

```

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

CILRASPD	5	5	10	10	10	10
CI	4	4	4	4	5	5
CILRWSPD	11	11	17	17	17	17
CI	8	8	8	8	11	11
CIFAKE13	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLR01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLR02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLR03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLR04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLR05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLR06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLR07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLR08	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLR09	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLR10	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLR11	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLR12	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKLR13	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CILRNOSB	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

**

** POPULATE EFLOWS CPS FOR LITTLE RIVER NEAR CAMERON

CICADPND	8	8	12	12	12	12
CI	6	6	6	6	8	8
CICAASPD	8	8	12	12	12	12
CI	6	6	6	6	8	8
CICAWSPD	10	10	14	14	14	14
CI	8	8	8	8	10	10
CIFAKE14	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKCA01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKCA02	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKCA03	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKCA04	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKCA05	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKCA06	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKCA07	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKCA08	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKCA09	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKCA10	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKCA11	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKCA12	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKCA13	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CICANOSB	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

**

** POPULATE EFLOWS CPS FOR BRAZOS NEAR BRYAN

CIBRDPND	7	7	11	11	11	11
CI	7	7	7	7	7	7
CIBRASPD	7	7	11	11	11	11
CI	7	7	7	7	7	7
CIBRWSPD	10	10	14	14	14	14
CI	8	8	8	8	10	10
CIFAKE15	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999
CIFKBR01	9999999	9999999	9999999	9999999	9999999	9999999
CI	9999999	9999999	9999999	9999999	9999999	9999999

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

```

CIFKBR02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKBR03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKBR04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKBR05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKBR06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKBR07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKBR08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKBR09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKBR10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKBR11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKBR12 9999999 9999999 9999999 9999999 9999999 9999999
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CIFKBR13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIBRNOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

```

**

** POPULATE EFLOWS CPS FOR NAVASOTA RIVER NEAR EASTERLY

```

CIEADPND 9 9 11 11 11 11
CI 0 0 0 0 9 9
CIEAASPD 9 9 11 11 11 11
CI 0 0 0 0 9 9
CIEAWSPD 12 12 13 13 13 13
CI 5 5 5 5 12 12

```

```

CIFAKE16 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKEA01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKEA02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKEA03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKEA04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKEA05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKEA06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKEA07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKEA08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKEA09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKEA10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKEA11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKEA12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKEA13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIEANOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

```

**

** POPULATE EFLOWS CPS FOR BRAZOS NEAR HEMPSTEAD

```

CIHEDPND 10 10 13 13 13 13
CI 7 7 7 7 10 10
CIHEASPD 10 10 13 13 13 13
CI 7 7 7 7 10 10
CIHEWSPD 15 15 19 19 19 19
CI 9 9 9 9 15 15

```

```

CIFAKE17 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999

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Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

```

CIFKHE06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKHE13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIHENOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**
    
```

```

** POPULATE EFLWS CPS FOR BRAZOS AT RICHMOND
CIRCDPND 11 11 13 13 13 13
CI 6 6 6 6 11 11
CIRCASPD 11 11 13 13 13 13
CI 6 6 6 6 11 11
CIRCWSPD 16 16 19 19 19 19
CI 10 10 10 10 16 16
    
```

```

CIFAKE18 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRC13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIRCNOSE 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**
    
```

```

** POPULATE EFLWS CPS FOR BRAZOS AT ROSHARON
CIRODPND 12 12 10 10 10 10
CI 6 6 6 6 12 12
CIROASPD 12 12 10 10 10 10
CI 6 6 6 6 12 12
CIROWSPD 16 16 18 18 18 18
CI 9 9 9 9 16 16
    
```

```

CIFAKE19 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO01 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO02 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO03 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO04 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO05 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO06 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO07 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO08 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO09 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
    
```

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

```
CIFKRO10 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO11 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO12 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIFKRO13 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIRONOSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**
```

** EFLOW CI RECORDS

```
CIDAYSPY 31 28.25 31 30 31 30
CI 31 31 30 31 30 31
**
```

** FNI Change - add dummy CIs to record regulated flows 1 day senior to SB3 IFs

```
CIDMDMAS 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMSFAS 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMBRSE 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMCFNU 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMCFLU 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMBRSB 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMBRPP 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMBRGR 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMNBCL 9999999 9999999 9999999 9999999 9999999 9999999
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CIDMBRWA 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
CIDMLEGT 9999999 9999999 9999999 9999999 9999999 9999999
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CIDMLAKE 9999999 9999999 9999999 9999999 9999999 9999999
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CIDMLRLR 9999999 9999999 9999999 9999999 9999999 9999999
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CIDMBRRI 9999999 9999999 9999999 9999999 9999999 9999999
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CIDMBRRO 9999999 9999999 9999999 9999999 9999999 9999999
CI 9999999 9999999 9999999 9999999 9999999 9999999
**
```

** FNI Change end

** WR/WS/IF/SO/OR/ML RECORDS

**<----- WRAP input variables ----->|
 ----->|<----- water rights information not utilized by WRAP ----->|

** CPID	AMT	USE PRIORITY	RETURN_PARAMS	WRID	WRID2	OWNER
STREAM			RIVER_ORDER_NUMBER	CPID	TERM SUBAREA	

** HDR - Removed reuse - already accounted for in CI records

```
** FNI change - Cleburne reuse
**IF 4106C 2552 4106IF20040820 1 IF4196C
**WR 4106C MUN220040820 CleburneReuse C4106 reuse
**TS ADD 2015 274 260 307 340 327 225 201 201 215 254 271 267
**
```

** FNI change - Waco reuse

```
**IF584001 293525. IFWCRE20040713 1 IFP5840_1
**WR584001 0 20040713 WacoReuse P5094 reuse
**TS ADD 2015 1978 1876 2132 1836 1714 1695 1816 1945 2005 2042 1918 2052
**
```

** FNI change - Bryan and College Station reuse

```
**City of Bryan, 5912
**WR591201 0. 10000212 1 P5912_1 P5912 reuse
**TS ADD 2015 504 516 521 506 501 473 490 525 511 504 482 490
**
```

**City of College Station, 5913

```
**WR591201 0. 10000212 1 P5913_1 P5913 reuse
**TS ADD 2015 536 500 561 540 529 492 497 513 548 543 510 479
**
```

** FNI change - City of Abilene reuse permit 12-4161C

** Code by FNI 3-24-13

Chapter 2 Trend Analysis Results and Impacts on Surface Water Supply Sources



TWDB Contract Number 2100012466

```

** Sum of minimum monthly discharge from 2007 to 2011 is 6,667 ac-ft/yr.
** Permit 4266 (1985 priority) is already in model and allows diversion of 4,330 ac-ft/yr of effluent
** No changes to 4266 are proposed
** Assume that remaining discharge goes to Lake Kirby (CP 415031) for reuse at Lake Fort Phantom Hill
** No water left over for other diversion points authorized by 4161C, so not modeling.
** Instream flows apply ondy to diversion point 3 (scalping to Hubbard Creek). Since no water left for that, we are not modeling
**
** Reuse at Lake Fort Phantom Hill. Not storing water so reservoir not included.
** TS is zero some times because P4266 sometimes diverts more than minimum monthly discharge
**WR416131      20041014  1  2  0.0000      C4161_c ABILFPH  reuse
**TS  ADD      2015      397      170      285      193      189      0      0      0      0      296      299      334
** End FNI change
**
** FNI Change - Modeling at revised priority date to preserve prior appropriation relative to System Operation Modeling
** Actual priority date 09/04/2007
**Alcoa 12191 I-South 9/04/09 SD
WR121911      0.  UNIFO20120307  1      A121911  12191
**WR121911      0.  UNIFO20070904  1      A121911  12191
WS121911  1209.  0.5245  0.6411
**
**Alcoa 12190 9/04/09 SD
WR121902      0.  UNIFO20120307  1      A121902  12190
**WR121902      0.  UNIFO20070904  1      A121902  12190
WS121902  360.  0.5245  0.6411
WR121901      0.  UNIFO20120307  1      A121901  12190
**WR121901      0.  UNIFO20070904  1      A121901  12190
WS121901  6877.
** FNI Change end
**
** Smiling Mallard Development, 5788, 4/29/07 sj
IF578831  12.05 IF578820020930  1      IFP5788_1
WR578831      0.0 UNIFO20020930  1      0.0000      P5788_1  P578815788301
WSRP5788  436.0 0.4897 0.7633      0      0
**
** FNI Change - Modeling at revised priority date to preserve prior appropriation relative to System Operation Modeling
** Actual priority date 09/14/2006
** TXU Kosse Lignite, 5931, 9/29/06, io
WR593101      0  593120120306  1  2  0.0000      P5931_1  P593115931001      CAMP
COOLEY LTD.      STEELE CRK      0782000000  NAEA66      10
**WR593101      0  593120060914  1  2  0.0000      P5931_1  P593115931001      CAMP
COOLEY LTD.      STEELE CRK      0782000000  NAEA66      10
WS593131  146.6 0.4897 0.7633      0      0
WR593103      0  593120120306  1  2  0.0000      P5931_3  P593115931003      CAMP
COOLEY LTD.      STEELE CRK      0782000000  NAEA66      10
**WR593103      0  593120060914  1  2  0.0000      P5931_3  P593115931003      CAMP
COOLEY LTD.      STEELE CRK      0782000000  NAEA66      10
WS593133  76.5 0.4897 0.7633      0      0
WR593105      0  593120120306  1  2  0.0000      P5931_5  P593115931005      CAMP
COOLEY LTD.      STEELE CRK      0782000000  NAEA66      10
**WR593105      0  593120060914  1  2  0.0000      P5931_5  P593115931005      CAMP
COOLEY LTD.      STEELE CRK      0782000000  NAEA66      10
WS593135  174 0.4897 0.7633      0      0
WR593104      0  593120120306  1  2  0.0000      P5931_4  P593115931004      CAMP
COOLEY LTD.      STEELE CRK      0782000000  NAEA66      10
**WR593104      0  593120060914  1  2  0.0000      P5931_4  P593115931004      CAMP
COOLEY LTD.      STEELE CRK      0782000000  NAEA66      10
WS593134  44 0.4897 0.7633      0      0
WR593102  1000 593120120306  1  2  0.0000      P5931_2  P593115931002      CAMP
COOLEY LTD.      STEELE CRK      0782000000  NAEA66      10
**WR593102  1000 593120060914  1  2  0.0000      P5931_2  P593115931002      CAMP
COOLEY LTD.      STEELE CRK      0782000000  NAEA66      10
WS593132  1351 0.4897 0.7633      0      0
WS593131  146.6 0.4897 0.7633      0      0
OR593131      1      1
WS593133  76.5 0.4897 0.7633      0      0
OR593133      1      1
WS593135  174 0.4897 0.7633      0      0
OR593135      1      1
WS593134  44 0.4897 0.7633      0      0
OR593134      1      1
** FNI Change end
**
** FNI Change - Modeling at revised priority date to preserve prior appropriation relative to System Operation Modeling
** Actual priority date 10/21/2004
**APP 5858
WR585830  000.  IND320120303  1  0  0.0000      A585800  A5858      TEXAS
MUNICIPAL POWER AGENCY  UNNAMED TRIB  0745651000  BRHE68      10
**WR585830  000.  IND320041021  1  0  0.0000      A585800  A5858      TEXAS
MUNICIPAL POWER AGENCY  UNNAMED TRIB  0745651000  BRHE68      10
WSR58580  212.5 0.5228 0.8206      0      0
WR585831  000.  IND320120303  1  0  0.0000      A585801  A5858      TEXAS
MUNICIPAL POWER AGENCY  UNNAMED TRIB  0745651000  BRHE68      10
**WR585831  000.  IND320041021  1  0  0.0000      A585801  A5858      TEXAS
MUNICIPAL POWER AGENCY  UNNAMED TRIB  0745651000  BRHE68      10

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```

WS REED2      76 0.4897 0.7633
OR380932      1 1
WS REED5     12.7 0.4897 0.7633
OR380935      1 1
WS REED6      7 0.4897 0.7633
OR380936      1 1
** TXU MINING, APPLICATION 5770
WR577001     53 MIN320020403 1 P5770_1 P577015770001
**
**Application 5767, Herman Stroud. Diversion of 99 ac-ft from Brazos River to fill 32.5 ac-ft capacity off-channel reservoir
complex & to irrigate. Staff rec. IF.
IF576701    119155 5767IF20020329 1 1 IF5767_1
WR576741     30 57674120020329 1 P5767_1 P576715767001
WS576741    32.5 0.2710 0.8958
SO          80 70 576701 1
**
** TMPA App 5741, 5783 9/27/02 - JD
WR573831     0.0 UNIFO20010205 1 2 0.0000 P5738_1 P573815738301 CHAPPELL
HILLS INC Heifer Creek
WSRP5738    207.95 0.8475 0.6756 0 0
WR574131     0.0 UNIFO20010524 1 2 0.0000 P5741_1 P574115741301 CHAPPELL
HILLS INC Heifer Creek
WSRP5741    631.2 0.8475 0.6756 0 0
WR574132     0.0 UNIFO20010524 1 2 0.0000 P5741_2 P574115741302 CHAPPELL
HILLS INC Heifer Creek
WSR57412    571.3 0.8475 0.6756 0 0
** Clark Gardens application 5759
WR A5759     11. CLARK20011203 1 P5759_1 P575915759001 CITY
OF MINERAL WELLS ROCK CRK 3325000000 BRDE29 3
WS GRANT     15. 0.4897 0.7633 0
**
** GAVRONOVIC, APPLICATION 5752
** HALE CLAUSE
IFBRHE68    1216877 5752IF20011018 1 1 IF5752_1
IF575203    2741 GAVIF20011018 1 IF5752_2
WR575203    1200 575220011018 1 P5752_1 P575215752001
WS R5752    367.26 0.2710 0.8958
SO          285 560302
**
** SOMERVELL COUNTY WATER DISTRICT
IF574432    7058 5744IF20010627 1 1 IF5744_1
WR574432    5000 MUN420010627 1 1 1 SCWD P5744_1 P574415744001
TO          3 CONT
TO          -5 MIN 5744W CONT
TO          10 2975
SO          5000
WS 5744P    35.2 0.2710 0.8958
PX          2 2 515731
WR574431    2000 MUN220010627 1 P5744_2 P574415744002
WS 5744W    4118
SO          SCWD
PX          2 2 515731
**
** US ARMY CORPS OF ENGINEERS APPLICATION 5658
** This water right contains a condition allowing back-up of reservoir 5658D with 1000 af
** from 516431. As 516431 is owned by BRA and permittee has provided no evidence of
** a contractual agreement, this special condition is not included in the model.
IF565801    94093 UNIFO19991018 1 IF5658_1
WR565837     0 UNIFO19991018 1 P5658_1 P565815658001
WS 5658D    900 0.4897 0.7633
SO          1000 565801
WR565833     0 UNIFO19991018 1 P5658_2 P565815658002
WS 5658A    80 0.4897 0.7633
WR565834     0 UNIFO19991018 1 P5658_3 P565815658003
WS 5658B    30 0.4897 0.7633
WR565836     0 UNIFO19991018 1 P5658_4 P565815658004
WS 5658C    98 0.4897 0.7633
IF565801     0 UNIFO19991018 1 IF5658_2
**
** Application 5665, Paul Weinman. Diversion of 2448 ac-ft from Brazos River to fill off-channel wetlands project. Staff rec. IF.
** Application 5665A, Paul Weinman. Change location of point IF measured at. 12/9/02 MT
**IF5665011325439. IF566520010621 1 IF5665_1
IFBRR1701352902. IF566520010621 1 IF5665_1
WR566541     0. D&L420010621 1 P5665_1 P566515665001
WS R5665    1836
SO          265.4 2448 566501 1
**
** WR/WS/SO/IF Records added/changed by adding P5686, COASTAL BEND PROPERTY DEVELOPMENT
IF568601    2741. IFD12920000628 1 IFP5686_1
WR568641    460.33 IRR420000628 1 2 P5686_1 P568615686001 COASTAL
BEND PROPERTY DEVELOPMENT CLEAR CRK 3309900000 SJGBC3 12
WSRP5686    46.69 0.2710 0.8958
SO          460.33 568601
**

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** WR/WS/SO/IF Records added/changed by adding P5729, MICHAEL & FAYE HORTON.
**IFLEGT47      21247.      IFD07620010207      1      IFP5729_1
A
**WR572941     60.0      IRR220010207      1      2      0.0000      P5729_1      P572915729001      MICHAEL
& FAYE HORTON      LEON RIVER      2222100000      LEBE49      A      7
**WSRP5729     48.0      0.2710      0.8958
**SO           60.0      572901
**
** WR/WS/SO/IF Records added/changed by adding P5714, City of Pearland
** Did not model right, because it is a bed and banks right diverting groundwater based effluent.
**WR571402     109.8      IRR420001027      1      2      0.0000      P5714_1      P571415714002      CITY
OF PEARLAND      MARY'S CRK      SJGBC3      12
**
** WR/WS/SO/IF Records added/changed by adding P5692, Walter Exploration Inc.
** New right added that is contingent on a water sales contract with BRA.
IFDMAS09      3367.      IFD01120000719      1      IFP5692_1
WR569204      67.      MIN120000719      1      2      0.0000      P5692_1      P569215692004      WALTER
EXPLORATION INC      DBL MTN FRK BRAZOS RIVER      5981000000      BRSE11      1
**
WR370331      255.      IRR119681125      1      2      0.0000      C3703_1      C370363703001      W
T MILLEN      BLACKWATER DRAW      9900000000      BSLU07      1
WSRC3703      191.      0.8109      0.6681      0      0
WR370431      50.0      IRR119620630      1      2      0.0000      C3704_1      C370463704001      ANNA
M JOHNSTON ET AL      BLACKWATER DRAW      9780000000      BSLU07      1
WSRC3704      105.      0.8109      0.6681      0      0
** Combined reservoirs with two priority dates.
WR370536      0.0      UNIFO19720406      1      2      0.0000      C3705_1      C370563705306      CITY
OF LUBBOCK      YELLOW HOUSE DRAW      9760000000      BSLU07      1
WSRC3705      557.      0.8109      0.6681      0      0
WR370536      0.0      UNIFO19740708      1      2      0.0000      C3705_2      C370563705306      CITY
OF LUBBOCK      YELLOW HOUSE DRAW      9760000000      BSLU07      1
WSRC3705      577.      0.8109      0.6681      0      0
WR370536      1162.92      IRR119960610      1      2      0.0000      C3705_3      C370563705003      CITY
OF LUBBOCK      YELLOW HOUSE DRAW      9760000000      BSLU07      1
WSRC3705      577.      0.8109      0.6681      0      0
** This right authorizes use of treated effluent created by the City of Lubbock's use of municipal
** water transferred from the Canadain River Basin. Do not model because City of Lubbock WWTP does
** not discharge downstream.
**WR398501     4480.      IND119830307      1      2      0.0000      P3985_1      P398513985001      CITY
OF LUBBOCK      EFFLUENT      9759000000      BSLU07      1
**WR398501     18430.      IRR119830307      1      2      0.0000      P3985_2      P398513985001      CITY
OF LUBBOCK      EFFLUENT      9759000000      BSLU07      1
**
WR370631      0.0      UNIFO19570408      1      2      0.0000      C3706_1      C370663706301      LUBBOCK
CO WCID 1      N FRK DBL MTN BRAZOS RIVER      9715000000      DMAS09      1
WSBFSFRG      1829.      0      0
WR370731      0.0      UNIFO19620416      1      2      0.0000      C3707_1      C370763707301      RANSOM
CANYON      N FRK DBL MTN FRK BRAZOS RIVER      9700000000      DMAS09      1
WSRC3707      278.      0.8109      0.6681      0      0
WR370731      150.      MUN119720406      1      2      0.0000      C3707_2      C370763707001      RANSOM
CANYON      N FRK DBL MTN FRK BRAZOS RIVER      9700000000      DMAS09      1
WSRC3707      560.      0.8109      0.6681      0      0
WR370731      4.0      IRR119800825      1      2      0.0000      C3707_3      C370763707001      RANSOM
CANYON      N FRK DBL MTN FRK BRAZOS RIVER      9700000000      DMAS09      1
WSRC3707      568.      0.8109      0.6681      0      0
WR370731      4.0      UNIFO19800825      1      2      0.0000      C3707_4      C370763707001      RANSOM
CANYON      N FRK DBL MTN FRK BRAZOS RIVER      9700000000      DMAS09      1
WSRC3707      568.      0.8109      0.6681      0      0
WR370831      120.      IRR119660801      1      2      0.0000      C3708_1      C370863708001      DELTON
CADDELL      PLUM CRK      9675000000      DMAS09      1
WSRC3708      180.      0.8109      0.6681      0      0
** Combined three reservoirs with two priority dates.
WR370941      15.0      IRR119671231      1      2      0.0000      C3709_1      C370963709001      NATHANIEL
CLARK WOOD JR ET UX      N FRK DBL MTN BRAZOS RIVER      9671100000      DMAS09      B      1
WSRC3709      5.0      0.2710      0.8958      0      0
WR370941      795.      IRR119680417      1      2      0.0000      C3709_2      C370963709001      NATHANIEL
CLARK WOOD JR ET UX      N FRK DBL MTN BRAZOS RIVER      9671100000      DMAS09      1
WSRC3709      201.      0.2710      0.8958      0      0
** This diversion shares off-channel reservoir with WR3709.
WR370941      450.      MIN119680417      1      2      1.0000      C3710_1      C371063710001      R
E JANES GRAVEL CO      N FRK DBL MTN BRAZOS RIVER      9670000000      DMAS09      B      1
WSRC3709      201.      0.2710      0.8958      0      0
** HDR - Removed Post
**WR371131     5600.      MUN119700120      1      2      0.0000      C3711_1      C371163711001      WHITE
RIVER MWD      N FRK DBL MTN BRAZOS RIVER      9661000000      DMAS09      1
**WSPOSTRE     57420.      0
**WR371131     1000.      IND119700120      1      2      0.0000      C3711_2      C371163711001      WHITE
RIVER MWD      N FRK DBL MTN BRAZOS RIVER      9661000000      DMAS09      1
**WSPOSTRE     57420.      0
**WR371131     4000.      MIN119700120      1      2      0.0000      C3711_3      C371163711001      WHITE
RIVER MWD      N FRK DBL MTN BRAZOS RIVER      9661000000      DMAS09      1
**WSPOSTRE     57420.      0
WR371331      140.      IRR119670630      1      2      0.0000      C3713_1      C371363713001      RAY
ADAMS      DBL MTN FRK BRAZOS RIVER      9620000000      DMJU08      1

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WSRC3713	430.	0.8109	0.6681	0	0								
WRP53591	200.	MIN119910519		1	2	0.0000		P5359_1	P535915359001				TORCH
OPERATING COMPANY S FRK DBL MTN FRK BRAZOS RIVER													
WR371431	63.0	IRR119691211		1	2	0.0000		C3714_1	C371463714001				MARTIN
ALLEN PARKS DBL MTN FRK BRAZOS RIVER													
WSRC3714	185.	0.8109	0.6681	0	0								
WR371531	166.	MUN119271116		1	2	0.0000		C3715_1	C371563715001				POST
INDEPENDENT SCHOOL DIST COON CRK													
WSRC3715	526.	0.8109	0.6681	0	0								
WR371631	134.	IRR119581231		1	2	0.0000		C3716_1	C371663716002				CAROL
SUE REED GRAPE CRK													
WSRC3716	2.0	0.8109	0.6681	0	0								
***** --- Subordination to PK *****													
WR4146P1	35000.	MUN119811005		1	2	0.0000		P4146S1	P4146 MUNGARZ				BRAZOS
RIVER AUTHORITY S FRK DBL MTN FRK BRAZOS RIVER													
WSALANHN	89959.			0					9568000000	DMAS09	1		
PX	1												
WR4146P1	35000.	MUN119811005		1	2	0.0000		P4146_1	P4146 MUNGARZ				BRAZOS
RIVER AUTHORITY S FRK DBL MTN FRK BRAZOS RIVER													
WSALANHN	89959.			0					9568000000	DMAS09	1		
PX	2	2	515531										
** Secondary use of treated wastewater is authorized but not modeled.													
**WR4146P1	21000.	IRR119811005		1	2	0.0000		P4146_2	P414614146001				BRAZOS
RIVER AUTHORITY S FRK DBL MTN FRK BRAZOS RIVER													
**WSALANHN	115937.			0					9568000000	DMAS09	1		
WR4146P1	0.0	IND119811005		1	2	0.0000		P4146S3	P4146 INDGARZ				BRAZOS
RIVER AUTHORITY S FRK DBL MTN FRK BRAZOS RIVER													
WSALANHN	89959.			0					9568000000	DMAS09	1		
PX	1												
WR4146P1	0.0	IND119811005		1	2	0.0000		P4146_3	P4146 INDGARZ				BRAZOS
RIVER AUTHORITY S FRK DBL MTN FRK BRAZOS RIVER													
WSALANHN	89959.			0					9568000000	DMAS09	1		
PX	2	2	515531										

WR371701	420.	IRR119510831		1	2	0.0000		C3717_1	C371763717001				BALDRIDGE
FAMILY LAND TX PARTN DBL MTN FRK BRAZOS RIVER													
WR371803	3525.	MIN119580305		1	2	0.0000		C3718_1	9566000000	DMAS09	1		
INC DBL MTN FRK BRAZOS RIVER													
WR371803	2375.	MIN119690722		1	2	0.0000		C3718_2	9565000000	DMAS09	B	1	TEXACO
INC DBL MTN FRK BRAZOS RIVER													
WR371901	165.	MIN119680624		1	2	0.0000		C3719_1	9565000000	DMAS09	1		
EXPLORATION&PROD CO ET AL DBL MTN FRK BRAZOS RIVER													
WR372031	44.0	IRR119631005		1	2	0.0000		C3720_1	9548000000	DMAS09	B	1	SUN
JOE MCCOMBS RED CRK													
WSRC3720	185.	0.8109	0.6681	0	0				9542000000	DMAS09	1		
WR372131	100.	IRR119650228		1	2	0.0000		C3721_1	C372163721001				BRUCE
& PATSY K COX RED CRK													
WSRC3721	176.	0.8109	0.6681	0	0				9541000000	DMAS09	1		
WR372131	26.0	IND119660331		1	2	0.0000		C3721_2	C372163721001				BRUCE
& PATSY K COX RED CRK													
WSRC3721	176.	0.8109	0.6681	0	0				9541000000	DMAS09	1		
WR372203	565.	MIN119720703		1	2	0.0000		C3722_1	C372263722003				SUN
EXPLORATION&PRODUCTION CO DBL MTN FRK BRAZOS RIVER													
WR528201	235.	MIN119900202		1	2	0.0000		P5282_1	6500000000	DMAS09	B	1	CITATION
1994 INVEST LTD PART DBL MTN FRK BRAZOS RIVER													
WR372401	1016.	IRR119550831		1	2	0.0000		C3724_1	5980000000	BRSE11	B	1	DON
W DAVIS DBL MTN FRK BRAZOS RIVER													
WR5162P1	8.0	IRR119871112		1	2	0.0000		P5162_1	5904900000	BRSE11	1		
OF ASPERMONT TONK CRK													
WSRP5162	1196.	0.8109	0.6681	0	0				5904500000	BRSE11	1		
WR369431	47.0	IRR119661202		1	2	0.0000		C3694_1	C369463694001				W
C HUFFAKER JR YELLOWHOUSE CRK													
WSRC3694	108.	0.8109	0.6681	0	0				5904000000	SFPE04	1		
WR369531	80.0	IRR119690929		1	2	0.0000		C3695_1	C369563695001				MARVIN
SHURBET MCDONALD CRK													
WSRC3695	1.0	0.8109	0.6681	0	0				5903500000	SFPE04	1		
WR366431	3.0	IRR119760927		1	2	0.0000		C3664_1	C366463664001				TRUMAN
& MARY ELLEN MCKILLIP CATFISH DRAW													
WSRC3664	1.5	0.8109	0.6681	0	0				5891000000	RWPL01	1		
WR366531	50.0	IRR119780731		1	2	0.0000		C3665_1	C366563665001				TRUMAN
MCKILLIP CATFISH DRAW													
WSRC3665	190.	0.8109	0.6681	0	0				5890500000	RWPL01	1		
WR366631	14.0	IRR119660530		1	2	0.0000		C3666_1	C366663666001				ARVEL
& ETHEL MAE FLEMING CATFISH DRAW													
WSRC3666	14.0	0.8109	0.6681	0	0				5890000000	RWPL01	1		
WR366731	125.	IRR119680417		1	2	0.0000		C3667_1	C366763667001				"HELEN
ARLINE ESTLACK, ET VIR" CATFISH DRAW													
WSRC3667	125.	0.8109	0.6681	0	0				5889000000	RWPL01	1		
WR366831	75.0	IRR119680205		1	2	0.0000		C3668_1	C366863668001				"ARLINE
L. HARTZOG, JR., ET UX" CATFISH DRAW													
WSRC3668	75.0	0.8109	0.6681	0	0				5888000000	RWPL01	1		
WR366931	0.0	UNIF019770606		1	2	0.0000		C3669_1	C366963669001				KUNTZ
CATTLE COMPANY RUNNING WATER DRAW													
WSRC3669	30.0	0.8109	0.6681	0	0				5887700000	RWPL01	1		

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WR344032	0.0	UNIFO19720515	1	2	0.0000	C3440_5	C344063440005		LEAGUE
RANCH							5805000000	BRSE11	2
WSRC3440	2084.	0.8109	0.6681		0				
WR344131	0.0	UNIFO19391218	1	2	0.0000	C3441_1	C344163441301		CITY
OF MUNDAY							5780000000	BRSE11	2
WSRC3441	150.	0.8109	0.6681		0				
WR344231	50.0	IRR119701123	1	2	0.0000	C3442_1	C344263442001		SEYMOUR
GOLF & COUNTRY CLUB							5777000000	BRSE23	2
WSRC3442	95.0	0.8109	0.6681		0				
WR344302	28.0	IRR119631231	1	2	0.0000	C3443_1	C344363443002		NORTH
CENTRAL TEXAS MWA ET AL							5776010000	BRSE23	2
WR344431	3500.	MUN119581001	1	2	0.0000	C3444_1	C344463444001		NORTH
CENTRAL TEXAS MWA ET AL							5776000000	BRSE23	2
WSMLRCRK	12811.				0				
WR344431	1000.	IND119581001	1	2	0.0000	C3444_2	C344463444001		NORTH
CENTRAL TEXAS MWA ET AL							5776000000	BRSE23	2
WSMLRCRK	12811.				0				
WR344431	500.	MIN119581001	1	2	0.0000	C3444_3	C344463444001		NORTH
CENTRAL TEXAS MWA ET AL							5776000000	BRSE23	2
WSMLRCRK	12811.				0				
WR344501	31.0	IRR119310831	1	2	0.0000	C3445_1	C344563445001		PATSY
STOUT COOPER ET AL							5775250000	BRSE23	2
WR344631	9.0	IRR119590902	1	2	0.0000	C3446_1	C344663446001		J
J KEETER TRUST & CLYDE STUTEVILLE							5751000000	BRSE23	2
WSRC3446	125.	0.8109	0.6681		0				
WR344701	45.0	IRR119640531	1	2	0.0000	C3447_1	C344763447001		R
T WELLS JR							5750220000	BRSE23	2
WR344801	45.0	IRR119660228	1	2	0.0000	C3448_1	C344863448001		GEORGE
W WILKINSON							5750200000	BRSE23	2
WSRC3448	2.0	0.8109	0.6681		0				
WR344931	0.0	D&L119500123	1	2	0.0000	C3449_1	C344963449301		THROCKMORTON
LAND & CATTLE CO							5750000000	BRSE23	2
WSRC3449	705.	0.8109	0.6681		0				
WR345031	600.	MUN119401120	1	2	0.0000	C3450_1	C345063450001		CITY
OF THROCKMORTON							5720000000	BRSE23	2
WSRC3450	1675.	0.8109	0.6681		0				
WR345101	26.0	IRR119660831	1	2	0.0000	C3451_1	C345163451001		GEORGE
W WILKINSON							5700100000	BRSE23	2
WR345141	27.0	IND119660831	1	2	0.0000	C3451_2	C345163451401		GEORGE
W WILKINSON							5700100000	BRSE23	2
** Two reservoirs modeled as a single reservoir.									
WR345232	250.	MUN119661122	1	2	0.0000	C3452_1	C345263452001		CITY
OF NEWCASTLE							5685000000	BRSE23	2
WSRC3452	751.	0.8109	0.6681		0				
WR420631	40.0	IRR119270908	1	2	0.0000	C4206_1	C420664206001		TERRY
T POSEY ET UX							5600100000	CFRO13	2
WSRC4206	13.0	0.8109	0.6681		0				
WR411531	45.0	IND119581231	1	2	0.0000	C4115_1	C411564115001		H
& H FEEDLOT INC							5594000000	CFHA14	2
WSRC4115	127.	0.8109	0.6681		0				
WR411601	2.0	IRR119261231	1	2	0.0000	C4116_1	C411664116001		MARJORIE
HAMBRIGHT							5592800000	CFHA14	2
WR411701	1.0	IRR119551231	1	2	0.0000	C4117_1	C411764117001		DR
HELEN F YEATS							5592600000	CFHA14	2
WR411931	5.0	IRR119631231	1	2	0.0000	C4119_1	C411964119001		ALFRED
L. CAREY ET UX							5592300000	CFHA14	D 2
WSRC4119	5.0	0.8109	0.6681		0				
WR411801	8.0	IRR119631231	1	2	0.0000	C4118_1	C411864118001		ZANNA
H ANDERSON							5592250000	CFHA14	2
WR412031	74.0	IRR119371231	1	2	0.0000	C4120_1	C412064120001		MAX
D. CARRIKER ESTATE ETAL							5591500000	CFHA14	2
WSRC4120	15.0	0.8109	0.6681		0				
WR412131	263.	IRR119360531	1	2	0.0000	C4121_1	C412164121001		WILLARD
L. BURK							5591350000	CFHA14	2
WSRC4121	26.0	0.8109	0.6681		0				
WR412231	60.0	IRR119621231	1	2	0.0000	C4122_1	C412264122001		MAX
D. CARRIKER ESTATE							5591000000	CFHA14	2
WSRC4122	22.0	0.8109	0.6681		0				
WR412331	17.0	IRR119280229	1	2	0.0000	C4123_1	C412364123001		FREDDIE
MAC STUART							5570000000	CFHA14	2
WSRC4123	12.0	0.8109	0.6681		0				
WR412401	55.0	IRR119260403	1	2	0.0000	C4124_1	C412464124001		"ALFRED
S. WALDROP, ETAL"							5540000000	CFHA14	D 2
** All of this right was severed and transferred to C4072.									
**WR412531	117.	IRR119620531	1	2	0.0000	C4125_1	C412564125001		REX
& NEVA HALL							5539000000	CFHA14	2
**WSRC4125	2.0	0.8109	0.6681		0				
WR412531	0.	D&L119620531	1	2	0.0000	C4125_1	C412564125001		REX
& NEVA HALL							5539000000	CFHA14	2
WSRC4125	2.0	0.8109	0.6681		0				
WR407201	117.	IRR219620531	1	2	0.0000	C4072_3	C407264072001		JAMES
E ANTHONY ET AL							3289100000	BRGR30	5
** Two reservoirs modeled as a single reservoir.									

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WR412631	55.0	IRR119491231	1	2	0.0000		C4126_1	C412664126001			BOYD
H. LAKEY						CLEAR FRK BRAZOS RIVER		5538000000	CFHA14	2	
WSRC4126	20.0	0.8109	0.6681		0	0					
WR412701	120.	IRR119670430	1	2	0.0000		C4127_1	C412764127001			JAMES
RANDOLPH SCOTT						CLEAR FRK BRAZOS RIVER		5514800000	CFHA14	2	
WR412831	2000.	MUN119141008	1	2	0.0000		C4128_1	C412864128001			CITY
OF SWEETWATER						SWEETWATER CRK		5510000000	CFHA14	2	
WSRC4128	2500.	0.8109	0.6681		0	0					
** IBT of 7,000 acft/yr from Colorado River Basin.											
WRIB4128	7000.	MUN119141008	1	2	0.0000		C4128_2	C412864128001			CITY
OF SWEETWATER						SWEETWATER CRK		5510000000	CFHA14	2	
WR412931	40.0	IRR119160706	1	2	0.0000		C4129_1	C412964129001			"SWEETWATER
COUNTRY CLUB, INC"						KILDOOGAN		5480000000	CFHA14	2	
WSRC4129	892.	0.4897	0.7633		0	0					
WR413031	2730.	MUN119271017	1	2	0.0000		C4130_1	C413064130001			CITY
OF SWEETWATER						COTTONWOOD CRK		5420000000	CFHA14	2	
WLSWEET	10000.				0	0					
WR413031	960.	IND119271017	1	2	0.0000		C4130_2	C413064130001			CITY
OF SWEETWATER						COTTONWOOD CRK		5420000000	CFHA14	2	
WLSWEET	10000.				0	0					
WR413031	50.0	IRR119271017	1	2	0.0000		C4130_3	C413064130001			CITY
OF SWEETWATER						COTTONWOOD CRK		5420000000	CFHA14	2	
WLSWEET	10000.				0	0					
WR413201	212.	IRR119651231	1	2	0.0000		C4132_1	C413264132001			HARRY
C. REAUGH & WIFE						CLEAR FRK BRAZOS RIVER		5403000000	CFHA14	2	
WR413331	225.	IRR119641231	1	2	0.0000		C4133_1	C413364133001			JAMES
FARRINGTON ET AL						CLEAR FRK BRAZOS RIVER		5385000000	CFNU16	2	
WSRC4133	7.0	0.8109	0.6681		0	0					
WR413431	45.0	IRR119691006	1	2	0.0000		C4134_1	C413464134001			BILLY
DOAN						ENSMINGER		5296000000	MUHA15	2	
WSRC4134	96.0	0.4897	0.7633		0	0					
WR413531	28.0	IRR119660502	1	2	0.0000		C4135_1	C413564135001			HUGH
T. LILLY						MULBERRY		5290000000	MUHA15	2	
WSRC4135	150.	0.8109	0.6681		0	0					
WR413631	338.	MIN119480722	1	1	0.5000		C4136_1	C413664136001			NELSON
PUETT						MULBERRY		5285000000	CFNU16	2	
WSRC4136	850.	0.8109	0.6681		0	0					
WR413631	7.0	IND119480722	1	2	0.0000		C4136_2	C413664136001			NELSON
PUETT						MULBERRY		5285000000	CFNU16	2	
WSRC4136	850.	0.8109	0.6681		0	0					
WR413631	0.0	UNIF019480722	1	2	0.0000		C4136_3	C413664136001			NELSON
PUETT						MULBERRY		5285000000	CFNU16	2	
WSRC4136	850.	0.8109	0.6681		0	0					
WR413701	54.0	IRR119260713	1	2	0.0000		C4137_1	C413764137001			ROSS
S BRADFORD ET UX						CLEAR FRK BRAZOS RIVER		5260000000	CFNU16	2	
WR413801	2.0	IRR119640316	1	2	0.0000		C4138_1	C413864138001			THOMAS
J MARSHALL & WIFE						CLEAR FRK BRAZOS RIVER		5210000000	CFNU16	2	
WR414001	165.	IRR119661231	1	2	0.0000		C4140_1	C414064140001			RALPH
BRIDWELL ET UX						CLEAR FRK BRAZOS RIVER		5164800000	CFNU16	D 2	
WR414231	1675.	MUN119180123	1	4	RABIL1	103341	C4142_1	C414264142001			CITY
OF ABILENE						ELM CRK		5160000000	CFNU16	2	
WSABILNE	2055.					0					
IF4143012171.933		UNIF019721218				1	IFC4143_1				
WR414331	0.0	UNIF019721218	1	2	0.0000		C4143_1	C414364143301			KICKAPOO
LAND CO						ELM CRK		5151000000	CFNU16	2	
WSRC4143	66.0	0.8109	0.6681		0	0					
SO	50.										
WR414431	73.0	IND119641231	1	2	0.0000		C4144_1	C414464144001			BILL
JAY ET AL						ELM CRK		5139100000	CFNU16	2	
WSRC4144	120.	0.8109	0.6681		0	0					
WR414531	168.	IND119641231	1	2	0.0000		C4145_1	C414564145001			"BILL
JAY, ET AL"						ELM CRK		5139000000	CFNU16	2	
WSRC4145	150.	0.8109	0.6681		0	0					
WR414631	4.0	IRR119480531	1	2	0.0000		C4146_1	C414664146001			J
H TAYLOR GAS COMPANY						ELM CRK		5104100000	CFNU16	2	
WSRC4146	6.0	0.8109	0.6681		0	0					
WR414703	14.0	IRR119630531	1	2	0.0000		C4147_1	C414764147003			LEE
ARTHUR PRESSWOOD						ELM CRK		5104050000	CFNU16	2	
WR414801	5.0	IRR119640831	1	2	0.0000		C4148_1	C414864148001			RILEY
G MAXWELL CO ET AL						ELM CRK		5104000000	CFNU16	2	
WR414901	42.0	IRR119630430	1	2	0.0000		C4149_1	C414964149001			NOEL
W. PETRE						ELM CRK		5103000000	CFNU16	2	
WR415031	3765.	MUN119271010	1	2	0.0000		C4150_1	C415064150001			CITY
OF ABILENE						CEDAR CRK		5100000000	CFNU16	2	
WS KIRBY	5009.					0					
WR415031	115.	IRR119271010	1	2	0.0000		C4150_2	C415064150001			CITY
OF ABILENE						CEDAR CRK		5100000000	CFNU16	2	
WS KIRBY	5009.					0					
** This part of the right expires March 12, 2004, type A term.											
**WR415031	1120.	IRR119790312	1	2	0.0000		C4150_3	C415064150001			CITY
OF ABILENE						CEDAR CRK		5100000000	CFNU16	A 2	
**WS KIRBY	5009.					0					
** Only model recreation and storage part of the right since the irrigation is based on purchasing											
** water from the City of Abilene.											

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WR3721P1	0.0	UNIFO19790312	1	2	0.0000		P3721_1	P372163721301			MCTAN
CORPORATION						BUTTONWILLOW		5095000000	DMAS09	2	
WSRP3721	128.	0.4897	0.7633	0	0						
**											
WR415231	230.	MUN119140610	1	2	0.0000		C4152_1	C415264152001			WEST
TEXAS UTILITIES CO.						LYTLE		5040000000	CFNU16	2	
WSRC4152	1184.	0.4897	0.7633	0	0						
WR415231	0.0	UNIFO19140610	1	2	0.0000		C4152_2	C415264152001			WEST
TEXAS UTILITIES CO.						LYTLE		5040000000	CFNU16	2	
WSRC4152	1184.	0.4897	0.7633	0	0						
** Do not model. Industrial for emergency standby for power plant use is also authorized under C4153.											
**WR415231	360.	IND119671121	1	2	0.0000		C4152_3	C415264152001			WEST
TEXAS UTILITIES CO.						LYTLE		5040000000	CFNU16	2	
**WSRC4152	1184.	0.4897	0.7633	0	0						
WR415331	0.0	UNIFO19140610	1	2	0.0000		C4153_1	C415364153001			CITY
OF ABILENE						LYTLE		5035000000	CFNU16	2	
WSRC4153	62.0	0.4897	0.7633	0	0						
** Do not model diversion amount for emergency standby. It is included with CA 4152.											
**WR415301	360.	IND119671121	1	2	0.0000		C4153_2	C415364153001			CITY
OF ABILENE						LYTLE		5035000000	CFNU16	2	
** Owner authorized to impound 6500 acft of the 73,960 acft in Fort Phantom Hill Reservoir.											
WR416131	2500.	IND119281012	1	2	0.0000		C4151_1	C415164161001			WEST
TEXAS UTILITIES CO.						ELM CRK		5030000000	CFNU16	2	
WSFPNHR	6500.				0						
** Do not model, emergency standby for power plant purposes. Storage only allowed to impound releases from two upstream reservoirs.											
**WR415431	0.0	IND119210512	1	2	0.0000		C4154_1	C415464154001			WEST
TEXAS UTILITIES CO.						CEDAR CRK		5010000000	CFNU16	D 2	
**WSRC4154	10.0	0.8109	0.6681	0	0						
** Right has a complex instream flow requirement that is not modeled. This instream flow requirement is based on monitoring daily flow quantities passed in various lengths of time.											
** WRAP does not have the capabilities to handle this type of instream flow requirement.											
** Only the constant 30 cfs instream flow requirement is included (Special Condition D.).											
IF413931	21719	UNIFO19490803					IFC4139_1				
WR415501	6.0	IRR119591231	1	2	0.0000		C4155_1	C415564155001			RAYMOND
MCNUTT						CEDAR CRK		4935000000	CFNU16	2	
WR415602	5.0	IRR119640531	1	2	0.0000		C4156_1	C415664156002			ROY
ELTON ROBBINS & WIFE						CEDAR CRK		4934500000	CFNU16	2	
WR415701	70.0	IRR119671231	1	2	0.0000		C4157_1	C415764157001			H
C WEICH						CEDAR CRK		4934000000	CFNU16	2	
WR415831	75.0	IRR119441130	1	2	0.0000		C4158_1	C415864158001			ROY
J. GRIFFITH						RAINEY		4933000000	CFNU16	2	
WSRC4158	175.	0.8109	0.6681	0	0						
WR415931	42.0	IRR119381231	1	2	0.0000		C4159_1	C415964159001			J.
C. GRIFFITH						RAINEY		4932500000	CFNU16	2	
WSRC4159	80.0	0.8109	0.6681	0	0						
** Modeled as a single on-channel reservoir.											
WR416031	0.0	UNIFO19741015	1	2	0.0000		C4160_1	C416064160301			WOODROW
W. GRIFFITH						RAINEY		4932050000	CFNU16	2	
WSRC4160	94.0	0.8109	0.6681	0	0						
** Certificates 4139 & 4165 are modeled as BACKUPS to Certificate 4161.											
WR416131	25690.	MUN119370325	1	2	0.0000		C4161_1	ABILFPH64161001			CITY
OF ABILENE						ELM CRK		4901000000	CFNU16	2	
WSFPNHR	61598.				0						
WR416131	4000.	IND119370325	1	2	0.0000		C4161_2	ABILFPH64161001			CITY
OF ABILENE						ELM CRK		4901000000	CFNU16	2	
WSFPNHR	61598.				0						
SO						BACKUP					
WR416131	1000.	IRR119370325	1	2	0.0000		C4161_3	ABILFPH64161001			CITY
OF ABILENE						ELM CRK		4901000000	CFNU16	2	
WSFPNHR	61598.				0						
SO						BACKUP					
***** Subordination with PK *****											
WR416131	0.0	MUN119490803	1	2	0.0000		C4139S1	ABILFPH MUNJONE			CITY OF
ABILENE						CLEAR FRK BRAZOS RIVER		5190000000	CFNU16	2	
WSFPNHR	61598.				0						
SO	59862.	30000.	413931			BACKUP					
PX	1										
WR416131	0.0	MUN119490803	1	2	0.0000		C4139_1	ABILFPH MUNJONE			CITY OF
ABILENE						CLEAR FRK BRAZOS RIVER		5190000000	CFNU16	2	
WSFPNHR	61598.				0						
SO	59862.	30000.	413931			BACKUP					
PX	2		2	515531							

WR416131	0.	MUN119540903	1	2	0.0000		C4165_1	ABILFPH64165001			CITY
OF ABILENE						DEADMAN CRK		4890000000	CFNU16	2	
WSFPNHR	61598.				0						
SO		3000.	416501			BACKUP					
WR413931	0.	MUN119490803	1	2	0.0000		C4139_2	ABILFPH64139001			CITY
OF ABILENE						DEADMAN CRK			CFNU16		
WSRC4139	608.	0.8109	0.6681	0	0						
WR414103	69.0	IRR119670531	1	2	0.0000		C4141_1	C414164141003			DOLLY
KEESEE						ELM CRK		4899750000	CFNU16	2	

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WR416301	44.0	IRR119591231	1	2	0.0000		C4163_1	C416364163001			BILLY
MAC COOK						CLEAR FRK BRAZOS RIVER		4897500000	CFNU16	2	
WR416202	179.	IRR119591231	1	2	0.0000		C4162_1	C416264162002			JAMES
H. ICE						CLEAR FRK BRAZOS RIVER		4897000000	CFNU16	2	
WR416401	32.0	IRR119661231	1	2	0.0000		C4164_1	C416464164001			J.
N. MONTGOMERY & WIFE						DEADMAN CRK		4890500000	CFFG18	2	
WR416601	32.0	IRR119651231	1	2	0.0000		C4166_1	C416664166001			IRLENE
M SMITH ET AL						DEADMAN CRK		4889500000	CFFG18	D 2	
** All water available to this right is treated effluent discharged from City of Abilene treatment plant.											
WR426641	4330.0	IRR119850702	1	2	0.0000		P4266_1	P426614266001			CITY
OF ABILENE						DEADMAN CRK		4888000000	CFFG18	2	
WSRP4266	1004.	0.2710	0.8958	0	0						
SO						103341					
WR416731	40.0	MIN119670828	1	2	0.0000		C4167_1	C416764167001			GEOCHEMICAL
SURVEYS						DEADMAN CRK		4887000000	CFFG18	2	
WSRC4167	6.4	0.8109	0.6681	0	0						
WR416701	60.0	IRR119611231	1	2	0.0000		C4767_1	C476764767001			FIRST
NATL BK ABILENE ET AL						DEADMAN CRK		4885970000	CFFG18	2	
** WR/WS/SO/IF Records added/changed for C4169, RICHARD SCHKADE.											
** Right modified by changing 5 acft from irrigation to mining use.											
WR416901	62.0	IRR119701019	1	2	0.0000		C4169_1	C416964169001			RICHARD
SCHKADE						DEADMAN CRK		4885200000	CFFG18	2	
WR416902	5.0	MIN119701019	1	2	0.0000		C4169_2	C416964169002			RICHARD
SCHKADE						DEADMAN CRK		4885200000	CFFG18	2	
WR417003	200.	IRR119620731	1	2	0.0000		C4170_1	C417064170003			J
M ALEXANDER RANCH CO LTD						DEADMAN CRK		4885000000	CFFG18	2	
WR417111	310.	IRR119181231	1	2	0.0000		C4171_1	C417164171101			MARY
LOIS WILSON						CLEAR FRK BRAZOS RIVER		4872000000	CFFG18	2	
WR417202	92.0	IRR119630731	1	2	0.0000		C4172_1	C417264172002			VIOLET
H FRAZIER						CLEAR FRK BRAZOS RIVER		4871000000	CFFG18	2	
WR417301	40.0	IRR119650731	1	2	0.0000		C4173_1	C417364173001			VIOLET
H FRAZIER						CLEAR FRK BRAZOS RIVER		4866000000	CFFG18	2	
WR417431	0.0	UNIFO19181002	1	2	0.0000		C4174_1	C417464174301			CITY
OF STAMFORD						CLEAR FRK BRAZOS RIVER		4860000000	CFFG18	2	
WSRC4174	375.	0.8109	0.6681	0	0						
WR417501	21.0	D&L119260701	1	2	0.0000		C4175_1	C417564175001			H
R STASNEY & SONS LTD						CLEAR FRK BRAZOS RIVER		4800000000	CFFG18	2	
WR417531	0.0	D&L119341123	1	2	0.0000		C4175_2	C417564175001			H
R STASNEY & SONS LTD						CLEAR FRK BRAZOS RIVER		4800000000	CFFG18	2	
WSRC4175	108.	0.8109	0.6681	0	0						
SO						BACKUP					
WR417501	63.0	MIN119260701	1	1	1.0000		C4175_3	C417564175001			H
R STASNEY & SONS LTD						CLEAR FRK BRAZOS RIVER		4800000000	CFFG18	2	
WR417531	0.0	MIN119341123	1	2	0.0000		C4175_4	C417564175001			H
R STASNEY & SONS LTD						CLEAR FRK BRAZOS RIVER		4800000000	CFFG18	2	
WSRC4175	108.	0.8109	0.6681	0	0						
SO						BACKUP					
WR417631	120.	IRR119621231	1	2	0.0000		C4176_1	C417664176001			JOSEPH
ELMER COX						STINK CRK		4719000000	CFFG18	D 2	
WSRC4176	1.0	0.8109	0.6681	0	0						
WR417731	95.0	IRR119551231	1	2	0.0000		C4177_1	C417764177002			W.
B. GRIFFITH ETAL						PAINT CRK		4718500000	CFFG18	2	
WSRC4177	18.0	0.8109	0.6681	0	0						
** Two reservoirs modeled as a single reservoir.											
WR417831	78.0	IRR119551231	1	2	0.0000		C4178_1	C417864178004			EMILEE
G. GOFF ETAL						TRIBS PAINT CRK		4717000000	CFFG18	2	
WSRC4178	30.0	0.8109	0.6681	0	0						
** College Lake allowed to release water to supplement Lake Stamford.											
WR417931	10000.	MUN119490608	1	2	0.0000		C4179_1	C417964179001			CITY
OF STAMFORD						PAINT CRK		4620000000	CFFG18	2	
WSSTMFRD	42618.					0					
WSRC4179	190.	0.8109	0.6681	0	0						
OR417932						-1					
** C4179, amended to allow diversion from a channel dam up to Lake Stamford.											
**Authorized storage of 705 acft in detention pond is not modeled due to special condition stating											
**that all water impounded is to be released as quickly as possible.											
**											
***** Subordination to PK *****											
WR417931	0.0	MUN119490608	1	4	R41791	417951	C4179S3	C4179 MUNHASK			CITY OF
STAMFORD						PAINT CRK		4620000000	CFFG18	2	
WSSTMFRD	42618.					0					
SO		10000.	417933			BACKUP					
PX	1										
WR417931	0.0	MUN119490608	1	4	R41791	417951	C4179_3	C4179 MUNHASK			CITY OF
STAMFORD						PAINT CRK		4620000000	CFFG18	2	
WSSTMFRD	42618.					0					
SO		10000.	417933			BACKUP					
PX	2		2	515531							

WR417932	0.0	UNIFO19490608	1	2	0.0000		C4179_2	C417964179005			CITY
OF STAMFORD						PAINT CRK		4620000000	CFFG18	2	
WSRC4179	190.	0.8109	0.6681	0	0						
WR418031	300.	MUN119390303	1	2	0.0000		C4180_1	C418064180001			CITY
OF HAMLIN						DRY CALIFORNIA		4619000000	CAST17	2	

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WSRC4180	1900.	0.8109	0.6681	0	0														
WR418131	542.	MUN119500418		1	2	0.0000			C4181_1	C418164181001									CITY
OF ANSON							THOMPSON			4618600000	CAST17	2							
WSRC4181	2500.	0.4897	0.7633	0	0														
WR418231	0.0	UNIF019750303		1	2	0.0000			C4182_1	C418264182301									CITY
OF ANSON							CARTER CRK			4618500000	CAST17	2							
WSRC4182	560.	0.8109	0.6681	0	0														
** Right contingent upon availability of sewage effluent from the City of Anson. Since																			
** discharge records are not available from the City of Anson, remove right.																			
**WR418331	150.	IRR119780508		1	2	0.0000			C4183_1	C418364183001									MARSHALL
D. O'DELL							CARTER CRK			4618400000	CAST17	B	2						
**WSRC4183	7.0	0.8109	0.6681	0	0														
WR418432	7.0	IRR119770725		1	2	0.0000			C4184_1	C418464184002									HASKELL
COUNTY COUNTRY CLUB							RED CRK			4616900000	CFFG18	2							
WSRC4184	75.0	0.8109	0.6681	0	0														
IF418502	362.	UNIF019750714		1															IFC4185_1
WR418502	10.0	IRR119750714		1	2	0.0000			C4185_1	C418564185002									ERNEST
D. FINCHER							CLEAR FRK BRAZOS RIVER			4606000000	CFFG18	2							
WR418541	0.0	IRR119750714		1	2	0.0000			C4185_2	C418564185401									ERNEST
D. FINCHER							CLEAR FRK BRAZOS RIVER			4606000000	CFFG18	2							
WSRC4185	10.0	0.8109	0.6681	0	0														
** Diversions from Clear Fork into the reservoir not allowed May through August.																			
WR418631	20.0	IRR119660916		1	2	0.0000			C4186_1	C418664186002									RAYMOND
C TAYLOR ET AL							CLEAR FRK BRAZOS RIVER			4602000000	CFEL22	2							
WSRC4186	60.0	0.8109	0.6681	0	0														
WR418631	0.0	IRR119660916		1	2	0.0000			C4186_2	C418664186002									RAYMOND
C TAYLOR ET AL							CLEAR FRK BRAZOS RIVER			4602000000	CFEL22	2							
WSRC4186	60.0	0.8109	0.6681	0	0														
SO		43.	418601				BACKUP												
ML	43.	43.	43.	43.	0.	0.	0.	0.	43.	43.	43.	43.							
WR418701	300.	IRR119521231		1	2	0.0000			C4187_1	C418764187001									BRECKENRIDGE
PARTNERSHIP LTD							CLEAR FRK BRAZOS RIVER			4596000000	CFEL22	2							
WR418801	40.0	IRR119141231		1	2	0.0000			C4188_1	C418864188001									T
C HARRIS JR							CLEAR FRK BRAZOS RIVER			4595500000	CFEL22	2							
WR418911	69.0	IRR119580831		1	2	0.0000			C4189_1	C418964189101									BRECKENRIDGE
PARTNERSHIP LTD							CLEAR FRK BRAZOS RIVER			4594500000	CFEL22	2							
WR419001	70.0	IRR119491231		1	2	0.0000			C4190_1	C419064190001									BRECKENRIDGE
PARTNERSHIP LTD							CLEAR FRK BRAZOS RIVER			4594000000	CFEL22	2							
**WR419104	195.	IRR119640531		1	2	0.0000			C4191_1	C419164191004									M
RAY PUCKETT EST ET AL							GIVENS			4591000000	CFEL22	2							
** Bandy application 12-4191, New diversion point diverts 96.4122 out of original 195, jd - 3/30/04																			
WR419104	98.5878	IRR119640531		1	2	0.0000			C4191_1	C419164191004									M
RAY PUCKETT EST ET AL							GIVENS			4591000000	CFEL22	2							
WR419105	96.4122	BANDY19640531		1	2	0.0000			C4191_2	C419164191004									M
RAY PUCKETT EST ET AL							GIVENS			4591000000	CFEL22	2							
**																			
WR419201	30.0	IRR119151231		1	2	0.0000			C4192_1	C419264192001									MRS.
W. R. POWERS ESTATE							CLEAR FRK BRAZOS RIVER			4589000000	CFEL22	2							
WR419331	0.0	D&L119200413		1	2	0.0000			C4193_1	C419364193301									MONTY
CHRIS CLEVELAND							CLEAR FRK BRAZOS RIVER			4587000000	CFEL22	2							
WSRC4193	165.	0.8109	0.6681	0	0														
WR419431	60.0	MUN119630314		1	2	0.0000			C4194_1	C419464194001									CITY
OF WOODSON							KINGS CRK			4582000000	CFEL22	2							
WSRC4194	1003.	0.8109	0.6681	0	0														
WR419501	22.0	IRR119620630		1	2	0.0000			C4195_1	C419564195001									GILBERT
E BRANDENBERGER ET UX							CLEAR FRK BRAZOS RIVER			4569000000	CFEL22	2							
WR419601	18.0	IRR119670520		1	2	0.0000			C4196_1	C419664196001									JOE
DAVIS							CLEAR FRK BRAZOS RIVER			4567000000	CFEL22	2							
WR419701	20.0	IRR119551231		1	2	0.0000			C4197_1	C419764197001									J
W SULLIVAN							CLEAR FRK BRAZOS RIVER			4566000000	CFEL22	2							
WR419831	0.0	D&L119200216		1	2	0.0000			C4198_1	C419864198301									MONTY
CHRIS CLEVELAND							CLEAR FRK BRAZOS RIVER			4560000000	CFEL22	2							
WSRC4198	430.	0.8109	0.6681	0	0														
WR420831	600.	MUN119410325		1	2	0.0000			C4208_1	C420864208001									CITY
OF ALBANY							SALT PRONG			4543000000	HCAL19	2							
WSRC4208	2600.	0.8109	0.6681	0	0														
** Diversion and previous reservoir size expired, 200 acft storage is all that remains after expiration.																			
** Do not comment out as regular type A term permit.																			
WR420001	0.0	UNIF019761115		1	2	0.0000			C4200_1	C420064200001									CHARLES
EZZELL ET UX							E FRK BRUSHY			4505000000	HCAL19	A	2						
WSRC4200	200.	0.8109	0.6681	0	0														
WR420131	0.0	D&L119140619		1	2	0.0000			C4201_1	C420164201301									CITY
OF BAIRD							MEXIA			4501000000	HCAL19	2							
WSRC4201	390.	0.4897	0.7633	0	0														
WR420231	550.	MUN119490706		1	2	0.0000			C4202_1	C420264202001									CITY
OF BAIRD							MEXIA			4500000000	HCAL19	2							
WSRC4202	2070.	0.4897	0.7633	0	0														
WR420332	24.0	IRR119630731		1	2	0.0000			C4203_1	C420364203001									"A.
E. DYER, JR."							MEXIA			4499000000	HCAL19	2							
WSRC4203	7.5	0.4897	0.7633	0	0														
WR420401	16.0	IRR119630731		1	2	0.0000			C4204_1	C420464204001									KENNETH
M GEORGE & WIFE							MEXIA			4458000000	HCAL19	2							
WR420503	50.0	IRR119461231		1	2	0.0000			C4205_1	C420564205003									EUGENE
LEE FINLEY							MEXIA			4457500000	HCAL19	2							

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WR421331	6000.	MIN119570528	1	2	0.0000		C4213_8	C4213	MINSTEP			WEST
CENTRAL TEXAS MWD						HUBBARD		4255000000	HCBR21		2	
WSHUBBRD	312357.											
PX	2	2	515531									
WR421331	2000.	IRR119720814	1	2	0.0000		C4213S9	C4213	IRRSTEP			WEST
CENTRAL TEXAS MWD						HUBBARD		4255000000	HCBR21	A	2	
WSHUBBRD	312357.											
PX	1											
WR421331	2000.	IRR119720814	1	2	0.0000		C4213_9	C4213	IRRSTEP			WEST
CENTRAL TEXAS MWD						HUBBARD		4255000000	HCBR21	A	2	
WSHUBBRD	312357.											
PX	2	2	515531									

WR421531	6.0	IRR119470731	1	2	0.0000		C4215_1	C421564215001				T.
C. FAMBRO & SONS						GONZALES CRK		4210100000	CFEL22		2	
WSRC4215	7.0	0.8109	0.6681			0						
WR421431	2100.	MUN119460426	1	4	R42131	100401	C4214_1	C421464214001				CITY
OF BRECKENRIDGE						GONZALES CRK		4210000000	CFEL22		2	
WSDANIEL	8883.					0						
WR421602	30.0	IRR119660430	1	2	0.0000		C4216_1	C421664216002				SARAH
SATTERWHITE						GONZALES CRK		4125000000	CFEL22		2	
WR421731	218.	MIN119750428	1	2	0.0000		C4217_1	C421764217001				SWANSON
MULESHOE RANCH LTD						BIG CRK		4115010000	CFEL22	B	2	
WSRC4217	375.	0.8109	0.6681			0						
WR421802	32.0	IRR119550630	1	2	0.0000		C4218_1	C421864218002				JACK
T ROBERTSON JR						HUBBARD		4083100000	CFEL22		2	
WR421902	22.0	IRR119451231	1	2	0.0000		C4219_1	C421964219002				ELLA
PEARL ROBERTSON						HUBBARD		4083050000	CFEL22		2	
WR422001	39.0	IRR119640430	1	2	0.0000		C4220_1	C422064220001				ELLA
PEARL ROBERTSON						HUBBARD		4083000000	CFEL22		2	
WR422101	42.0	IRR119490831	1	2	0.0000		C4221_1	C422164221001				ELLA
PEARL ROBERTSON						HUBBARD		4082950000	CFEL22		2	
WR419931	98.0	IRR119241231	1	2	0.0000		C4199_1	C419964199003				OWEN
D WOODWARD						CLEAR FRK BRAZOS RIVER		4082900000	CFEL22		2	
WSRC4199	3.0	0.8109	0.6681			0						
WR419931	0.0	IRR119241231	1	2	0.0000		C4199_2	C419964199003				OWEN
D WOODWARD						CLEAR FRK BRAZOS RIVER		4082900000	CFEL22		2	
WSRC4199	3.0	0.8109	0.6681			0						
SO	98.	419901				BACKUP						
WR422201	45.0	IRR119610430	1	2	0.0000		C4222_1	C422264222001				ELLA
PEARL ROBERTSON						CLEAR FRK BRAZOS RIVER		4055500000	CFEL22		2	
WR422301	97.0	IND119260601	1	2	0.0000		C4223_1	C422364223001				BRECKENRIDGE
GASOLINE CO						CLEAR FRK BRAZOS RIVER		3995500000	CFEL22		2	
WR422431	0.0	UNIFO19200316	1	2	0.0000		C4224_1	C422464224301				BRECKENRIDGE
GASOLINE CO.						CLEAR FRK BRAZOS RIVER		3970000000	CFEL22		2	
WSRC4224	454.	0.8109	0.6681			0						
WR422501	30.0	IRR119541231	1	2	0.0000		C4225_1	C422564225001				E
E RILEY						CLEAR FRK BRAZOS RIVER		3965500000	BRBS23		2	
WR422601	628.	IRR119610630	1	2	0.0000		C4226_1	C422664226001				SAMUEL
JOHN ROACH						CLEAR FRK BRAZOS RIVER		3961000000	BRBS23		2	
WR422701	181.	IRR119460831	1	2	0.0000		C4227_1	C422764227001				"C.
R. BALDWIN, JR."						CLEAR FRK BRAZOS RIVER		3960500000	BRBS23		2	
WR416801	15.0	IRR119560531	1	2	0.0000		C4168_1	C416864168001				ZOHN
MILAM						CLEAR FRK BRAZOS RIVER		3951000000	BRBS23		2	
WR345301	100.	MIN119601219	1	1	1.0000		C3453_1	C345363453001				PITCOCK
BROTHERS READY-MIX						BRAZOS RIVER		3832000000	SHGR26		2	
WR345431	64.0	IRR119650831	1	2	0.0000		C3454_1	C345463454001				ROBERT
O ANDREWS FAMILY TRUST						SALT CRK		3826000000	GHGH24		2	
WSRC3454	4.0	0.8109	0.6681			0						
** Do not model, because right is contingent on contract with City of Graham.												
**WR516501	376.	MIN119871222	1	2	0.0000		P5165_1	P516515165001				PARKER&PARSLEY
DEVELOPMENT CO						SALT CRK		3814000000	NAEA66		2	
WR345501	76.0	IND119670630	1	2	0.0000		C3455_1	C345563455001				CHARLES
D CROW & WANDA L CROW						HOWARD CRK		3812800000	GHGH24		2	
WR345501	6.0	IND119770620	1	2	0.0000		C3455_2	C345563455001				CHARLES
D CROW & WANDA L CROW						HOWARD CRK		3812800000	GHGH24		2	
WSRC3455	82.0	0.8109	0.6681			0						
WR345632	59.0	IRR119591231	1	2	0.0000		C3456_1	C345663456002				RONALD
D STEPHENS						SALT CRK		3810000000	GHGH24		2	
WSRC3456	55.0	0.8109	0.6681			0						
WR345732	60.0	IRR119691208	1	2	0.0000		C3457_1	C345763457002				LOUIS
PITCOCK JR ET AL						BRIAR BR		3808500000	GHGH24		2	
WSRC3457	24.0	0.8109	0.6681			0						
WR345911	12.0	IRR119640831	1	2	0.0000		C3459_1	C345963459101				ZACK
BURKETT						SALT CRK		3808250000	GHGH24		2	
WR346001	76.0	IRR119280820	1	2	0.0000		C3460_1	C346063460001				EAFCO
LIMITED PARTNERSHIP						SALT CRK		3807500000	SHGR26		2	
** Model Lakes Eddleman and Graham as a single combined reservoir. Control Point D34583												
** is a dummy control point that utilizes the combined watersheds of both reservoirs.												
WRD34583	4000.	MUN119271121	1	4	R34581	104871	C3458_1	C345863458004				CITY
OF GRAHAM						FLINT CRK		3805000000	GHGH24		2	
WSEDLGRM	4503.					0						
WRD34583	1000.	IND119271121	1	2	0.0000		C3458_2	C345863458004				CITY
OF GRAHAM						FLINT CRK		3805000000	GHGH24		2	

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WR515531 237. RIVER AUTHORITY WSPOSDOM 522047. PX 1	MUN219380406	1 2 0.0000	BRAZOS RIVER	0	C5155_2	C515565155001 3470000000 SHGR26	3	BRAZOS
WR515531 1200. RIVER AUTHORITY WSPOSDOM 522047. PX 1	MUN219380406	1 4 R43551 101102	BRAZOS RIVER	0	C5155_3	C515565155001 3470000000 SHGR26	3	BRAZOS
WR515531 315. RIVER AUTHORITY WSPOSDOM 522047. PX 1	MUN219380406	1 4 R51711 106271	BRAZOS RIVER	0	C5155_4	C515565155001 3470000000 SHGR26	3	BRAZOS
WR515531 473. RIVER AUTHORITY WSPOSDOM 522047. PX 1	MUN219380406	1 4 R51711 104101	BRAZOS RIVER	0	C5155_5	C515565155001 3470000000 SHGR26	3	BRAZOS
WR515531 2051. RIVER AUTHORITY WSPOSDOM 522047. PX 1	MUN219380406	1 4 R51711 105685	BRAZOS RIVER	0	C5155_6	C515565155001 3470000000 SHGR26	3	BRAZOS
WR515531 3549. RIVER AUTHORITY WSPOSDOM 522047. PX 1	MUN219380406	1 4 R51711 103751	BRAZOS RIVER	0	C5155_7	C515565155001 3470000000 SHGR26	3	BRAZOS
WR515531 1499. RIVER AUTHORITY WSPOSDOM 522047. PX 1	MUN219380406	1 4 R51711 101731	BRAZOS RIVER	0	C5155_8	C515565155001 3470000000 SHGR26	3	BRAZOS
WR515531 40753. RIVER AUTHORITY WSPOSDOM 522047. PX 1	MUN219380406	1 2 0.0000	BRAZOS RIVER	0	C5155_9	C515565155001 3470000000 SHGR26	3	BRAZOS
WR515531 5240. RIVER AUTHORITY WSPOSDOM 522047. PX 1	MUN219380406	1 2 0.0000	BRAZOS RIVER	0	C5155_10	C515565155001 3470000000 SHGR26	3	BRAZOS
WR515531 168. RIVER AUTHORITY WSPOSDOM 522047. PX 1	IND219380406	1 2 0.0000	BRAZOS RIVER	0	C5155_11	C515565155001 3470000000 SHGR26	3	BRAZOS
WR515531 107447. RIVER AUTHORITY WSPOSDOM 522047. PX 1	IND219380406	1 2 0.0000	BRAZOS RIVER	0	C5155_12	C515565155001 3470000000 SHGR26	3	BRAZOS
WR515531 371. RIVER AUTHORITY WSPOSDOM 522047. PX 1	IND219380406	1 2 0.0000	BRAZOS RIVER	0	C5155_13	C515565155001 3470000000 SHGR26	3	BRAZOS
WR515531 31538. RIVER AUTHORITY WSPOSDOM 522047. PX 1	IND219380406	1 2 0.0000	BRAZOS RIVER	0	C5155_14	C515565155001 3470000000 SHGR26	3	BRAZOS
WR515531 1273. RIVER AUTHORITY WSPOSDOM 522047. PX 1	IRR219380406	1 2 0.0000	BRAZOS RIVER	0	C5155_15	C515565155001 3470000000 SHGR26	3	BRAZOS
WR515531 840. RIVER AUTHORITY WSPOSDOM 522047. PX 1	IRR219380406	1 2 0.0000	BRAZOS RIVER	0	C5155_16	C515565155001 3470000000 SHGR26	3	BRAZOS
WR515531 10099. RIVER AUTHORITY WSPOSDOM 522047. PX 1	IRR219380406	1 2 0.0000	BRAZOS RIVER	0	C5155_17	C515565155001 3470000000 SHGR26	3	BRAZOS
WR515531 18924. RIVER AUTHORITY WSPOSDOM 522047. PX 1	MIN219380406	1 2 0.0000	BRAZOS RIVER	0	C5155_18	C515565155001 3470000000 SHGR26	3	BRAZOS
WR515531 158. RIVER AUTHORITY WSPOSDOM 522047. PX 1	MIN219380406	1 2 0.0000	BRAZOS RIVER	0	C5155_19	C515565155001 3470000000 SHGR26	3	BRAZOS
WR515531 15. RIVER AUTHORITY WSPOSDOM 522047. PX 1	MIN219380406	1 2 0.0000	BRAZOS RIVER	0	C5155_20	C515565155001 3470000000 SHGR26	3	BRAZOS
WR515531 3600. WSPOSDOM 522047. PX 1	HYD219380406	1 2 0.0000		0	C5155_21	C515565155001		

** BRA and Brazos Electric Utilities hold a 3,600 acft/yr contract that represents the firm yield
 ** lost from Possum Kingdom, Whitney, and Granbury due to FERC instream flow requirements at Possum
 ** Kingdom. Downstream releases for hydropower generation and contractual commitments will frequently
 ** satisfy the FERC requirements. Because the WAM does not include downstream releases to contractual
 ** commitments, inflows would be passed through the reservoir more frequently solely to satisfy the FERC

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** requirements. Do not model the the FERC requirements. Instead, include the 3,600 acft/yr contract as part
** of the authorized diversions from the reservoir with 100% returned immediately downstream.
**WR515531 3600. HYD219380406 3 1 1.0000 515551 C5155_21 C515565155001 BRAZOS
RIVER AUTHORITY BRAZOS RIVER 3470000000 SHGR26 3
**WSPOSDOM 522047. 0
**PX 3
** SysOp Change:
** Calculate the total depletion for water right 5155.
WRSR5155 19380406 Compute Dep 5155 SYSTEM
TO 6 1.0 ADD C5155_1 CONT
TO 6 1.0 ADD C5155_2 CONT
TO 6 1.0 ADD C5155_3 CONT
TO 6 1.0 ADD C5155_4 CONT
TO 6 1.0 ADD C5155_5 CONT
TO 6 1.0 ADD C5155_6 CONT
TO 6 1.0 ADD C5155_7 CONT
TO 6 1.0 ADD C5155_8 CONT
TO 6 1.0 ADD C5155_9 CONT
TO 6 1.0 ADD C5155_10 CONT
TO 6 1.0 ADD C5155_11 CONT
TO 6 1.0 ADD C5155_12 CONT
TO 6 1.0 ADD C5155_13 CONT
TO 6 1.0 ADD C5155_14 CONT
TO 6 1.0 ADD C5155_15 CONT
TO 6 1.0 ADD C5155_16 CONT
TO 6 1.0 ADD C5155_17 CONT
TO 6 1.0 ADD C5155_18 CONT
TO 6 1.0 ADD C5155_19 CONT
TO 6 1.0 ADD C5155_20 CONT
TO 6 1.0 ADD C5155_21 CONT
PX 4
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
WRSR5155 9999999 19380406 Depletion 5155 SYSTEM
PX 5
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
WR515531 0 19380406 1.0000 5155DP Lumped Dep 5155 SYSTEM lsimdep
TO 11 1.0 ADD Depletion 5155
PX 2
**
** Special code to output storage from first simulation
WRPK_dum 19380406 lsimPKstor look
TO 4 SET POSDOM
PX 4
WRPK_dum 9999999 XMONTH19380406 2simPKstor look
PX 5
** end FNI change
**
WR399901 25.0 IRR219560816 1 2 0.0000 C3999_1 C399963999001 MARVIN
H MCMURREY JR ETAL BRAZOS RIVER 3448000000 BRPP27 3
WR400001 31.0 IRR219630430 1 2 0.0000 C4000_1 C400064000001 CURTIS
MITCHELL BRAZOS RIVER 3427700000 BRDE29 3
WR400101 40.0 IRR219620531 1 2 0.0000 C4001_1 C400164001001 JENNIE
M & M F EWTON BRAZOS RIVER 3427400000 BRDE29 3
WR400231 15.0 IRR219651231 1 2 0.0000 C4002_1 C400264002001 MARJORIE
M YOWELL TRUSTEE TWO BUSH BR 3427300000 BRDE29 3
WSRC4002 200. 0.4897 0.7633 0 0
WR400331 41.0 IRR219740930 1 2 0.0000 C4003_1 C400364003001 MRS
G C MOORE MOORE CRK 3427270000 BRDE29 3
WSRC4003 197. 0.5228 0.8206 0 0
WR400401 5.0 MUN219320318 1 2 0.0000 C4004_1 C400464004001 CITY
OF GRAFORD E FRK KEECHI CRK 3427100000 BRDE29 3
WR400431 50.0 MUN219570201 1 2 0.0000 C4004_2 C400464004001 CITY
OF GRAFORD E FRK KEECHI CRK 3427100000 BRDE29 3
WSRC4004 50.0 0.5228 0.8206 0 0
** Two reservoirs modeled as a single reservoir.
WR400532 781. IRR219320430 1 2 0.0000 C4005_1 C400564005004 W.
J. RHODES ETAL BRAZOS RIVER 3411500000 BRDE29 3
WSRC4005 250. 0.5228 0.8206 0 0
WR400601 63.0 IRR219581231 1 2 0.0000 C4006_1 C400664006001 "SAN
ROC, LLC" POLLARD CRK 3409000000 BRDE29 3
** Right is contingent upon return flows from City of Mineral Wells under Certificate 4039.
WR400701 50.0 IRR219760607 1 2 0.0000 C4007_1 C400764007001 MARY
E. RIPPETOE POLLARD CRK 3408900000 BRDE29 B 3
SO 105852
WR400901 24.0 IRR219621231 1 2 0.0000 C4009_1 C400964009001 ERNEST
E. AMMONS BRAZOS RIVER 3408600000 BRDE29 3
WR400901 33.0 IRR219621231 1 2 0.0000 C4010_1 C401064009001 CHARLES
W. & JEAN WELCH BRAZOS RIVER 3408500000 BRDE29 3
WR400801 110. IRR219560701 1 2 0.0000 C4008_1 C400864008001 W.
A. CAREY BRAZOS RIVER 3408250000 BRDE29 3

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WR401101	8.0	IRR219660731	1	2	0.0000			C4011_1	C401164011001			"JACKIE
LEE CHASTAIN, ET AL"						BRAZOS RIVER			3407500000	BRDE29	3	
WR401431	500.	IRR219260412	1	2	0.0000			C4014_1	C401464014001			FRED
HAGAMAN ET AL						N FRK PALO PINTO CRK			3400000000	PPSA28	3	
WSRC4014	1158.	0.5228	0.8206			0	0					
WR401431	100.	IND219260412	1	2	0.0000			C4014_2	C401464014001			FRED
HAGAMAN ET AL						N FRK PALO PINTO CRK			3400000000	PPSA28	3	
WSRC4014	1158.	0.5228	0.8206			0	0					
WR401501	27.0	IRR219631231	1	2	0.0000			C4015_1	C401564015001			FRED
HAGAMAN ET AL						N FRK PALO PINTO CRK			3394500000	PPSA28	3	
WR401631	22.0	IRR219710517	1	2	0.0000			C4016_1	C401664016001			HUBERT
H CAPPS						RUSSELL CRK			3365500000	PPSA28	3	
WSRC4016	12.0	0.5228	0.8206			0	0					
WR401731	40.0	IRR219731119	1	2	0.0000			C4017_1	C401764017001			LYNDAL
D GARNER JR ET UX						RUSSELL CRK			3365300000	PPSA28	3	
WSRC4017	188.	0.5228	0.8206			0	0					
** Shares reservoir with C4017. Do not model 48 acft off-channel reservoir, because diversion from												
** on-channel reservoir can be used directly and is insufficient to refill off-channel reservoir												
** in a given year.												
WR401731	40.0	IRR219731119	1	2	0.0000			C4018_1	C401864018001			ROSS
HODGES						RUSSELL CRK			3365290000	PPSA28	3	
WSRC4017	188.0	0.5228	0.8206			0	0					
WR401931	160.	MUN219370419	1	2	0.0000			C4019_1	C401964019001			CITY
OF STRAWN						RUSSELL CRK			3360000000	PPSA28	3	
WSRC4019	1200.	0.5228	0.8206			0	0					
WR402001	362.	IRR219630215	1	2	0.0000			C4020_1	C402064020001			PERRY
R. HORTON ETAL						PALO PINTO CRK			3354100000	PPSA28	3	
WR402101	30.0	IRR219710301	1	2	0.0000			C4021_1	C402164021001			R.
J. CARAWAY						SALTY CRK			3353750000	PPSA28	3	
WR402101	41.0	MIN219710301	1	2	0.0000			C4021_2	C402164021001			R.
J. CARAWAY						SALTY CRK			3353750000	PPSA28	3	
WR402201	60.0	IRR219630430	1	2	0.0000			C4022_1	C402264022001			PENNY
SPARKS						PALO PINTO CRK			3353500000	PPSA28	3	
WR402331	30.0	IRR219640430	1	2	0.0000			C4023_1	C402364023001			A.
D. CRAWFORD						W FRK PALO PINTO CRK			3353000000	PPSA28	3	
WSRC4023	30.0	0.5228	0.8206			0	0					
WR402531	60.0	MUN219731015	1	2	0.0000			C4025_1	C402564025002			TARRANT
INVESTMENT CO INC						GIBSON CRK			3350490000	PPSA28	3	
WSRC4025	700.	0.5228	0.8206			0	0					
WR402531	30.0	MIN219731015	1	2	0.0000			C4025_2	C402564025002			TARRANT
INVESTMENT CO INC						GIBSON CRK			3350490000	PPSA28	3	
WSRC4025	700.	0.5228	0.8206			0	0					
WR402531	0.0	UNIFO19731015	1	2	0.0000			C4025_3	C402564025002			TARRANT
INVESTMENT CO INC						GIBSON CRK			3350490000	PPSA28	3	
WSRC4025	700.	0.5228	0.8206			0	0					
WR402531	20.0	MUN219731015	1	2	0.0000			C4026_1	C402664026001			"THURBER
LAKE RESORT, INC."						GIBSON CRK			3350485000	PPSA28	3	
WSRC4025	700.	0.5228	0.8206			0	0					
WR402531	0.0	UNIFO19731015	1	2	0.0000			C4026_2	C402664026001			"THURBER
LAKE RESORT, INC."						GIBSON CRK			3350485000	PPSA28	3	
WSRC4025	700.	0.5228	0.8206			0	0					
WR402731	80.0	IRR219650120	1	2	0.0000			C4027_1	C402764027001			JACK
R DAUGHERTY						GIBSON CRK			3350000000	PPSA28	3	
WSRC4027	969.	0.5228	0.8206			0	0					
WR402431	115.	MUN219730604	1	2	0.0000			C4024_1	C402464024001			CITY
OF GORDON						PANTHER CRK			3349500000	PPSA28	3	
WSRC4024	698.	0.5228	0.8206			0	0					
WR402432	45.0	MUN219780522	1	2	0.0000			C4024_2	C402464024002			CITY
OF GORDON						PANTHER CRK			3349500000	PPSA28	3	
WSLC4024	60.0	0.5228	0.8206			0	0					
WR402431	245.	MUN219911031	1	2	0.0000			C4024_3	C402464024001			CITY
OF GORDON						PANTHER CRK			3349500000	PPSA28	3	
WSRC4024	1023.	0.5228	0.8206			0	0					
WR402831	38.0	IRR219330531	1	2	0.0000			C4028_1	C402864028003			J
L MCDANIEL						BARTON CRK			3348750000	PPSA28	3	
WSRC4028	30.0	0.5228	0.8206			0	0					
WR402931	2.0	IRR219700105	1	2	0.0000			C4029_1	C402964029001			"EARL
WADDELL, INC."						DRY CRK			3348200000	PPSA28	3	
WSRC4029	26.0	0.5228	0.8206			0	0					
WR403031	0.0	UNIFO19770207	1	2	0.0000			C4030_1	C403064030301			"EARL
WADDELL, INC."						JOE'S CRK			3347500000	PPSA28	3	
WSRC4030	307.	0.5228	0.8206			0	0					
WR403201	16.0	IRR219650731	1	2	0.0000			C4032_1	C403264032001			CHARLIE
RAY COCKBURN						PALO PINTO CRK			3346000000	PPSA28	3	
** Four reservoirs combined into one single reservoir.												
WR403331	0.0	IND219720626	1	2	0.0000			C4033_1	C403364033001			JAMES
R. & JANICE MOORE						PALO PINTO CRK			3345800000	PPSA28	3	
WSRC4033	24.0	0.5228	0.8206			0	0					
WR403331	0.0	IND219720626	1	2	0.0000			C4033_2	C403364033001			JAMES
R. & JANICE MOORE						PALO PINTO CRK			3345800000	PPSA28	3	
WSRC4033	24.0	0.5228	0.8206			0	0					
SO		12.	403301			BACKUP						
WR403401	30.0	IRR219550331	1	2	0.0000			C4034_1	C403464034001			J
L MCDANIEL						BIG SUNDAY			3345710000	PPSA28	3	

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WR403501	5.0	IRR219631231	1	2	0.0000		C4035_1	C403564035001			J.
E. MCDANIEL						BIG SUNDAY		3345700000	PPSA28	3	
WR403631	55.0	IRR219771011	1	2	0.0000		C4036_1	C403664036001			"EARL
WADDELL, INC."						PANAMA CRK		3345550000	PPSA28	3	
WSRC4036	139.	0.5228	0.8206			0					
WR403701	100.	IRR219650430	1	2	0.0000		C4037_1	C403764037001			ROY
E SQUYRES ET AL						PALO PINTO CRK		3344500000	PPSA28	3	
WR403801	150.	IRR219640531	1	2	0.0000		C4038_1	C403864038001			HERMAN
PETTY						PALO PINTO CRK		3339500000	BRDE29	3	
** Total diversion amount of this right in conjunction with the C4039 is limited to 16,000 acft/yr.											
** The 1153 acft reservoir associated with P5447 is not included in operations with Lake Palo Pinto.											
** Returns apportioned to control points according to permitted discharge amounts.											
WR403131	5200.	MUN219620703	1	4	R40311	105852	C4031_1	C403164031001			PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3	
WSPLPNT0	24505.					0					
WR403131	2800.	MUN219620703	1	4	R40311	105851	C4031_2	C403164031001			PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3	
WSPLPNT0	24505.					0					
WR403131	1300.	MUN219620703	1	4	R40311	105852	C4031_3	C403164031001			PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3	
WSPLPNT0	24505.					0					
WR403131	700.	MUN219620703	1	4	R40311	105851	C4031_4	C403164031001			PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3	
WSPLPNT0	24505.					0					
WR403131	3480.	IND219620703	1	2	0.0000		C4031_5	C403164031001			PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3	
WSPLPNT0	24505.					0					
WR403131	0.0	MUN219640908	1	2	0.0000		C4031_6	C403164031001			PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	PPSA28	3	
WSPLPNT0	24505.					0					
WR403132	0.	MUN219640908	1	2	0.0000		C4031_7	C403164031002			PALO
PINTO CO MWD 1						PALO PINTO CRK		3337000000	BRDE29	3	
WSCD4031	24.0	0.5228	0.8206			0					
WR401201	236.	IRR219640930	1	2	0.0000		C4012_8	C401264012001			EARL
W. & ANITA GARDNER						PALO PINTO CRK AND BRAZOS RIVER		3335500000	BRDE29	3	
** IF states owner shall not divert water from the Brazos River during the period											
** June 1 through September 30 inclusive unless USGS gauge at Richmond is											
** equal to or greater than 1000 cfs. The 7 reservoirs were lumped together into 3 separate reservoirs.											
** The right is set up to use these reservoirs as backups since they are not allowed to refill from											
** the Brazos.											
IFBRR170	241987.	IFD03119471114				1	IFC4013_1				
WR401304	1329.	IRR219471114	1	2	0.0000		C4013_1	C401364013004			ROCKING
W RANCH LP						BRAZOS RIVER		3330000000	BRDE29	3	
WR401333	0.	IRR219471114	1	2	0.0000		C4013_2	C401364013007			ROCKING
W RANCH LP						BRAZOS RIVER		3330000000	BRDE29	3	
WS1C4013	442.	0.5228	0.8206			0					
SO						BACKUP					
WR401335	0.	IRR219471114	1	2	0.0000		C4013_3	C401364013009			ROCKING
W RANCH LP						BRAZOS RIVER		3330000000	BRDE29	3	
WS2C4013	120.	0.5228	0.8206			0					
SO						BACKUP					
WR401337	0.	IRR219471114	1	2	0.0000		C4013_4	C401364013011			ROCKING
W RANCH LP						BRAZOS RIVER		3330000000	BRDE29	3	
WS3C4013	84.	0.5228	0.8206			0					
SO						BACKUP					
IFBRR170	0	IFD03119471114				1	IFC4013_2				
** This reservoir is associated with C4031, but not used in the operations of that system.											
WR544731	0.0	UNIFO99999999	1	2	0.0000		P5447_1	P544715447301			PALO
PINTO M W D #1						UNNAMED TRIB		3328000000	BRDE29	3	
WSRP5447	1153.	0.5228	0.8206			0					
WR403931	1092.	MUN219201115	1	4	R40311	105852	C4039_1	C403964039001			CITY
OF MINERAL WELLS						ROCK CRK		3325000000	BRDE29	3	
WSMNRLWL	5024.					0					
WR403931	588.	MUN219201115	1	4	R40311	105851	C4039_2	C403964039001			CITY
OF MINERAL WELLS						ROCK CRK		3325000000	BRDE29	3	
WSMNRLWL	5024.					0					
WR403931	546.	MUN219430322	1	4	R40311	105852	C4039_3	C403964039001			CITY
OF MINERAL WELLS						ROCK CRK		3325000000	BRDE29	3	
WSMNRLWL	5024.					0					
WR403931	294.	MUN219430322	1	4	R40311	105851	C4039_4	C403964039001			CITY
OF MINERAL WELLS						ROCK CRK		3325000000	BRDE29	3	
WSMNRLWL	5024.					0					
WR404031	8.0	IRR219661031	1	2	0.0000		C4040_1	C404064040001			DELMAR
& MARTHA JANE KING						UNNAMED TRIB		3314500000	BRDE29	3	
WS1C4040	10.0	0.5228	0.8206			0					
WR404032	30.0	IRR219820426	1	2	0.0000		C4040_2	C404064040002			DELMAR
& MARTHA JANE KING						UNNAMED TRIB		3314500000	BRDE29	3	
WS2C4040	50.0	0.5228	0.8206			0					
WR404131	8.0	IRR219650831	1	2	0.0000		C4041_1	C404164041001			R
E WALDEN						DRY CRK		3314150000	BRDE29	3	
WSRC4041	8.0	0.5228	0.8206			0					
WR404231	42.0	IRR219650831	1	2	0.0000		C4042_1	C404264042001			R
E WALDEN						DRY CRK		3314000000	BRDE29	3	
WSRC4042	30.0	0.5228	0.8206			0					

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**WR386201	45.0	IND219820222	1	2	0.0000		P3862_1	P386213862001				BERNARR
N PRITCHARD ET UX						DRY CRK		3313200000	BRDE29	A	3	
**WR386241	0.0	IND219820222	1	2	0.0000		P3862_2	P386213862001				BERNARR
N PRITCHARD ET UX						DRY CRK		3313200000	BRDE29	A	3	
WSRP3862	17.3	0.5228	0.8206		0	0						
** WSA - This right is contingent on a water supply agreement with the BRA for 90 acft municipal.												
** Because priority is junior to Lake Granger, this right will have no effect on Lake Granger.												
WR5164P1	90.0	MUN219871211	1	2	0.0000		P5164_1	P516415164001				MILLSAP
WATER SUPPLY CORP						WILSON CRK		3313010000	BRDE29		3	
WSRONNIE	215.	0.5228	0.8206		0	0						
WR404331	100.	IRR219700817	1	2	0.0000		C4043_1	C404364043001				H.
L. BRANSON						HILL CRK		3306000000	BRDE29		3	
WSRC4043	162.	0.5228	0.8206		0	0						
WR404401	149.	IRR219570731	1	2	0.0000		C4044_1	C404464044001				D.
C. WOODRUFF						BRAZOS RIVER		3301000000	BRDE29		3	
WR404501	75.0	IRR219581231	1	2	0.0000		C4045_1	C404564045001				LARRY
& DAVID NASH						BRAZOS RIVER		3298620000	BRGR30		3	
WR404601	69.0	IRR219601231	1	2	0.0000		C4046_1	C404664046001				KENNETH
W. FULLER						BRAZOS RIVER		3298600000	BRGR30		3	
WR404701	290.	IRR219641031	1	2	0.0000		C4047_1	C404764047001				ADELAIDE
ELIZABETH BIGGS						BRAZOS RIVER		3298000000	BRGR30		3	
WR404831	25.0	IRR219761108	1	2	0.0000		C4048_1	C404864048001				H
D HOWARD						KICKAPOO CRK		3296700000	BRGR30		3	
WSRC4048	105.	0.5228	0.8206		0	0						
WR404831	35.0	MUN219761108	1	2	0.0000		C4048_2	C404864048001				H
D HOWARD						KICKAPOO CRK		3296700000	BRGR30		3	
WSRC4048	105.	0.5228	0.8206		0	0						
WR404831	0.0	MUN219761108	1	2	0.0000		C4048_3	C404864048001				H
D HOWARD						KICKAPOO CRK		3296700000	BRGR30		3	
WSRC4048	105.	0.5228	0.8206		0	0						
WR405031	23.0	IRR219640430	1	2	0.0000		C4050_1	C405064050001				FRED
L THORMANN						KICKAPOO CRK		3296000000	BRGR30		3	
WSRC4050	2.0	0.5228	0.8206		0	0						
WR404932	12.0	IRR219640430	1	2	0.0000		C4049_1	C404964049002				FRED
L THORMANN						KICKAPOO CRK		3295900000	BRGR30		3	
WSRC4049	2.0	0.5228	0.8206		0	0						
WR405101	166.	IRR219541231	1	2	0.0000		C4051_1	C405164051001				GRACE
W CARTWRIGHT ET AL						BRAZOS RIVER		3294500000	BRGR30		3	
WR405332	0.0	UNIFO19750113	1	2	0.0000		C4053_1	C405364053302				WESTERN
LAKE EST. OWNERS ASSN.						HART CRK		3294440000	BRGR30		3	
WSRC4053	238.	0.5228	0.8206		0	0						
** Combined three off-channel reservoirs into one.												
** Added mining diversion												
WR405241	760.	IRR219540731	1	2	0.0000		C4052_1	C405264052001				TXI
OPERATIONS LP						BRAZOS RIVER		3294400000	BRGR30		3	
WSRC4052	3.0	0.2710	0.8958		0	0						
SO		760.	405201									
WR405202	0.	MIN219540731	1	2	0.0000		C4052_2	C405264052002				TXI
OPERATIONS LP						BRAZOS RIVER		3294400000	BRGR30		3	
WR405401	12.15	IRR219620731	1	2	0.0000		C4054_1	C405464054001				JESSE
T CROWDER JR TRUST						BRAZOS RIVER		3293120000	BRGR30		3	
WR405401	26.85	IRR219620731	1	2	0.0000		C4054_2	C405464054001				JOHN
WESSLER ET AL						BRAZOS RIVER		3293120000	BRGR30		3	
WR405501	42.0	IRR219550731	1	2	0.0000		C4055_1	C405564055001				MCI
LAND COMPANY						LONG CRK		3293000000	BRGR30		3	
** Changed diversion location to most downstream diversion point												
WR411404	300.	IRR219550731	1	2	0.0000		C4114_1	C411464114004				THOMAS
BROTHERS GRASS LTD						LONG CRK		3292990000	BRGR30		3	
WR405631	144.	IRR219670831	1	2	0.0000		C4056_1	C405664056001				"BANK
ONE TEXAS NA, TRUSTEE"						STAR HOLLOW		3292900000	BRGR30		3	
WSRC4056	1454.	0.5228	0.8206		0	0						
WR405701	109.	IRR219620630	1	2	0.0000		C4057_1	C405764057001				MARY
L & C W KILLOUGH						BRAZOS RIVER		3292660000	BRGR30	D	3	
WR405901	35.0	IRR219631231	1	2	0.0000		C4059_1	C405964059001				HELEN
T DURHAM ESTATE						BRAZOS RIVER		3292600000	BRGR30		3	
WR406101	65.0	IRR219560531	1	2	0.0000		C4061_1	C406164061001				BURTON
S BURKS SR ET AL						BRAZOS RIVER		3292580000	BRGR30	D	3	
WR405831	0.0	UNIFO19761220	1	2	0.0000		C4058_1	C405864058301				OAK
TRAIL OWNERS ASSOCIATION						UNNAMED TRIB		3292570000	BRGR30		3	
WSRC4058	24.0	0.5228	0.8206		0	0						
** Changed diversion location to new diversion point												
WR406204	383.	IRR219551231	1	2	0.0000		C4062_1	C406264062004				THOMAS
FAMILY TRUST						BRAZOS RIVER		3292550000	BRGR30	D	3	
WR406301	348.	IRR219630731	1	2	0.0000		C4063_1	C406364063001				FRED
GRIMES ET AL						BRAZOS RIVER		3292400000	BRGR30		3	
** 172 acft of this right was severed and transferred to C4072.												
WR406401	25.	IRR219631231	1	2	0.0000		C4064_1	C406464064001				BURTON
S BURKS JR						BRAZOS RIVER		3291750000	BRGR30	D	3	
WR407201	172.	IRR219631231	1	2	0.0000		C4072_2	C407264072001				JAMES
E ANTHONY ET AL						BRAZOS RIVER		3289100000	BRGR30		5	
WR406001	616.	IRR219500731	1	2	0.0000		C4060_1	C406064060001				LORENE
DURHAM ESTATE ET AL						BRAZOS RIVER		3291530000	BRGR30	D	3	
WR406631	0.0	UNIFO19761220	1	2	0.0000		C4066_1	C406664066301				COMANCHE
HARBOR OWNERS ASSOC						BRAZOS RIVER		3291450000	BRGR30		3	

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WSRC4066	43.0	0.5228	0.8206	0	0							
WR406501	84.0	IRR219630831		1	2	0.0000		C4065_1	C406564065001			ROBERT
& C J WHITEHEAD							BRAZOS RIVER		3291440000	BRGR30	D	3
WR406701	63.0	IRR219561231		1	2	0.0000		C4067_1	C406764067001			COURTS
K CLEVELAND JR							BRAZOS RIVER		3291430000	BRGR30	D	3
WR406801	72.0	IRR219670731		1	2	0.0000		C4068_1	C406864068001			COLLIE
W OLIVER							BRAZOS RIVER		3291370000	BRGR30	D	3
WR406931	120.	IRR219741021		1	2	0.0000		C4069_1	C406964069001			WALKER
MURRAY RANDLE							WALNUT CRK		3291310000	BRGR30		3
WSRC4069	160.	0.5228	0.8206	0	0							
WR385131	17.0	IRR219811212		1	2	0.0000		P3851_1	P385113851001			WALNUT
CR FARMS OF GRANBURY							IKE BR		3291250000	BRGR30		3
WSRP3851	17.0	0.4897	0.7633	0	0							
WR407001	141.	IRR219560831		1	2	0.0000		C4070_1	C407064070001			LESLIE
L. MABERY							BRAZOS RIVER		3291200000	BRGR30	D	3
WR407101	83.0	IRR219560831		1	2	0.0000		C4071_1	C407164071001			R
E MABERY							BRAZOS RIVER		3291150000	BRGR30	D	3
WR346631	0.	UNIFO19760112		1	2	0		C3466_1	C346663466301			CITY
OF EASTLAND							N FRK LEON RIVER		2530030000	LEDL43		4
WSRC3466	144.	0.5228	0.8206	0	0							
WR346531	450.	MUN219191028		1	4	R34701	106371	C3465_1	C346563465001			EASTLAND
CO WSD							N FRK LEON RIVER		2530000000	LEDL43		4
WSRC3465	1740.	0.5228	0.8206	0	0							
WR346531	50.	IND219191028		1	2	0		C3465_2	C346563465001			CITY
OF EASTLAND							N FRK LEON RIVER		2530000000	LEDL43		4
WSRC3465	1740.	0.5228	0.8206	0	0							
WR346531	100.	IRR219191028		1	2	0		C3465_3	C346563465001			CITY
OF EASTLAND							N FRK LEON RIVER		2530000000	LEDL43		4
WSRC3465	1740.	0.5228	0.8206	0	0							
WR346731	12.	IRR219651231		1	2	0		C3467_1	C346763467001			WAYNE
HARGRAVE, ET UX							S FRK LEON RIVER		2515000000	LEDL43		4
WSRC3467	12.	0.5228	0.8206	0	0							
WR346831	1607.	MIN219191215		1	2	0		C3468_1	C346863468001			EASTLAND
INDUSTRIAL FOUNDATION							LEON RIVER		2500000000	LEDL43		4
WSRC3468	1607.	0.5228	0.8206	0	0							
WR347431	30.	IRR219690428		1	2	0		C3474_1	C347463474001			JERRY
P MEHAFFEY							LEON RIVER		2498200000	LEDL43		4
WSRC3474	30.	0.5228	0.8206	0	0							
WR347531	8.	IRR219690526		1	2	0		C3475_1	C347563475001			C
M PIPPIN JR							LEON RIVER		2498000000	LEDL43		4
WSRC3475	60.	0.5228	0.8206	0	0							
WR346931	21.	IRR219670821		1	2	0		C3469_1	C346963469001			LARRY
MORROW							UNNAMED TRIB		2494000000	LEDL43	B	4
WSRC3469	23.	0.5228	0.8206	0	0							
** The 1931 priority water has access to Lake Leon, but can not refill the reservoir at 1931												
** priority date.												
** Returns divided between City of Eastland (0.9 MGD) and return flow point identified by TNRCC.												
WR347031	810.	MUN219520321		1	4	R34701	106371	C3470_1	C347063470001			EASTLAND
CO WSD							LEON RIVER		2491000000	LEDL43		4
WSLKLEON	25828.											
WR347031	455.	MUN219520321		1	2	0.0000		C3470_2	C347063470001			EASTLAND
CO WSD							LEON RIVER		2491000000	LEDL43		4
WSLKLEON	25828.											
WR347031	1560.	MUN219520321		1	4	R34701	106371	C3470_3	C347063470001			EASTLAND
CO WSD							LEON RIVER		2491000000	LEDL43		4
WSLKLEON	25828.											
WR347031	877.5	MUN219520321		1	2	0.0000		C3470_4	C347063470001			EASTLAND
CO WSD							LEON RIVER		2491000000	LEDL43		4
WSLKLEON	25828.											
WR347031	1118.	MUN219860325		1	4	R34701	106371	C3470_5	C347063470001			EASTLAND
CO WSD							LEON RIVER		2491000000	LEDL43		4
WSLKLEON	25828.											
WR347031	629.5	MUN219860325		1	2	0.0000		C3470_6	C347063470001			EASTLAND
CO WSD							LEON RIVER		2491000000	LEDL43		4
WSLKLEON	25828.											
WR347031	350.	IND219860325		1	2	0		C3470_7	C347063470001			EASTLAND
CO WSD							LEON RIVER		2491000000	LEDL43		4
WSLKLEON	25828.											
WR347031	500.	IRR219860325		1	2	0		C3470_8	C347063470001			EASTLAND
CO WSD							LEON RIVER		2491000000	LEDL43		4
WSLKLEON	25828.											
** Two authorized reservoirs modeled as a single reservoir at downstream CP.												
**WR347132	50.	IRR219771011		1	2	0		C3471_1	C347163471002			GLYNN
A WILSON							N COLONY CRK		2490500000	LEDL43	A	4
**WSR34711	115.	0.5228	0.8206	0	0							
**WR347132	50.	IRR219910401		1	2	0		C3471_2	C347163471002			GLYNN
A WILSON							N COLONY CRK		2490500000	LEDL43	A	4
**WSR34711	240.	0.5228	0.8206	0	0							
** Expired												
**WR347231	103.	IRR219740528		1	2	0		C3472_1	C347263472001			R.V.
ROBINSON							COLONY CRK		2476000000	LEDL43	A	4
**WSRC3472	169.	0.5228	0.8206	0	0							
WR347331	40.	IRR219691027		1	2	0		C3473_1	C347363473001			RONNIE
LOVE							ELM CRK		2471000000	LEDL43		4

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WSRC3473	45.	0.5228	0.8206	0	0								
WR347931	30.	IRR219660405		1	2	0	C3479_1	C347963479001					TEDDY
J SNIDER ET UX								2469000000	LEDL43	4			
WSRC3479	16.	0.5228	0.8206	0	0								
WR348031	0.	D&L219771031		1	2	0	C3480_1	C348063480001					SAUL
PULLMAN								2468900000	LEDL43	4			
WSRC3480	60.	0.5228	0.8206	0	0								
WR348131	25.	IRR219680729		1	2	0	C3481_1	C348163481001					WILL
D BROWN ET UX								2468750000	LEDL43	4			
WSRC3481	40.	0.5228	0.8206	0	0								
** Two authorized reservoirs modeled as a single reservoir at downstream CP.													
WR348232	13.	IRR219640731		1	2	0	C3482_1	C348263482002					JOHNNY
W & MARY C EAVES								2468660000	LEDL43	4			
WSRC3482	25.	0.5228	0.8206	0	0								
WR348331	90.	IRR219690721		1	2	0	C3483_1	C348363483001					D
B WARREN								2468600000	LEDL43	4			
WSRC3483	244.	0.5228	0.8206	0	0								
WR348431	40.	IRR219700513		1	2	0	C3484_1	C348463484001					MURTICE
C RODGERS								2468570000	LEDL43	4			
WSRC3484	50.	0.5228	0.8206	0	0								
**WR348531	148.	IRR219730102		1	2	0	C3485_1	C348563485001					H
L PERRIN ET UX								2468530000	LEDL43	A	4		
**WSRC3485	350.	0.5228	0.8206	0	0								
**WR348631	150.	IRR219751020		1	2	0	C3486_1	C348663486001					RONNIE
N LOVE ET UX								2468520000	LEDL43	A	4		
**WSC34861	170.	0.5228	0.8206	0	0								
**WR348633	0.	IRR219751020		1	2	0	C3486_2	C348663486003					RONNIE
N LOVE ET UX								2468520000	LEDL43	A	4		
**WSC34863	15.	0.5228	0.8206	0	0								
**SO													
**WR348632	0.	IRR219751020		1	2	0	C3486_3	C348663486002					RONNIE
N LOVE ET UX								2468520000	LEDL43	A	4		
**WSC34862	40.	0.5228	0.8206	0	0								
**SO													
**WR5274P1	25.	IRR219891213		1	2	0	P5274_1	P527415274001					J
R GRIMSHAW ET UX								2468500000	LEDL43	A	4		
**WSRP5274	40.	0.5228	0.8206	0	0								
WR348731	40.	IRR219680219		1	2	0	C3487_1	C348763487001					D
B WARREN								2468400000	LEDL43	4			
WSRC3487	48.	0.5228	0.8206	0	0								
WR348831	30.	IRR219690922		1	2	0	C3488_1	C348863488001					HELEN
L DICKSON								2468370000	LEDL43	4			
WSRC3488	100.	0.5228	0.8206	0	0								
WR348931	140.	IRR219691013		1	2	0	C3489_1	C348963489001					THOMAS
H BIRDSONG, III								2468350000	LEDL43	A	4		
WSRC3489	323.	0.5228	0.8206	0	0								
** Expired													
**WR348931	80.	IRR219770103		1	2	0	C3489_2	C348963489001					THOMAS
H BIRDSONG, III								2468350000	LEDL43	A	4		
**WSRC3489	323.	0.5228	0.8206	0	0								
WR349031	60.	IRR219670605		1	2	0	C3490_1	C349063490001					JOHN
J HOLLAND								2468200000	LEDL43	4			
WSRC3490	60.	0.5228	0.8206	0	0								
WR349231	52.	IRR219670821		1	2	0	C3492_1	C349263492001					G
D LINDLEY								2467380000	LEDL43	4			
WSRC3492	52.	0.5228	0.8206	0	0								
WR349331	35.	IRR219700427		1	2	0	C3493_1	C349363493001					EDDIE
LINDLEY								2467200000	LEDL43	4			
WSRC3493	35.	0.5228	0.8206	0	0								
WR349431	140.	IRR219710322		1	2	0	C3494_1	C349463494001					MOODY
B KOONCE								2467150000	LEDL43	4			
WSRC3494	140.	0.5228	0.8206	0	0								
WR349531	94.	IRR219670523		1	2	0	C3495_1	C349563495001					MOODY
B KOONCE								2467100000	LEDL43	4			
WSRC3495	94.	0.5228	0.8206	0	0								
WR349631	21.	IRR219681028		1	2	0	C3496_1	C349663496001					NANNIE
LEE THOMPSON								2467000000	LEDL43	4			
WSRC3496	50.	0.5228	0.8206	0	0								
** Shares reservoir authorized in C3498.													
WR349831	50.	IRR219750728		1	2	0	C3497_1	C349763497001					HERRALD
ABELS								2466920000	LEDL43	4			
WSRC3498	189.	0.5228	0.8206	0	0								
WR349831	100.	IRR219701214		1	2	0	C3498_1	C349863498001					RAYMOND
L GILDER								2466900000	LEDL43	4			
WSRC3498	189.	0.5228	0.8206	0	0								
WR349931	3.	IRR219510831		1	2	0	C3499_1	C349963499001					N
L BOX								2466800000	LEDL43	4			
WSRC3499	25.	0.5228	0.8206	0	0								
WR350001	24.	IRR219660430		1	2	0	C3500_1	C350063500001					OBBCO
RANCH CORPORATION								2466550000	LEDL43	4			
**WR393431	25.	IRR219821108		1	2	0	P3934_1	P393413934001					TROY
MORRIS ET UX								2466545000	LEHS45	A	4		
**WSRP3934	25.	0.5228	0.8206	0	0								

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WR350131	65.	IRR219710322	1	2	0	C3501_1	C350163501001			HAROLD
D HIGGINBOTTOM			LEON RIVER				2466540000	LEDL43	4	
WSRC3501	70.	0.5228 0.8206	0	0	0					
** Owner must store groundwater in reservoir equal to his diversion.										
** Modeled as zero surface water use since groundwater must replace diversion.										
**WR350231	0.	IRR219780130	1	2	0	C3502_1	C350263502001			DONALD
K SELTZER			LEON RIVER				2466530000	LEHS45	A 4	
**WSRC3502	64.	0.5228 0.8206	0	0	0					
** Modeled both authorized reservoirs as a single reservoir at the downstream location.										
**WR350331	45.	IRR219770228	1	2	0	C3503_1	C350363503001			HAROLD
LEE MORRIS ET UX			UNNAMED TRIB				2466520000	LEHS45	A 4	
**WSRC3503	45.	0.5228 0.8206	0	0	0					
WR350431	20.	IRR219680408	1	2	0	C3504_1	C350463504001			ELMER
RAY JOINER			LEON RIVER				2466000000	LEHS45	4	
WSRC3504	20.	0.5228 0.8206	0	0	0					
WR350531	36.	IRR219680722	1	2	0	C3505_1	C350563505001			WAYNE
MOORE ET UX			LEON RIVER				2465900000	LEHS45	4	
WSRC3505	36.	0.5228 0.8206	0	0	0					
WR350631	3.	IRR219630331	1	2	0	C3506_1	C350663506001			J
V STEWART			FLAT CRK				2465800000	LEHS45	4	
WSRC3506	10.	0.5228 0.8206	0	0	0					
** Expired										
**WR350831	45.	IRR219790212	1	2	0	C3508_1	C350863508001			OBBCO
RANCH CORPORATION			FLAT CRK				2465500000	LEHS45	A 4	
**WSRC3508	45.	0.5228 0.8206	0	0	0					
WR351101	73.	IRR219660831	1	2	0	C3511_1	C351163511001			A
D MCLELLAN			LEON RIVER				2465000000	LEHS45	4	
WR351201	6.	IRR219631231	1	2	0	C3512_1	C351263512001			JIMMY
DALE JOHNSON			LEON RIVER				2464500000	LEHS45	4	
WR351631	0.	D&L219720501	1	2	0	C3516_1	C351663516301			RUBY
JOHNSON			W FRK ARMSTRONG				2458310000	LEHS45	4	
WSRC3516	292.	0.5228 0.8206	0	0	0					
** Expired										
**WR351531	168.	IRR219720501	1	2	0	C3515_1	C351563515001			ROBERT
JESS HOFFMAN			W FRK ARMSTRONG				2458300000	LEHS45	A 4	
**WSRC3515	292.	0.5228 0.8206	0	0	0					
WR351431	7.	IRR219660801	1	2	0	C3514_1	C351463514001			GAINES
OIL COMPANY			E FRK ARMSTRONG				2458100000	LEHS45	4	
WSRC3514	198.	0.5228 0.8206	0	0	0					
WR351731	250.	IRR219680729	1	2	0	C3517_1	C351763517001			MERLE
JO PARKS TRUSTEE			HACKBERRY CRK				2457000000	LEHS45	4	
WSRC3517	266.	0.5228 0.8206	0	0	0					
WR351831	110.	IRR219670808	1	2	0	C3518_1	C351863518001			KELLER-
HYDEN INC			E FORK HACKBERRY CRK				2455000000	LEHS45	4	
WSRC3518	135.	0.5228 0.8206	0	0	0					
WR351931	25.	IRR219700615	1	2	0	C3519_1	C351963519001			GARY
D BEARD ET AL			COW CRK				2450000000	LEHS45	4	
WSRC3519	35.	0.5228 0.8206	0	0	0					
WR352031	40.	IRR219670911	1	2	0	C3520_1	C352063520001			BEN
HAMNER			GREER CRK				2435000000	SADL44	4	
WSRC3520	67.	0.5228 0.8206	0	0	0					
WR352131	40.	IRR219690505	1	2	0	C3521_1	C352163521001			TRUETT
& PATSY S PRUILL			HUNTING SHIRT CRK				2429500000	SADL44	4	
WSRC3521	138.	0.5228 0.8206	0	0	0					
** Modeled both authorized reservoirs as a single reservoir at the downstream location.										
WR352231	7.	IRR219650731	1	2	0	C3522_1	C352263522001			JAMES
L HUGHES			HUNTING SHIRT CRK				2429450000	SADL44	4	
WSRC3522	10.	0.5228 0.8206	0	0	0					
WR352331	20.	IRR219690609	1	2	0	C3523_1	C352363523001			ROBERT
M & IMOGENE BURNS			SABANA RIVER				2429400000	SADL44	4	
WSRC3523	22.	0.5228 0.8206	0	0	0					
** Modeled both authorized reservoirs as a single reservoir at the downstream location.										
**WR352431	25.	IRR219751208	1	2	0	C3524_1	C352463524001			JULIA
BETH COOK ET AL			SABANA RIVER				2429380000	SADL44	A 4	
**WSRC3524	55.	0.5228 0.8206	0	0	0					
WR352531	10.	IRR219691013	1	2	0	C3525_1	C352563525001			THOMAS
H BIRDSONG III			SABANA RIVER				2429350000	SADL44	4	
WSRC3525	90.	0.5228 0.8206	0	0	0					
**WR426301	126.	IRR219850521	1	2	0	P4263_1	P426314263001			JON
R COAN ET UX			SABANA RIVER				2429280000	SADL44	A 4	
WR353031	14.	IRR219670630	1	2	0	C3530_1	C353063530001			LOUIS
SCHKADE ET AL			SABANA RIVER				2429100000	SADL44	4	
WSR35301	40.	0.5228 0.8206	0	0	0					
WR353032	0.	IRR219670630	1	2	0	C3530_2	C353063530002			LOUIS
SCHKADE ET AL			SABANA RIVER				2429100000	SADL44	4	
WSR35302	32.	0.5228 0.8206	0	0	0					
SO			BACKUP							
WR353032	46.	IRR219690909	1	2	0	C3530_3	C353063530002			LOUIS
SCHKADE ET AL			SABANA RIVER				2429100000	SADL44	4	
WSR35302	32.	0.5228 0.8206	0	0	0					
WR353031	0.	IRR219670630	1	2	0	C3530_4	C353063530001			LOUIS
SCHKADE ET AL			SABANA RIVER				2429100000	SADL44	4	
WSR35301	40.	0.5228 0.8206	0	0	0					
SO			BACKUP							

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**WR352631	20.	IRR219760830	1	2	0				C3526_1	C352663526001						TROYAT
UNDERWOOD			UNNAMED TRIB							2429090000	SADL44	A	4			
**WSRC3526	20.	0.5228	0.8206	0	0											
WR352831	121.	IRR219690915	1	2	0				C3528_1	C352863528001						MARGRETTE
JEAN MOON			SABANA RIVER							2429070000	SADL44		4			
WSRC3528	121.	0.5228	0.8206	0	0											
WR352831	0.	IRR219690915	1	2	0				C3528_2	C352863528001						MARGRETTE
JEAN MOON			SABANA RIVER							2429070000	SADL44		4			
WSRC3528	121.	0.5228	0.8206	0	0											
SO		100.	352802	BACKUP												
**WR353131	30.	IRR219780103	1	2	0				C3531_1	C353163531001						JOHN
R SCOTT ET UX			SABANA RIVER							2429060000	SADL44	A	4			
**WSR3531A	40.	0.5228	0.8206	0	0											
**WR353132	0.	IRR219881103	1	2	0				C3531_2	C353163531002						JOHN
R SCOTT ET UX			SABANA RIVER							2429060000	SADL44	A	4			
**WSR3531B	28.	0.5228	0.8206	0	0											
**SO		30.	BACKUP													
**WR353133	6.	IRR219881103	1	2	0				C3531_3	C353163531003						JOHN
R SCOTT ET UX			SABANA RIVER							2429060000	SADL44	A	4			
**WSR3531C	6.	0.5228	0.8206	0	0											
**WR353134	4.	IRR219881103	1	2	0				C3531_4	C353163531004						JOHN
R SCOTT ET UX			SABANA RIVER							2429060000	SADL44	A	4			
**WSR3531D	4.	0.5228	0.8206	0	0											
** Expired																
**WR526031	95.	IRR219891113	1	2	0				P5260_1	P526015260001						JOE
TILLEY			SABANA RIVER							2429053000	SADL44	A	4			
**WSP52601	98.	0.5228	0.8206	0	0											
**WR526032	0.	IRR219891113	1	2	0				P5260_2	P526015260002						JOE
TILLEY			SABANA RIVER							2429053000	SADL44	A	4			
**WSP52602	30.	0.5228	0.8206	0	0											
**SO			BACKUP													
IFSADL44	1448.	UNIFO19710329	1						IFC3532_1							
WR353241	29.	IRR219710329	1	2	0				C3532_1	C353263532001						JIMMY L
BINGHAM ET AL			SABANA RIVER							2429050000	SADL44		4			
WSRC3532	29.	0.2710	0.8958	0	0											
SO		29.	353201													
ML	92.	92.	92.	92.	92.	0.	0.	0.	0.	92.	92.					
WR353331	25.	IRR219690324	1	2	0				C3533_1	C353363533001						BOBBY
L SKAGGS & GENE E SKAGGS			SABANA RIVER							2429000000	SADL44		4			
WSRC3533	25.	0.5228	0.8206	0	0											
WR353441	24.	IRR219670731	1	2	0				C3534_1	C353463534001						JUNE
M.ROUNTRE E, TRUSTEE			SABANA RIVER							2428950000	SADL44		4			
WSRC3534	8.	0.271	0.8958	0	0											
SO		24.	353401													
WR353531	8.	IRR219711026	1	2	0				C3535_1	C353563535001						JACK
& THELMA LOU RILEY			SABANA RIVER							2428920000	SADL44		4			
WSRC3535	8.	0.5228	0.8206	0	0											
** Modeled both authorized reservoirs as a single reservoir at the downstream location.																
WR353631	31.	IRR219710426	1	2	0				C3536_1	C353663536001						LYNDELL
F COAN			SABANA RIVER							2428900000	SADL44		4			
WSRC3536	31.	0.5228	0.8206	0	0											
** Expired																
**WR353731	9.	IRR219731217	1	2	0				C3537_1	C353763537001						DALE
D GEORGE			TRIB							2428590000	SADL44	A	4			
**WSRC3537	9.	0.5228	0.8206	0	0											
**WR353831	30.	IRR219731119	1	2	0				C3538_1	C353863538001						WILLIAM
T MORRIS ET UX			TRIB							2428550000	SADL44	A	4			
**WSRC3538	32.	0.5228	0.8206	0	0											
WR353931	75.	IRR219690317	1	2	0				C3539_1	C353963539001						ED
GLOVER JR			SABANA RIVER							2428500000	SADL44		4			
WSRC3539	120.	0.5228	0.8206	0	0											
WR354131	45.	IRR219680506	1	2	0				C3541_1	C354163541001						SAM
D & MARTHA L UPSHAW			SABANA RIVER							2428000000	SADL44		4			
WSRC3541	48.	0.5228	0.8206	0	0											
WR354231	0.	UNIFO19760428	1	2	0				C3542_1	C354263542301						NABORS
LAKE DEVELOPMENT CORP			FADE CRK							2427900000	SADL44		4			
WSRC3542	450.	0.5228	0.8206	0	0											
IFSADL44	1448.	UNIFO19700504	1						IFC3543_1							
WR354341	28.	IRR219700504	1	2	0				C3543_1	C354363543001						HELEN
SUE WILSON			SABANA RIVER							2427500000	LEHS45		4			
WSRC3543	29.	0.5228	0.8206	0	0											
SO		29.	354301													
ML	19.	16.	19.	18.	19.	18.	0.	0.	0.	18.	19.					
WR354401	17.	IRR219641231	1	2	0				C3544_1	C354463544001						JIM
LAMPMAN ET AL			SABANA RIVER							2426500000	LEHS45		4			
WR354031	90.	IRR219670425	1	2	0				C3540_1	C354063540002						SPRUILL
BROTHERS DRILLING CO			SABANA RIVER							2426000000	LEHS45		4			
WSR3540S	80.	0.5228	0.8206	0	0											
WR354032	0.	IRR219670425	1	2	0				C3540_2	C354063540003						SPRUILL
BROTHERS DRILLING CO			SABANA RIVER							2426000000	SADL44		4			
WSR3540N	73.	0.5228	0.8206	0	0											
SO			BACKUP													
WR354031	0.	IRR219670731	1	2	0				C3540_3	C354063540002						SPRUILL
BROTHERS DRILLING CO			SABANA RIVER							2426000000	LEHS45		4			

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WSR3540S	80.	0.5228	0.8206	0	0								
SO		23.	354001	BACKUP									
** Expired													
**WR354531	15.	IRR219771031		1	2	0		C3545_1	C354563545001				R
D WALKER							SABANA RIVER		2425990000	LEHS45	A	4	
**WSRC3545	20.	0.5228	0.8206	0	0								
** On and off channel reservoirs modeled as a single on-channel reservoir.													
WR354631	7.5	IRR219650731		1	2	0		C3546_1	C354663546002				E
A WALKER							SABANA RIVER		2425920000	LEHS45		4	
WSRC3546	11.	0.5228	0.8206	0	0								
WR354631	1.5	IRR219710426		1	2	0		C3546_2	C354663546002				E
A WALKER							SABANA RIVER		2425920000	LEHS45		4	
WSRC3546	11.	0.5228	0.8206	0	0								
WR354731	70.	IRR219680401		1	2	0		C3547_1	C354763547001				A
G LEE							SABANA RIVER		2425500000	LEHS45		4	
WSRC3547	74.	0.5228	0.8206	0	0								
WR354831	166.	IRR219650517		1	2	0		C3548_1	C354863548001				SEBORN
E GOLDEN							HENDERSON BR		2425000000	LEHS45		4	
WSRC3548	166.	0.5228	0.8206	0	0								
WR354931	42.	IRR219680520		1	2	0		C3549_1	C354963549001				T
A NOWLIN							TURKEY CRK		2424000000	LEHS45		4	
WSRC3549	42.	0.5228	0.8206	0	0								
WR355031	60.	IRR219670911		1	2	0		C3550_1	C355063550001				THOMAS
A LEE JR ET UX							SABANA RIVER		2423000000	LEHS45		4	
WSRC3550	60.	0.5228	0.8206	0	0								
**WR355131	30.	IRR219751215		1	2	0		C3551_1	C355163551001				BOBBY
W STRAUB							UNNAMED TRIB		2422000000	LEHS45	A	4	
**WSRC3551	48.	0.5228	0.8206	0	0								
WR355231	80.	IRR219710607		1	2	0		C3552_1	C355263552001				J
V SKAGGS							SABANA RIVER		2420080000	LEHS45		4	
WSRC3552	126.	0.5228	0.8206	0	0								
**WR507331	60.	IRR219860708		1	2	0		P5073_1	P507315073001				THOMAS
RANDOLPH SIMPSON							SABANA RIVER		2420050000	LEHS45	A	4	
**WSRP5073	60.	0.5228	0.8206	0	0								
WR355331	53.	IRR219660613		1	2	0		C3553_1	C355363553001				LEE
ROY COTTON							SABANA RIVER		2420000000	LEHS45		4	
WSRC3553	53.	0.5228	0.8206	0	0								
WR355431	25.	IRR219690630		1	2	0		C3554_1	C355463554001				E
J TERRY							SABANA RIVER		2419000000	LEHS45		4	
WSRC3554	30.	0.5228	0.8206	0	0								
**WR355531	100.	IRR219780522		1	2	0		C3555_1	C355563555001				JERRY
SOLOMON							UNNAMED TRIB		2418200000	LEHS45	A	4	
**WSRC3555	100.	0.5228	0.8206	0	0								
WR355731	7.5	IRR219680415		1	2	0		C3556_1	C355663556001				GAYLE
MCGINNIS							SABANA RIVER		2418010000	LEHS45		4	
WSRC3557	105.	0.5228	0.8206	0	0								
WR355731	97.5	IRR219680415		1	2	0		C3557_1	C355763557001				LAKE
PROCTOR IRR AUTH							SABANA RIVER		2418000000	LEHS45		4	
WSRC3557	105.	0.5228	0.8206	0	0								
WR355801	12.	IRR219610731		1	2	0		C3558_1	C355863558001				STEVEN
MARK BIGGS ET AL							SOWELLS CRK		2415910000	LEHS45		4	
**IF380831	217.						UNIFO19801203	1					IFP3808_1
A													
**WR380831	1060.	IRR219801203		1	2	0		P3808_1	P380813808001				MARY
FRAZIER CLARK ET AL							COPPERAS (RUSH) CRK		2415400000	LEHS45	A	4	
**WSRP3808	1271.	0.5228	0.8206	0	0								
**IF384431	724.						UNIFO19801110	1					IFP3844_1
A													
**WR384431	156.	IRR219801110		1	2	0		P3844_1	P384413844002				CUSTER
D SWIFT ET AL							COPPERAS (RUSH) CRK		2415380000	LEHS45	A	4	
**WSRP3844	421.	0.5228	0.8206	0	0								
**WR384431	246.	IRR219801110		1	2	0		P3844_2	P384413844002				WINNIE
D ANDERSON							COPPERAS (RUSH) CRK		2415380000	LEHS45	A	4	
**WSRP3844	421.	0.5228	0.8206	0	0								
WR356031	0.	D&L219751208		1	2	0		C3560_1	C356063560301				CHARLES
BOB & DEALVA SNELL							UNNAMED TRIB		2415290000	LEHS45		4	
WSRC3560	35.	0.5228	0.8206	0	0								
** Expired													
**WR356131	248.	IRR219740624		1	2	0		C3561_1	C356163561001				ROBERT
S BUTLER							SIPE SPRING BR		2415200000	LEHS45	A	4	
**WSRC3561	267.	0.5228	0.8206	0	0								
** Expired													
**WR356231	56.	IRR219720424		1	2	0		C3562_1	C356263562001				ROBERT
S BUTLER							COPPERAS (RUSH) CRK		2415150000	LEHS45	A	4	
**WSRC3562	39.	0.5228	0.8206	0	0								
** Expired													
**WR356331	100.	IRR219750630		1	2	0		C3563_1	C356363563001				ROBERT
S BUTLER							COPPERAS (RUSH) CRK		2415100000	LEHS45	A	4	
**WSRC3563	150.	0.5228	0.8206	0	0								
** Expired													
**WR356531	150.	IRR219740128		1	2	0		C3565_1	C356563565001				ROBERT
S BUTLER							COPPERAS (RUSH) CRK		2414850000	LEHS45	A	4	
**WSRC3565	236.	0.5228	0.8206	0	0								

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WR356731	0.	UNIFO19740903	1	2	0	C3567_1	C356763567301		BYRON
R GIBSON							2414590000	LEHS45	4
WSRC3567	81.	0.5228 0.8206	0	0	0				
**WR518731	15.	IRR219880628	1	2	0	P5187_1	P518715187001		C
B SNELL							2414200000	LEHS45	A 4
**WSRP5187	15.	0.5228 0.8206	0	0	0				
** Model 2 off-channel reservoirs and one on-channel as single combined on-channel reservoir.									
WR356831	50.	IRR219700917	1	2	0	C3568_1	C356863568001		ALICE
MAE JONES							2414110000	LEHS45	4
WSR35681	50.	0.5228 0.8206	0	0	0				
WR356931	10.	IRR219720207	1	2	0	C3569_1	C356963569001		HEARSHEL
JANES							2414080000	LEHS45	4
WSRC3569	10.	0.5228 0.8206	0	0	0				
WR357231	140.	IRR219680318	1	2	0	C3572_1	C357263572001		A
T GILCHREST							2414000000	LEHS45	4
WSRC3572	140.	0.5228 0.8206	0	0	0				
WR357201	0.	IRR219760223	1	2	0	C3572_2	C357263572001		A
T GILCHREST							2414000000	LEHS45	4
**WR357331	60.	IRR219720508	1	2	0	C3573_1	C357363573001		G
H BINGHAM DBA 4B FARMS							2413250000	LEHS45	A 4
**WSRC3573	115.	0.5228 0.8206	0	0	0				
**WR525531	75.	IRR219890828	1	2	0	P5255_1	P525515255001		GLORIA
JEAN DUKES							2412800000	LEHS45	A 4
**WSRP5255	150.	0.5228 0.8206	0	0	0				
WR388031	0.0	UNIFO19820322	1	2	0	P3880_1	P388013880301		LYNDELL
F COAN ET AL							2412750001	LEHS45	4
WSRP3880	60.	0.5228 0.8206	0	0	0				
** Expired									
**WR357431	90.	IRR219750818	1	2	0	C3574_1	C357463574001		KENNETH
KEITH & MAX KEITH							2412750000	LEHS45	A 4
**WSRC3574	100.	0.5228 0.8206	0	0	0				
WR357501	16.	IRR219550430	2	2	0	C3575_1	C357563575001		BOBBY
N HUDDLESTON							2412700000	LEHS45	4
**WR357532	130.	IRR219720925	1	2	0	C3575_2	C357563575003		BOBBY
N HUDDLESTON							2412700000	LEHS45	A 4
**WSRC3575	244.	0.5228 0.8206	0	0	0				
**WR357501	0.	IRR219750908	1	2	0	C3575_3	C357563575001		BOBBY
N HUDDLESTON							2412700000	LEHS45	A 4
WR357941	32.	IRR219690731	1	2	0	C3579_1	C357963579001		T.A.
NOWLIN							2412500000	LEHS45	4
WSRC3579	50.	0.2710 0.8958	0	0	0				
SO	32.	357901							
** Two off-channel reservoirs (11 & 18 acft) not modeled.									
**IF357801	724.	UNIFO19741111				1			IFC3578_1
A									
**WR357831	700.	IRR219741111	1	2	0	C3578_1	C357863578003		PECAN
VALLEY NUT COMPANY ET AL							2412200000	LEHS45	A 4
**WSRC3578	800.	0.5228 0.8206	0	0	0				
**WR358031	70.	IRR219720424	1	2	0	C3580_1	C358063580001		G
E BINGHAM ET AL							2412140000	LEHS45	A 4
**WSRC3580	150.	0.5228 0.8206	0	0	0				
WR358131	65.	IRR219700105	1	2	0	C3581_1	C358163581001		ELDON
WADE BUTLER							2412100000	LEHS45	4
WSRC3581	75.	0.5228 0.8206	0	0	0				
** Modeled both authorized reservoirs as a single reservoir.									
WR358441	30.	IRR219591231	1	2	0	C3584_1	C358463584001		JULIA
JO BAXTER							2411400000	LEHS45	4
WSRC3584	8.	0.5228 0.8206	0	0	0				
SO	30.	358401							
** Diversion taken from 960 acft capacity reservoir permitted under WR3586.									
WR358631	23.	IRR219701013	1	2	0	C3585_1	C358563586001		WAYNE
D GILLIAM							2411320000	LEHS45	4
WSRC3586	960.	0.5228 0.8206	0	0	0				
**WR358532	10.	IRR219730730	1	2	0	C3585_2	C358563585002		WAYNE
D GILLIAM							2411320000	LEHS45	A 4
**WSRC3585	4.1	0.5228 0.8206	0	0	0				
**WR358503	0.	IRR219800902	1	2	0	C3585_3	C358563585003		WAYNE
D GILLIAM							2411320000	LEHS45	A 4
**WSRC3585	17.39	0.5228 0.8206	0	0	0				
**WR358532	7.	IRR219850806	1	2	0	C3585_4	C358563585002		WAYNE
D GILLIAM							2411320000	LEHS45	A 4
**WSRC3585	17.39	0.5228 0.8206	0	0	0				
**WR426401	40.	IRR219850618	1	2	0	P4264_1	P426414264001		GEORGE
BINGHAM ET AL							2411310000	LEHS45	A 4
**WR541631	10.	IRR219920415	1	2	0	P5416_1	P541615416001		DON
P CHESTER, ET UX							2411305000	LEHS45	A 4
**WSRP5416	13.	0.5228 0.8206	0	0	0				
** Use authorized from permitted reservoir under WRs 3585, 3586, 3587, 3588, 3589, and 3590.									
WR358631	154.	IRR219701013	1	2	0	C3586_1	C358663586001		DON
P CHESTER ET UX							2411300000	LEHS45	B 4
WSRC3586	960.	0.5228 0.8206	0	0	0				
** Record to account for different priority dates for combined diversion.									
**WR358601	0.	IRR219771019	1	2	0	C3586_2	C358663586001		DON
P CHESTER ET UX							2411300000	LEHS45	B 4

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** Shares reservoir with C3623.
WR362331 14. IRR219660423 1 2 0 C3624_1 C362463624001 PAULINE
HALL DUNCAN CRK 2404390000 LEHS45 4
WSRC3623 10. 0.5228 0.8206 0 0
WR362401 0. IRR219660423 1 2 0 C3624_2 C362463624001 PAULINE
HALL DUNCAN CRK 2404390000 LEHS45 4
SO 26. BACKUP
** Modeled both authorized reservoirs as a single reservoir at the downstream location.
**WR516131 54. IRR219871113 1 2 0 P5161_1 P516115161001 WILLIAM
D CARROLL ET UX UNNAMED TRIB COPPERAS (RUSH) CRK 2412010000 LABE52 A 4
**WSRP5161 150. 0.5228 0.8206 0 0
**
** Lake Proctor
**
** FNI change - System operation
**
WR515931 2685. MUN219631216 1 2 0.0000 C5159_1 C515965159001 BRAZOS
RIVER AUTHORITY LEON RIVER 2400000000 LEHS45 4
WSPRCTOR 45424. 0
PX 1
WR515931 735. MUN219631216 1 2 0.0000 C5159_2 C515965159001 BRAZOS
RIVER AUTHORITY LEON RIVER 2400000000 LEHS45 4
WSPRCTOR 45424. 0
PX 1
WR515931 1147. MUN219631216 1 2 0.0000 C5159_3 C515965159001 BRAZOS
RIVER AUTHORITY LEON RIVER 2400000000 LEHS45 4
WSPRCTOR 45424. 0
PX 1
WR515931 1772. MUN219631216 1 2 0.0000 C5159_4 C515965159001 BRAZOS
RIVER AUTHORITY LEON RIVER 2400000000 LEHS45 4
WSPRCTOR 45424. 0
PX 1
WR515931 1671. MUN219631216 1 2 0.0000 C5159_5 C515965159001 BRAZOS
RIVER AUTHORITY LEON RIVER 2400000000 LEHS45 4
WSPRCTOR 45424. 0
PX 1
WR515931 0. IND219631216 1 2 0 C5159_6 C515965159001 BRAZOS
RIVER AUTHORITY LEON RIVER 2400000000 LEHS45 4
WSPRCTOR 45424. 0
PX 1
WR515931 5948. IRR219631216 1 2 0 C5159_7 C515965159001 BRAZOS
RIVER AUTHORITY LEON RIVER 2400000000 LEHS45 4
WSPRCTOR 45424. 0
PX 1
WR515931 5700. IRR219631216 1 2 0 C5159_8 C515965159001 BRAZOS
RIVER AUTHORITY LEON RIVER 2400000000 LEHS45 4
WSPRCTOR 45424. 0
PX 1
WR515931 0. MIN219631216 1 2 0 C5159_9 C515965159001 BRAZOS
RIVER AUTHORITY LEON RIVER 2400000000 LEHS45 4
WSPRCTOR 45424. 0
PX 1
WR515931 0. UNIFO19631216 1 2 0 C5159_10 C515965159001 BRAZOS
RIVER AUTHORITY LEON RIVER 2400000000 LEHS45 4
WSPRCTOR 45424. 0
PX 1
** SysOp Change:
** Calculate the total depletion for water right 5159.
WRSR5159 19631216 Compute Dep 5159 SYSTEM
TO 6 1.0 ADD C5159_1 CONT
TO 6 1.0 ADD C5159_2 CONT
TO 6 1.0 ADD C5159_3 CONT
TO 6 1.0 ADD C5159_4 CONT
TO 6 1.0 ADD C5159_5 CONT
TO 6 1.0 ADD C5159_6 CONT
TO 6 1.0 ADD C5159_7 CONT
TO 6 1.0 ADD C5159_8 CONT
TO 6 1.0 ADD C5159_9 CONT
TO 6 1.0 ADD C5159_10
PX 4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
WRSR5159 9999999 19631216 Depletion 5159 SYSTEM
PX 5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
WR515931 19631216 1.0000 5159DP Lumped Dep 5159 SYSTEM 1simdep
TO 11 1.0 ADD Depletion 5159
PX 2
** Special code to output storage from first simulation
    
```

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WRPR_dum          19631216          1simPRstor    look
TO      4          SET                PRCTOR
PX      4
WRPR_dum 9999999  XMONTH19631216    2simPRstor    look
PX      5
** end FNI change
**
** IBT of 2600 acft/yr to Trinity River Basin is authorized, and modeled in Run 8 with loss of priority.
** Use is also authorized in San Jacinto-Brazos Coastal Basin.
** Amendment dated 5/31/2002 allows up to 20,000 acft/yr to be transferred to the Trinity River
** Basin. Other than this note, the IBT is not included in the model.
** This right includes industrial, irrigation, mining and recreational use.
** - End modeling Lake Proctor
**
** Lake Granbury
**
WR515631 1557.    MUN219640213  1  2  0.0000          C5156_1  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30  5
WSGRNBRY 118568.          0
PX      1
WR515631 2600.    MUN219640213  1  2  0.0000          C5156_2  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30  5
WSGRNBRY 118568.          0
PX      1
WR515631 6705.    MUN219640213  1  4  R51561 101782    C5156_3  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30  5
WSGRNBRY 118568.          0
PX      1
WR515631 1475.    MUN219640213  1  2  0.0000          C5156_4  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30  5
WSGRNBRY 118568.          0
PX      1
WR515631 1073.    MUN219640213  1  2  0.0000          C5156_5  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30  5
WSGRNBRY 118568.          0
PX      1
WR515631 2.       IND219640213  1  2  0.0000          C5156_6  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30  5
WSGRNBRY 118568.          0
PX      1
WR515631 3748.    IND219640213  1  2  0.0000          C5156_7  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30  5
WSGRNBRY 118568.          0
PX      1
WR515631 40000.   IND219640213  1  2  0.0000          C5156_8  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30  5
WSGRNBRY 118568.          0
PX      1
WR515631 4544.    IRR219640213  1  2  0.0000          C5156_9  C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30  5
WSGRNBRY 118568.          0
PX      1
WR515631 2806.    IRR219640213  1  2  0.0000          C5156_10 C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30  5
WSGRNBRY 118568.          0
PX      1
WR515631 200.    IRR219640213  1  2  0.0000          C5156_11 C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30  5
WSGRNBRY 118568.          0
PX      1
WR515631 2.       MIN219640213  1  2  0.0000          C5156_12 C515665156001          BRAZOS
RIVER AUTHORITY          BRAZOS RIVER          3290000000  BRGR30  5
WSGRNBRY 118568.          0
PX      1
** SysOp Change:
** Calculate the total depletion for water right 5156.
WRSR5156          19640213          Compute Dep 5156  SYSTEM
TO      6      1.0  ADD          C5156_1  CONT
TO      6      1.0  ADD          C5156_2  CONT
TO      6      1.0  ADD          C5156_3  CONT
TO      6      1.0  ADD          C5156_4  CONT
TO      6      1.0  ADD          C5156_5  CONT
TO      6      1.0  ADD          C5156_6  CONT
TO      6      1.0  ADD          C5156_7  CONT
TO      6      1.0  ADD          C5156_8  CONT
TO      6      1.0  ADD          C5156_9  CONT
TO      6      1.0  ADD          C5156_10 CONT
TO      6      1.0  ADD          C5156_11 CONT
TO      6      1.0  ADD          C5156_12 CONT
PX      4
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
WRSR5156 9999999  19640213          Depletion 5156  SYSTEM
    
```


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PX      5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
WR515631  0      19640213      1.0000  5156DP      Lumped Dep 5156  SYSTEM lsimdep
TO      11      1.0      ADD      Depletion 5156
PX      2
** Special code to output storage from first simulation
WRGB_dum      19640213      1simGBstor      look
TO      4      SET      GRNBRY
PX      4
WRGB_dum      9999999  XMONTH19640213  2simGBstor      look
PX      5
** - End modeling Lake Granbury
** end FNI change
**
WR407301  42.0  IRR219560819  1  2  0.0000      C4073_1  C407364073001      JAMES
R. ROBINSON      BRAZOS RIVER      3289600000  BRGR30      5
WR407401  26.0  IRR219560819  1  2  0.0000      C4074_1  C407464074001      E.
F. ALLISON      BRAZOS RIVER      3289500000  BRGR30      5
WR407531  0.0  UNIFO19760705  1  2  0.0000      C4075_1  C407564075101      THE
R K HANGER TRUST  UNNAMED TRIB      3289300000  BRGR30      5
WSRC4075  300.  0.5228  0.8206      0  0  0
WR407241  308.  IRR219561231  1  2  0.0000      C4072_1  C407264072001      JAMES E
ANTHONY ET AL  BRAZOS RIVER      3289100000  BRGR30      5
WSRC4072  1.0  0.2710  0.8958      0  0  0
SO      407201
WR407601  15.5  IRR219660710  1  2  0.0000      C4076_1  C407664076001      D.
J. VAUGHN      BRAZOS RIVER      3288750000  BRGR30      5
WR407601  23.5  IRR219660710  1  2  0.0000      C4076_2  C407664076001      ROBIN
K SNIDER ET AL  BRAZOS RIVER      3288750000  BRGR30      5
WR407701  30.0  IRR219640831  1  2  0.0000      C4077_1  C407764077001      D.
J. BROWN      BRAZOS RIVER      3288500000  BRGR30      5
WR407801  54.0  IRR219570930  1  2  0.0000      C4078_1  C407864078001      ROBERT
& MARGARET KING INV INC  BRAZOS RIVER      3288450000  BRGR30      5
WR407931  92.0  IRR219640831  1  2  0.0000      C4079_1  C407964079001      JAMES
ROBERT HILL      BRAZOS RIVER      3288400000  BRGR30      5
WSRC4079  20.0  0.5228  0.8206      0  0  0
WR408003  112.  IRR219660702  1  2  0.0000      C4080_1  C408064080003      J
V & M G DURANT  BRAZOS RIVER      3288000000  BRGR30      5
WR408102  160.  IRR219660702  1  2  0.0000      C4081_1  C408164081002      F.
L. VAUGHN      BRAZOS RIVER      3287990000  BRGR30      5
WR408203  203.  IRR219500731  1  2  0.0000      C4082_1  C408264082003      S.
B. GRISSOM      BRAZOS RIVER      3286500000  BRGR30      5
WR408301  45.0  IRR219630930  1  2  0.0000      C4083_1  C408364083001      ROBERT
L FOREE JR      BRAZOS RIVER      3284000000  BRGR30      5
IF408401  3547. UNIFO19731119  1      IFC4084_1
WR408431  25.0  IRR219731119  1  2  0.0000      C4084_1  C408464084000      EARL
R ALLISON      N PALUXY      3283230000  PAGR31      5
WSRC4084  25.0  0.4897  0.7633      0  0  0
WR408431  0.0  UNIFO19731119  1  2  0.0000      C4084_2  C408464084001      EARL
R ALLISON      N PALUXY      3283230000  PAGR31      5
WSRC4084  25.0  0.4897  0.7633      0  0  0
SO      408401  BACKUP
WR408531  10.3  IRR219741209  1  2  0.0000      C4085_1  C408564085001      EARL
R ALLISON      N PALUXY      3283150000  PAGR31      5
WR408531  17.7  IRR219741209  1  2  0.0000      C4085_2  C408564085001      DANE
ALLISON ET UX  N PALUXY      3283150000  PAGR31      5
WSRC4085  12.0  0.4897  0.7633      0  0  0
IF408601  10136. UNIFO19750902  1      IFC4086_1
WR408641  15.0  IRR219750902  1  2  0.0000      C4086_1  C408664086001      GARY
& BEVERLY LEWELLEN  PALUXY RIVER      3283090000  PAGR31      5
WSRC4086  2.0  0.2710  0.8958      0  0  0
SO      15.  408601
**WR5295P1  100.  IRR219900511  1  2  0.0000      P5295_1  P529515295001      JAY
D. & DEBORAH MILLS  CROCKETT CRK      3281500000  PAGR31  A  5
**WSRP5295  175.  0.5228  0.8206      0  0  0
**WR529532  100.  IRR219900511  1  2  0.0000      P5295_2  P529515295002      JAY
D. & DEBORAH MILLS  RICHARDSON CRK      3281500000  PAGR31  A  5
**WSP52951  189.  0.5228  0.8206      0  0  0
WR408702  81.0  IRR219650930  1  2  0.0000      C4087_1  C408764087002      LELAND
A HODGES ET AL  E BR WOLF      3281500000  PAGR31      5
WSRC4087  360.  0.5228  0.8206      0  0  0
WR408841  55.0  IRR219660630  1  2  0.0000      C4088_1  C408864088001      MILTON
C. & VIVIAN YOUNG  PALUXY RIVER      3281150000  PAGR31      5
WSRC4088  2.0  0.5228  0.8206      0  0  0
SO      55.  408801
** WSA - 200 acft of watershed flows allowed to maintain storage. This right is contingent
** upon water supply agreement with BRA.
**WR562831  0.0  UNIFO19990505  1  2  0.0000      P5628_1  P562815628001      BLUEGREEN
SOUTHWEST      Unnamed trib to PALUXY RIVER      3281130000  PAGR31  A  5
**WSRP5628  1773. 0.5228  0.8206      0  0  0
**SO      150.
    
```

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**WR562832	0.0	UNIFO19990505	1	2	0.0000	P5628_2	P562815628302			BLUEGREEN
SOUTHWEST		Unnamed trib to RICHARDSON CRK					3281020000	PAGR31	A	5
**WSP56281	538.	0.5228 0.8206	0	0						
**SO		50.								
WR408901	31.0	IRR219630331	1	2	0.0000	C4089_1	C408964089001			JACOB
T. & LAURA DAMERON		RICHARDSON					3281000000	PAGR31		5
WR409031	197.	IRR219670814	1	2	0.0000	C4090_1	C409064090001			RICHARD
T. LIETZ ESTATE		MITCHELL CRK					3277000000	PAGR31		5
WSRC4090	332.	0.5228 0.8206	0	0						
WR409201	6.0	IRR219640731	1	2	0.0000	C4092_1	C409264092001			"ROBERT
D. ADAMS, SR."		PONY CRK					3275500000	PAGR31		5
WR409131	360.	IRR219650120	1	2	0.0000	C4091_1	C409164091001			KENNETH
LESLEY		LALLAH BR					3275000000	PAGR31		5
WSRC4091	511.	0.4897 0.7633	0	0						
** For Runs 1 - 3, reduce the authorized diversion from 245 to 98 acft/yr as per special condition.										
** For Runs 4 - 8, set as appropriate depending upon historical use.										
WR393931	98.	IRR219821101	1	2	0.0000	P3939_1	P393913939001			KENNETH
& BETTY YVON LESLEY		LALLAH BR					3274950000	PAGR31	B	5
WSRP3939	725.	0.4897 0.7633	0	0						
WR409301	94.0	IRR219631231	1	2	0.0000	C4093_1	C409364093001			ERNEST
H CANNON		PONY CRK					3273000000	PAGR31	D	5
WR409401	16.0	IRR219350630	1	2	0.0000	C4094_1	C409464094001			J
B SANDERSON ET AL		PALUXY RIVER					3271500000	PAGR31		5
WR409501	10.0	IRR219491231	1	2	0.0000	C4095_1	C409564095001			J.
C. MCFALL		PALUXY RIVER					3262000000	PAGR31		5
WR409631	0.0	UNIFO19740528	1	2	0.0000	C4096_1	C409664096301			CITY
OF GLEN ROSE		PALUXY RIVER					3259300000	BRAQ33		5
WSRC4096	2.0	0.5228 0.8206	0	0						
** Placed reservoir point below confluence of Squaw Creek and Panther Creek. Diversions										
** to and from Lake Granbury are authorized by contract, but not modeled. Instream flow requirement										
** placed at closest point to HWY 144 (below reservoir).										
**										
IF409732	1086.	UNIFO19730425	3			IFC4097_1				
WSSQWCRK 143399.					0					
OR409732					-1					
**										
WR409732	23180.	IND219730425	1	2	0.0000	C4097_1	C409764097002			TEXAS
UTILITIES ELECTRIC CO		SQUAW CRK					3259000000	BRAQ33		5
WSSQWCRK 143399.					0					
**IF546031	4344.	UNIFO19930427	1							IFP5460_1
A										
**WR546031	0.0	UNIFO19930427	1	2	0.0000	P5460_1	P546015460301			THE
COUNTY OF SOMERVELL		SQUAW CRK					3258900000	BRAQ33	A	5
**WSP54601	4.5	0.5228 0.8206	0	0						
**WR546041	356.	IRR219930427	1	2	0.0000	P5460_2	P546015460601			THE
COUNTY OF SOMERVELL		SQUAW CRK					3258900000	BRAQ33	A	5
**WSRP5460	32.0	0.2710 0.8958	0	0						
**SO		356. 546031								
WR409801	258.	IRR219540731	1	2	0.0000	C4098_1	C409864098001			BOB
HARRIS OIL CO		BRAZOS RIVER					3258800000	BRAQ33		5
WR409901	5.0	IRR219490831	1	2	0.0000	C4099_1	C409964099001			DOROTHY
W. LITTLE ETAL		BRAZOS RIVER					3258750000	BRAQ33		5
WR502831	0.0	UNIFO19851108	1	2	0.0000	P5028_1	P502815028001			O'GRADY
SIX O RANCH & CATTLE CO		UNNAMED TRIB					3258650000	BRAQ33		5
WSRP5028	895.	0.5228 0.8206	0	0						
WR410001	125.	MIN219591231	1	1	1.0000	C4100_1	C410064100001			LAFARGE
CORPORATION		BRAZOS RIVER					3258400000	BRAQ33	B	5
WR410131	0.0	UNIFO19690909	1	2	0.0000	C4101_1	C410164101301			TEXAS
PARKS & WILDLIFE DEPT		UNNAMED TRIB					3258200000	BRAQ33		5
WSRC4101	1450.	0.5228 0.8206	0	0						
** change to main stem										
WR410202	77.0	IRR219631231	1	2	0.0000	C4102_1	C410264102003			STANDARD
INVESTMENT CO.		GRASS CRK					3258170000	BRAQ33		5
WR410306	186.	IRR219551231	1	2	0.0000	C4103_1	C410364103006			"CYRIL
WAGNER, JR., ETAL"		BRAZOS RIVER					3257900000	BRAQ33		5
WR410409	3811.	IRR219571231	1	2	0.0000	C4104_1	C410464104009			PERRY
R BASS INC		BRAZOS RIVER					3257600000	BRAQ33		5
WR410501	8.0	IRR219770131	1	2	0.0000	C4105_1	C410564105001			WESLEY
RAY CARSON		NOLAN CRK					3257450000	NRBL32		5
WR410501	4.0	IRR219770131	1	2	0.0000	C4105_2	C410564105001			CREPE
MYRTLE OF TEXAS INC		NOLAN CRK					3257450000	NRBL32		5
WR410631	5760.	MUN219620806	1	4	R41061 100061	C4106_1	C410664106001			CITY
OF CLEBURNE		NOLAN CRK					3257000000	NRBL32		5
WSCLEBRN 22350.					0					
WR410631	0.0	IND219620806	1	2	0.0000	C4106_2	C410664106001			CITY
OF CLEBURNE		NOLAN CRK					3257000000	NRBL32		5
WSCLEBRN 22350.					0					
WR410631	240.	IRR219760329	1	2	0.0000	C4106_3	C410664106001			CITY
OF CLEBURNE		NOLAN CRK					3257000000	NRBL32		5
WSCLEBRN 22350.					0					
WR425831	720.	MUN219850521	1	2	0.0000	P4258_1	P425814258001			CITY
OF CLEBURNE		W FRK BUFFALO CRK					3256800000	NRBL32		5
WSRP4258	552.	0.5228 0.8206	0	0						

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WR410701	231.	IRR219641231	1	2	0.0000	C4107_1	C410764107001			RIVERVIEW
INC		BUFFALO CRK					3256730000	NRBL32	D	5
** 12-4107A REQUESTED TO USE EXISTING RESERVOIR OF 12 ACRE-FEET										
WR410701	231.	IRR220020301	1	2	0.0000	C4107_2	C410764107001			RIVERVIEW
INC		BUFFALO CRK					3256730000	NRBL32		5
TO	6	-1	ADD			C4107_1				
WSRC4107	12.0	0.4897	0.7633		0					
**										
WR410803	27.0	IRR219610630	1	2	0.0000	C4108_1	C410864108003			HARRY
V DULICK		MESQUITE CRK					3250500000	BRAQ33		5
WR410801	5.0	IND219610630	1	2	0.0000	C4108_2	C410864108001			HARRY
V DULICK		MESQUITE CRK					3250500000	BRAQ33		5
WR410931	10.0	IRR219690508	1	2	0.0000	C4109_1	C410964109001			LOUIS
& VIRGINIA GREGORY		STEELE CRK					3250250000	BRAQ33		5
WSRC4109	10.0	0.5228	0.8206		0					
WR411001	20.0	IRR219660731	1	2	0.0000	C4110_1	C411064110001			LUCILLE
C BUTLER		STEELE CRK					3250200000	BRAQ33		5
WR411131	6.0	IRR219530731	1	2	0.0000	C4111_1	C411164111001			"PAUL
C. MURPHY, JR."		STEELE CRK					3250150000	BRAQ33		5
WSRC4111	15.0	0.5228	0.8206		0					
WR411231	12.0	IRR219640323	1	2	0.0000	C4112_1	C411264112001			LOUIS
& VIRGINIA GREGORY		STEELE CRK					3250000000	BRAQ33		5
WSRC4112	14.0	0.5228	0.8206		0					
WR534631	0.0	UNIFO19910308	1	2	0.0000	P5346_1	P534615346301			SPECIAL
CAMPS FOR SPECIAL KIDS		UNNAMED TRIB					3248500000	BRAQ33		5
WSRP5346	90.0	0.5228	0.8206		0					
WR411333	43.0	IRR219640531	1	2	0.0000	C4113_1	C411364113003			JAMES
M. WALKER		N CEDRON					3248000000	BRAQ33		5
WSRC4113	140.	0.5228	0.8206		0					
** BRA holds the only priority right in Lake Whitney and is authorized to impound 50,000 acft										
** between elevations 520 (387,024 acft storage) and 533 feet (642,179 acft storage). Model										
** BRA right as authorized to impound up to 437,024 acft (387,024 plus 50,000) at 1982 priority,										
** with inactive storage set at 387,024 acft. Model remainder of storage up to 642,179 acft as										
** non-priority (junior priority date). For Run 8 (Year 2000 conditions), these storage volumes										
** change to 311,998 acft, 361,998 acft, and 549,788 acft.										
** Use is also authorized in San Jacinto-Brazos Coastal Basin.										
** Instream flow requirement is suggested, but not mandatory, do not model as per the TNRCC.										
**IFBRR170	796375.	UNIFO19820830	1			IFC5157_1				
** New Whitney to handle evap distrib between CoE and BRA										
**										
** FNI change - limit model to conservation storage (two pools). Add 231015 to get total storage (535928 af)										
**WR515731	0	99999999	1			USACE_WHIT				
**WSWHITNY	387024.									1
**PX	3									
WR515731	18336.	WHIT119820830	1	2	0.0000	4	C5157_1	C515765157001		BRAZOS
RIVER AUTHORITY		BRAZOS RIVER					3246200000	BRAQ33		5
**WS	BRA 50000.									1
WSBRAWHT	50000.					1				-1
PX	1									
**										
**WR515731	0	WHIT120041014	1	2	0.0000	5	C5157_2	C515765157001		BRAZOS
RIVER AUTHORITY		BRAZOS RIVER					3246200000	BRAQ33		5
WR515731	0	WHIT188888888	1	2	0.0000		C5157_2	C515765157001		BRAZOS
RIVER AUTHORITY		BRAZOS RIVER					3246200000	BRAQ33		5
**WS	BRA 50000.									1
WSBRAWHT	50000.					1				-1
BU	0									
PX	2	P5744_1								
**										
**WR515731	0	WHIT120041014	1	2	0.0000	5	C5157_3	C515765157001		BRAZOS
RIVER AUTHORITY		BRAZOS RIVER					3246200000	BRAQ33		5
WR515731	0	WHIT188888888	1	2	0.0000		C5157_3	C515765157001		BRAZOS
RIVER AUTHORITY		BRAZOS RIVER					3246200000	BRAQ33		5
**WS	BRA 50000.									1
WSBRAWHT	50000.					1				-1
BU	0									
PX	2	P5744_2								
**										
** Whitney hydropower										
** Based on BRA analysis										
** Elev 520 to 527 = 276 cfs										
** Elev 530 = 561 cfs										
** Elev 533 = 1267 cfs										
**										
** Model as most junior water right with 100% returns so downstream water rights have access to flows										
** Drought Index 3 varies with elevation										
**										
**WR515731	918319	DAYS	1	3	1	1.0	515751	8	WhitHydro	WH_COE
WR515731	918319	DAYS99999999	1	2		1.0	515751	3	WHITHYDRO	WH_COE
WSCORWHT	445053.					430000		1	-1	
**										
**WR515731	0	99999999	1						EVAP1	
**WSWHITNY	387024									1

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WR515731      0      99999999  1  2  0.0000      EVAP2      C515765157001      BRAZOS
RIVER AUTHORITY      BRAZOS RIVER      3246200000  BRAQ33      5
**WS  BRA  50000      1      -1
WSBRAWHT  50000.      1
PX  1
**
WR515731      0      99999999  1  2  0.0000      EVAP2      C515765157001      BRAZOS
RIVER AUTHORITY      BRAZOS RIVER      3246200000  BRAQ33      5
WSBRAWHT  50000.      1
PX  2
**
WR515731      99999999  1      EVAP3  WH_COE      1      -1
**WSCORWHT  199076      1      -1
WSCORWHT  445053.      1
PX  1
**
WR515731      99999999  1      EVAP3  WH_COE      1      -1
WSCORWHT  445053.      1
PX  2
**
** SysOp Change:
** Calculate the total depletion for water right 5157.
WRSR5157      19820830      Compute Dep 5157  SYSTEM
TO  6      1.0  ADD      C5157_1
PX  4
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
WRSR5157 99999999      19820830      Depletion 5157  SYSTEM
PX  5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
WR515731      19820830      1.0000  5157DP      Lumped Dep 5157  SYSTEM 1simdep
TO  11      1.0  ADD      Depletion 5157
PX  2
** Special code to output storage from first simulation
WRWH_dum      99999999      1simBRAWHstor  look
TO  4      SET      BRAWHT
PX  4
WRWH_dum 99999999 XMONTH99999999      2simBRAWHstor  look
PX  5
WRWH_dum      99999999      1simWHstor  look
TO  4      SET      CORWHT
PX  4
WRWH_dum 99999999 XMONTH99999999      2simWHstor  look
PX  5
** - End modeling Lake Whitney
** end FNI change
**
WR431501      30.0  IRR219601231  1  2  0.0000      C4315_1  C431564315001      CHESLEY
J AUTEN      BRAZOS RIVER      3244600000  BRAQ33      5
WR431601      75.0  IRR219611231  1  2  0.0000      C4316_1  C431664316001      B
W & SARA J. BOWERS      BRAZOS RIVER      3244500000  BRAQ33      5
WR431701      243.  IRR219631231  1  2  0.0000      C4317_1  C431764317001      MARY
ANN JENKINS ET AL      BRAZOS RIVER      3244200000  BRAQ33      5
** Pursuant to amendment 4318B reduce 667 by 20 af
**WR431801      667.  IRR219211231  1  2  0.0000      C4318_1  C431864318001      JOHN
MCPHERSON ET AL      BRAZOS RIVER      3244000000  BRAQ33      5
WR431801      647.  IRR219211231  1  2  0.0000      C4318_1  C431864318001      JOHN
MCPHERSON ET AL      BRAZOS RIVER      3244000000  BRAQ33      5
WR431841      2820. IRR219211231  1  2  0.0000      C4318_2  C431864318003      ED
HUDDLESTON & JOHN MCPHERSON ET AL      BRAZOS RIVER      3244000000  BRAQ33      5
WSRC4318      288.  0.2710  0.8958      0      0
SO      2820.  431803
** Amendment,Certificate 4318B
IF228302      12827  IFLGC19211231      1      IF4318_ON
WR228302      20      LGC19211231      1  1      1  LGCALT      C4318_4
WR431831      0      LGC20010118      1  2      C4318_3
WS  4318      8.5  0.5228  0.8206      0      0
SO      LGCALT
IF228302      0      IFLGC19211231      1      IF4318_OF
IF228302      12827  IFLGC20010118      1      IF4318_OA
**
WR431902      34.0  IRR219620331  1  2  0.0000      C4319_1  C431964319002      BIRCH
WILFONG      TENER      3243900000  BRAQ33      5
WR432001      84.0  IRR219670731  1  2  0.0000      C4320_1  C432064320001      HERMAN
L HORN      BRAZOS RIVER      3242600000  BRWA41      5
**IF414101      170204.  IFD05119840515      1      IFP4141_1
A
**WR414101      170.  IRR219840515  1  2  0.0000      P4141_1  P414114141001      W
L MCPHERSON ET AL      BRAZOS RIVER      3242510000  CFNU16  A  5
    
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WR432101	337.	IRR219630831	1	2	0.0000		C4321_1	C432164321001			WALTON
K BALLEW						BRAZOS RIVER		3242300000 BRWA41	5		
WR432202	175.	IRR219640630	1	2	0.0000		C4322_1	C432264322002			ALTHIA
B G BURNETTE						BRAZOS RIVER		3242200000 BRWA41	5		
WR432301	173.	IRR219560630	1	2	0.0000		C4323_1	C432364323001			DOCK
L BURNETTE						BRAZOS RIVER		3242000000 BRWA41	5		
WR432401	305.	IRR219650630	1	2	0.0000		C4324_1	C432464324001			VANESSA
A GILPIN						BRAZOS RIVER		3241950000 BRWA41	5		
WR432441	0.	IRR219650630	1	2	0.0000		C4324_2	C432464324001			VANESSA
A GILPIN						BRAZOS RIVER		3241950000 BRWA41	5		
WSRC4324	12.0	0.2710 0.8958			0						
WR432501	48.0	IRR219670630	1	2	0.0000		C4325_1	C432564325001			NELDA
KATHRYN CARGILL						BRAZOS RIVER		3241500000 BRWA41	5		
WR432601	6.0	IRR219591231	1	2	0.0000		C4326_1	C432664326001			DAN
WELDON WILLIAMS						BRAZOS RIVER		3241480000 BRWA41	5		
WR432701	4.0	IRR219591231	1	2	0.0000		C4327_1	C432764327001			DAN
WELDON WILLIAMS						BRAZOS RIVER		3241470000 BRWA41	5		
WR432801	40.0	IRR219640701	1	2	0.0000		C4328_1	C432864328001			GEORGE
L MOORE						BRAZOS RIVER		3241460000 BRWA41	5		
WR432901	74.0	IND219641231	1	2	0.0000		C4329_1	C432964329001			THOMAS
BOTHERS GRASS LTD						BRAZOS RIVER		3241270000 BRWA41	5		
WR432901	856.	IRR219641231	1	2	0.0000		C4329_2	C432964329001			THOMAS
BOTHERS GRASS LTD						BRAZOS RIVER		3241270000 BRWA41	5		
WR433201	32.0	IRR219401231	1	2	0.0000		C4332_1	C433264332001			KARL
LEE REDDELL ET AL						BRAZOS RIVER		3240900000 BRWA41	5		
WR433101	44.0	IRR219401231	1	2	0.0000		C4331_1	C433164331001			DIANA
M WELLBORN ET AL						BRAZOS RIVER		3240880000 BRWA41	5		
WR433001	16.0	IRR219401231	1	2	0.0000		C4330_1	C433064330001			KARL
LEE & ELSIE MAE REDDELL						BRAZOS RIVER		3240870000 BRWA41	5		
WR433331	8.0	IRR219760614	1	2	0.0000		C4333_1	C433364333001			HILLSBORO
COUNTRY CLUB						PECAN CRK		3232900000 AQAQ34	5		
WSRC4333	18.0	0.5228 0.8206			0						

**
** Lake Aquilla
**
** Use is also authorized in San Jacinto-Brazos Coastal Basin.
**

IF515831	362.	UNIFO19761025		3			IFC5158_1				
WSAQUILA	31575.				0						
OR515831				-1							
** FNI change - System Operation											
WR515831	12246.	MUN219761025	1	2	0.0000		C5158_1	C515865158001			BRAZOS
RIVER AUTHORITY						AQUILLA CRK		3232500000 AQAQ34	5		
WSAQUILA	31575.				0						
PX	1										
WR515831	1650.	MUN219761025	1	4	R51581 106301		C5158_2	C515865158001			BRAZOS
RIVER AUTHORITY						AQUILLA CRK		3232500000 AQAQ34	5		
WSAQUILA	31575.				0						
PX	1										
WR515831	0.0	IND219761025	1	2	0.0000		C5158_3	C515865158001			BRAZOS
RIVER AUTHORITY						AQUILLA CRK		3232500000 AQAQ34	5		
WSAQUILA	31575.				0						
PX	1										
WR515831	0.0	MIN219761025	1	2	0.0000		C5158_4	C515865158001			BRAZOS
RIVER AUTHORITY						AQUILLA CRK		3232500000 AQAQ34	5		
WSAQUILA	31575.				0						
PX	1										
WR515831	0.0	UNIFO19761025	1	2	0.0000		C5158_5	C515865158001			BRAZOS
RIVER AUTHORITY						AQUILLA CRK		3232500000 AQAQ34	5		
WSAQUILA	31575.				0						
PX	1										

** SysOp Change:
** Calculate the total depletion for water right 5158.

WRSR5158		19761025				Compute Dep 5158	SYSTEM
TO	6	1.0	ADD			C5158_1	CONT
TO	6	1.0	ADD			C5158_2	CONT
TO	6	1.0	ADD			C5158_3	CONT
TO	6	1.0	ADD			C5158_4	CONT
TO	6	1.0	ADD			C5158_5	
PX	4						

** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to the regulated flow. In the first pass, the regulated flow is the depletion from the reservoir. In the second pass,
** the depletion is limited to the first pass (base run)

WRSR5158	9999999	19761025				Depletion 5158	SYSTEM
PX	5						

** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)

WR515831		19761025		1.0000	5158DP	Lumped Dep 5158	SYSTEM	1simdep
TO	11	1.0	ADD			Depletion 5158		
PX	2							

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** Special code to output storage from first simulation
WRAQ_dum          19761025          1simAQstor  look
TO      4          SET              AQUILA
PX      4
WRAQ_dum 9999999  XMONTH19761025    2simAQstor  look
PX      5
** - End modeling Aquila Reservoir.
** end FNI change
WR433431  1.0      IRR219640811  1  2  0.0000  C4334_1  C433464334001  "GEORGE
W. MCNIEL, ET AL"  AQUILLA CRK  3232000000  AQAQ34  5
WSRC4334  50.0    0.5228  0.8206  0  0
WR433501  40.0    IRR219640731  1  2  0.0000  C4335_1  C433564335001  ALPHONS
D URBANOVSKY  AQUILLA CRK  3229000000  BRWA41  5
WR433601  55.0    IRR219530630  1  2  0.0000  C4336_1  C433664336001  FAYE
SMITH ROMINE  GILES  3224800000  BRWA41  5
WR433601  55.0    IRR219530630  1  2  0.0000  C4336_2  C433664336001  KAYE
SMITH BOYD  GILES  3224800000  BRWA41  5
WR433701  58.0    IRR219660630  1  2  0.0000  C4337_1  C433764337001  DONALD
RISINGER PENSION PLAN  WHITE RIVER  3224680000  BRWA41  5
WR433801  130.    IRR219630523  1  2  0.0000  C4338_1  C433864338001  "JIM
G DOLLINS, SR"  BRAZOS RIVER  3224650000  BRWA41  5
WR220131  197.    IRR219680318  1  2  0.0000  C2201_1  C220162201002  "A.
B. COPELAND, JR."  N BOSQUE RIVER  3224500000  NBHI35  6
WSRC2201  197.    0.5228  0.8206  0  0
** The following three water rights share the same reservoir, but their right to divert has expired.
WR220331  0.0      D&L219720821  1  2  0.0000  C2203_1  C220362203301  LARRY
R JONES  N BOSQUE RIVER  3224450000  NBHI35  6
WSRC2202  252.    0.5228  0.8206  0  0
WR220331  0.0      D&L219720821  1  2  0.0000  C2202_1  C220262202301  JAMES
F EVERETT  N BOSQUE RIVER  3224420000  NBHI35  6
WSRC2202  252.    0.5228  0.8206  0  0
WR220331  0.0      D&L219720821  1  2  0.0000  C2204_1  C220462204001  JERRY
J. RANKIN ET AL  N BOSQUE RIVER  3224410000  NBHI35  6
WSRC2202  252.    0.5228  0.8206  0  0
WR220531  150.    IRR219701221  1  2  0.0000  C2205_1  C220562205001  JACK
BERRY  SCARBOROUGH CRK  3224400000  NBHI35  6
WSRC2205  307.    0.5228  0.8206  0  0
** The following 2 water rights share the same reservoir (RC2206).
WR220631  60.0    IRR219720103  1  2  0.0000  C2206_1  C220662206001  H.
W. NORTHCUTT  N FRK N BOSQUE RIVER  3224330000  NBHI35  6
WSRC2206  185.    0.5228  0.8206  0  0
WR220631  23.0    IRR219720103  1  2  0.0000  C2207_1  C220762207001  "ELVIS
RAY STONE SR, ET AL"  N FRK N BOSQUE RIVER  3224300000  NBHI35  6
WSRC2206  185.    0.5228  0.8206  0  0
** This water right (C2208) was reduced to 60 acft/yr under amendment C2208A, then split
** under amendment C2208B into 40 acft/yr & 20 acft/yr portions. The 20 acft/yr portion also represents
** a change in diversion location. While maintaining its 07/06/1971 priority date it was made
** junior to a list of water rights intervening between the original diversion location and the
** new diversion location. The 20 acft/yr portion is included in the input file in an order equivalent
** to the new diversion location, but the subordination to the intervening rights is not modeled.
WR220831  40.0    IRR219710706  1  2  0.0000  C2208_1  C220862208001  B
R FANNING  N FRK BOSQUE RIVER  3224270000  NBHI35  6
WSRC2208  121.    0.5228  0.8206  0  0
WR220931  3.0      IRR219770912  1  2  0.0000  C2209_1  C220962209001  H.
B. LANE  N FRK N BOSQUE RIVER  3224250000  NBHI35  6
WSRC2209  7.0      0.5228  0.8206  0  0
WR221001  92.0    IRR219530401  1  2  0.0000  C2210_1  C221062210001  RAYMOND
L. JARRATT  N BOSQUE RIVER  3224230000  NBHI35  6
WR221131  85.0    IRR219770124  1  2  0.0000  C2211_1  C221162211001  J.
T. HICKS  N BOSQUE RIVER  3224000000  NBHI35  6
WSRC2211  147.    0.5228  0.8206  0  0
**WR390002  150.    IRR219820607  1  2  0.0000  P3900_1  P390013900002  ANN
WYLIE MARTIN  S FRK N BOSQUE RIVER  3223830000  NBHI35  A 6
**WSRP3900  336.    0.8109  0.6681  0  0
** Water Rights C2212, C2213, & C2214 share the common reservoir RC2212. The diversion
** for these rights has expired, but the impoundment has not.
WR221231  0.0      D&L219720821  1  2  0.0000  C2212_1  C221262212301  BRUCE
S TERRILL  GOOSE BR  3223660000  NBHI35  6
WSRC2212  200.    0.4897  0.7633  0  0
WR221231  0.0      D&L219720821  1  2  0.0000  C2213_1  C221362213301  WILBURN
L GAINES  GOOSE BR  3223650000  NBHI35  6
WSRC2212  200.    0.4897  0.7633  0  0
WR221231  0.0      D&L219720821  1  2  0.0000  C2214_1  C221462214301  G
K LEWALLEN  GOOSE BR  3223640000  NBHI35  6
WSRC2212  200.    0.4897  0.7633  0  0
** Water rights C2216 & C2215 share the common reservoir RC2216.
WR221631  54.0    IRR219680226  1  2  0.0000  C2216_1  C221662216001  CRAIG
W. RAY  N CORINTH CRK  3223600000  NBHI35  6
WSRC2216  160.    0.5228  0.8206  0  0
WR221631  54.0    IRR219680226  1  2  0.0000  C2215_1  C221562215001  GREAT
SOUTHERN RANCH INC  N CORINTH CRK  3223500000  NBHI35  6
WSRC2216  160.    0.5228  0.8206  0  0
** Diversion portion of the right has expired and the storage reduced to 200 acft from 240.
** Rights C2217 & C2218 share the common reservoir RC2217.

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WR223731	90.0	IRR219580604	1	2	0.0000		C2237_1	C223762237001		MAX
L GORDON & ELOISE GORDON		GREEN CRK						3220000000	NBHI35	6
WSRC2237	181.	0.5228	0.8206	0	0					
** Divert maximum of 130 acft/yr from 149 acft on-channel reservoir. Divert 66 acft/yr from										
** off-channel reservoirs and Green Creek.										
WR223831	130.0	IRR219550731	1	2	0.0000		C2238_1	C223862238001		JON
DAVID MAYFIELD TRUST		GREEN CRK						3216000000	NBHI35	6
WSRC2238	149.0	0.5228	0.8206	0	0					
WR223841	66.0	IRR119550731	1	2	0.0000		C2238_2	C223862238001		
NBHI35										
WSR22381	60.0	0.2710	0.8958	0	0					
SO		196.	223801	BACKUP						
WR223931	32.0	IRR219550627	1	2	0.0000		C2239_1	C223962239001		A.
H. LINNE		GREEN CRK						3214000000	NBHI35	6
WSRC2239	164.	0.5228	0.8206	0	0					
WR224031	137.	IRR219701013	1	2	0.0000		C2240_1	C224062240002		A
DWAIN MAYFIELD ET AL		GREEN CRK						3212000000	NBHI35	6
WSRC2240	137.	0.5228	0.8206	0	0					
** Water rights C2241 & C2242 share the common reservoir RC2241.										
WR224131	33.0	IRR219691222	1	2	0.0000		C2241_1	C224162241001		"WAYNE
PITTMAN, ET AL"		BELL CRK						3207000000	NBHI35	6
WSRC2241	148.	0.5228	0.8206	0	0					
WR224131	40.0	IRR219691222	1	2	0.0000		C2242_1	C224262242001		MRS
W K RICHARDSON		BELL CRK						3206990000	NBHI35	6
WSRC2241	148.	0.5228	0.8206	0	0					
WR224331	90.0	IRR219580908	1	2	0.0000		C2243_1	C224362243002		BEN
E. ROBBINS		BELL CRK						3205000000	NBHI35	6
WSRC2243	188.	0.5228	0.8206	0	0					
** Water rights C2244 & C2245 share the common reservoir RC2244.										
WR224431	27.0	IRR219650202	1	2	0.0000		C2244_1	C224462244001		DONALD
MCLEAN		COTTONWOOD CRK						3204000000	NBHI35	6
WSRC2244	54.0	0.5228	0.8206	0	0					
WR224431	20.0	IRR219650202	1	2	0.0000		C2245_1	C224562245001		DORIS
S HEIZER		COTTONWOOD CRK						3203000000	NBHI35	6
WSRC2244	54.0	0.5228	0.8206	0	0					
WR224631	152.	IRR219660330	1	2	0.0000		C2246_1	C224662246001		DON
MITCHELL ET AL		HEAVENLY BR						3201000000	NBHI35	6
WSRC2246	199.	0.4897	0.7633	0	0					
** Water rights C2247_1, C2248, & C2249 share the common reservoir RC2248.										
WR224831	35.0	IRR219680408	1	2	0.0000		C2247_1	C224762247001		BAR-
TO-LO CORPORATION		N LTL GREEN CRK						3197150000	NBHI35	6
WSRC2248	179.	0.5228	0.8206	0	0					
**WSRC2247	27.0	0.5228	0.8206	0	0					
WR224831	62.0	IRR219570930	1	2	0.0000		C2248_1	C224862248001		ALWINA
LUINE HEIZER HANCOCK		N LTL GREEN CRK						3197050000	NBHI35	6
WSRC2248	179.	0.5228	0.8206	0	0					
WR224831	19.0	IRR219680408	1	2	0.0000		C2249_1	C224962249002		THOMAS
H. & DOLORES C. BENSON		N LTL GREEN CRK						3197000000	NBHI35	6
WSRC2248	179.	0.5228	0.8206	0	0					
WR225001	4.0	IRR219670731	1	2	0.0000		C2250_1	C225062250001		OTHEY
SHADDEN		GREEN CRK						3192500000	NBHI35	6
WR225101	28.0	IRR219630718	1	2	0.0000		C2251_1	C225162251001		WANDA
TRIMBLE		N BOSQUE RIVER						3191600000	NBHI35	6
WR225331	0.0	D&L219730730	1	2	0.0000		C2253_1	C225362253301		J
P CATTLE COMPANY		SPRING CRK						3191250000	NBHI35	6
WSRC2253	270.	0.5228	0.8206	0	0					
WR225201	30.0	IRR219631231	1	2	0.0000		C2252_1	C225262252001		J
B PUTTY TRUSTEE		N BOSQUE RIVER						3191200000	NBHI35	6
**WR505131	606.	IRR219860328	1	2	0.0000		P5051_1	P505115051001		DENNIS
R HADEN		GILMORE CRK						3191150000	NBHI35	A 6
**WSRP5051	1227.	0.5228	0.8206	0	0					
WR225501	47.7	IRR219621231	1	2	0.0000		C2255_1	C225562255001		WAYNE
V DUNCAN ET UX		N BOSQUE RIVER						3191020000	NBHI35	6
WR225501	26.8	IRR219621231	1	2	0.0000		C2255_2	C225562255001		ROBERT
L BOYKIN ET AL		N BOSQUE RIVER						3191020000	NBHI35	6
WR225501	84.5	IRR219621231	1	2	0.0000		C2255_3	C225562255001		GARY
W DUNCAN ET AL		N BOSQUE RIVER						3191020000	NBHI35	6
WR225401	65.0	IRR219551231	1	2	0.0000		C2254_1	C225462254001		W
E PUTTY		GILMORE CRK						3191010000	NBHI35	6
WR225801	32.0	IRR219661231	1	2	0.0000		C2258_1	C225862258001		RANDOLPH
M ROTEN		N BOSQUE RIVER						3191000000	NBHI35	6
WR225901	112.0	IRR219651231	1	2	0.0000		C2259_1	C225962259001		F
MELVIN JOHNSON		N BOSQUE RIVER						3190510000	NBHI35	6
WR226001	56.0	IRR219500731	1	2	0.0000		C2260_1	C226062260001		F.
MELVIN & HELENE JOHNSON		N BOSQUE RIVER						3190490000	NBHI35	6
WR226101	8.0	IRR219671231	1	2	0.0000		C2261_1	C226162261001		CECIL
PARKS		N BOSQUE RIVER						3190200000	NBCL36	6
WR226201	30.0	IRR219671231	1	2	0.0000		C2262_1	C226262262001		VERNON
CLARK BEAIRD		N BOSQUE RIVER						3189650000	NBCL36	6
WR226301	65.0	IRR219591231	1	2	0.0000		C2263_1	C226362263001		WILLIAM
VAN ZANDT SLOAN & WIFE		HONEY CRK						3188500000	NBCL36	6
WR226404	45.0	IRR219551231	1	2	0.0000		C2264_1	C226462264004		WILLIAM
VAN ZANDT SLOAN & WIFE		HONEY CRK						3188400000	NBCL36	6

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WR226501	268.0	IRR219551231	1	2	0.0000				C2265_1	C226562265001			DEREL
FILLINGIM						N BOSQUE RIVER				3188000000	NBCL36	6	
** Expired													
**WR378331	0.	IRR219801006	1	2	0.0000				P3783_1	P378313783001			DEREL
FILLINGIM						N BOSQUE RIVER				3187900000	NBCL36	A 6	
**WSRP3783	75.0	0.5228	0.8206	0	0								
**IF378301	10136.0	IFD06419801006					1						IFP3783_1
A													
**WR378301	200.	IRR219801006	1	2	0.0000				P3783_2	P378313783001			DEREL
FILLINGIM						N BOSQUE RIVER				3187900000	NBCL36	A 6	
**WR378331	0.	IND219801006	1	2	0.0000				P3783_3	P378313783001			DEREL
FILLINGIM						N BOSQUE RIVER				3187900000	NBCL36	A 6	
**WSRP3783	75.0	0.5228	0.8206	0	0								
**SO		200.				BACKUP							
WR226601	18.0	IRR219661231	1	2	0.0000				C2266_1	C226662266001			KARL
T BUTZ JR						N BOSQUE RIVER				3186850000	NBCL36	6	
WR226701	0.3	IRR219471231	1	2	0.0000				C2267_1	C226762267001			RONNIE
W PARTAIN						DAFFAU CRK				3185900000	NBCL36	6	
WR226701	0.7	IRR219471231	1	2	0.0000				C2267_2	C226762267001			MARGO
JOY PARTAIN BATTERSHELL						DAFFAU CRK				3185900000	NBCL36	6	
WR226801	11.0	IRR219631231	1	2	0.0000				C2268_1	C226862268001			"BARRY
L. POLK, ET UX"						DAFFAU CRK				3185880000	NBCL36	6	
WR226901	4.0	IRR219661231	1	2	0.0000				C2269_1	C226962269001			MICHAEL
J LOTT ET UX						N BOSQUE RIVER				3184520000	NBCL36	6	
WR227031	24.0	IRR219670531	1	2	0.0000				C2270_1	C227062270001			J.
N. BURNS						BOYD BR				3184250000	NBCL36	6	
WSRC2270	26.0	0.4897	0.7633	0	0								
WR227101	15.0	IRR219501231	1	2	0.0000				C2271_1	C227162271001			ALBERT
N PIKE & EUGENIA						N BOSQUE RIVER				3184000000	NBCL36	6	
WR227201	42.0	IRR219661231	1	2	0.0000				C2272_1	C227262272001			DAVID
H. MONNICH						N BOSQUE RIVER				3183500000	NBCL36	6	
WR227302	98.0	IRR219791106	1	2	0.0000				C2273_1	C227362273002			W.F.LONG
ROUGH CRK									6				
WSC22731	450.	0.5228	0.8206	0	0								
WR227301	0.0	IRR219791106	1	2	0.0000				C2273_2	C227362273001			W.F.LONG
ROUGH CRK									6				
WSRC2273	78.	0.5228	0.8206	0	0								
SO		98.0				BACKUP							
** Water Right C2274 shares 99 acft of storage with C2275 in reservoir C22753.													
**WR227432	81.0	IRR219691020	1	2	0.0000				C2274_1	C227462274002			LOUIS
A BEECHERL JR						FLAG				3180100000	NBCL36	6	
**WSC22741	1217.	0.5228	0.8206	0	0								
**WR227431	0.0	IRR219691020	1	2	0.0000				C2274_2	C227462274001			LOUIS
A BEECHERL JR						FLAG				3180100000	NBCL36	6	
**WSC22742	248.	0.4897	0.7633	0	0								
**SO						BACKUP							
**WR227537	0.0	IRR219691020	1	2	0.0000				C2274_3	C227462275007			LOUIS
A BEECHERL JR						FLAG				3180100000	NBCL36	6	
**WSC22753	99.	0.5228	0.8206	0	0								
**SO						BACKUP							
** Grouped 5 of 7 reservoirs associated with this right at control point 227511 for a combined													
** storage of 1166 acft. Reservoir C22753 shared with C2274.													
**WR227514	155.	IRR219691020	1	2	0.0000				C2275_1	C227562275014			LOUIS
A BEECHERL JR						BULL CRK				3180050000	NBCL36	6	
**WR227536	0.	IRR219691020	1	2	0.0000				C2275_2	C227562275006			LOUIS
A BEECHERL JR						BULL CRK				3180050000	NBCL36	6	
**WSC22751	579.	0.4897	0.7633	0	0								
**SO						BACKUP							
**WR227511	0.	IRR219691020	1	2	0.0000				C2275_3	C227562275011			LOUIS
A BEECHERL JR						BULL CRK				3180050000	NBCL36	6	
**WSC22752	1166.	0.5228	0.8206	0	0								
**SO						BACKUP							
**WR227537	0.	IRR219691020	1	2	0.0000				C2275_4	C227562275007			LOUIS
A BEECHERL JR						BULL CRK				3180050000	NBCL36	6	
**WSC22753	99.	0.5228	0.8206	0	0								
**SO						BACKUP							
**WR227631	90.0	IRR219541231	1	2	0.0000				C2276_1	C227662276001			LOUIS
A BEECHERL JR						E BOSQUE RIVER				3180000000	NBCL36	6	
**WSRC2276	90.0	0.5228	0.8206	0	0								
** WR/WS/SO/IF Records added/changed for C2276, Louis A Beecherl Jr.													
** 3 certificates combined into 1. C2274 & C2275 into C2276.													
WR227633	81.0	IRR219691020	1	2	0.0000				C2276_1	C227662276003			LOUIS
A BEECHERL JR						FLAG				3180100000	NBCL36	6	
WSC22763	1217.	0.5228	0.8206	0	0								
WR227632	0.0	IRR219691020	1	2	0.0000				C2276_2	C227662276002			LOUIS
A BEECHERL JR						FLAG				3180100000	NBCL36	6	
WSC22762	248.	0.4897	0.7633	0	0								
SO						BACKUP							
WR22763B	0.0	IRR219691020	1	2	0.0000				C2276_3	C227662276011			LOUIS
A BEECHERL JR						FLAG				3180100000	NBCL36	6	
WSC2276B	99.	0.5228	0.8206	0	0								
SO						BACKUP							
** Grouped 5 of 7 reservoirs associated with this right at control point 227613 for a combined													
** storage of 1166 acft.													

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WR227616	155.	IRR219691020	1	2	0.0000			C2276_4	C227662276106			LOUIS
A BEECHERL JR						BULL CRK			3180050000 NBCL36	6		
WR22763A	0.	IRR219691020	1	2	0.0000			C2276_5	C227662276010			LOUIS
A BEECHERL JR						BULL CRK			3180050000 NBCL36	6		
WSC2276A	579.	0.4897	0.7633			0	0					
SO						BACKUP						
WR227613	0.	IRR219691020	1	2	0.0000			C2276_6	C227662276103			LOUIS
A BEECHERL JR						BULL CRK			3180050000 NBCL36	6		
WSC22767	1166.	0.5228	0.8206			0	0					
SO						BACKUP						
WR22763B	0.	IRR219691020	1	2	0.0000			C2276_7	C227662276011			LOUIS
A BEECHERL JR						BULL CRK			3180050000 NBCL36	6		
WSC2276B	99.	0.5228	0.8206			0	0					
SO						BACKUP						
WR227631	90.0	IRR219541231	1	2	0.0000			C2276_8	C227662276001			LOUIS
A BEECHERL JR						E BOSQUE RIVER			3180000000 NBCL36	6		
WSRC2276	90.0	0.5228	0.8206			0	0					
**												
WR227702	10.0	IRR219511231	1	2	0.0000			C2277_1	C227762277002			"THOMAS
G PETERS, ET UX"						E BOSQUE RIVER			3179500000 NBCL36	6		
WR227802	114.	IRR219661231	1	2	0.0000			C2278_1	C227862278002			WILLIAM
E. GIPSON						N BOSQUE RIVER			3178500000 NBCL36	6		
WR227901	9.0	IRR219671231	1	2	0.0000			C2279_1	C227962279001			LOUISE
P L HAMPE ET AL						N BOSQUE RIVER			3178000000 NBCL36	6		
WR228002	69.0	IRR219550731	1	2	0.0000			C2280_1	C228062280002			JOHN
DAVID BELL ET UX						N BOSQUE RIVER			3177500000 NBCL36	6		
IF228101	3585.0	IFD06519600430				1		IFC2281_1				
WR228101	7.0	IRR219600430	1	2	0.0000			C2281_1	C228162281001			RAY
J MILLER						N BOSQUE RIVER			3174500000 NBCL36	6		
**WR228101	100.	IRR219841001	1	2	0.0000			C2281_2	C228162281001			RAY
J MILLER						N BOSQUE RIVER			3174500000 NBCL36	A 6		
WR228202	253.	IRR219581231	1	2	0.0000			C2282_1	C228262282002			LESTER
M ALBERTHAL JR						N BOSQUE RIVER			3174000000 NBCL36	6		
WR228301	8.0	IRR219641231	1	2	0.0000			C2283_1	C228362283001			MARGARET
D WHITE						N BOSQUE RIVER			3171500000 NBCL36	B 6		
WR228402	25.0	IRR219391231	1	2	0.0000			C2284_1	C228462284002			L
C AND ISABELLE C HOWARD						N BOSQUE RIVER			3171000000 NBCL36	6		
WR228501	35.0	IRR219491231	1	2	0.0000			C2285_1	C228562285001			LEONARD
C RADDE						N BOSQUE RIVER			3170000000 NBCL36	6		
**IF541101	3620.0	IFD06619920327					1					IFP5411_1
A												
**WR541101	20.0	IRR219920327	1	2	0.0000			P5411_1	P541115411001			NORMAN
J NEELLEY						N BOSQUE RIVER			3168260000 NBCL36	A 6		
WR228731	7.0	IRR219651231	1	2	0.0000			C2287_1	C228762287001			BILLY
G AND IRIS S HODGES						AUSTIN BR			3164500000 NBCL36	6		
WSRC2287	13.0	0.4897	0.7633			0	0					
WR228801	3.5	IRR219651231	1	2	0.0000			C2288_1	C228862288001			SHANNON
LAIRD HODGES ET AL						AUSTIN BR			3164000000 NBCL36	6		
**WR380934	230.	IRR219801103	1	2	0.0000			P3809_1	P380913809004			MRS
JESSIE M REED						SPRING CRK			3163510000 NBCL36	A 6		
WR228931	0.0	UNIFO19690922	1	2	0.0000			C2289_1	C228962289301			TEXAS
PARKS & WILDLIFE DEPT						BEE CRK			3162000000 NBCL36	6		
WSRC2289	360.	0.5228	0.8206			0	0					
WR555101	7.0	IRR219631231	1	2	0.0000			C2291_1	C229162991001			CITY
OF CLIFTON						N BOSQUE RIVER			3161000001 NBCL36	6		
WSRC2291	100.	0.5228	0.8206			0	0					
WR555101	600.	MUN219630314	1	2	0.0000			C2291_2	C229162991001			CITY
OF CLIFTON						N BOSQUE RIVER			3159000000 NBCL36	6		
WSRC2291	100.	0.5228	0.8206			0	0					
WR229002	16.1	IRR219561231	1	2	0.0000			C2290_1	C229062290002			J.
L. JENSON						N BOSQUE RIVER			3161000000 NBCL36	6		
WR229002	28.9	IRR219561231	1	2	0.0000			C2290_2	C229062290002			JAMES
CROSLEY ET UX						N BOSQUE RIVER			3161000000 NBCL36	6		
IF555101	8172.0	IFD06719960403				1		IFP5551_1				
WR555131	0	19960403						P5551_1				
WSRP5551	2000	0.5228	0.8206					P5551_2	P5551			
PX	1											
WR555131	0	19960403										
WSRP5551	2000	0.5228	0.8206									
PX	2											
WR555131	2004.	MUN219960403	1	2	0.0000			P5551_3	5551001			CITY
OF CLIFTON						N BOSQUE RIVER			3160000000 NBCL36	6		
WSRP5551	2000.	0.5228	0.8206			0	0					
SO	714	2004.	555101									
PX	1											
WR555131	2004.	MUN219960403	1	2	0.0000			P5551_4	P555115551001			CITY
OF CLIFTON						N BOSQUE RIVER			3160000000 NBCL36	6		
WSRP5551	2000.	0.5228	0.8206			0	0					
SO	714	2004.	555101									
PX	2		2 509431									
** FNI Change - Modeling at revised priority date to preserve prior appropriation relative to System Operation Modeling												
** Actual priority date 09/08/2005												
WR555131	0.	MUN220120305						P5899_1	P5899			
**WR555131	0.	MUN220050908						P5899_1	P5899			

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WSRP5551	2000.	0.5228	0.8206										
PX	2		2	509431									
IF555101	15038	MERID20120305		1		IF5899							
WR555131	1336	MUN220120305		1	2		P5899_2	P5899					
**IF555101	15038	MERID20050908			1	IF5899							
**WR555131	1336	MUN220050908		1	2		P5899_2	P5899					
WSRP5551	2000.	0.5228	0.8206										
SO	476	1336	555101										
PX	2		2	509431									
** FNI Change end													
**													
WR229301	7.0	IRR219051231		1	2	0.0000	C2293_1	C229362293001					ESTHER
K WIEDERAENDERS			N BOSQUE RIVER					3144000000	NBVM37		6		
WR229403	80.0	IRR219460630		1	2	0.0000	C2294_1	C229462294003					"R.D., J.L., & M.L.
LUNDBERG"			N BOSQUE RIVER					3143100000	NBVM37		6		
WR229501	49.0	IRR219530630		1	2	0.0000	C2295_1	C229562295001					REGINALD
& NALLIE LINDBERG			N BOSQUE RIVER					3143000000	NBVM37		6		
** Expired													
**WR229731	110.	IRR219780206		1	2	0.0000	C2297_1	C229762297001					"R
C "BOB" DUNCAN"			UNNAMED TRIB					3142480000	NBVM37		A	6	
**WSRC2297	56.0	0.5228	0.8206			0							
WR229801	104.	IRR219650405		1	2	0.0000	C2298_1	C229862298001					CHARLES
E. STEVENS			S FRK NEILS CRK					3142350000	NBVM37		6		
WR229205	261.	IRR219491231		1	2	0.0000	C2292_1	C229262292005					W.
O. GLOFF			N BOSQUE RIVER					3142130000	NBVM37		6		
WR229902	22.0	IRR219601231		1	2	0.0000	C2299_1	C229962299002					D.
I. BULLION			N BOSQUE RIVER					3142050000	NBVM37		6		
WR230000	100.	IRR219671231		1	2	0.0000	C2300_1	C230062300000					WILLIAM
J. HIX ET AL			N BOSQUE RIVER					3141000000	BOWA40		6		
WR230101	70.0	IRR219580531		1	2	0.0000	C2301_1	C230162301001					ABIGAIL
HALBERT KAMM			N BOSQUE RIVER					3139000000	BOWA40		6		
WR230201	122.	IRR219661231		1	2	0.0000	C2302_1	C230262302001					STEVEN
K CAPERTON ET UX			N BOSQUE RIVER					3138250000	BOWA40		6		
WR230301	30.0	IRR219550630		1	2	0.0000	C2303_1	C230362303001					"WALTER
WARREN FAIR, ET UX"			N BOSQUE RIVER					3137600000	BOWA40		6		
** This water right(C2208) was reduced to 60 acft/yr under amendment C2208A, then split													
** under amendment C2208B into 40 acft/yr & 20 acft/yr portions.													
WR220807	20.0	IRR219710706		1	2	0.0000	C2208_2	C220862208007					JOHN
MOCEK ET UX			N BOSQUE RIVER					3137550000	BOWA40		6		
WR230401	3.1	IRR219550630		1	2	0.0000	C2304_1	C230462304001					HUGH
WHITFIELD DAVIS			N BOSQUE RIVER					3137500000	BOWA40		6		
WR230401	43.9	IRR219550630		1	2	0.0000	C2304_2	C230462304001					WALTER
WARREN FAIR ET UX			N BOSQUE RIVER					3137500000	BOWA40		6		
WR230501	40.0	IRR219630731		1	2	0.0000	C2305_1	C230562305001					BERTRAND
A TALBERT			N BOSQUE RIVER					3137000000	BOWA40		6		
WR230601	5.0	IRR218991231		1	2	0.0000	C2306_1	C230662306001					HARRY
A. & ATHALIA P. BRITTON			N BOSQUE RIVER					3136500000	BOWA40		6		
WR230701	23.0	IRR219631231		1	2	0.0000	C2307_1	C230762307001					SAMUEL
N. & TESSIE B. CARROLL			M BOSQUE RIVER					3135000000	MBMG38		6		
WR230801	10.0	IRR219660731		1	2	0.0000	C2308_1	C230862308001					IRA
H WESTERFIELD			M BOSQUE RIVER					3134000000	MBMG38		6		
IFP41351	15217.0	IFD06819830515				1	IFP4135_1						
WR413541	55.0	MUN219830515		1	2	0.0000	P4135_1	P413514135001					CITY OF
CRAWFORD			TONK CRK					3131500000	MBMG38		6		
WSRP4135	230.	0.2710	0.8958			0							
SO		85.0	P41351										
WR230901	10.0	IRR219671231		1	2	0.0000	C2309_1	C230962309001					JERRY
AND JOY CLEMMONS			S BOSQUE RIVER					3131000000	BOWA40		6		
WR231031	16.0	IRR219461231		1	2	0.0000	C2310_1	C231062310001					JIM
HERING			HARRIS CRK					3127100000	BOWA40		6		
WSRC2310	18.0	0.5228	0.8206			0							
**WR539741	10.0	IRR219920130		1	2	0.0000	P5397_1	P539715397001					TOM
WADE & JUDY WADE			S BOSQUE RIVER					3120000000	BOWA40		6		
**WSRP5397	2.1	0.2710	0.8958			0							
**WR539731	0.0	IRR119920130		1	2	0.0000	P5397_2	P539715397001					
BOWA40													
**WSP53972	0.5	0.5228	0.8206			0							
**SO		10.	BACKUP										
**WR363631	109.	IRR219781106		1	2	0.0000	P3636_1	P363613636001					GEORGE
CHASE			LIVE OAK CRK					3118980000	HGCR39		A	6	
**WSRP3636	419.	0.5228	0.8206			0							
**WR363631	110.	IRR219781106		1	2	0.0000	P3636_2	P363613636001					EVELYN
WILLIE MOODY			LIVE OAK CRK					3118980000	HGCR39		A	6	
**WSRP3636	419.	0.5228	0.8206			0							
WR231131	0.0	D&L119770516		1	2	0.0000	C2311_1	C231162311301					ROBERT
HALL			HOG CRK					3118690000	HGCR39		6		
WS231131	740.0	0.5228	0.8206			0							
WR231231	162.	IRR219501231		1	2	0.0000	C2312_1	C231262312001					ROBERT
HALL			HOG CRK					3118690000	HGCR39		6		
WSRC2312	55.0	0.5228	0.8206			0							
WR231331	14.0	UNIFO19650731		1	2	0.0000	C2313_1	C231362313001					IRA
H. WESTERFIELD			HOG CRK					3117000000	HGCR39		6		
WR231331	0.0	UNIFO19650731		1	2	0.0000	C2313_2	C231362313001					IRA
H. WESTERFIELD			HOG CRK					3117000000	HGCR39		6		

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WSRC2313	5.0	0.5228	0.8206	0	0							
WR231432	0.0	UNIFO19301231		1	2	0.0000	C2314_1	C231462314302				"RAINBOW
LAKE, INCORPORATED"			UNNAMED TRIB					3115300000	BOWA40	6		
WSRC2314	105.	0.5228	0.8206	0	0							
** Lake Waco												
** The priority of the impoundment for Lake Waco is not explicitly assigned in the paper right. However, the Final												
** Adjudication for the Bosque River Watershed clearly assigns the priority for impoundment at 1/10/1929.												
** Added industrial use												
** New code to handle evap												
**												
WR509431	39100.	MUN219290110		1	4	R50941 110711	C2315_1	C231562315001				CITY
OF WACO			BOSQUE RIVER					3095000000	BOWA40	6		
WSLKWACO	39100.									2		
PX	3											
WR509431	19100.	MUN219580416		1	4	R50941 110711	C2315_2	C231562315001				CITY
OF WACO			BOSQUE RIVER					3095000000	BOWA40	6		
WS WACO2	65000.									2	-1	
PX	3											
WR509431	900.	IRR219790221		1	2	0.0000	C2315_3	C231562315001				CITY
OF WACO			BOSQUE RIVER					3095000000	BOWA40	6		
WS WACO2	65000.									2	-1	
PX	3											
** Lake Waco Enlargement												
WR509431	20082.	MUN219860912		1	4	R50941 110711	P5094_1	P509415094001				CITY
OF WACO			BOSQUE RIVER					3095100000	BOWA40	6		
WS WACO4	65967.									2	-1	
PX	3											
WR509431	688.	MUN219880121		1	4	R50941 110711	P5094_2	P509415094001				CITY
OF WACO			BOSQUE RIVER					3095100000	BOWA40	6		
WS WACO4	65967.									2	-1	
PX	3											
**WR509431	000.	MUN299999999		1	4	R50941 110711	P5094_3	P509415094001				CITY
OF WACO			BOSQUE RIVER					3095100000	BOWA40	6		
**WS WACO5	14400.									2	-1	
**PX	3											
**												
WR509431		40050101					1BUCLIF_MERI					
WS WACO4	88062.									2	-1	
BU	0		P5551									
BU	0		P5899									
PX	2											
WR509431		999999999					C2315_4	C231562315001				CITY
OF WACO			BOSQUE RIVER					3095000000	BOWA40	6		
WSLKWACO	39100.		00000							2		
WR509431		999999999					C2315_5	C231562315001				CITY
OF WACO			BOSQUE RIVER					3095000000	BOWA40	6		
WS WACO2	65000.		00000							2	-1	
WR509431		999999999					P5094_4	P509415094001				CITY
OF WACO			BOSQUE RIVER					3095100000	BOWA40	6		
WS WACO4	88062.		00000							2	-1	
**WR509431		999999999					P5094_5	P509415094001				CITY
OF WACO			BOSQUE RIVER					3095100000	BOWA40	6		
**WS WACO5	14400.		00000							2	-1	
**												
** end FNI change												
**												
WR231601	193.	IRR219251030		1	2	0.0000	C2316_1	C231662316001				C.
L. SLIGH FARMS			BOSQUE RIVER					3070000000	BOWA40	6		
WR231801	35.0	IRR219571231		1	2	0.0000	C2318_1	C231862318001				FRANK
W SIPAN ET AL			BOSQUE RIVER					3045250000	BRWA41	6		
WR231701	248.	IRR219181120		1	2	0.0000	C2317_1	C231762317001				CHARLOTTE
B JOHNSON ET AL			BOSQUE RIVER					3045101000	BRWA41	6		
WR362701	13.0	IRR219670115		1	2	0.0000	C3627_1	C362763627001				DINAH
KAY DENSMAN ET AL			LEON RIVER					2398000000	LEHS45	7		
WR362601	160.	IRR219630715		1	2	0.0000	C3626_1	C362663626001				WOLFE
PECANLANDS INC			LEON RIVER					2395000000	LEHS45	7		
WR362931	48.0	IRR219750908		1	2	0.0000	C3629_1	C362963629001				BOBBY
& LINDA SIKES			WALNUT CRK					2391000000	LEHM46	7		
WSRC3629	50.0	0.5228	0.8206	0	0							
WR363001	30.0	IRR219291231		1	2	0.0000	C3630_1	C363063630001				J
H VAN ZANT			LEON RIVER					2390100000	LEHM46	7		
WR363101	50.0	IRR219660731		1	2	0.0000	C3631_1	C363163631001				J
Z STARK			LEON RIVER					2389900000	LEHM46	7		
WR363201	3.0	IRR219670610		1	2	0.0000	C3632_1	C363263632001				RANDLE
JOE EVANS			LEON RIVER					2389770000	LEHM46	7		
WR363301	61.0	IRR219670531		1	2	0.0000	C3633_1	C363363633001				DONALD
DEE SALTER ET AL			LEON RIVER					2389750000	LEHM46	7		
WR363401	31.0	IRR219640731		1	2	0.0000	C3634_1	C363463634001				BEATRICE
LOGGINS			LEON RIVER					2389330000	LEHM46	7		
WR363501	84.0	IRR219520630		1	2	0.0000	C3635_1	C363563635001				JOE
RILEY			LEON RIVER					2389300000	LEHM46	7		
WR363733	450.	IRR219461231		1	2	0.0000	C3637_1	C363763637003				GORES
INCORPORATED			INDIAN CRK					2389240000	LEHM46	7		
WSRC3637	29.0	0.5228	0.8206	0	0							

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WR363741	0.0	IRR219760802	1	2	0.0000		C3637_2	C363763637001		GORES
INCORPORATED						INDIAN CRK		2389240000	LEHM46	7
WSC36371	55.0	0.2710	0.8958		0					
SO						BACKUP				
WR363831	40.0	IRR219581231	1	2	0.0000		C3638_1	C363863638001		J
B GUNTER & P D GUNTER						INDIAN CRK		2388800000	LEHM46	7
WSRC3638	25.0	0.5228	0.8206		0					
WR363941	35.0	IRR219510731	1	2	0.0000		C3639_1	C363963638001		GAIL
W & MARY L YORK						INDIAN CRK		2388750000	LEHM46	7
WSRC3639	4.5	0.2710	0.8958		0					
WR364031	23.0	IRR219631231	1	2	0.0000		C3640_1	C364063640001		SCOTT
G. SALTER						INDIAN CRK		2388650000	LEHM46	7
WSRC3640	4.0	0.5228	0.8206		0					
WR364131	0.0	D&L219731029	1	2	0.0000		C3641_1	C364163641301		BERRY
RAY BINGHAM						DARGAN CRK		2388580000	LEHM46	7
WSRC3641	30.0	0.5228	0.8206		0					
WR364201	9.0	IRR219600731	1	2	0.0000		C3642_1	C364263642001		CARL
DWAIN HALL						INDIAN CRK		2388530000	LEHM46	7
WR364334	69.0	IRR219530430	1	2	0.0000		C3643_1	C364363643004		JOHN
PAUL MCCULLOUGH ET UX						SALT CRK		2388400000	LEHM46	7
WSRC3643	36.0	0.5228	0.8206		0					
WR364531	18.0	IRR219710712	1	2	0.0000		C3645_1	C364563645001		MARK
& SHERRI GUNTER						SALT CRK		2388380000	LEHM46	7
WSRC3645	18.0	0.5228	0.8206		0					
** 24 acft diversion from 24 acft reservoir has expired.										
WR364532	0.0	IRR219801006	1	2	0.0000		C3645_2	C364563645001		MARK
& SHERRI GUNTER						SALT CRK		2388380000	LEHM46	7
WSC36451	24.0	0.5228	0.8206		0					
WR364601	7.0	IRR219670630	1	2	0.0000		C3646_1	C364663646001		THOMAS
E LUKER						LEON RIVER		2388360000	LEHM46	7
WR363601	40.0	IRR219520731	1	2	0.0000		C3636_1	C363663636001		GAYLAND
STEPHENS ET UX						LEON RIVER		2388330000	LEHM46	7
WR364732	41.0	IRR219540930	1	2	0.0000		C3647_1	C364763647002		DONALD
W MOORE						BAGGETT CRK		2388290000	LEHM46	7
WSRC3647	126.	0.5228	0.8206		0					
WR364801	49.0	IRR219520831	1	2	0.0000		C3648_1	C364863648001		EVA
F MOORE						BAGGETT CRK		2388270000	LEHM46	7
WR364802	0.0	IRR219520831	1	2	0.0000		C3648_2	C364863648002		EVA
F MOORE						BAGGETT CRK		2388270000	LEHM46	7
SO						BACKUP				
WR364841	0.0	UNIFO19520831	1	2	0.0000		C3648_3	C364863648001		EVA F
MOORE						BAGGETT CRK		2388270000	LEHM46	7
WSRC3648	6.0	0.5228	0.8206		0					
WR364901	130.	IRR219500630	1	2	0.0000		C3649_1	C364963649001		CULLEN
STEPHENS						LEON RIVER		2388150000	LEHM46	7
WR365041	34.0	IRR219640731	1	2	0.0000		C3650_1	C365063650001		GUY E
MOORE						LEON RIVER		2388100000	LEHM46	7
WSRC3650	7.5	0.5228	0.8206		0					
WR365201	8.0	IRR219640731	1	2	0.0000		C3652_1	C365263652001		O
A DICKEY						LEON RIVER		2387850000	LEHM46	7
WR365101	107.	IRR219610731	1	2	0.0000		C3651_1	C365163651001		JOHN
R MOORE ET UX						LEON RIVER		2386000000	LEHM46	7
WR365101	15.0	IRR219610731	1	2	0.0000		C3651_2	C365163651001		JOE
D MOORE						LEON RIVER		2386000000	LEHM46	7
**WR365301	12.0	IRR219630831	1	2	0.0000		C3653_1	C365363653001		LARRY
WAYNE ADAMS						LEON RIVER		2385900000	LEHM46	7
WR365303	12.0	IRR219630831	1	2	0.0000		C3653_1	C365363653001		LARRY
WAYNE ADAMS						LEON RIVER		2385900000	LEHM46	7
WR365303	700.	IRR219531231	1	2	0.0000		C3653_2	C365363653001		ESTATE
OF WAYNE ADAMS; GRACE OLENA ADAMS						LEON RIVER		2379460000	LEHM46	7
WR365303	258.	IRR219650131	1	2	0.0000		C3653_3	C365363653001		GRACE
OLENA ADAMS						LEON RIVER		2379480000	LEHM46	7
IF365301	6901	3653A20020812								IFC3653_1N
IF281421	8329	3653B20020812								IFC3653_2N
WR365402	65.3	IRR219630731	1	2	0.0000		C3654_1	C365463654002		CAROLYN
HAYES TRUSTEE						LEON RIVER		2385850000	LEHM46	7
WR365402	32.7	IRR219630731	1	2	0.0000		C3654_2	C365463654002		CAROLYN
RINEHART HAYES						LEON RIVER		2385850000	LEHM46	7
WR365501	22.0	IRR219571231	1	2	0.0000		C3655_1	C365563655001		ARBIE
N BOYD ET UX & GARY K BOYD						LEON RIVER		2385750000	LEHM46	7
WR365601	36.0	IRR219660731	1	2	0.0000		C3656_1	C365663656001		MARTIN
W & JUANITA SEIDER						LEON RIVER		2385200000	LEHM46	7
WR365701	56.0	IRR219650731	1	2	0.0000		C3657_1	C365763657001		LEO
C HAGGARD ET UX						LEON RIVER		2385160000	LEHM46	7
WR365801	7.0	IRR219630331	1	2	0.0000		C3658_1	C365863658001		H
L WILLINGHAM ESTATE						LEON RIVER		2385150000	LEHM46	7
WR365931	200.	MUN219250720	1	2	0.0000		C3659_1	C365963659001		ERW
INC ET AL						MERCER CRK		2385000000	LEHM46	7
WSRC3659	1000.	0.5228	0.8206		0					
WR365931	200.	IRR219760329	1	2	0.0000		C3659_2	C365963659001		ERW
INC ET AL						MERCER CRK		2385000000	LEHM46	7
WSRC3659	1000.	0.5228	0.8206		0					
WR366031	58.0	IRR219520731	1	2	0.0000		C3660_1	C366063660001		BELVE
BEAN						MOORE CRK		2381000000	LEHM46	7

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WSRC3660	120.	0.5228	0.8206	0	0						
WR366031	11.0	IND219610731		1	2	0.0000		C3660_2	C366063660001		BELVE
BEAN							MOORE CRK		2381000000	LEHM46	7
WSRC3660	120.	0.5228	0.8206	0	0						
WR366101	187.	IRR219640630		1	2	0.0000		C3661_1	C366163661001		C
H MCCALL ET UX							MOORE CRK		2380500000	LEHM46	7
WR366231	600.	IRR219471218		1	2	0.0000		C3662_1	C366263662001		"JIMMY
E GORE, ET AL"							MERCER CRK		2380000000	LEHM46	7
WSRC3662	4800.	0.5228	0.8206	0	0						
WR366231	0.0	UNIFO19750422		1	2	0.0000		C3662_2	C366263662001		"JIMMY
E GORE, ET AL"							MERCER CRK		2380000000	LEHM46	7
WSRC3662	4800.	0.5228	0.8206	0	0						
WR366331	67.0	IRR219490430		1	2	0.0000		C3663_1	C366363663001		R
E BASHAM JR							MOUNTAIN CRK		2379680000	LEHM46	7
WSRC3663	36.0	0.5228	0.8206	0	0						
WR347601	51.0	IRR219520430		1	2	0.0000		C3476_1	C347663476001		GARTH
PETTIT							S LEON RIVER		2379650000	LEHM46	7
WR281603	36.0	IRR219681231		1	2	0.0000		C2816_1	C281662816003		E
W CANTRELL ET UX							LEON RIVER		2379580000	LEHM46	7
WR281503	69.0	IRR219681231		1	2	0.0000		C2815_1	C281562815003		NANCY
PAGE ALLEN ET VIR							LEON RIVER		2379560000	LEHM46	7
**WR281701	258.	IRR219650131		1	2	0.0000		C2817_1	C281762817001		GRACE
OLENA ADAMS							LEON RIVER		2379480000	LEHM46	7
WR281401	83.0	IRR219531231		1	2	0.0000		C2814_1	C281462814001		ESTATE
OF WAYNE ADAMS; GRACE OLENA ADAMS							LEON RIVER		2379450000	LEHM46	7
**WR281411	870.	IRR219531231		1	2	0.0000		C2814_2	C281462814101		ESTATE
OF WAYNE ADAMS; GRACE OLENA ADAMS							LEON RIVER		2379460000	LEHM46	7
WR281411	170.	IRR219531231		1	2	0.0000		C2814_2	C281462814101		ESTATE
OF WAYNE ADAMS; GRACE OLENA ADAMS							LEON RIVER		2379460000	LEHM46	7
WR281441	0.	UNIFO19531231		1	2	0.0000		C2814_3	C281462814001		ESTATE
OF WAYNE ADAMS; GRACE OLENA ADAMS							LEON RIVER		2379460000	LEHM46	7
WSRC2814	3.0	0.5228	0.8206	0	0						
WR281901	32.0	IRR219500831		1	2	0.0000		C2819_1	C281962819001		J
B GUNTER							LEON RIVER		2379170000	LEHM46	7
WR281801	18.0	IRR219500831		1	2	0.0000		C2818_1	C281862818001		P
D GUNTER							LEON RIVER		2379130000	LEHM46	7
WR282001	46.0	IRR219661231		1	2	0.0000		C2820_1	C282062820001		WILLIAM
R & CAROLINE MILLER							LEON RIVER		2379120000	LEHM46	7
WR282105	29.0	IRR219651231		1	2	0.0000		C2821_1	C282162821005		ERICH
& META SEIDER							LEON RIVER		2379110000	LEHM46	7
WR282205	106.	IRR219651231		1	2	0.0000		C2822_1	C282262822005		JUANITA
MARTHA ANDERS							LEON RIVER		2379100000	LEHM46	7
WR282301	22.0	IRR219571231		1	2	0.0000		C2823_1	C282362823001		J
E TATUM							LEON RIVER		2379020000	LEHM46	7
WR282401	90.0	IRR219631231		1	2	0.0000		C2824_1	C282462824001		MAX
DERDEN & CHARLES S THOMAS ET UX							LEON RIVER		2379000000	LEHM46	7
WR282504	80.0	IRR219670331		1	2	0.0000		C2825_1	C282562825004		MONTE
CARMICHAEL ET AL							LEON RIVER		2378860000	LEHM46	7
WR282601	46.0	IRR219660731		1	2	0.0000		C2826_1	C282662826001		BURK
DENMAN							LEON RIVER		2378600000	LEHM46	7
WR282701	6.0	IRR219571231		1	2	0.0000		C2827_1	C282762827001		J
A DENMAN							LEON RIVER		2378500000	LEHM46	7
WR282801	24.0	IRR219571231		1	2	0.0000		C2828_1	C282862828001		J
A DENMAN							LEON RIVER		2378300000	LEHM46	7
WR283001	87.0	IRR219540831		1	2	0.0000		C2830_1	C283062830001		RICKIE
STEPHENS							LEON RIVER		2378200000	LEHM46	7
WR282902	56.0	IRR219600331		1	2	0.0000		C2829_1	C282962829002		MARTIN
L GEYE ET AL							LEON RIVER		2378170000	LEHM46	7
WR283102	57.0	IRR219601231		1	2	0.0000		C2831_1	C283162831002		GARY
CROW							LEON RIVER		2378150000	LEHM46	7
WR283301	24.0	IRR219660731		1	2	0.0000		C2833_1	C283362833001		CHARLIE
BRANDT SHOCKLEY							LEON RIVER		2378110000	LEHM46	7
WR283203	47.0	IRR219661231		1	2	0.0000		C2832_1	C283262832003		ANN
WEAVER ADAIR							LEON RIVER		2378090000	LEHM46	7
WR283401	43.0	IRR219611231		1	2	0.0000		C2834_1	C283462834001		WILLIE
EYVONNE MANNING RAY							LEON RIVER		2378020000	LEHM46	7
WR283602	87.0	IRR219671231		1	2	0.0000		C2836_1	C283662836002		NELSON
SHAVE							LEON RIVER		2378000000	LEHM46	7
WR283801	37.0	IRR219611231		1	2	0.0000		C2838_1	C283862838001		ED
A ROSS ET AL							LEON RIVER		2377900000	LEHM46	7
WR283702	136.4	IRR219580531		1	2	0.0000		C2837_1	C283762837002		WADE
N CARAWAY							LEON RIVER		2377950000	LEHM46	7
** The priority of this portion of C2837 is 19580531 at diversion point "B". However, the certificate											
** states that the diversion is junior to C2838. Subordination was not modeled.											
WR283702	47.0	IRR219580531		1	2	0.0000		C2837_2	C283762837002		WADE
N CARAWAY							LEON RIVER		2377950000	LEHM46	7
WR283901	40.0	IRR219611231		1	2	0.0000		C2839_1	C283962839001		ED
A ROSS ET AL							LEON RIVER		2377800000	LEHM46	7
WR284031	0.0	UNIFO19781106		1	2	0.0000		C2840_1	C284062840001		ED
A ROSS ET AL							LEON RIVER		2377750000	LEHM46	7
WSRC2840	13.0	0.5228	0.8206	0	0						
** The priority of this right is 19540831, but in the amendment the diversion location was											
** changed and this right was made junior to several intervening rights. The right was moved											
** downstream in the file to portray the diversion location, but the subordination was not modeled.											

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WR283002	30.0	IRR219540831	1	2	0.0000				C2830_2	C283062830002			DON
GROMATZKY						LEON RIVER				2377630000	LEHM46	7	
WR283501	294.	IRR219580531	1	2	0.0000				C2835_1	C283562835001			HARTENSE
NORTH						LEON RIVER				2377500000	LEHM46	7	
WR284131	26.7	IRR219650831	1	2	0.0000				C2841_1	C284162841001			WALTER
E & JOYCE SWINDLE						RESLEY CRK				2377250000	LEHM46	7	
WSRC2841	71.0	0.5228	0.8206		0	12							
WR284131	4.3	IRR219650831	1	2	0.0000				C2842_1	C284262841001			BILLY
JACK & PATSY TYUS						RESLEY CRK				2377100000	LEHM46	7	
WSRC2841	71.0	0.5228	0.8206		0	12							
**WR539031	48.0	IRR219911126	1	2	0.0000				P5390_1	P539015300001			JOE
M RILEY ET UX						RESLEY CRK				2376000000	LEHM46	A 7	
**WSRP5390	66.0	0.5228	0.8206		0	0							
WR284331	29.0	IRR219670130	1	2	0.0000				C2843_1	C284362843001			DEBORAH
VINES						KIRKENDALL CRK				2375100000	LEHM46	7	
WSRC2843	59.0	0.5228	0.8206		0	0							
WR284331	29.0	IRR219670130	1	2	0.0000				C2844_1	C284462843001			BOBBY
JOHN FOSTER						KIRKENDALL CRK				2375000000	LEHM46	7	
WSRC2843	59.0	0.5228	0.8206		0	0							
WR284531	27.5	IRR219680610	1	2	0.0000				C2845_1	C284562845001			BOBBY
JOHN FOSTER						RESLEY CRK				2374100000	LEHM46	7	
WSRC2845	55.0	0.5228	0.8206		0	0							
WR284531	27.5	IRR219680610	1	2	0.0000				C2846_1	C284662845001			GUY
G HALL						RESLEY CRK				2374000000	LEHM46	B 7	
WSRC2845	55.0	0.5228	0.8206		0	0							
WR284632	10.5	IRR219710614	1	2	0.0000				C2846_2	C284662846002			GUY
G HALL						RESLEY CRK				2374000000	LEHM46	7	
WSRC2846	15.0	0.5228	0.8206		0	0							
WR284731	13.0	IRR219661231	1	2	0.0000				C2847_1	C284762847001			G
G HALL						RESLEY CRK				2373900000	LEHM46	7	
WSRC2847	2.6	0.5228	0.8206		0	0							
WR284831	31.5	IRR219710405	1	2	0.0000				C2848_1	C284862848001			M
D STEPHEN						SAWYER BR				2373300000	LEHM46	7	
WSRC2848	71.0	0.5228	0.8206		0	0							
WR284831	31.5	IRR219710405	1	2	0.0000				C2849_1	C284962848001			J
& J DAIRY & BYRON JONES ET AL						SAWYER BR				2373290000	LEHM46	7	
WSRC2848	71.0	0.5228	0.8206		0	0							
WR285031	29.0	IRR219661231	1	2	0.0000				C2850_1	C285062850002			J
A HULSEY						DUTCHMAN CRK				2372000000	LEHM46	7	
WSRC2850	24.0	0.5228	0.8206		0	0							
WR285001	0.0	IRR219661231	1	2	0.0000				C2850_2	C285062850001			J
A HULSEY						DUTCHMAN CRK				2372000000	LEHM46	7	
SO						BACKUP							
WR285132	72.0	IRR219451231	1	2	0.0000				C2851_1	C285162851002			J
W BARBEE						LONG BR CRK				2371000000	LEHM46	7	
WSRC2851	164.	0.5228	0.8206		0	0							
WR285132	87.0	IRR219660801	1	2	0.0000				C2851_2	C285162851002			J
W BARBEE						LONG BR CRK				2371000000	LEHM46	7	
WSRC2851	164.	0.5228	0.8206		0	0							
WR285203	149.	IRR219641231	1	2	0.0000				C2852_1	C285262852003			DEAN
H BOTTLINGER ET UX						RESLEY CRK				2366300000	LEHM46	7	
WR285302	52.0	IRR219571231	1	2	0.0000				C2853_1	C285362853002			GAYLON
D & CLARA JONES						RESLEY CRK				2366000000	LEHM46	7	
WR285401	44.0	IRR219631231	1	2	0.0000				C2854_1	C285462854001			ERNEST
L NEWSOM						LEON RIVER				2355880000	LEHM46	7	
WR285502	91.0	IRR219461231	1	2	0.0000				C2855_1	C285562855002			LARRY
WAYNE ADAMS						LEON RIVER				2355840000	LEHM46	7	
WR285602	1.0	IRR219541231	1	2	0.0000				C2856_1	C285662856002			JACK
D GRAHAM						LEON RIVER				2355800000	LEHM46	7	
WR285703	153.	IRR219551231	1	2	0.0000				C2857_1	C285762857003			J
L ROBERSON JR ET AL						LEON RIVER				2355780000	LEHM46	7	
WR285802	18.0	IRR219671231	1	2	0.0000				C2858_1	C285862858002			J
L ROBERSON JR ET AL						LEON RIVER				2355770000	LEHM46	7	
WR285903	98.0	IRR219651231	1	2	0.0000				C2859_1	C285962859003			LARRY
A DUNN ET UX						LEON RIVER				2355750000	LEHM46	7	
WR286131	1.0	IRR219671231	1	2	0.0000				C2861_1	C286162861001			ACY
L WATSON						S MESQUITE CRK				2355600000	LEHM46	7	
WSRC2861	5.0	0.5228	0.8206		0	0							
WR286003	15.0	IRR219361231	1	2	0.0000				C2860_1	C286062860003			EARL&
ORENA KAVANAUGH & MAURINE K WATTS						LEON RIVER				2355500000	LEHM46	7	
WR286203	15.0	IRR219551031	1	2	0.0000				C2862_1	C286262862003			TOM
J THOMPSON						LEON RIVER				2348700000	LEGT47	7	
ML	55.	49.	55.	53.	27.	0.	0.	26.	55.	53.	55.		
WR286311	43.0	IRR219611231	1	2	0.0000				C2863_1	C286362863101			RIVERSIDE
ACQUISITIONS LLC						LEON RIVER				2348650000	LEGT47	7	
WR286402	185.	IRR219341231	1	2	0.0000				C2864_1	C286462864002			K
A SPARKS ET AL						LEON RIVER				2348251000	LEGT47	7	
WR286505	169.	IRR219341231	1	2	0.0000				C2865_1	C286562865005			RIVERSIDE
ACQUISITIONS LLC						LEON RIVER				2348250000	LEGT47	7	
WR286601	82.0	IRR219391231	1	2	0.0000				C2866_1	C286662866001			RIVERSIDE
ACQUISITIONS LLC						LEON RIVER				2347300000	LEGT47	7	
WR286701	4.0	IRR218891231	1	2	0.0000				C2867_1	C286762867001			GERALDINE
D WARREN ET AL						LEON RIVER				2345750000	LEGT47	7	

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WR286803	50.0	IRR219081231	1	2	0.0000	C2868_1	C286862868003		ARVORD	
M ABERNETHY							2345500000	LEGT47	7	
** Do not model this right. Only allowed to impound water purchased from BRA (Lake Proctor).										
**WR382631	0.0	UNIFO19810511	1	2	0.0000	P3826_1	P382613826301		UPPER	
LEON MWD							2342100000	LEGT47	7	
**WSRP3826	45.0	0.8109	0.6681		0					
WR286901	105.	IRR219621231	1	2	0.0000	C2869_1	C286962869001		BETTY	
JEAN HARRIS TOOLEY							2342050000	LEGT47	7	
WR287031	614.	MUN219230122	1	2	0.0000	C2870_1	C287062870001		CITY	
OF HAMILTON							2340000000	LEGT47	7	
WSRC2870	614.	0.5228	0.8206		0					
WR287133	72.0	IRR219441231	1	2	0.0000	C2871_1	C287162871003		"SETH	
THOMAS MOORE, SR., ET AL"							2339501000	LEGT47	7	
WSRC2871	15.0	0.5228	0.8206		0					
WR287133	2.5	IND219441231	1	2	0.0000	C2872_1	C287262871003		SETH	
MOORE							2339500000	LEGT47	7	
WSRC2871	15.0	0.5228	0.8206		0					
WR287311	20.0	IRR219641231	1	2	0.0000	C2873_1	C287362873101		R	
F MANNING							2336000000	LEGT47	7	
WR287531	54.0	IRR219581231	1	2	0.0000	C2875_1	C287562875002		LEONARD	
T WARLICK ET UX							2335200000	LEGT47	7	
WSRC2875	75.0	0.5228	0.8206		0					
WR287531	85.0	IRR219541231	1	2	0.0000	C2874_1	C287462875001		HARRIET	
MEAD HAVENS							2335100000	LEGT47	7	
WSRC2875	75.0	0.5228	0.8206		0					
WR287604	15.0	IRR219631231	1	2	0.0000	C2876_1	C287662876004		CHARLES	
CRAIG JR							2334800000	LEGT47	7	
WR287801	37.0	IRR219571231	1	2	0.0000	C2878_1	C287862878001		O	
C & WILLIE NADINE MARSHALL							2334600000	LEGT47	7	
WR287802	0.0	IRR219571231	1	2	0.0000	C2878_2	C287862878002		O	
C & WILLIE NADINE MARSHALL							2334600000	LEGT47	7	
SO										
WR287931	46.0	IRR219601231	1	2	0.0000	C2879_1	C287962879004		PAUL	
F MCCLINTON							2334300000	LEGT47	7	
WSRC2879	12.0	0.5228	0.8206		0					
WR287901	93.0	IRR219601231	1	2	0.0000	C2879_2	C287962879001		PAUL	
F MCCLINTON							2334300000	LEGT47	7	
WR287711	150.	IRR219541231	1	2	0.0000	C2877_1	C287762877101		THOMAS	
E MURDOCK ESTATE							2333000000	LEGT47	7	
WR288001	19.0	IRR219451231	1	2	0.0000	C2880_1	C288062880001		BILLY	
R FISHER ET UX							2332500000	LEGT47	7	
**IF288001	12308.	UNIFO19900817				1			IFC2880_1	
A										
**WR288001	116.	IRR219900817	1	2	0.0000	C2880_2	C288062880001		BILLY	
R FISHER ET UX							2332500000	LEGT47	A 7	
WR288101	124.	IRR219631231	1	2	0.0000	C2881_1	C288162881001		MOODY	
E COURTNEY							2332200000	LEGT47	7	
WR288301	5.0	IRR219601231	1	2	0.0000	C2883_1	C288362883001		DAVID	
C COURTNEY							2331000000	LEGT47	7	
WR288201	196.	IRR219501231	1	2	0.0000	C2882_1	C288262882001		JOHN	
C COURTNEY ET UX							2330900000	LEGT47	7	
WR288411	200.	IRR219541231	1	2	0.0000	C2884_1	C288462884101		JOHN	
C COURTNEY ET UX							2330750000	LEGT47	7	
WR288501	71.0	IRR219661231	1	2	0.0000	C2885_1	C288562885001		MOODY	
E COURTNEY							2330500000	LEGT47	7	
WR288701	30.0	IRR219640731	1	2	0.0000	C2887_1	C288762887001		JOE	
TRUETT LIGHTSEY ET AL							2318500000	LEGT47	7	
WR288801	2.0	IRR219291231	1	2	0.0000	C2888_1	C288862888001		GEORGE	
T REYNOLDS III ET UX							2318000000	LEGT47	7	
WR288601	10.0	IRR219661231	1	2	0.0000	C2886_1	C288662886001		W	
J ALEXANDER							2317000000	LEGT47	7	
WR289001	8.0	IRR219631231	1	2	0.0000	C2890_1	C289062890001		DON	
THOMAS ROGERS							2315400000	LEGT47	7	
WR289101	57.0	IRR219640831	1	2	0.0000	C2891_1	C289162891001		W	
F MORELAND BY PASS TRUST							2311300000	LEGT47	7	
WR289201	32.0	IRR219571231	1	2	0.0000	C2892_1	C289262892001		W	
N & MARY JANE WHISENHUNT							2310500000	LEGT47	7	
WR289301	10.0	IRR219180801	1	2	0.0000	C2893_1	C289362893001		SEABORN	
L ASHBY							2310000000	LEGT47	7	
WR289401	2.0	IRR219651231	1	2	0.0000	C2894_1	C289462894001		SAN	
PABLO CORPORATION							2309700000	LEGT47	7	
WR289501	29.0	IRR219591231	1	2	0.0000	C2895_1	C289562895001		WILLIAM	
TRAVIS LAXSON							2305000000	LEGT47	7	
WR289503	0.0	IRR219591231	1	2	0.0000	C2895_2	C289562895003		WILLIAM	
TRAVIS LAXSON							2305000000	LEGT47	7	
SO										
WR289601	124.	IRR219651231	1	2	0.0000	C2896_1	C289662896001		MARGARET	
CALLAWAY							2302000000	LEGT47	7	
WR289701	8.0	IRR219671231	1	2	0.0000	C2897_1	C289762897001		R	
H MELTON							2300800000	LEGT47	7	
WR289801	23.0	IRR219251231	1	2	0.0000	C2898_1	C289862898001		DONALD	
J MACKIE ET UX & GLENNIS G EGGER							2275000000	LEGT47	7	
** Certificate can only divert water that is discharged from groundwater sources. No wastewater										
** plant discharges greater than .9 MGD are located in the vicinity upstream of the diversion										

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** locations of this right. Model this 70 acft diversion with a zero acft diversion.

WR289901	0.0	IRR219710125	1	2	0.0000	C2899_1	C289962899001		TEXAS
DEPT OF CRIMINAL JUSTICE							2257650000	LEGT47	7
WR290001	14.0	IRR219641231	1	2	0.0000	C2900_1	C290062900001		CHARLES
C POWELL							2257600000	LEGT47	7
WR290101	100.	IRR219651231	1	2	0.0000	C2901_1	C290162901001		JACK
& MINNIE MORSE							2256000000	LEGT47	7
WR290201	18.0	IRR219571231	1	2	0.0000	C2902_1	C290262902001		QUENTIN
G MCCORKLE ET UX							2230500000	LEBE49	7
WR290311	530.	IRR219131108	1	2	0.0000	C2903_1	C290362903101		GLENROOK
FARMS							2230000000	LEBE49	7
WR290401	40.0	IRR219391231	1	2	0.0000	C2904_1	C290462904001		STERLIN
J BARNARD							2222200000	LEBE49	7
WR290501	14.0	IRR219671231	1	2	0.0000	C2905_1	C290562905001		DAN
G DAVIDSON ESTATE							2219000000	LEBE49	7
WR290601	36.0	IRR219250806	1	2	0.0000	C2906_1	C290662906001		THELMA
R CARTER							2200000000	LEBE49	7
WR290801	22.0	IRR219671231	1	2	0.0000	C2908_1	C290862908001		DAN
G DAVIDSON							2198500000	LEBE49	7
WR290701	237.	IRR219581231	1	2	0.0000	C2907_1	C290762907001		LEO
LUEDTKE ET UX							2195800000	LEBE49	7
WR290701	150.	IRR219581231	1	2	0.0000	C2907_2	C290762907001		DENNIS
CHARLES LUEDTKE ET AL							2195800000	LEBE49	7
WR290902	26.0	IRR219650722	1	2	0.0000	C2909_1	C290962909002		RUDOLF
DROSCHKE							2195700000	LEBE49	7
WR291001	77.0	IRR219631231	1	2	0.0000	C2910_1	C291062910001		CARL
DROSCHKE							2195500000	LEBE49	7
WR291101	74.0	IRR219630430	1	2	0.0000	C2911_1	C291162911001		GLENN
DIPPEL ET AL & JOHN SHAUD ET UX							2195000000	LEBE49	7
WR281301	153.	IRR219650722	1	2	0.0000	C2813_1	C281362813001		RUDOLPH
CARL DROSCHKE JR							2194000000	LEBE49	7
WR291401	18.0	IRR219281231	1	2	0.0000	C2914_1	C291462914001		PAT
& MABEL RUTH GRIMES							2191300000	LEBE49	7
WR291511	38.0	IRR219590331	1	2	0.0000	C2915_1	C291562915101		ROBERT
L MOORE							2186000000	LEBE49	7
WR291611	53.0	IRR219590531	1	2	0.0000	C2916_1	C291662916101		LEE
ROY SCHWARTZ							2179900000	COPI48	7
WR291731	25.0	IRR219630331	1	2	0.0000	C2917_1	C291762917001		WILFORD
& RUTH WITZSCHE							2179880000	COPI48	7
WSRC2917	8.0	0.5228	0.8206	0	0				
WR291831	20.0	IRR219490430	1	2	0.0000	C2918_1	C291862918101		PAMELA
ANN MARWITZ POPE ET AL							2179870000	COPI48	7
WSRC2918	2.0	0.5228	0.8206	0	0				
WR291931	27.0	IRR219580430	1	2	0.0000	C2919_1	C291962919002		FRITZ
HOPPER							2179850000	COPI48	7
WSRC2919	7.5	0.5228	0.8206	0	0				
WR292031	12.0	IRR219650531	1	2	0.0000	C2920_1	C292062920002		DOUG
HOPPER							2179800000	COPI48	7
WSRC2920	6.0	0.5228	0.8206	0	0				
WR292103	28.0	IRR219670331	1	2	0.0000	C2921_1	C292162921003		W
J & ANITA FAYE HOPPER							2179750000	COPI48	7
WR292202	9.0	IRR219660630	1	2	0.0000	C2922_1	C292262922002		LEE
R HOPPER							2179700000	COPI48	7
WR292301	12.5	IRR219131231	1	2	0.0000	C2923_1	C292362923001		HENRY
MARWITZ ET AL							2179600000	COPI48	7
WR292301	32.5	IRR219131231	1	2	0.0000	C2923_2	C292362923001		BILLY
H ROBERTS ET UX							2179600000	COPI48	7
WR292431	59.0	IRR219660531	1	2	0.0000	C2924_1	C292462924002		JERRY
W & BONNIE JEAN HOPPER							2179500000	COPI48	7
WSRC2924	3.0	0.5228	0.8206	0	0				
WR292611	13.0	IRR219380531	1	2	0.0000	C2926_1	C292662926101		WILLIAM
JACKSON WISDOM							2179430000	COPI48	7
WR292711	9.0	IRR219500630	1	2	0.0000	C2927_1	C292762927101		ELVIN
L GENTRY ET UX							2179270000	COPI48	7
WR292903	13.0	IRR219500731	1	2	0.0000	C2928_1	C292862928001		GARY
L LUNDBERG ET UX							2179150000	COPI48	7
WR292903	4.0	IRR219700331	1	2	0.0000	C2929_1	C292962929003		REGINALD
& NONA FA WIEDEBUSCH							2179100000	COPI48	7
WR293002	31.0	IRR219620930	1	2	0.0000	C2930_1	C293062930002		CYRUS
B CATHEY ESTATE							2178920000	COPI48	7
WR293103	52.0	IRR219651231	1	2	0.0000	C2931_1	C293162931003		RONNAL
S BEASLEY ET UX							2178900000	COPI48	7
WR293201	6.0	IRR219620531	1	2	0.0000	C2932_1	C293262932001		JAMES
BILLINGSLEY							2178470000	COPI48	7
WR293311	46.0	IRR219540831	1	2	0.0000	C2933_1	C293362933101		MARSHALL
JOE HANNA							2177000000	COPI48	7
WR293401	66.0	IRR219651130	1	2	0.0000	C2934_1	C293462934001		ROBERT
M SCOTT ET AL							2176820000	COPI48	7
WR293531	38.0	IRR219630430	2	2	0.0000	C2935_1	C293562935003		JEAN
ARMOR WHALEY							2176500000	LEBE49	7
WSRC2935	190.	0.4897	0.7633	0	0				
WR293501	0.0	IRR219630430	1	2	0.0000	C2935_2	C293562935001		JEAN
ARMOR WHALEY							2176500000	LEBE49	7
SO		38.						BACKUP	

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**
** Lake Belton
**
** This right includes no priority date for impoundment of water in Lake Belton. Model as
** run-of-river backed up by Lake Belton storage.
**
** FNI change - divide into two pools. Helps keep water right whole.
WR516031 10000. MUN219530824 1 2 0.0000 C2936_1 C293662936001 U
S DEPT OF THE ARMY LEON RIVER 2140000000 LEBE49 7
WSBELTON 10000. 0 3
PX 3
WR516031 2000. MUN219540823 1 2 0.0000 C2936_2 C293662936001 U
S DEPT OF THE ARMY LEON RIVER 2140000000 LEBE49 7
WSBELTON 12000. 0 3
PX 3
** Lake Belton : BRA portion.
WR516031 7056. MUN219631216 1 4 RBLSH1 102191 C5160_1 C516065160001 BRAZOS
RIVER AUTHORITY LEON RIVER 2120000000 LEBE49 7
WSBRABEL 402151. 0 3 -1
**WSBELTON 414151. 0
PX 1
WR516031 1245. MUN219631216 1 2 0.0000 C5160_2 C516065160001 BRAZOS
RIVER AUTHORITY LEON RIVER 2120000000 LEBE49 7
WSBRABEL 402151. 0 3 -1
PX 1
WR516031 3432. MUN219631216 1 4 RBLSH1 101761 C5160_3 C516065160001 BRAZOS
RIVER AUTHORITY LEON RIVER 2120000000 LEBE49 7
WSBRABEL 402151. 0 3 -1
PX 1
WR516031 2016. MUN219631216 1 4 RBLSH1 101741 C5160_4 C516065160001 BRAZOS
RIVER AUTHORITY LEON RIVER 2120000000 LEBE49 7
WSBRABEL 402151. 0 3 -1
PX 1
WR516031 27735. MUN219631216 1 4 RBLSH1 103513 C5160_5 C516065160001 BRAZOS
RIVER AUTHORITY LEON RIVER 2120000000 LEBE49 7
WSBRABEL 402151. 0 3 -1
PX 1
WR516031 7745. MUN219631216 1 4 RBLSH1 103512 C5160_6 C516065160001 BRAZOS
RIVER AUTHORITY LEON RIVER 2120000000 LEBE49 7
WSBRABEL 402151. 0 3 -1
PX 1
WR516031 540. MUN219631216 1 2 0.0000 C5160_7 C516065160001 BRAZOS
RIVER AUTHORITY LEON RIVER 2120000000 LEBE49 7
WSBRABEL 402151. 0 3 -1
PX 1
WR516031 1758. MUN219631216 1 4 RBLSH1 100451 C5160_8 C516065160001 BRAZOS
RIVER AUTHORITY LEON RIVER 2120000000 LEBE49 7
WSBRABEL 402151. 0 3 -1
PX 1
WR516031 4549. MUN219631216 1 4 RBLSH1 100455 C5160_9 C516065160001 BRAZOS
RIVER AUTHORITY LEON RIVER 2120000000 LEBE49 7
WSBRABEL 402151. 0 3 -1
PX 1
WR516031 1758. MUN219631216 1 4 RBLSH1 100451 C5160_10 C516065160001 BRAZOS
RIVER AUTHORITY LEON RIVER 2120000000 LEBE49 7
WSBRABEL 402151. 0 3 -1
PX 1
WR516031 5424. MUN219631216 1 4 RBLSH1 101551 C5160_11 C516065160001 BRAZOS
RIVER AUTHORITY LEON RIVER 2120000000 LEBE49 7
WSBRABEL 402151. 0 3 -1
PX 1
WR516031 17484. MUN219631216 1 4 RBLSH1 113181 C5160_12 C516065160001 BRAZOS
RIVER AUTHORITY LEON RIVER 2120000000 LEBE49 7
WSBRABEL 402151. 0 3 -1
PX 1
WR516031 10469. MUN219631216 1 4 RBLSH1 104702 C5160_13 C516065160001 BRAZOS
RIVER AUTHORITY LEON RIVER 2120000000 LEBE49 7
WSBRABEL 402151. 0 3 -1
PX 1
WR516031 5411. MUN219631216 1 2 0.0000 C5160_14 C516065160001 BRAZOS
RIVER AUTHORITY LEON RIVER 2120000000 LEBE49 7
WSBRABEL 402151. 0 3 -1
PX 1
WR516031 200. MUN219631216 1 2 0.0000 C5160_15 C516065160001 BRAZOS
RIVER AUTHORITY LEON RIVER 2120000000 LEBE49 7
WSBRABEL 402151. 0 3 -1
PX 1
WR516031 2365. IND219631216 1 2 0.0000 C5160_16 C516065160001 BRAZOS
RIVER AUTHORITY LEON RIVER 2120000000 LEBE49 7
WSBRABEL 402151. 0 3 -1
PX 1
WR516031 1070. IRR219631216 1 2 0.0000 C5160_17 C516065160001 BRAZOS
RIVER AUTHORITY LEON RIVER 2120000000 LEBE49 7
WSBRABEL 402151. 0 3 -1

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PX      1
WR516031  0.0  MIN219631216  1  2  0.0000  C5160_18  C516065160001  BRAZOS
RIVER AUTHORITY  LEON RIVER  2120000000  LEBE49  7
WSBRABEL 402151.  0  3  -1
PX      1
WR516031  0.0  UNIFO19631216  1  2  0.0000  C5160_19  C516065160001  BRAZOS
RIVER AUTHORITY  LEON RIVER  2120000000  LEBE49  7
WSBRABEL 402151.  0  3  -1
PX      1
**
WR516031  99999999  1  2  0.0000  bel_evap_1  C293662936001
WSBELTON 12000.  0  3
PX      1
WR516031  99999999  1  2  0.0000  bel_evap_1  C293662936001
WSBELTON 12000.  0  3
PX      2
WR516031  99999999  1  2  0.0000  bel_evap_2  C516065160001
WSBRABEL 402151.  0  3  -1
PX      1
WR516031  99999999  1  2  0.0000  bel_evap_2  C516065160001
WSBRABEL 402151.  0  3  -1
PX      2
** SysOp Change:
** Calculate the total depletion for water right 5160.
WRSR5160 19631216  Compute Dep 5160  SYSTEM
TO 6 1.0 ADD C5160_1 CONT
TO 6 1.0 ADD C5160_2 CONT
TO 6 1.0 ADD C5160_3 CONT
TO 6 1.0 ADD C5160_4 CONT
TO 6 1.0 ADD C5160_5 CONT
TO 6 1.0 ADD C5160_6 CONT
TO 6 1.0 ADD C5160_7 CONT
TO 6 1.0 ADD C5160_8 CONT
TO 6 1.0 ADD C5160_9 CONT
TO 6 1.0 ADD C5160_10 CONT
TO 6 1.0 ADD C5160_11 CONT
TO 6 1.0 ADD C5160_12 CONT
TO 6 1.0 ADD C5160_13 CONT
TO 6 1.0 ADD C5160_14 CONT
TO 6 1.0 ADD C5160_15 CONT
TO 6 1.0 ADD C5160_16 CONT
TO 6 1.0 ADD C5160_17 CONT
TO 6 1.0 ADD C5160_18 CONT
TO 6 1.0 ADD C5160_19 CONT
PX 4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
WRSR5160 99999999 19631216  Depletion 5160  SYSTEM
PX 5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
WR516031 19631216 1.0000 5160DP  Lumped Dep 5160  SYSTEM 1simdep
TO 11 1.0 ADD  Depletion 5160
PX 2
** Special code to output storage from first simulation
WRBE_dum 99999999 1simBEstor look
TO 4 SET BELTON
PX 4
WRBE_dum 99999999 XMONTH99999999 2simBEstor look
PX 5
WRBE_dum 99999999 1simBRABEstor look
TO 4 SET BRABEL
PX 4
WRBE_dum 99999999 XMONTH99999999 2simBRABEstor look
PX 5
** - End modeling Lake Belton.
**
** end FNI change
WR293701 59.0 IRR219630731 1 2 0.0000  C2937_1  C293762937001  VERNON
& BETTY ANN BARGE  LEON RIVER  2117700000  LEBE49  7
** HALE CLAUSE
IFLEBE49 1810. UNIFO19830207 1 1 IFP4024_1
WRP40242 300. IRR219830207 1 2 0.0000  P4024_1  P402414024002  LVGC
INC LEON RIVER  2114000000  LEBE49  7
WSRP4024 15.0 0.5228 0.8206 0 0
**
** City of Temple
**
** Added industrial use
** FNI change - combined into one to simplify

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**
**WR293831  9957.  MUN219151030  1  4  RBLSH1  113181  C2938_1  C293862938001  CITY
OF TEMPLE  LEON RIVER  2110000000  LRLR53  7
WR293831  15804.  MUN219151030  1  2  0.0000  C2938_1  C293862938001  CITY
OF TEMPLE  LEON RIVER  2110000000  LRLR53  7
**WR293831  12500.  MUN219151030  1  2  0.0000  C2938_1  C293862938001  CITY
OF TEMPLE  LEON RIVER  2110000000  LRLR53  7
WSRC2938  500.  0.5228  0.8206  0  0
**WR293831  5847.  MUN219151030  1  4  RBLSH1  104702  C2938_2  C293862938001  CITY
OF TEMPLE  LEON RIVER  2110000000  LRLR53  7
**WSRC2938  500.  0.5228  0.8206  0  0
**WR293831  0.  IND219151030  1  2  0.0000  C2938_3  C293862938001  CITY
OF TEMPLE  LEON RIVER  2110000000  LRLR53  7
**WSRC2938  500.  0.5228  0.8206  0  0
** 20,000 acft is contractual amount with BRA. Do not model.
**WR293831  20000.  MUN219570111  3  2  0.0000  C2938_4  C293862938001  CITY
OF TEMPLE  LEON RIVER  2110000000  LRLR53  7
**WSBELTON  15000.  0
**OR  -1
** FNI change - City of Temple additional water. BRA backup is below
** enter the demand for the year and it will subtract out diversions from previous rights
** note type 3 right, so no depletions
** comment out firm yield scenario
**WR293831  30453.  MUN219151030  3  2  0.0000  C2938_belton  C293862938001
**TO  11  1.0  SUB  C2938_1
** end FNI change
**
** Must return flow upstream of Dam owned by City of Temple. Water returned is available
** for diversion, so place return flow upstream or at diversion location.
** BRA purchased this right from Brazos Electric in 2005. To estimate increased yield in Lake Belton zero this right so water
will not be passed from Belton downstream.
** FNI change - comment out right
**WR293901  38800.  IND219490207  1  1  1.0000  293951  C2939_1  C293962939001  BRAZOS
ELECTRIC COOPERATIVE  LEON RIVER  2080000000  LRLR53  7
**
WR294001  63.0  IRR219650630  1  2  0.0000  C2940_1  C294062940001  "EVELYN
FRANCES BYLER, ET AL"  LEON RIVER  2070500000  LRLR53  7
WR294101  36.0  IRR219661231  1  2  0.0000  C2941_1  C294162941001  SHALLOW
FORD CONSTRUCTION CO  LEON RIVER  2070200000  LRLR53  7
WR533032  187.  IRR219901119  1  2  0.0000  P5330_1  P533015330003  CITY
OF TEMPLE  BIRD CRK  2065060000  LRLR53  7
WSRP5330  211.  0.5228  0.8206  0  0
WR533032  0.0  UNIFO19901119  1  2  0.0000  P5330_2  P533015330003  CITY
OF TEMPLE  BIRD CRK  2065060000  LRLR53  7
WSRP5330  211.  0.5228  0.8206  0  0
** Authorized to impound and divert an unspecified quantity of treated effluent from Bell County WCID 1,
** in addition to 20 acft of state water. Do not include any supply from Bell County WCID 1 in the modeling of this right.
WR294331  20.0  IRR219780731  1  2  0.0000  C2943_1  C294362943001  CITY
OF KILLEEN & Killeen Willows, Inc. Unnamed trib of South Nolan Creek  2049100000  LRLR53  7
WSRC2943  36.0  0.5228  0.8206  0  0
WR294333  0.0  UNIFO19901127  1  2  0.0000  C2943_2  C294362943001  CITY
OF KILLEEN  Unnamed trib of South Nolan Creek  2049100000  LRLR53  7
WSC29432  3.5  0.5228  0.8206  0  0
**IF294302  3766.  IFD07219901127  1  IFC2943_1
A
**WR294333  200.  IRR219901127  1  2  0.0000  C2943_3  C294362943001  CITY
OF KILLEEN  South Nolan Creek  2049100000  LRLR53  A  7
**WSC29431  6.5  0.5228  0.8206  0  0
**WR294333  0.  IRR219901127  1  2  0.0000  C2943_4  C294362943001  CITY
OF KILLEEN  South Nolan Creek  2049100000  LRLR53  A  7
**WSC29431  6.5  0.5228  0.8206  0  0
**SO  294302  BACKUP
** Subject to the availability of sewage effluent in South Nolan Creek.
**IF508801  3664.  IFD07319860819  1  IFP5088_1
A
**WR508801  37.0  IRR219860819  1  2  0.0000  P5088_1  P508815088001  TC
& E REALTY INC  S NOLAN CRK  2049010000  LRLR53  A  7
**SO  101551
** Subject to the availability of sewage effluent in South Nolan Creek.
**IF508911  3664.  IFD07319860819  1  IFP5089_1
A
**WR508911  60.0  IRR219860819  1  2  0.0000  P5089_1  P508915089101  TC
& E REALTY INC  S NOLAN CRK  2048990000  LRLR53  A  7
**SO  101551
** Subject to the availability of sewage effluent in South Nolan Creek.
IF421812  3386.  IFD07419841127  1  IFP4218_1
WR421812  172.  IRR219841127  1  2  0.0000  P4218_1  P421814218102  THE
SILVER QUAIL COMPANY  S NOLAN CRK  2048980000  LRLR53  B  7
SO  101551
WR294431  138.  MIN219750428  1  1  1.0000  C2944_1  C294462944001  FRANKLIN
LIMESTONE COMPANY  SHAW BR  2048970000  LRLR53  B  7
WSRC2944  28.0  0.4897  0.7633  0  0
WR294501  36.0  IRR219660630  1  2  0.0000  C2945_1  C294562945001  GLENN
BAIRD  S NOLAN CRK  2048950000  LRLR53  7

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** 56 af are now diverted @ 299602 (u/s) and include a streamflow restriction for use
**WR299601 156. IRR319660401 1 2 0.0000 C2996_1 C299662996001 DUDLEY
BLACK LAMPASAS RIVER 1641700000 LAYO51 8
WR559411 100. IRR319660401 1 2 0.0000 C2996_1 C299662996001 DUDLEY
BLACK LAMPASAS RIVER 1641700000 LAYO51 8
**
IFLAKE50 16020 TAYLIF19660401 1 IF2996_1
WR299602 56 TAYLOR19660401 1 C2996_2 C299662996002
IFLAKE50 0 TAYLIF19660401 1 IF2996_2
IFLAKE50 16020 TAYLIF20030923 1 IF2996_3
**
**IFLAKE50 13381. IFD08219970701 1 IFP5594_1
A
**WR559411 130. IRR319970701 1 2 0.0000 P5594_1 P559415594101 BRADLEY
B WARE LAMPASAS RIVER 1641680000 LAYO51 A 8
WR299711 64.0 IRR319630930 1 2 0.0000 C2997_1 C299762997101 WINTHROP
ALDRICH ET UX LAMPASAS RIVER 1641620000 LAYO51 8
WR299901 3.0 IRR319470531 1 2 0.0000 C2999_1 C299962999001 LAVALLA
R BLUM LAMPASAS RIVER 1641530000 LAYO51 8
WR299802 157. IRR319251231 1 2 0.0000 C2998_1 C299862998002 GRA'DELLE
DUNCAN LAMPASAS RIVER 1641525000 LAYO51 8
WR300001 105. IRR319570430 1 2 0.0000 C3000_1 C300063000001 JAMES
L SHEPHERD LAMPASAS RIVER 1641000000 LAYO51 8
WR300101 12.0 IRR319671231 1 2 0.0000 C3001_1 C300163001001 EDD
MELTON LAMPASAS RIVER 1640010000 LAYO51 8
WR300201 150. IRR319611231 1 2 0.0000 C3002_1 C300263002001 GENE
& NELDA FAY RAY LAMPASAS RIVER 1640000000 LAYO51 8
WR300301 32.0 IRR319670630 1 2 0.0000 C3003_1 C300363003001 BENNIE
M GIBBS LAMPASAS RIVER 1639000000 LABE52 8
**
** Stillhouse Hollow
**
** Right is authorized for municipal, industrial, mining, and irrigation, but since the uses were not
** broken out, all diversions are modeled as municipal.
**
** FNI change - add System Operation
WR516131 6973. MUN319631216 1 4 RBLSH1 102051 C5161_1 C516165161001 BRAZOS
RIVER AUTHORITY LAMPASAS RIVER 1630000000 LABE52 8
WSSTLHSE 223336. 0
PX 1
WR516131 2092. MUN319631216 1 2 0.0000 C5161_2 C516165161001 BRAZOS
RIVER AUTHORITY LAMPASAS RIVER 1630000000 LABE52 8
WSSTLHSE 223336. 0
PX 1
WR516131 4880. MUN319631216 1 2 0.0000 C5161_3 C516165161001 BRAZOS
RIVER AUTHORITY LAMPASAS RIVER 1630000000 LABE52 8
WSSTLHSE 223336. 0
PX 1
WR516131 53823. MUN319631216 1 2 0.0000 C5161_4 C516165161001 BRAZOS
RIVER AUTHORITY LAMPASAS RIVER 1630000000 LABE52 8
WSSTLHSE 223336. 0
PX 1
WR516131 0. IND319631216 1 2 0.0000 C5161_5 C516165161001 BRAZOS
RIVER AUTHORITY LAMPASAS RIVER 1630000000 LABE52 8
WSSTLHSE 223336. 0
PX 1
WR516131 0. MIN319631216 1 2 0.0000 C5161_6 C516165161001 BRAZOS
RIVER AUTHORITY LAMPASAS RIVER 1630000000 LABE52 8
WSSTLHSE 223336. 0
PX 1
WR516131 0. IRR319631216 1 2 0.0000 C5161_7 C516165161001 BRAZOS
RIVER AUTHORITY LAMPASAS RIVER 1630000000 LABE52 8
WSSTLHSE 223336. 0
PX 1
** SysOp Change:
** Calculate the total depletion for water right 5161.
WRSR5161 19631216 Compute Dep 5161 SYSTEM
TO 6 1.0 ADD C5161_1 CONT
TO 6 1.0 ADD C5161_2 CONT
TO 6 1.0 ADD C5161_3 CONT
TO 6 1.0 ADD C5161_4 CONT
TO 6 1.0 ADD C5161_5 CONT
TO 6 1.0 ADD C5161_6 CONT
TO 6 1.0 ADD C5161_7
PX 4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
WRSR5161 9999999 19631216 Depletion 5161 SYSTEM
PX 5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion

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** of the amount of the base run (first pass)											
WR516131		19631216	1.0000	5161DP	Lumped Dep 5161	SYSTEM	lsimdep				
TO	11	1.0	ADD		Depletion 5161						
PX	2										
** Special code to output storage from first simulation											
WRSH_dum		19631216			lsimSHstor	look					
TO	4	SET		STLHSE							
PX	4										
WRSH_dum	9999999	XMONTH19631216			2simSHstor	look					
PX	5										
** - End modeling Lake Stillhouse Hollow											
** end FNI change											
** FNI change - Hale clause - 1 in cc 34											
IFLABE52	4344.	IFD08319840508	1	1	IFP4130_1						
WR4130P1	0.0	UNIFO19840508	1	2	0.0000	P4130_1	P413014130001			UNITED	
STATES ARMY CORP ENG OLD CHANNEL LAMPASAS RIVER											
WSRP4130	5.0	0.5228	0.8206	0	0		1629700000	CFHA14	8		
WR4130P1	0	UNIFO19840508				P4130_2	P413014130002				
WSRP4130	5	0.5228	0.8206								
SO		5	516131	BACKUP							
WR300401	50.0	IRR319670802	1	2	0.0000	C3004_1	C300463004001			ESTATE	
OF DR JAMIE W BARTON LAMPASAS RIVER											
WR300501	5.0	IRR319650630	1	2	0.0000	C3005_1	C300563005001			VAIL	
E & BETTY LOGSDON LAMPASAS RIVER											
WR300611	48.0	IRR319670430	1	2	0.0000	C3006_1	C300663006101			KARL	
B WAGNER ESTATE LAMPASAS RIVER											
WR300801	61.0	IRR319500630	1	2	0.0000	C3008_1	C300863008001			ELEANOR	
B TUTTLE LAMPASAS RIVER											
WR300705	48.0	IRR319471231	1	2	0.0000	C3007_1	C300763007005			RIVER	
FARM LTD LAMPASAS RIVER											
** FNI change - Hale clause - 1 in cc 34											
IFLABE52	4344.	IFD08319820920	1	1	IFC3007_1						
WR300705	192.	IRR319820920	1	2	0.0000	C3007_2	C300763007005			RIVER	
FARM LTD LAMPASAS RIVER											
WR300901	81.0	IRR319621231	1	2	0.0000	C3009_1	C300963009001			JOSEPH	
LEWIS ET UX LAMPASAS RIVER											
** HALE CLAUSE											
IFLABE52	4344.	IFD08319860718	1	1	IFP5076_1						
WR507601	25.0	IRR319860718	1	2	0.0000	P5076_1	P507615076001			HAYNES	
CORPORATION LAMPASAS RIVER											
WR301001	10.0	IRR319550630	1	2	0.0000	C3010_1	C301063010001			CLIFFORD	
D JONES LAMPASAS RIVER											
** HALE CLAUSE											
IFLABE52	4344.	IFD08319820920	1	1	IFP4000_1						
WRP40001	40.0	IRR319820920	1	2	0.0000	P4000_1	P400014000001			THOMAS	
E LOVELACE ET AL LAMPASAS RIVER											
** HALE CLAUSE											
IFLABE52	4344.	IFD08319820920	1	1	IFP4003_1						
WRP40031	29.7	IRR319820920	1	2	0.0000	P4003_1	P400314003001			MIKE	
& ITHA LYNNE BERRY LAMPASAS RIVER											
** HALE CLAUSE											
IFLABE52	4344.	IFD08319820920	1	1	IFP4002_1						
WRP40021	32.9	IRR319820920	1	2	0.0000	P4002_1	P400214002001			JOSEPH	
B MORROW ET UX LAMPASAS RIVER											
WR400201	7.1	IRR319820920	1	2	0.0000	P4002_2	P400214002001			TIPTON	
MALONE MURRELL LAMPASAS RIVER											
WR301101	16.6	IRR319621231	1	2	0.0000	C3011_1	C301163011001			W	
J RAY ET UX LAMPASAS RIVER											
WR301101	47.0	IRR319621231	1	2	0.0000	C3011_2	C301163011001			LAWANA	
ELLIS ET VIR LAMPASAS RIVER											
WR301101	0.5	IRR319621231	1	2	0.0000	C3011_3	C301163011001			MIKEL	
DUPES ET AL LAMPASAS RIVER											
WR301231	0.0	UNIFO19760802	1	2	0.0000	C3012_1	C301263012001			STAGECOACH	
INN PROPERTIES INC SALADO CRK											
WSRC3012	9.0	0.5228	0.8206	0	0		1623948000	LRLR53	8		
WR301331	168.	IRR319650415	1	2	0.0000	C3013_1	C301363013001			MILL	
CREEK GOLF & COUNTRY CLUB SALADO CRK											
WSRC3013	10.0	0.5228	0.8206	0	0		1623930000	LRLR53	8		
**IF301301	13033.	IFD08419990514			1					IFC3013_1	
A											
**WR301301	168.	IRR319990514	1	2	0.0000	C3013_2	C301363013001			MILL	
CREEK GOLF & COUNTRY CLUB SALADO CRK											
WR301431	63.0	IRR318831231	1	2	0.0000	C3014_1	C301463014001			EDWIN	
A BAILEY ESTATE SALADO CRK											
WSRC3014	6.0	0.5228	0.8206	0	0		1623900000	LRLR53	8		
WR301501	36.0	IRR319631231	1	2	0.0000	C3015_1	C301563015001			PAUL	
T BOSTON SALADO CRK											
IFP37631	4530.	IFD08A19800527			1	IFP3763_1					
WR376331	361.	IRR319800527	1	2	0.0000	P3763_1	P376313763001			PAUL	
J MEYER ET AL SALADO CRK											
WSRP3763	20.0	0.5228	0.8206	0	0		1623110000	LRLR53	8		
** Changed priority date of 240 acct diversion to January 17, 1984											
WR409511	240.	IRR319840117	1	2	0.0000	P4095_1	P409514095101			SIDNEY	
KACIR LITTLE RIVER											
							1619710000	LRCA58	8		

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** HALE CLAUSE
 IFLRLR53 125887. IFD08519990816 1 1 IFP4095_1
 WR409511 308. IRR319990816 1 2 0.0000 P4095_2 P409514095101 SIDNEY
 KACIR LITTLE RIVER 1619710000 LRCA58 8

** HALE CLAUSE
 IFLRLR53 12377. IFD08B19800527 1 1 IFP3762_1
 WR3726201 100. IRR319800527 1 2 0.0000 P3762_1 P376213762001 ELLIS
 G & JEAN M MARSHALL LITTLE RIVER 1619600000 LRCA58 8
 WR372501 0.0 UNIFO19770124 1 2 0.0000 C3725_1 C372563725001 OLIN
 E TEAGUE VETERANS CENTER KNOB CRK 1618450000 LRCA58 8
 WSR3725 96.0 0.5228 0.8206 0 0
 WR372631 5.0 IRR319600731 1 2 0.0000 C3726_1 C372663726001 MOLLIE
 H BROOKS ET AL N DARRS CRK 1617000000 LRCA58 8
 WSR3726 12.0 0.5228 0.8206 0 0
 WR372631 5.0 IRR319691106 1 2 0.0000 C3726_2 C372663726001 MOLLIE
 H BROOKS ET AL N DARRS CRK 1617000000 LRCA58 8
 WSR3726 12.0 0.5228 0.8206 0 0

** HALE CLAUSE
 IFLRCA58 25103. IFD08619840228 1 1 IFP4109_1
 WR410911 400. IRR319840228 1 2 0.0000 P4109_1 P410914109101 BETTY
 KACIR WHEELER LITTLE RIVER 1615560000 LRCA58 8

** HALE CLAUSE
 **IFLRLR53 22444. IFD08719820920 1 IFP4015_1
 **WR401503 700. IRR319820920 1 2 0.0000 P4015_1 P401514015003 CALVIN
 KRAEMER ET AL LITTLE RIVER 1614810000 LRCA58 8

** HALE CLAUSE
 ** OWNERSHIP CHANGES FROM ONE TO TWO
 IFLRLR53 22444. IFD08719820920 1 1 IFP4015_1
 WR401503 350. IRR319820920 1 2 0.0000 P4015_1 P401514015003 CALVIN
 KRAEMER ET AL LITTLE RIVER 1614810000 LRCA58 8
 WR401505 350. IRR319820920 1 2 0.0000 P4015_2 P401514015004 CHAMBERLIN
 FAMILY TRUST LITTLE RIVER 1614810000 LRCA58 8

** HALE CLAUSE
 ** Expired
 **IF550001 200037. IFD08819940808 1 IFP5500_1
 A

**WR550001 659. IRR319940808 1 2 0.0000 P5500_1 P550015500001 CALVIN
 KRAEMER LITTLE RIVER 1614790000 LRCA58 A 8
 WR372831 0.0 UNIFO19780605 1 2 0.0000 C3728_1 C372863728301 "PATRICK
 J ATKINSON & LARRY J HOWELL MILL CRK 1610496000 LRCA58 8
 WSR3728 246. 0.5228 0.8206 0 0
 WR372731 72.0 IRR319771011 1 2 0.0000 C3727_1 C372763727001 "B
 R LAUTERBORN, HERMAN NEUSCH" SERVER BR 1610495000 LRCA58 8
 WSR3727 173. 0.5228 0.8206 0 0
 WR372741 0. IND319771011 1 2 0.0000 C3727_2 C372763727001 "DOYR
 CORNELISON ET UX, ROBERT OGDEN ET UX"SERVER BR 1610495000 LRCA58 8
 WSC37271 28. 0.2710 0.8958 0 0
 SO 28. 372731
 WR372931 100. IND319760927 1 2 0.0000 C3729_1 C372963729001 JOE
 GLASER INDIAN HOLLOW 1609530000 LRCA58 8
 WSR3729 247. 0.4897 0.7633 0 0

** HALE CLAUSE
 IFLRCA58 25101. IFD08619850709 1 1 IFP4279_1
 WR427902 600. IRR319850709 1 2 0.0000 P4279_1 P427914279002 HILLIARD
 RANCHES INC LTL RIVER 1609500000 LRCA58 8
 WR427931 150. IRR319850709 1 2 0.0000 P4279_2 P427914279003 WARRENS
 TURF NURSERY INC LTL RIVER 1609500000 LRCA58 8
 WSRP4279 38.0 0.5228 0.8206 0 0

** HALE CLAUSE
 **IFLRLR53 39819. UNIFO19910812 1 IFP4279_2
 A

**WR427901 300. IRR319910812 1 2 0.0000 P4279_3 P427914279001 HILLIARD
 RANCHES INC LTL RIVER 1609500000 LRCA58 A 8
 WR373031 21.0 IRR319670301 1 2 0.0000 C3730_1 C373063730001 JOE
 P (JR) & HENRIETTA CALLAN BIG CRK 1606000000 NGGE54 8
 WSR3730 0.2 0.5228 0.8206 0 0
 WR373101 29.0 IRR319621231 1 2 0.0000 C3731_1 C373163731001 REUBEN
 FLOYD CLARK W FRK SAN GABRIEL RIVER 1605950000 NGGE54 8
 WR373231 0.0 UNIFO19760517 1 2 0.0000 C3732_1 C373263732301 SAN
 GABRIEL RIVER RANCH INC LACKEY CRK 1605900000 NGGE54 8
 WSR3732 26.0 0.5228 0.8206 0 0

** Right is authorized for municipal, industrial, mining, and irrigation, but since the uses were not
 ** broken out, all diversions are modeled as municipal.
 ** FNI change - add System Operation
 **

WR516231 4764. MUN319680212 1 4 R51621 104893 C5162_1 C516265162001 BRAZOS
 RIVER AUTHORITY N FRK SAN GABRIEL RIVER 1601000000 NGGE54 8
 WSGRGTWN 36934. 0
 PX 1

WR516231 2041. MUN319680212 1 4 R51621 104892 C5162_2 C516265162001 BRAZOS
 RIVER AUTHORITY N FRK SAN GABRIEL RIVER 1601000000 NGGE54 8
 WSGRGTWN 36934. 0
 PX 1

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WR516231 3198.	MUN319680212	1 4 R51621 102641	C5162_3	C516265162001			BRAZOS
RIVER AUTHORITY		N FRK SAN GABRIEL RIVER		1601000000 NGGE54	8		
WSGRGTWN 36934.		0					
PX 1							
WR516231 3607.	MUN319680212	1 4 R51621 102642	C5162_4	C516265162001			BRAZOS
RIVER AUTHORITY		N FRK SAN GABRIEL RIVER		1601000000 NGGE54	8		
WSGRGTWN 36934.		0					
PX 1							
WR516231 0.	IND319680212	1 2 0.0000	C5162_5	C516265162001			BRAZOS
RIVER AUTHORITY		N FRK SAN GABRIEL RIVER		1601000000 NGGE54	8		
WSGRGTWN 36934.		0					
PX 1							
WR516231 0.	MIN319680212	1 2 0.0000	C5162_6	C516265162001			BRAZOS
RIVER AUTHORITY		N FRK SAN GABRIEL RIVER		1601000000 NGGE54	8		
WSGRGTWN 36934.		0					
PX 1							
WR516231 0.	IRR319680212	1 2 0.0000	C5162_7	C516265162001			BRAZOS
RIVER AUTHORITY		N FRK SAN GABRIEL RIVER		1601000000 NGGE54	8		
WSGRGTWN 36934.		0					
PX 1							
** SysOp Change:							
** Calculate the total depletion for water right 5162.							
WRSR5162	19680212		Compute Dep 5162	SYSTEM			
TO 6 1.0	ADD		C5162_1	CONT			
TO 6 1.0	ADD		C5162_2	CONT			
TO 6 1.0	ADD		C5162_3	CONT			
TO 6 1.0	ADD		C5162_4	CONT			
TO 6 1.0	ADD		C5162_5	CONT			
TO 6 1.0	ADD		C5162_6	CONT			
TO 6 1.0	ADD		C5162_7				
PX 4							
**							
** SysOp Change:							
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited							
** to the regulated flow. In the first pass, the regulated flow is the depletion from the reservoir. In the second pass,							
** the depletion is limited to the first pass (base run)							
WRSR5162 9999999	19680212		Depletion 5162	SYSTEM			
PX 5							
**							
** SysOp Change:							
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion							
** of the amount of the base run (first pass)							
WR516231	19680212	1.0000 5162DP	Lumped Dep 5162	SYSTEM	1simdep		
TO 11 1.0	ADD		Depletion 5162				
PX 2							
** Special code to output storage from first simulation							
WRGT_dum	19680212		1simGTstor	look			
TO 4	SET	GRGTWN					
PX 4							
WRGT_dum 9999999	XMONTH19680212		2simGTstor	look			
PX 5							
** - End modeling Lake Georgetown.							
** end FNI change							
**							
** Combined two reservoirs into one.							
WR373331 0.0	UNIFO19700917	1 2 0.0000	C3733_1	C373363733301			GEORGETOWN
BUILDERS INC		N FRK SAN GABRIEL RIVER		1599000000 GAGE56	8		
WSRC3733 40.0	0.5228 0.8206	0 0					
WR373331 0.0	UNIFO197611231	1 2 0.0000	C3733_2	C373363733301			GEORGETOWN
BUILDERS INC		N FRK SAN GABRIEL RIVER		1599000000 GAGE56	8		
WSRC3733 44.0	0.5228 0.8206	0 0					
**IF373403	553.	IFD08C19820503	1				IFP3913_1
A							
**WR391331 70.0	MIN319820503	1 2 1.0000	P3913_1	P391313913001			CAPITOL
AGGREGATES LTD		M FRK SAN GABRIEL RIVER		1598500000 GAGE56	A 8		
**WSRP3913 70.0	0.5228 0.8206	0 0					
**WR391331 48.0	MIN319981015	1 2 1.0000	P3913_2	P391313913001			CAPITOL
AGGREGATES LTD		M FRK SAN GABRIEL RIVER		1598500000 GAGE56	A 8		
**WSRP3913 70.0	0.5228 0.8206	0 0					
WR373431 45.0	IRR319411231	1 2 0.0000	C3734_1	C373463734001			GEORGETOWN
COUNTRY CLUB		M FRK SAN GABRIEL RIVER		1598000000 GAGE56	8		
WSRC3734 10.0	0.5228 0.8206	0 0					
WR373501 26.0	IRR319630630	1 2 0.0000	C3735_1	C373563735001			HENRY
GRADY RYLANDER		S FRK SAN GABRIEL RIVER		1580000000 SGGE55	8		
WR373601 1.0	IRR319610630	1 2 0.0000	C3736_1	C373663736001			HENRY
GRADY RYLANDER		S FRK SAN GABRIEL RIVER		1575000000 SGGE55	8		
**WR373701 300.	IND319700504	1 2 1.0000	C3737_1	C373763737001			ALAMO
CONCRETE PRODUCTS LTD		S FRK SAN GABRIEL RIVER		1557000000 SGGE55	A 8		
WR373831 0.0	UNIFO19761206	1 2 0.0000	C3738_1	C373863738301			CITY
OF GEORGETOWN		SAN GABRIEL RIVER		1555000000 GAGE56	8		
WSRC3738 11.0	0.5228 0.8206	0 0					
WR373901 240.	MIN319640301	1 1 0.9000	C3739_1	C373963739001			GENE
H BINGHAM ET AL		SAN GABRIEL RIVER		1545100000 GALA57	8		

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WR374001	20.0	IRR319630501	1	2	0.0000	C3740_1	C374063740001			WENDELL
F. GIBSON		SAN GABRIEL RIVER					1544250000 GALA57	8		
** WSA - Special condition requires an upstream contract with BRA to impound and divert.										
** Because priority is junior to Lake Georgetown, this right will have no effect on Lake Georgetown.										
WR553341	0.0	UNIFO19950711	1	2	0.0000	P5533_1	P553315533001			DEL WEBB
TEXAS L P		BERRY CRK					1478500000 GALA57	8		
WSP55331	2.5	0.2710	0.8958		0					
WR553331	26.1	IRR319950711	1	2	0.0000	P5533_2	P553315533001			DEL
WEBB TEXAS L P		BERRY CRK					1478500000 GALA57	8		
WSRP5533	42.9	0.5228	0.8206		0					
SO		2.5								
WR374301	32.0	IRR319540331	1	2	0.0000	C3743_1	C374363743001			JL
ENTERPRISES LLP		BERRY CRK					1478402000 GALA57	8		
WR374201	16.9	IRR319640501	1	2	0.0000	C3742_1	C374263742001			MAXINE
HARRIS		BERRY CRK					1478401000 GALA57	8		
WR374201	7.2	IRR319640501	1	2	0.0000	C3742_2	C374263742001			R
SCOTT POPE ET UX		BERRY CRK					1478401000 GALA57	8		
WR374101	10.9	IRR319640501	1	2	0.0000	C3741_1	C374163741001			LINDA
ANN SMITH		SAN GABRIEL RIVER					1478400000 GALA57	8		
WR374101	17.1	IRR319640501	1	2	0.0000	C3741_2	C374163741001			TED
KALLUS ET UX		SAN GABRIEL RIVER					1478400000 GALA57	8		
WR374401	110.	IRR319520930	1	2	0.0000	C3744_1	C374463744001			T.
D. VAUGHAN		SAN GABRIEL RIVER					1478200000 GALA57	8		
WR374501	33.0	IRR319631231	1	2	0.0000	C3745_1	C374563745001			BEN
W KURIO (BWK PARTNERSHIP)		SAN GABRIEL RIVER					1478000000 GALA57	8		
WR374601	12.0	IRR319571231	1	2	0.0000	C3746_1	C374663746001			CHARLENE
M SEFCIK		SAN GABRIEL RIVER					1477000000 GALA57	8		
WR374701	284.	IRR319660731	1	2	0.0000	C3747_1	C374763747001			JIMMY
F. BYERS		SAN GABRIEL RIVER					1473500000 GALA57	8		
** Expired										
**IF409131	25339.	IFD08919840103		1		IFP4091_1				
**WR409131	448.	IRR319840103	1	2	0.0000	P4091_1	P409114091001			DAVID
L KELLEY ET UX		SAN GABRIEL RIVER					1473000000 PAGR31	8		
**WSRP4091	11.0	0.5228	0.8206		0					
** Note: Only 20 acft of water may be consumptively used for industrial purposes.										
WR374801	203.	IND319451231	1	1	0.9015	374801	C3748_1	C374863748001		A
C STEARNS ESTATE		SAN GABRIEL RIVER					1460100000 GALA57	8		
** Right is authorized for municipal, industrial, mining, and irrigation, but since the uses were not										
** broken out, all diversions are modeled as municipal.										
** FNI change - System Operation										
WR516331	6566.	MUN319680212	1	4	R51631	C5163_1	C516365163001			BRAZOS
RIVER AUTHORITY		SAN GABRIEL RIVER					1440000000 GALA57	8		
WSGRNGER	43158.				0					
PX	1									
WR516331	6721.	MUN319680212	1	4	R51631	102991	C5163_2	C516365163001		BRAZOS
RIVER AUTHORITY		SAN GABRIEL RIVER					1440000000 GALA57	8		
WSGRNGER	43158.				0					
PX	1									
WR516331	5659.	IND319680212	1	2	0.0000	C5163_3	C516365163001			BRAZOS
RIVER AUTHORITY		SAN GABRIEL RIVER					1440000000 GALA57	8		
WSGRNGER	43158.				0					
PX	1									
WR516331	0.	IND319680212	1	2	0.0000	C5163_4	C516365163001			BRAZOS
RIVER AUTHORITY		SAN GABRIEL RIVER					1440000000 GALA57	8		
WSGRNGER	43158.				0					
PX	1									
WR516331	20.	MIN319680212	1	2	0.0000	C5163_5	C516365163001			BRAZOS
RIVER AUTHORITY		SAN GABRIEL RIVER					1440000000 GALA57	8		
WSGRNGER	43158.				0					
PX	1									
WR516331	874.	IRR319680212	1	2	0.0000	C5163_6	C516365163001			BRAZOS
RIVER AUTHORITY		SAN GABRIEL RIVER					1440000000 GALA57	8		
WSGRNGER	43158.				0					
PX	1									
** SysOp Change:										
** Calculate the total depletion for water right 5163.										
WRSR5163		19680212				Compute Dep	5163	SYSTEM		
TO	6	1.0	ADD			C5163_1	CONT			
TO	6	1.0	ADD			C5163_2	CONT			
TO	6	1.0	ADD			C5163_3	CONT			
TO	6	1.0	ADD			C5163_4	CONT			
TO	6	1.0	ADD			C5163_5	CONT			
TO	6	1.0	ADD			C5163_6				
PX	4									
**										
** SysOp Change:										
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited										
** to depletions in the first run.										
WRSR5163	9999999	19680212				Depletion	5163	SYSTEM		
PX	5									
**										
** SysOp Change:										
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion										

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** of the amount of the base run (first pass)
WR516331      19680212      1.0000  5163DP      Lumped Dep 5163  SYSTEM lsimdep
TO  11      1.0      ADD      Depletion 5163
PX  2
** Special code to output storage from first simulation
WRGR_dum      19680212      lsimGRstor      look
TO  4      SET      GRNGER
PX  4
WRGR_dum      9999999  XMONTH19680212      2simGRstor      look
PX  5
** - End modeling Lake Granger.
** end FNI change
**
WR375001      125.      IRR319430630      1  2  0.0000      C3750_1  C375063750001      T.R.
COFFIELD      SAN GABRIEL RIVER      1357000000  LRCA58      8
WR397131      0.0      UNIFO19830131      1  2  0.0000      P3971_1  P397113971301      TONKAWA
SPRINGS HOME OWNERS      DRY FRK BRUSHY CRK      1339000000  LRCA58      8
WSRP3971      7.5      0.5228  0.8206      0  0
WR511831      0.0      UNIFO19870112      1  2  0.0000      P5118_1  P511815118301      KILLEEN
SAVINGS & LOAN ASSN      DRY FRK BRUSHY CRK      1338900000  LRCA58      8
WSRP5118      2.8      0.5228  0.8206      0  0
WR417131      0.0      UNIFO19840814      1  2  0.0000      P4171_1  P417114171301      35/45
INVESTORS LP      LAKE CRK      1338500000  LRCA58      8
WSRP4171      19.0      0.5228  0.8206      0  0
WR375101      30.0      IRR319220818      1  2  0.0000      C3751_1  C375163751001      BERTHA
S. JOHNSON      BRUSHY CRK      1338000000  LRCA58      8
**NNP Teravista, app. 5667B, 11/13/03, io
WR566732      0.0      UNIFO19991213      1  2  0.0000      P5667_1  P566715667302
WSR56672      24.23      0.4897  0.7633      0  0
WR566731      0.0      UNIFO19991213      1  2  0.0000      P5667_2  P566715667301
WSR56671      5.0      0.4897  0.7633      0  0
WR566734      0.0      UNIFO19991213      1  2  0.0000      P5667_3  P566715667304
WSR56674      61.41      0.4897  0.7633      0  0
WR518831      0.0      UNIFO19880720      1  2  0.0000      P5188_1  P518815188301      CITY
OF TAYLOR      BULL CRK      1278350000  LRCA58      8
WSRP5188      11.6      0.5228  0.8206      0  0
WR375231      0.0      UNIFO19760517      1  2  0.0000      C3752_1  C375263752301      CITY
OF TAYLOR      BULL BRANCH      1278300000  LRCA58      8
WSRC3752      26.0      0.5228  0.8206      0  0
** WR/WS/SO/IF Records added/changed for P4166, SAMUEL W & MARGARET JONES.
IF416611      3403.      UNIFO19840731      1      IFP4166_1
WR416611      120.      IRR319840731      1  2  0.0000      P4166_1  P416614166101      SAMUEL
W & MARGARET JONES      BRUSHY CRK      1279800000  LRCA58      8
**
WR375331      1.0      IRR319630701      1  2  0.0000      C3753_1  C375363753001      THE
ESTATE OF JOHN V STILES      BRUSHY CRK      1260100000  LRCA58      8
WSRC3753      121.      0.5228  0.8206      0  0
WR375431      60.0      MUN319610620      1  2  0.0000      C3754_1  C375463754001      CITY
OF THORNDALE      ROCKY CRK      1259000000  LRCA58      8
WSRC3754      134.      0.5228  0.8206      0  0
WR375601      3.0      IRR319530701      1  2  0.0000      C3756_1  C375663756001      LESTER
W. STILES      SPRING BR      1239600000  LRCA58      8
WR375531      29.0      IRR319630430      1  2  0.0000      C3755_1  C375563755004      W.A.
& JACK WINTERROWD      SPRING BR      1239250000  LRCA58      8
WSRC3755      153.      0.5228  0.8206      0  0
WR375533      21.0      IRR319630430      1  2  0.0000      C3755_2  C375563755006      W.A.
& JACK WINTERROWD      SPRING BR      1239250000  LRCA58      8
WSC37551      110.      0.5228  0.8206      0  0
WR375731      100.      MUN319660915      1  2  0.0000      C3757_1  C375763757001      CITY
OF THORNDALE      SPRING BR      1239000000  LRCA58      8
WSRC3757      469.      0.5228  0.8206      0  0
** This portion of the right will expire when water becomes available from Lake Granger. Granger
** has been constructed and filled. Assume water is available from Lake Granger and do not model
** this portion of the right.
**WR375701      150.      MUN319820920      1  2  0.0000      C3757_2  C375763757001      CITY
OF THORNDALE      SPRING BR      1239000000  LRCA58      B  8
**WSRC3757      469.      0.5228  0.8206      0  0
WR374901      110.      IRR319670430      1  2  0.0000      C3749_1  C374963749001      W
T PEARSON JR      SAN GABRIEL RIVER      1236000000  LRCA58      8
** HALE CLAUSE
IFLRCA58      25103.      IFD08619770829      1  1      IFC3759_1
WR375931      300.      IRR319770829      1  2  0.0000      C3759_1  C375963759002      DONNY
LINDNER ET UX      SANDY CRK      1233750000  LRCA58      8
WSRC3759      45.0      0.5228  0.8206      0  0
WR375931      0.0      IRR319770829      1  2  0.0000      C3759_2  C375963759002      DONNY
LINDNER ET UX      SANDY CRK      1233750000  LRCA58      8
WSRC3759      45.0      0.5228  0.8206      0  0
SO      264.      375901      BACKUP
WR375941      0.0      IRR319770829      1  2  0.0000      C3759_3  C375963759002      DONNY
LINDNER ET UX      SANDY CRK      1233750000  LRCA58      8
WSC37591      5.0      0.2710  0.8958      0  0
** HALE CLAUSE
IFLRCA58      25103.      IFD08619850103      1  1      IFP4212_1

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WRP42121	300.	IRR319850103	1	2	0.0000		P4212_1	P421214212001		CARL
MOODY ET AL						LITTLE RIVER		1233640000	BSBR20	8
** HALE CLAUSE										
IFLRCA58	14480.	UNIFO19800527	1	1			IFP3761_1			
WR376102	400.	IRR319800527	1	2	0.0000		P3761_1	P376113761002		ROBERT
W NORRIS						LITTLE RIVER		1233150000	LRCAS8	8
WR376231	0.0	IND319730212	1	2	0.0000		C3762_1	C376263762301		B
& B MINNOW FARM						MUSTANG CRK		1232100000	LRCAS8	8
WSRC3762	195.	0.5228	0.8206	0	0					
WR376001	41.5	IRR319250717	1	2	0.0000		C3760_1	C376063760001		CLIFFORD
L GUSTAFSON ET UX						LITTLE RIVER		1232000000	LRCAS8	8
WR376131	2792.	MUN319140320	1	4	R37611	100041	C3761_1	C376163761001		CITY
OF CAMERON						LITTLE RIVER		1230000000	LRCAS8	8
WSRC3761	10.0	0.5228	0.8206	0	0					
WR376301	40.0	IRR319520731	1	2	0.0000		C3763_1	C376363763001		ESTATE
OF HUBERT L MCCLAREN						LITTLE RIVER		1226550000	BRBR59	8
WR376401	45.0	IRR319520701	1	2	0.0000		C3764_1	C376463764001		HAROLD
B & OPAL B FISHER						LITTLE RIVER		1226520000	BRBR59	8
WR376501	148.	IRR319560728	1	2	0.0000		C3765_1	C376563765001		LARRY
WAYNE MCCLAREN ET AL						LITTLE RIVER		1226500000	BRBR59	8
WR522631	0.0	UNIFO19890328	1	2	0.0000		P5226_1	P522615226301		CITY
OF TEMPLE						UNNAMED TRIB		1224410000	BRBR59	8
WSRP5226	3.0	0.5228	0.8206	0	0					
WR522731	0.0	D&L319890330	1	2	0.0000		P5227_1	P522715227301		FIVE
WELLS RANCH COMPANY						S ELM CRK		1223420000	BRBR59	8
WSRP5227	295.	0.5228	0.8206	0	0					
WR376733	120.	IRR319710719	1	2	0.0000		C3767_1	C376763767003		FIVE
WELLS RANCH COMPANY						S ELM CRK		1223400000	BRBR59	8
WSRC3767	307.	0.5228	0.8206	0	0					
WR376741	0.	IRR319710719	1	2	0.0000		C3767_2	C376763767003		FIVE
WELLS RANCH COMPANY						S ELM CRK		1223400000	BRBR59	8
WSOC3767	51.	0.2710	0.8958	0	0					
WR376801	12.7	IRR319650531	1	2	0.0000		C3768_1	C376863768001		MICHAEL
LLOYD ET UX						BIG ELM CRK		1221350000	BRBR59	8
** Secondary use (Irrigation) of wastewater from dairy barn flushing for irriagtion purposes is not modeled because										
** quantity of returns from operation is not specified.										
WR376831	112.	IND319770228	1	2	0.0000		C3768_2	C376863768001		MICHAEL
LLOYD ET UX						BIG ELM CRK		1221350000	BRBR59	8
WSRC3768	240.	0.5228	0.8206	0	0					
**WR376841	112.	IRR319770228	1	2	0.0000		C3768_3	C376863768001		MICHAEL
LLOYD ET UX						BIG ELM CRK		1221350000	BRBR59	8
**WSOC3768	69.	0.2710	0.8958	0	0					
WR376641	90.0	IRR319521231	1	2	0.0000		C3766_1	C376663766001		LINDA
ETHRIDGE GROTHE						LITTLE RIVER		1220630000	BRBR59	8
WSRC3766	2.0	0.2710	0.8958	0	0					
SO	198.	90.	376605							
WR376901	150.	IRR319560831	1	2	0.0000		C3769_1	C376963769001		LARRY
WAYNE MCCLAREN						LITTLE RIVER		1220600000	BRBR59	8
** HALE CLAUSE										
IFLRCA58	25103.	IFD08619860721	1	1			IFP5077_1			
WR507711	600.	IRR319860721	1	2	0.0000		P5077_1	P507715077101		DAVID
B & AUDREY HATCHER						LITTLE RIVER		1220500000	BRBR59	8
WR377001	149.	IRR319590630	1	2	0.0000		C3770_1	C377063770001		JANE
SMOOT						LITTLE RIVER		1220070000	BRBR59	8
WR377101	15.0	IRR319620731	1	2	0.0000		C3771_1	C377163771001		"ELLIOTT
W. ATKINSON, ET AL"						LITTLE RIVER		1220030000	BRBR59	8
WR377401	30.0	IRR319590630	1	2	0.0000		C3774_1	C377463774001		JANE
SMOOT						LITTLE RIVER		1220020000	BRBR59	8
WR377302	1300.	IRR319560831	1	2	0.0000		C3773_1	C377363773002		ARLEDGE
& SHANAHAN LP						LITTLE RIVER		1219500000	BRBR59	8
WR377332	0.	IRR319560831	1	2	0.0000		C3773_2	C377363773004		ARLEDGE
& SHANAHAN LP						LITTLE RIVER		1219500000	BRBR59	8
WSRC3773	11.6	0.5228	0.8206	0	0					
SO						BACKUP				

WR377203	8.0	IRR319660731	1	2	0.0000		C3772_1	C377263772003		V.T.
WHITE						LITTLE RIVER		1219250000	BRBR59	8
** WR/WS/SO/IF Records added/changed for C3775, LLOYD E LEIFESTE ET UX.										
** Additional 500 acft irrigation diversion added to first owners portion, as well as an										
** IF requirement that is a HALE CLAUSE.										
IFLRCA58	232926.	IFD08D20000929	1	1			IFC3775_1			
WR377511	500.00	IRR320000929	1	2	0.0000		C3775_4	C377563775101		LLOYD
E LEIFESTE ET UX						LITTLE RIVER		1219000000	BRBR59	8
**										
WR377501	577.66	IRR319600410	1	2	0.0000		C3775_1	C377563775001		LLOYD
E LEIFESTE ET UX						LITTLE RIVER		1219000000	BRBR59	8
WR377501	622.59	IRR319600410	1	2	0.0000		C3775_2	C377563775001		VERONICA
ROESSLER ET AL						LITTLE RIVER		1219000000	BRBR59	8
WR377501	66.75	IRR319600410	1	2	0.0000		C3775_3	C377563775001		Robertson
(Fee)						LITTLE RIVER		1219000000	BRBR59	8
WR436931	4.0	IRR319651231	1	2	0.0000		C4369_1	C436964369001		GENE
W BONORDEN						THREE MILE		1210700000	BRBR59	8
WSRC4369	4.0	0.5228	0.8206	0	0					
** Diversions contingent upon effluent discharges from the City of Temple.										

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**IF554801	1448.	UNIFO19960315	1									IFP5548_1
A												
**WR554801	50.0	IRR319960315	1	2	0.0000			P5548_1	P554815548001			EDWARD
COUFAL		DAILY BRANCH							1153800000	BRBR59	A	8
**SO		104702										
**ML	0.	0.	0.	0.	68.	66.	68.	68.	0.	0.	0.	0.
** 6400 acft/yr (municipal) IBT from Colorado River Basin to the Brazos. No control point provided by TNRCC.												
** Dummy control point (D56771) utilized to which required diversions are added using CI records.												
WRD56771	6400.	MUN320000202	1	2	0.0000	126441		P5677_1	P56779999			LOWER
COLORADO RIVER AUTHORITY		COLORADO RIVER							0760000000	BRHE68		8
WR433901	100.	IRR319630523	1	2	0.0000			C4339_1	C433964339001			B.T.
GEORGE, C. WALKER, & J&B ENGLISH		BRAZOS RIVER							2990000000	BRWA41		9
** Added industrial use												
WR434031	5600.	MUN319140629	2	4	R50941	110711		C4340_1	C434064340001			CITY
OF WACO		BRAZOS RIVER							2935000000	BRWA41	B	9
WSRC4340	3537.	0.8109	0.6681			0	0					
WR434031	0.0	UNIFO19680108	1	2	0.0000			C4340_3	C434064340001			CITY
OF WACO		BRAZOS RIVER							2935000000	BRWA41	B	9
WSRC4340	3537.	0.8109	0.6681			0	0					
** Hydroelectric portion cancelled												
**WR434031	11257530.	HYD399999999	1	1	1.0000	434031		C4340_4	C434064340001			YOUNG
BROTHER INC CONTRACTORS		BRAZOS RIVER							2935000000	BRWA41		9
**WSRC4340	3537.	0.8109	0.6681			0	0					
** HALE CLAUSE												
IFBRWA41	190763.	IFD09119860814	1	1				IFP5085_1				
WR508541	6021.	MUN319860814	1	4	R50941	110711		P5085_1	P508515085001			CITY
OF ROBINSON		BRAZOS RIVER							2922300000	BRHB42		9
WSRP5085	8037.	0.2710	0.8958			0	0					
SO	6112.	13100.	508501									
WR434331	0.0	UNIFO19730212	1	2	0.0000			C4343_1	C434364343301			OAK
LAKE CLUB		Tiger Branch							2860500000	BRHB42		9
WSRC4343	27.0	0.5228	0.8206			0	0					
WR500031	500.	MUN319850903	1	2	0.0000			P5000_1	P500015000001			CITY
OF MART		TRADINGHOUSE CRK							2832200000	BRHB42		9
WSRP5000	1640.	0.5228	0.8206			0	0					
WR434201	12000.	IND319260821	1	1	0.0000			C4342_1	C434264342001			TEXAS
UTILITIES ELECTRIC CO		BRAZOS RIVER							2832000000	BRHB42		9
WR434231	15000.	IND319660916	1	2	0.0000			C4342_2	C434264342002			TEXAS
UTILITIES ELECTRIC CO		Trandinghouse Creek							2832000000	BRHB42	B	9
WSTRCRK	35427.					0						
WR434401	400.	IRR319180316	1	2	0.0000			C4344_1	C434464344001			LOLA
ROBINSON		TEHUACANA CRK							2830000000	BRHB42		9
WR434402	660.	IRR319290126	1	2	0.0000			C4344_2	C434464344002			LOLA
ROBINSON		Brazos River and TEHUACANA CRK							2830000000	BRHB42		9
** HALE CLAUSE												
IFBRWA41	130751.	IFD09219820830	1	1				IFP3936_1				
WR393601	2600.	IRR319820830	1	2	0.0000			P3936_1	P393613936001			HOLY
LAND & CATTLE		BRAZOS RIVER							2812000000	BRHB42		9
** Certificate states that water can be diverted from Brazos into the reservoir at the earlier												
** priority date. Assume that additional 500 acft is allowed to be impounded from the Brazos River diversion.												
** Impoundment of watershed flows for the additional 500 acft is limited to the 1952 priority date.												
WR434531	10000.	IND319510306	1	2	0.0000			C4345_1	C434564345002			TEXAS
UTILITIES ELECTRIC CO		BRAZOS RIVER							2800000000	BRHB42		9
WSLAKECR	7196.					0						
WR434531	0.	IND319510306	1	2	0.0000			C4345_2	C434564345002			TEXAS
UTILITIES ELECTRIC CO		BRAZOS RIVER							2800000000	BRHB42		9
WSLAKECR	7196.					0						
SO	27075.	8996.	434501			BACKUP						
WR434531	0.	IND319520305	1	2	0.0000			C4345_3	C434564345002			TEXAS
UTILITIES ELECTRIC CO		BRAZOS RIVER							2800000000	BRHB42		9
WSLAKECR	7196.					0						
**IFBRHB42	235583.	IFD09319831219										IFP4089_1
A												
**WR408902	200.	IRR319831219	1	2	0.0000			P4089_1	P408914089002			T
W WHALEY JR		BRAZOS RIVER							2725710000	PAGR31	A	9
** HALE CLAUSE												
IFBRHB42	196129.	IFD09819830207	1	1				IFP4042_1				
WR404202	700.	IRR319830207	1	2	0.0000			P4042_1	P404214042002			T
W WHALEY JR		BRAZOS RIVER							2723010000	BRHB42		9
WR434601	200.	IRR319250828	1	2	0.0000			C4346_1	C434664346001			W
J DUBE		BRAZOS RIVER							2716000000	BRHB42		9
** HALE CLAUSE												
**IFBRHB42	255345.	IFD09419961230										IFP5563_1
A												
**WR556311	525.	IRR319961230	1	2	0.0000			P5563_1	P556315563101			W
T & BERMA HELBERT ESTATE		BRAZOS RIVER							2715010000	BRHB42	A	9
** HALE CLAUSE												
**IFBRHB42	266457.	IFD09519970617										IFP5592_1
A												
**WR559201	550.	IRR319970617	1	2	0.0000			P5592_1	P559215592001			RITCHIE
D BEOUGHER		BRAZOS RIVER							2714610000	BRHB42	A	9
** HALE CLAUSE												
IFBRHB42	185856.	IFD09619820922	1	1				IFP4014_1				

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WR401411	1851.	IRR319820922	1	2	0.0000		P4014_1	P401414014101				MARY
D WALSH						BRAZOS RIVER		2714210000	BRHB42	9		
** HALE CLAUSE												
IFBRHB42	185856.	IFD09619821129	1	1			IFP4013_1					
WR401312	1200.	IRR319821129	1	2	0.0000		P4013_1	P401314013102				ROBERT
L MACHA ET AL						BRAZOS RIVER		2713310000	BRHB42	9		
WR435031	20.0	IRR319660524	1	2	0.0000		C4350_1	C435064350001				JOHN
P ESTES ESTATE TRUST ETAL						N COW CRK		2711001000	BRHB42	9		
WSRC4350	44.0	0.5228	0.8206		0							
WR435131	160.	IRR319550502	1	2	0.0000		C4351_1	C435164351001				MONT
HAMM						N COW CRK		2710000000	BRHB42	9		
WSRC4351	80.0	0.5228	0.8206		0							
WR434731	12.0	IRR319701102	1	2	0.0000		C4347_1	C434764347001				VANCE
DUNNAM JR						TRIB OF S COW BAYOU		2698000000	BRHB42	D 9		
WSRC4347	200.	0.5228	0.8206		0							
WR434831	70.0	IRR319650106	1	2	0.0000		C4348_1	C434864348001				"JOE
RAY HATTER, SR"						TRIB OF S COW BAYOU		2694000000	BRHB42	9		
WSRC4348	110.	0.5228	0.8206		0							
WR434931	199.	IRR319780123	1	2	0.0000		C4349_1	C434964349001				RDS
LAND CO LLC						UNNAMED TRIB		2693000000	BRHB42	9		
WSRC4349	72.	0.5228	0.8206		0							
WR434932	0.	IRR319780123	1	2	0.0000		C4349_2	C434964349002				RDS
LAND CO LLC						UNNAMED TRIB		2693000000	BRHB42	9		
WSC43491	93.	0.5228	0.8206		0							
SO						BACKUP						
WR434933	0.	IRR319780123	1	2	0.0000		C4349_3	C434964349003				RDS
LAND CO LLC						UNNAMED TRIB		2693000000	BRHB42	9		
WSC43492	39.	0.5228	0.8206		0							
SO						BACKUP						
WR435231	0.0	UNIFO19650125	1	2	0.0000		C4352_1	C435264352001				GOELZER
CATTLE COMPANY						LONG BR CRK		2654000000	BRHB42	9		
WSRC4352	569.	0.5228	0.8206		0							
WR435331	40.0	IRR319650621	1	2	0.0000		C4353_1	C435364353001				DENNIS
L BIRKES ETAL						LAVALLA		2653900000	BRHB42	9		
WSRC4353	200.	0.4897	0.7633		0							
WR435331	50.0	IRR319650621	1	2	0.0000		C4354_1	C435464354001				JEAN
W EPPERSON						LAVALLA		2653000000	BRHB42	9		
WSRC4353	200.	0.4897	0.7633		0							
** HALE CLAUSE												
**IFBRHB42	279622.	IFD09719850618					1					IFP4246_1
A												
**WR424601	820.	IRR319850618	1	2	0.0000		P4246_1	P424614246001				MARTHA
S JAMESON ET AL						BRAZOS RIVER		2642970000	BRHB42	A 9		
** HALE CLAUSE												
**IFBRHB42	235583.	IFD09319840131					1					IFP4108_1
A												
**WRP41082	900.	IRR319840131	1	2	0.0000		P4108_1	P410814108002				ANDERSON
DEVELOPMENT CORP						BRAZOS RIVER		2633510000	BRAQ33	A 9		
WR435631	84.0	IRR319670207	1	2	0.0000		C4356_1	C435664356001				DAVID
L. ROBERTS & WIFE						POOLE		2632000000	BRHB42	9		
WSRC4356	512.	0.4897	0.7633		0							
WR435731	0.0	UNIFO19650211	1	2	0.0000		C4357_1	C435764357301				CAMP
FIRE INC BLUEBONNET COUNC						GUM BR		2627000000	BRHB42	9		
WSRC4357	195.	0.4897	0.7633		0							
** City of Marlin Right. Right has 3 reservoirs, 3 diversions locations, 5 different priorities,												
** and 3 uses. The diversion from the Brazos can only be diverted Oct - Apr. The rest of the diversions												
** can come from either New Marlin Reservoir or Brushy Creek Reservoir.												
** IF requirement requires releases of stored water when necessary to maintain instream flows.												
IF435533	72.	UNIFO19480401					3	IFC4355_1				
WSBRUSHY	6560.						0					
OR435533							-1					
WR435531	1500.	MUNRE19480409	1	4	R43551	101102		C4355_1	C435564355002			CITY
OF MARLIN						Big Sandy Creek		2625100000	BRBR59	9		
WSC43551	3135.	0.5228	0.8206		0							
WSBRUSHY	6560.						0					
OR435533							-1					
WR435501	2000.	MUNRI19561127	1	4	R43551	101102		C4355_2	C435564355001			CITY
OF MARLIN						BRAZOS RIVER		2625100000	BRHB42	9		
WR435531	1500.	MUNRE19561127	1	4	R43551	101102		C4355_3	C435564355002			CITY
OF MARLIN						Big Sandy Creek		2625100000	BRBR59	9		
WSC43551	3135.	0.5228	0.8206		0							
WSBRUSHY	6560.						0					
OR435533							-1					
WR435501	2000.	INDRI19561127	1	2	0.0000		C4355_4	C435564355001				CITY
OF MARLIN						BRAZOS RIVER		2625100000	BRHB42	9		
WR435532	0.0	UNIFO19761101	1	2	0.0000		C4355_5	C435564355002				CITY
OF MARLIN						Big Sandy Creek		2625100000	BRBR59	9		
WSC43552	650.	0.5228	0.8206		0							
WR435532	0.0	UNIFO19821122	1	2	0.0000		C4355_6	C435564355002				CITY
OF MARLIN						Big Sandy Creek		2625100000	BRBR59	9		
WSC43552	791.	0.5228	0.8206		0							
WR435533	1000.	MUNRE19821122	1	4	R43551	101102		C4355_7	C435564355003			CITY
OF MARLIN						Brushy Creek		2625100000	BRBR59	9		
WSBRUSHY	2921.						0					

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WSC43551	3135.	0.5228	0.8206	0	0								
OR435533				-1									
WR435533	0.0	UNIFO19901203		1	2	0.0000		C4355_8	C435564355003				CITY
OF MARLIN							Brushy Creek		2625100000	BRBR59	9		
WSBRUSHY	6560.												
** HALE CLAUSE													
IFBRHB42	185856.	IFD09619820503		1	1			IFC4358_1					
WR435802	991.	IRR319820503		1	2	0.0000		C4358_1	C435864358002				JOHN
C ISAACS ET AL							BRAZOS RIVER		2624500000	BRHB42	9		
** HALE CLAUSE													
IFBRHB42	196129.	IFD09819830711		1	1			IFP4063_1					
WR406331	270.	IRR319830711		1	2	0.0000		P4063_1	P406314063002				N
S WATERMAN JR ET UX							BRAZOS RIVER		2623300000	BRHB42	9		
WSRP4063	30.0	0.5228	0.8206	0	0								
WR406331	0.	IRR319830711		1	2	0.0000		P4063_2	P406314063002				N
S WATERMAN JR ET UX							BRAZOS RIVER		2623300000	BRHB42	9		
WSRP4063	30.0	0.5228	0.8206	0	0								
SO	119.	270.	406301				BACKUP						
WR435901	496.	IRR319251022		1	2	0.0000		C4359_1	C435964359001				JOHN
C ISAACS ET AL							BRAZOS RIVER		2590000000	BRBR59	9		
** HALE CLAUSE													
IFBRHB42	185856.	IFD09619820503		1	1			IFC4359_1					
WR435901	495.	IRR319820503		1	2	0.0000		C4359_2	C435964359001				JOHN
C ISAACS ET AL							BRAZOS RIVER		2590000000	BRBR59	9		
** HALE CLAUSE													
**IFBRHB42	235583.	IFD09319830906											IFP4075_1
A													
**WR407511	512.	IRR319830906		1	2	0.0000		P4075_1	P407514075101				ANDERSON
DEVELOPMENT CORP							BRAZOS RIVER		2578690000	BRBR59	A	9	
** HALE CLAUSE													
IFBRHB42	235583.	IFD09319830906		1	1			IFP4076_1					
WRP40761	250.	IRR319831107		1	2	0.0000		P4076_1	P407614076001				JAMES
H JONES ET UX							BRAZOS RIVER		2577950000	BRGR30	9		
WR436031	124.	MUN319611128		1	2	0.0000		C4360_1	C436064360001				CITY
OF ROSEBUD							Pond Creek and tributary		2577800000	BRBR59	9		
WSRC4360	124.	0.5228	0.8206	0	0								
WR436031	0.	MUN319611128		1	2	0.0000		C4360_2	C436064360001				CITY
OF ROSEBUD							Pond Creek and tributary		2577800000	BRBR59	9		
WSRC4360	124.	0.5228	0.8206	0	0								
SO	357.	115.	436001				BACKUP						
WR436031	100.	MUN319740715		1	4	R43601		C4360_3	C436064360001				CITY
OF ROSEBUD							Pond Creek and tributary		2577800000	BRBR59	9		
WSRC4360	408.	0.5228	0.8206	0	0								
** HALE CLAUSE													
IFBRHB42	235583.	IFD09319830926		1	1			IFP4078_1					
WR407803	825.	IRR319830926		1	2	0.0000		P4078_1	P407814078001				JOHN
R WOODALL ET AL							BRAZOS RIVER		2577110000	BRGR30	9		
** HALE CLAUSE													
IFBRHB42	196129.	IFD09819830207		1	1			IFP4023_1					
WRP40231	600.	IRR319830207		1	2	0.0000		P4023_1	P402314023001				DON
WEINACHT ET AL							BRAZOS RIVER		2563010000	PPSA28	9		
WR436101	184.	IRR319611231		1	2	0.0000		C4361_1	C436164361001				AGNES
FIELD ELIOT							BRAZOS RIVER		2562750000	BRBR59	9		
WR436201	363.	IRR319590630		1	2	0.0000		C4362_1	C436264362001				DOUGLAS
A MCCRARY							BRAZOS RIVER		2562250000	BRBR59	9		
WR436501	976.	IRR319531231		1	2	0.0000		C4365_1	C436564365001				WESLEY
E ANDERSON ET AL							BRAZOS RIVER		2561700000	BRBR59	9		
WR436601	275.	IRR319570630		1	2	0.0000		C4366_1	C436664366001				ELLEN
WIESE BRIEN ET AL							BRAZOS RIVER		2561620000	BRBR59	9		
** HALE CLAUSE													
IFBRHB42	241653.	IFD09919831031		1	1			IFC4366_1					
WR436601	125.	IRR319831031		1	2	0.0000		C4366_2	C436664366001				ELLEN
WIESE BRIEN ET AL							BRAZOS RIVER		2561620000	BRBR59	9		
WR436701	145.	IRR319591231		1	2	0.0000		C4367_1	C436764367001				GERTRUD
PAPP ETAL							BRAZOS RIVER		2561500000	BRBR59	9		
WR547001	514.	IRR319171122		1	2	0.0000		C5470_1	C547065470001				CLIFFORD
A SKILES JR ET UX							BRAZOS RIVER		2560000000	BRBR59	9		
**IFBRHB42	258380.	IFD09A19840626											IFC5470_1
A													
**WR547001	2400.	IRR319840626		1	2	0.0000		C5470_2	C547065470001				CLIFFORD
A SKILES JR ET UX							BRAZOS RIVER		2560000000	BRBR59	A	9	
** HALE CLAUSE													
IFBRHB42	235583.	IFD09319840515		1	1			IFP4145_1					
WRP41451	448.	IRR319840515		1	2	0.0000		P4145_1	P414514145001				JOHN
W & JANIE NIGLIAZZO							BRAZOS RIVER		1215010000	CFNU16	9		
WR436801	76.0	IRR319560831		1	2	0.0000		C4368_1	C436864368001				GLORIA
ELY HOLDEN							BRAZOS RIVER		1214500000	BRBR59	9		
** HALE CLAUSE													
IFBRHB42	235583.	IFD09319830919		1	1			IFP4080_1					
WR408004	1500.	IRR319830919		1	2	0.0000		P4080_1	P408014080004				GATHAN
REISTINO							BRAZOS RIVER		1208510000	BRBR59	9		
WR437002	297.	IRR319541231		1	2	0.0000		C4370_1	C437064370002				ONAH
B PENN ETAL							BRAZOS RIVER		1207000000	BRBR59	9		

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WR437031	0.0	UNIFO19551231	1	2	0.0000		C4370_2	C437064370003			ONAH
B PENN ETAL						BRAZOS RIVER		1207000000	BRBR59	9	
WSRC4370	15.0	0.5228	0.8206	0	0						
WR437101	410.	IRR319560731	1	2	0.0000		C4371_1	C437164371001			SAM
F DESTEFANO						BRAZOS RIVER		1206300000	BRBR59	9	
** HALE CLAUSE											
IFBRHB42	196129.	IFD09819830207	1	1			IFC4371_1				
WR437101	290.	IRR319830207	1	2	0.0000		C4371_2	C437164371001			SAM
F DESTEFANO						BRAZOS RIVER		1206300000	BRBR59	9	
WR437331	0.0	UNIFO19750224	1	2	0.0000		C4373_1	C437364373301			"DRAYTON
MCLANE, JR"						FERGUSON		1205487500	BRBR59	9	
WSRC4373	156.	0.5228	0.8206	0	0						
WR437332	0.0	UNIFO19750224	1	2	0.0000		C4373_2	C437364373302			"DRAYTON
MCLANE, JR"						FERGUSON		1205487500	BRBR59	9	
WSC43732	177.	0.5228	0.8206	0	0						
WR437431	0.0	UNIFO19720626	1	2	0.0000		C4374_1	C437464374301			LAKE
WOODROW INC						SWEETGUM		1205486000	BRBR59	9	
WSRC4374	166.	0.4897	0.7633	0	0						
** HALE CLAUSE											
IFBRBR59	435061.	IFD09B19810309	1	1			IFC4372_1				
** Right authorized to use 700 acft, of which 235 acft can be from the watershed above the											
** reservoir. The remaining use must be from the Brazos River, with the annual total diverted											
** from the Brazos River for irrigation and maintenance of storage not to exceed 730 acft/yr.											
WR437231	235.	IRR319810309	1	2	0.0000		C4372_1	C437264372002			FORBIN
INVESTMENTS N V						MOORING		1205455000	BRBR59	9	
WR437231	465.	IRR319810309	1	2	0.0000		C4372_2	C437264372002			FORBIN
INVESTMENTS N V						BRAZOS RIVER		1205455000	BRBR59	9	
WSRC4372	120.	0.5228	0.8206	0	0						
SO	268.	730.	437201			BACKUP					
** Expired											
** HALE CLAUSE											
**IFBRBR59	450393.	IFD09C19910228								1	IFP5349_1
A											
**WR534901	780.	IRR319910228	1	2	0.0000		P5349_1	P534915349001			BRAZOS
FARM LTD						BRAZOS RIVER		1205453000	SJGMC4	A	9
WR548231	0.0	MIN319940629	1	2	0.0000		P5482_1	P548215482301			WALNUT
CREEK MINING COMPANY						WALNUT CRK		1205339915	BRBR59	9	
WSRP5482	7.6	0.5228	0.8206	0	0						
WR5326P1	0.0	IND319901024	1	2	0.0000		P5326_1	P532615326001			WALNUT
CREEK MINING CO						WALNUT CRK		1205339910	BRRO72	9	
WSRP5326	49.8	0.5228	0.8206	0	0						
WR511731	0.0	MIN319861231	1	2	0.0000		P5117_1	P511715117301			WALNUT
CREEK MINING COMPANY						BIG WILLOW CRK		1205339900	BRBR59	B	9
WSRP5117	126.	0.5228	0.8206	0	0						
WR437531	4.0	IRR319631231	1	2	0.0000		C4375_1	C437564375002			FLOYD
KEMPENSKI						BEE CRK		1205339800	BRBR59	9	
WSRC4375	20.0	0.5228	0.8206	0	0						
WR510631	0.0	MIN319861022	1	2	0.0000		P5106_1	P510615106301			WALNUT
CREEK MINING COMPANY						BEE CRK		1205337000	BRBR59	B	9
WSRP5106	95.0	0.5228	0.8206	0	0						
WR514831	458.	IND319870723	1	2	0.0000		P5148_1	P514815148301			TEXAS-
NEW MEXICO POWER CO						DRY CRK		1205336000	BRBR59	9	
WSRP5148	178.	0.5228	0.8206	0	0						
WR436301	384.	IRR319511231	1	2	0.0000		C4363_1	C436364363001			JOE
REISTINO ESTATE						BRAZOS RIVER		1205310000	BRBR59	9	
** HALE CLAUSE											
IFBRHB42	235583.	IFD09319831019	1	1			IFC4363_1				
WR436301	1068.	IRR319831019	1	2	0.0000		C4363_2	C436364363001			JOE
REISTINO ESTATE						BRAZOS RIVER		1205310000	BRBR59	9	
WR436302	48.	IRR319511231	1	2	0.0000		C4363_3	C436364363002			JOE
REISTINO ESTATE						BRAZOS RIVER		1205310000	BRBR59	9	
** HALE CLAUSE											
IFBRHB42	261415.	IFD09F19840710	1	1			IFC4364_1				
WR436401	724.	IRR319581231	1	2	0.0000		C4364_1	C436464364001			CLIFF
A SKILES JR						Brazos River and Little Brazos River		1205302000	BRBR59	9	
WR436441	0.	IRR319581231	1	2	0.0000		C4364_2	C436464364001			CLIFF
A SKILES JR						Brazos River and Little Brazos River		1205302000	BRBR59	9	
WSRC4364	6.0	0.2710	0.8958	0	0						
SO		436405				BACKUP					
**WR436401	3026.	IRR319840710	1	2	0.0000		C4364_3	C436464364001			CLIFF
A SKILES JR						Brazos River and Little Brazos River		1205302000	BRBR59	A	9
**WR436405	0.	IRR319840710	1	2	0.0000		C4364_4	C436464364005			CLIFF
A SKILES JR						Brazos River and Little Brazos River		1205302000	BRBR59	A	9
**SO											
WR437601	74.0	IRR319630831	1	2	0.0000		C4376_1	C437664376001			NELSON
FAMILY FARMING TRUST						TOUCHSTONE		1205300000	BRBR59	9	
WR437732	20.0	IRR319581231	1	2	0.0000		C4377_1	C437764377001			GEORGE
C GASSEN						THREE MILE		1205280000	BRBR59	9	
WSRC4377	48.0	0.5228	0.8206	0	0						
WR437831	0.0	UNIFO19770627	1	2	0.0000		C4378_1	C437864378301			ROBERT
H BENBOW						DUNN CRK		1205186000	BRBR59	9	
WSRC4378	166.	0.5228	0.8206	0	0						
WR526831	85.	IND319720530	1	2	0.0000		C5268_1	C526865268001			TEXAS
UTILITIES ELECTRIC CO						DUCK CRK		0780900000	BRHE68	9	

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WSC52772      16.  0.5228  0.8206      0      0
WR527831      0.0  UNIFO19501116  1  2  0.0000      C5278_1  C527865278301      K
L NIXON              FOUR MILE CRK              1125000000  YCSO62      9
WSRC5278      135. 0.5228  0.8206      0      0
WR527931      0.0  UNIFO19741202  1  2  0.0000      C5279_1  C527965279301      BIRCH
CREEK FOREST PROPERTIES  BIRCH CRK              1124000000  YCSO62      9
WSR52791      5.0  0.5228  0.8206      0      0
WR527932      0.0  UNIFO19741202  1  2  0.0000      C5279_2  C527965279302      BIRCH
CREEK FOREST PROPERTIES  BIRCH CRK              1124000000  YCSO62      9
WSR52792      5.0  0.5228  0.8206      0      0
WR527933      0.0  UNIFO19741202  1  2  0.0000      C5279_3  C527965279303      BIRCH
CREEK FOREST PROPERTIES  BIRCH CRK              1124000000  YCSO62      9
WSR52793      5.0  0.5228  0.8206      0      0
** Note: Owner is authorized to divert spring water during periods when the flow
** of Jerdelle Creek is absorbed into the alluvial soils.
WR528041      0.0  IND319810601  1  2  0.0000      C5280_1  C528065280001      WALDO
NIENSTEDT              JERDELLA              1123600000  YCSO62      9
WSRC5280      4.5  0.2710  0.8958      0      0
SO              6.5      20.  528001
**
** Lake Somerville
**
** FNI change - System Operation
WR516431      4619.  MUN319631216  1  4  R51641  103881      C5164_1  C516465164001      BRAZOS
RIVER AUTHORITY              YEGUA CRK              1122000000  YCSO62      9
WSSMRVLE 128311.              0
PX 1
WR516431      6658.  IND319631216  1  2  0.0000      C5164_2  C516465164001      BRAZOS
RIVER AUTHORITY              YEGUA CRK              1122000000  YCSO62      9
WSSMRVLE 128311.              0
PX 1
WR516431      23763.  IND319631216  1  2  0.0000      C5164_3  C516465164001      BRAZOS
RIVER AUTHORITY              YEGUA CRK              1122000000  YCSO62      9
WSSMRVLE 128311.              0
PX 1
WR516431      0.0  IRR319631216  1  2  0.0000      C5164_4  C516465164001      BRAZOS
RIVER AUTHORITY              YEGUA CRK              1122000000  YCSO62      9
WSSMRVLE 128311.              0
PX 1
WR516431      12928.  IRR319631216  1  2  0.0000      C5164_5  C516465164001      BRAZOS
RIVER AUTHORITY              YEGUA CRK              1122000000  YCSO62      9
WSSMRVLE 128311.              0
PX 1
WR516431      32.  MIN319631216  1  2  0.0000      C5164_6  C516465164001      BRAZOS
RIVER AUTHORITY              YEGUA CRK              1122000000  YCSO62      9
WSSMRVLE 128311.              0
PX 1
WR516431      0.0  UNIFO19631216  1  2  0.0000      C5164_7  C516465164001      BRAZOS
RIVER AUTHORITY              YEGUA CRK              1122000000  YCSO62      9
WSSMRVLE 128311.              0
PX 1
** SysOp Change:
** Calculate the total depletion for water right 5164.
WRSR5164      19631216      Compute Dep 5164  SYSTEM
TO 6 1.0 ADD C5164_1 CONT
TO 6 1.0 ADD C5164_2 CONT
TO 6 1.0 ADD C5164_3 CONT
TO 6 1.0 ADD C5164_4 CONT
TO 6 1.0 ADD C5164_5 CONT
TO 6 1.0 ADD C5164_6 CONT
TO 6 1.0 ADD C5164_7 CONT
PX 4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
WRSR5164 9999999 19631216      Depletion 5164  SYSTEM
PX 5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
WR516431      19631216      1.0000  5164DP      Lumped Dep 5164  SYSTEM 1simdep
TO 11 1.0 ADD      Depletion 5164
PX 2
** Special code to output storage from first simulation
WRSO_dum      19631216      1simS0stor  look
TO 4 SET SMRVLE
PX 4
WRSO_dum 9999999 XMONTH19631216      2simS0stor  look
PX 5
** - End modeling Lake Somerville.
** end FNI change
    
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WR528131	0.0	UNIFO19800303	1	2	0.0000		C5281_1	C528165281301			HARRY
H BOWERS						DAVIDSON		1119900000	DCLY63	9	
WSRC5281	60.0	0.4897	0.7633		0						
WR528231	0.0	UNIFO19811109	1	2	0.0000		C5282_1	C528265282301			RUSSELL
F WIGGINS						SECOND DAVIDSON CRK		1119220000	DCLY63	9	
WSRC5282	675.	0.8109	0.6681		0						
** The diversion authorized from Brushy Creek and West Davidson Creek is for flood control											
** purposes and is not modeled.											
**WR414001	0.0	UNIFO19840410	1	2	0.0000		P4140_1	P414014140001			JOE
D DUNCAN						BRUSHY CRK		1119050000	CFNU16	9	
WR528331	0.0	UNIFO19750203	1	2	0.0000		C5283_1	C528365283301			BEAVER
CREEK DEVELOPERS						DAVIDSON		1118450000	DCLY63	9	
WSRC5283	27.8	0.4897	0.7633		0						
WR528332	0.0	UNIFO19750203	1	2	0.0000		C5283_2	C528365283302			BEAVER
CREEK DEVELOPERS						DAVIDSON		1118450000	DCLY63	9	
WSC52831	30.4	0.4897	0.7633		0						
WR528333	0.0	UNIFO19750203	1	2	0.0000		C5283_3	C528365283303			BEAVER
CREEK DEVELOPERS						DAVIDSON		1118450000	DCLY63	9	
WSC52832	8.4	0.4897	0.7633		0						
WR528334	0.0	UNIFO19750203	1	2	0.0000		C5283_4	C528365283304			BEAVER
CREEK DEVELOPERS						DAVIDSON		1118450000	DCLY63	9	
WSC52833	18.5	0.4897	0.7633		0						
WR528335	0.0	UNIFO19750203	1	2	0.0000		C5283_5	C528365283305			BEAVER
CREEK DEVELOPERS						DAVIDSON		1118450000	DCLY63	9	
WSC52834	14.	0.4897	0.7633		0						
WR528336	0.0	UNIFO19750203	1	2	0.0000		C5283_6	C528365283306			BEAVER
CREEK DEVELOPERS						DAVIDSON		1118450000	DCLY63	9	
WSC52835	14.	0.4897	0.7633		0						
WR528431	30.0	IRR319670109	1	2	0.0000		C5284_1	C528465284001			SEALY
& ROBERT HUTCHINGS						YEGUA CRK		1118000000	BRHE68	9	
WSRC5284	72.0	0.5228	0.8206		0						
WR528731	2165.	MUN319570415	1	2	0.0000		C5287_1	C528765287001			BISTONE
MUNICIPAL WSD						NAVASOTA RIVER		1035000000	NAGR64	10	
WS MEXIA	3323.										
WR528731	722.	MUN319570415	1	2	0.0000		C5287_2	C528765287001			BISTONE
MUNICIPAL WSD						NAVASOTA RIVER		1035000000	NAGR64	10	
WS MEXIA	3323.										
WR528731	65.0	IND319570415	1	2	1.0000	IB5287	C5287_3	C528765287001			BISTONE
MUNICIPAL WSD						NAVASOTA RIVER		1035000000	NAGR64	10	
WS MEXIA	3323.										
WR528831	6.0	IRR319390118	1	2	0.0000		C5288_1	C528865288001			TEXAS
PARKS & WILDLIFE						NAVASOTA RIVER		0870000000	NAGR64	10	
WSRC5288	3100.	0.5228	0.8206		0						
WR528831	0.0	UNIFO19390118	1	2	0.0000		C5288_2	C528865288001			TEXAS
PARKS & WILDLIFE						NAVASOTA RIVER		0870000000	NAGR64	10	
WSRC5288	3100.	0.5228	0.8206		0						
WR528931	2500.	MUN319210613	1	2	0.0000		C5289_1	C528965289001			CITY
OF GROESBECK						NAVASOTA RIVER		0840000000	NAEA66	10	
WSRC5289	150.	0.5228	0.8206		0						
WR529031	8.0	IRR319721204	1	2	0.0000		C5290_1	C529065290001			ERNI
LUNA ET AL						PLUMMERS		0812500000	NAEA66	10	
WSRC5290	108.	0.5228	0.8206		0						
WR529131	605.	MUN319520814	1	2	0.0000		C5291_1	C529165291001			CITY
OF TEAGUE						HOLMAN		0810000000	BGFR65	10	
WSRC5291	860.	0.4897	0.7633		0						
WR529131	0.0	MUN319570311	1	2	0.0000		C5291_2	C529165291001			CITY
OF TEAGUE						HOLMAN		0810000000	BGFR65	10	
WSRC5291	1160.	0.4897	0.7633		0						
** Shares reservoir with C5293 (Lower Club Lake).											
WR529331	5.0	MUN319750106	1	2	0.0000		C5292_1	C529265292001			CITY
OF TEAGUE						JETER CRK		0809900000	BGFR65	10	
WSRC5293	483.	0.5228	0.8206		0						
WR529331	24.0	MUN319850910	1	2	0.0000		C5292_2	C529265292001			CITY
OF TEAGUE						JETER CRK		0809900000	BGFR65	10	
WSRC5293	483.	0.5228	0.8206		0						
WR529332	0.0	UNIFO19750106	1	2	0.0000		C5293_1	C529365293302			TEAGUE
HUNTING & FISHING						JETER CRK		0809000000	BGFR65	10	
WSC52931	267.	0.5228	0.8206		0						
WR529331	0.0	UNIFO19750106	1	2	0.0000		C5293_2	C529365293301			TEAGUE
HUNTING & FISHING						JETER CRK		0809000000	BGFR65	10	
WSRC5293	483.	0.5228	0.8206		0						
WR529431	0.0	UNIFO19541231	1	2	0.0000		C5294_1	C529465294301			D
G BROWN						CHAMBERS CRK		0808000000	BGFR65	10	
WSRC5294	150.	0.5228	0.8206		0						
WR529431	0.0	UNIFO19840710	1	2	0.0000		C5294_2	C529465294301			D
G BROWN						CHAMBERS CRK		0808000000	BGFR65	10	
WSRC5294	187.	0.5228	0.8206		0						
WR529531	0.0	UNIFO19760329	1	2	0.0000		C5295_1	C529565295301			J
G KENNEDY						BIG CRK		0807800000	NAEA66	10	
WSRC5295	285.	0.5228	0.8206		0						
WR531937	90.0	IND319901012	1	2	0.0000		P5319_1	P531915319003			NORTHWESTERN
RESOURCES CO						UNNAMED TRIB		0806000000	NAEA66	10	
WSP53191	193.4	0.5228	0.8206		0						

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WR531936      0.    IND319901012  1  2  0.0000      P5319_2  P531915319003      NORTHWESTERN
RESOURCES CO      UNNAMED TRIB      _0806000000  NAEA66      10
WSRP5319  322.7  0.5228  0.8206      0      0
**
** Lake Limestone
**
** The following IFs to protect downstream water rights were removed
**IF516531  4344.  UNIFO19740506      1      IFC5165_1
**IF516531  1448.  UNIFO19740506      3      IFC5165_2
**WSLMSTNE 175882.      0      -1
**OR516531      -1
** FNI change - add in instream flow
** this is the 6 cfs requirement, limited to inflow
** in order to include downstream releases when short, make most junior and limit to inflows
IF516531  4348  DAYS999999999      3      IFLMSTNE6CFS
TO 2      MIN      516501
WSLMSTNE 175882.      0
OR516531
** minimum of 2 cfs as long as there is inflow
** note 1 most junior and downstream
IF516531  1449  DAYS999999999      3      IFLMSTNE2CFS
TO 2      LIM      0.1 9999999  516501
WSLMSTNE 175882.      0
OR516531
**
WR516531  28415.  MUN319740506  1  2  0.0000      C5165_1  C516565165001      BRAZOS
RIVER AUTHORITY      NAVASOTA RIVER      0803000000  NAEA66      10
WSLMSTNE 175882.      0
PX 1
WR516531  200.    MUN319740506  1  2  0.0000      C5165_2  C516565165001      BRAZOS
RIVER AUTHORITY      NAVASOTA RIVER      0803000000  NAEA66      10
WSLMSTNE 175882.      0
PX 1
WR516531  21602.  IND319740506  1  2  0.0000      C5165_3  C516565165001      BRAZOS
RIVER AUTHORITY      NAVASOTA RIVER      0803000000  NAEA66      10
WSLMSTNE 175882.      0
PX 1
WR516531  11255.  IND319740506  1  2  0.0000      C5165_4  C516565165001      BRAZOS
RIVER AUTHORITY      NAVASOTA RIVER      0803000000  NAEA66      10
WSLMSTNE 175882.      0
PX 1
WR516531  3600.   IND319740506  1  2  0.0000      C5165_5  C516565165001      BRAZOS
RIVER AUTHORITY      NAVASOTA RIVER      0803000000  NAEA66      10
WSLMSTNE 175882.      0
PX 1
WR516531  0.0     IRR319740506  1  2  0.0000      C5165_6  C516565165001      BRAZOS
RIVER AUTHORITY      NAVASOTA RIVER      0803000000  NAEA66      10
WSLMSTNE 175882.      0
PX 1
WR516531  2.      MIN319740506  1  2  0.0000      C5165_7  C516565165001      BRAZOS
RIVER AUTHORITY      NAVASOTA RIVER      0803000000  NAEA66      10
WSLMSTNE 175882.      0
PX 1
WR516531  0.0     UNIFO19790904  1  2  0.0000      C5165_8  C516565165001      BRAZOS
RIVER AUTHORITY      NAVASOTA RIVER      0803000000  NAEA66      10
WSLMSTNE 175882.      0
PX 1
** SysOp Change:
** Calculate the total depletion for water right 5165.
WRSR5165      19740506      Compute Dep 5165  SYSTEM
TO 6      1.0      ADD      C5165_1  CONT
TO 6      1.0      ADD      C5165_2  CONT
TO 6      1.0      ADD      C5165_3  CONT
TO 6      1.0      ADD      C5165_4  CONT
TO 6      1.0      ADD      C5165_5  CONT
TO 6      1.0      ADD      C5165_6  CONT
TO 6      1.0      ADD      C5165_7
PX 4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to the regulated flow. In the first pass, the regulated flow is the depletion from the reservoir. In the second pass,
** the depletion is limited to the first pass (base run)
WRSR5165 9999999 19740506      Depletion 5165  SYSTEM
PX 5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
WR516531 19740506      1.0000  5165DP      Lumped Dep 5165  SYSTEM lsimdep
TO 11      1.0      ADD      Depletion 5165
PX 2
**
** Junior Priority
    
```

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**
** SysOp Change:
** Calculate the total depletion for water right 5165. At junior priority
WRSR5165      19790904      Compute Dep5165b  SYSTEM
TO 6      1.0      ADD      C5165_8
PX 4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to depletions in the first run.
WRSR5165 9999999      19790904      Depletion 5165b  SYSTEM
PX 5
**
** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass) for the junior priority.
WRS516531      19790904      1.0000 5165DP      Lumped Dep 5165b  SYSTEM lsimdep
TO 11      1.0      ADD      Depletion 5165b
PX 2
** Special code to output storage from first simulation
WRLS_dum      19790904      1simLSstor      look
TO 4      SET      LMSTNE
PX 4
WRLS_dum 9999999 XMONTH19790904      2simLSstor      look
PX 5
** - End modeling Lake Limestone.
** end FNI change
**
WR536731      0.0      UNIFO19740225      1 2 0.0000      C5367_1      C536765367301      BERT
WHEELER      BEAR CRK      0783160000      NAEA66      10
WSRC5367      1298.      0.5228      0.8206      0      0
**WR/WS/SO/IF Records added/changed for P5160, CAMP COOLEY LTD.
WR5160P1      0.0      D&L319871002      1 2 0.0000      P5160_1      P516015160301      CAMP
COOLEY LTD.      STEELE CRK      0782000000      NAEA66      10
WSRP5160      609.      0.5228      0.8206      0      0
WR516032      0.0      D&L319871002      1 2 0.0000      P5160_2      P516015160302      CAMP
COOLEY LTD.      STEELE CRK      0782000000      NAEA66      10
WSP51602      314.      0.5228      0.8206      0      0
WR529731      0.0      UNIFO19720403      1 2 0.0000      C5297_1      C529765297301      CAMP
COOLEY LTD      BEAR CRK      0783150000      NAEA66      10
WSRC5297      420.      0.5228      0.8206      0      0
IF529831      180.      IFD10319740701      1      IFC5298_1
WR529831      13200.      IND319740701      1 2 0.0000      C5298_1      C529865298001      TEXAS
UTILITIES ELECTRIC CO      DUCK CRK      0780900000      NABR67      10
WSTWNOAK      27333.      0
WR529931      0.0      UNIFO19760830      1 2 0.0000      C5299_1      C529965299301      JAMES
DENNISON ETAL      CLEAR CRK      0780300000      NABR67      10
WSRC5299      159.      0.5228      0.8206      0      0
WR429601      120.      IRR319850806      1 2 0.0000      P4296_1      P429614296001      HORIZON
LAND & CATTLE CO      PIGEON ROOST CRK      0780200000      NABR67      10
WR429602      0.      IRR319850806      1 2 0.0000      P4296_2      P429614296002      HORIZON
LAND & CATTLE CO      PIGEON ROOST CRK      0780200000      NABR67      10
SO      BACKUP
WR429603      0.      IRR319850806      1 2 0.0000      P4296_3      P429614296003      HORIZON
LAND & CATTLE CO      PIGEON ROOST CRK      0780200000      NABR67      10
SO      BACKUP
WR530031      0.0      UNIFO19550411      1 2 0.0000      C5300_1      C530065300301      DAVID
PATE ET UX      MILL CRK      0780000000      NABR67      10
WSRC5300      290.      0.5228      0.8206      0      0
WR530131      0.0      UNIFO19480614      1 2 0.0000      C5301_1      C530165301301      CAMP
CREEK WATER CO.      CAMP CRK      0775000000      NABR67      10
WSCAMCRK      5036.      0
WR530231      0.0      UNIFO19690825      1 2 0.0000      C5302_1      C530265302301      HILLTOP
LAKES RESORT CITY      RUNNING CRK      0767000000      NABR67      10
WSRC5302      976.      0.5228      0.8206      0      0
WR530232      0.0      UNIFO19740528      1 2 0.0000      C5302_2      C530265302302      HILLTOP
LAKES RESORT CITY      RUNNING CRK      0767000000      NABR67      10
WSC53021      465.      0.5228      0.8206      0      0
WR530331      0.0      UNIFO19750203      1 2 0.0000      C5303_1      C530365303301      CITY
OF NORMANGEE      RUNNING CRK      0766900000      NABR67      10
WSRC5303      360.      0.5228      0.8206      0      0
WR530431      0.0      UNIFO19761012      1 2 0.0000      C5304_1      C530465304301      JOINT
TEXAS DIVISION OF ETC      RAYLEIGH      0756750000      BRHE68      10
WSRC5304      210.      0.5228      0.8206      0      0
WR530531      0.0      UNIFO19770117      1 2 0.0000      C5305_1      C530565305301      GERALD
S PITTS LTD NO 1      ALLCORN      0749000000      BRHE68      10
WSRC5305      272.      0.5228      0.8206      0      0
WR530631      0.0      UNIFO19750428      1 2 0.0000      C5306_1      C530665306301      SELECTED
LANDS LTD NO 18      NAVASOTA RIVER      0747750000      BRHE68      10
WSRC5306      216.      0.5228      0.8206      0      0
WR530831      12.0      IRR319760927      1 2 0.0000      C5308_1      C530865308001      BRIARCREST
COUNTRY CLUB INC      BRIAR      0747140000      BRHE68      10
WSRC5308      12.0      0.5228      0.8206      0      0

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WR401611 990. IRR419840313 1 2 0.0000 P4016_3 P401614016001 TOM
J. MOORE FARMS BRAZOS RIVER 1117700000 PPSA28 11
WR531531 0.0 UNIFO19720214 1 2 0.0000 C5315_1 C531565315301 NAVASOTA
FISHING CLUB INC BARTLETT 0741610000 BRHE68 11
WSRC5315 170. 0.5228 0.8206 0 0
IFBRHE68 613616. IFD11219900403 1 1 IFF5290_1
WRP52901 250. IRR419900403 1 2 0.0000 P5290_1 P529015290001 TEXAS
DEPT OF CRIMINAL JUSTICE BRAZOS RIVER 0741400000 BRHE68 11
WSRP5290 30.0 0.5228 0.8206 0 0
WR529041 598. IRR419900403 1 2 0.0000 P5290_2 P529015290001 TEXAS
DEPT OF CRIMINAL JUSTICE BRAZOS RIVER 0741400000 BRHE68 11
WSR52901 277. 0.5228 0.8206 0 0
SO 598. 529003
WR561631 0.0 UNIFO19980930 1 2 0.0000 P5616_1 P561615616301 PROTESTANT
EPISCOPAL CHRCH COU BEASON CRK 0740700000 BRHE68 A 11
WSRP5616 730.3 0.5228 0.8206 0 0
WR531634 0.0 UNIFO19800407 1 2 0.0000 C5316_1 C531665316304 CHAPPELL
HILLS INC LTL CEDAR 0738540000 BRHE68 11
WSRC5316 56.0 0.8475 0.6756 0 0
WR531731 0.0 UNIFO19750728 1 2 0.0000 C5317_1 C531765317301 ROLLING
HILLS PROPERTY OWNERS GLADISH 0737980000 BRRI70 11
WSRC5317 39.0 0.8475 0.6756 0 0
WR531831 0.0 UNIFO19760517 1 2 0.0000 C5318_1 C531865318301 G
M BECKER CLEAR CRK 0737970000 BRRI70 11
WSRC5318 324. 0.5228 0.8206 0 0
** HALE CLAUSE
IFBRHE68 557820. IFD11119830418 1 1 IFF4009_1
WRP40091 135.66 IRR419830418 1 2 0.0000 P4009_1 P400914009001 C
H & BETTY JEAN WILLIAMSON BRAZOS RIVER 0737740000 BRRI70 11
** HALE CLAUSE
IFBRRI70 554696. IFD11619850806 1 1 IFF4280_1
WR428001 10.0 IND419850806 1 2 0.0000 P4280_1 P428014280001 ACME
BRICK COMPANY BRAZOS RIVER 0734800000 BRRI70 11
**
** ALLENS CREEK
**
** Use dummy water rights to check if diversions can be made under the 2 highest levels of instream
** flow requirements. Return flows diverted by dummy rights to same control point from which diverted
** to preserve mass balance.
** WR/WS/IF/SO/TO Records Changed
**IF 2925A 2604379 MEDIAN19990901 1 1
**WR 2925A 12.0 19990901 1 1 1.0 2925A METEST ALLENS12925001
**IF 2925A 0 MEDIAN19990901 1 1
**
**IF 2925A 1076933 25THPT19990901 1 1
**WR 2925A 12.0 19990901 1 1 1.0 2925A 25TEST ALLENS12925001
**IF 2925A 0 25THPT19990901 1 1
**
** Utilize diversions made by dummy water rights to set the appropriate instream flow
** requirement for median and 25th percentile flows. Since WRAP model protects downstream
** water rights, IF requirement to protect downstream senior rights is unnecessary and is
** commented out.
**MEDIAN IF
**IF 2925D 2604379 MEDIAN19990901 1 1 MEDIAN-REG
**TO 6 LIM 0.1 10.0 METEST
**25TH PERCENTILE IF
**IF 2925C 1076933 25THPT19990901 1 1 25THPT-REG
**TO 6 LIM 0.1 10.0 25TEST
**WATER QUALITY PROTECTION (7Q2) IF
**IF 2925A 531399 7Q219990901 1 1 7Q2-REG
**
**-----
**WR292531 99650 MUN419990901 1 1 ALLENS_1 ALLENS12925001 TEXAS
WATER DEVELOPMENT BOARD ALLENS CRK 0724750000 BRRI70
**WSALLENS 145533
**PX 1
** ALLENS CREEK PUMP FROM BRAZOS RIVER
**WR292531 0 MUN419990901 1 1 TESTWR1 ALLENS
**WSALLENS 145533
**SO 130680 202000 292504 BACKUP
**PX 3
** SysOp Change:
** Calculate the total depletion for water right 2925.
**WRSR2925 19990901 Compute Dep 2925 SYSTEM
**TO 6 1.0 ADD ALLENS_1
**PX 4
**
** SysOp Change:
** This is the actual depletion obtained in the base run. It will try to obtain a large amount, but the actual depletion is limited
** to the regulated flow. In the first pass, the regulated flow is the depletion from the reservoir. In the second pass,
** the depletion is limited to the first pass (base run)
**WRSR2925 9999999 19990901 Depletion 2925 SYSTEM
**PX 5
**

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** SysOp Change:
** This is the lumped depletion during the system operation run (second dual). Reservoir is simplified by a single depletion
** of the amount of the base run (first pass)
**WR292531      19990901      1.0000  2925DP      Lumped Dep 2925  SYSTEM 1simdep
**TO  11      1.0      ADD      Depletion 2925
**PX  2
**
** Special code to output storage from first simulation
**WRAC_dum      19990901      1simACstor  look
**TO  4      SET      ALLENS
**PX  4
**WRAC_dum      9999999  XMONTH19990901      2simACstor  look
**PX  5
** end FNI change
**
*****
IF423204      362.      UNIFO19850409      1      IFP4232_1
WR423231      884.      IRR419850409      1  2  0.0000      P4232_1  P423214232001      TWINWOOD
CORP NV ET AL      BRAZOS RIVER      0724000000  BRRI70      11
WSRP4232      1481.7  0.5228  0.8206      0      0
WR423231      0.0      UNIFO19860411      1  2  0.0000      P4232_2  P423214232001      TWINWOOD
CORP NV ET AL      BRAZOS RIVER      0724000001  BRRI70      11
WSRP4231      1488.8  0.5228  0.8206      0      0
WR531931      117.      IRR419630531      1  2  0.0000      C5319_1  C531965319002      WELDON
S LAAS ETAL      BESSIES      0538000000  BRRI70      11
WSRC5319      41.0      0.4897  0.7633      0      0
** C5320 is used to provide makeup water to Smithers Lake under CA 5325.
** FNI change - added backup from BRA system.
** Max recent historical use 15,671 ac-ft in 2005. Assume 12,000 ac-ft goes to irrigation and not returned
** According to NRG accounting plan, about 3,900 ac-ft goes to Brazos Valley Electric plant from this water right
** rest available for Parish plant. Backup from BRA
** Also according to NRG accounting plan, they assign diversions under this right to the Excess Flows permit if flows at
Richmond > 2,000 cfs
** Since Excess Flows is non-priority, diversions under Excess Flows will be determined externally
**WR532001      12000.  IND419261023      1  1  1.0000  D53251      C5320_1  C532065320001      RICHMOND
IRR HOUSTON LIGHTING & POWER COBRAZOS RIVER      0480000000  BRRI70      11
**WR532001      28000.  IND419261023      1  1  1.0000  D53251      C5320_2  C532065320001      RICHMOND
IRR HOUSTON LIGHTING & POWER COBRAZOS RIVER      0480000000  BRRI70      11
WR532001      12000.  IRR419261023      1  1      C5320_1  C532065320001
WR532001      3900.  IND419261023      1  1      C5320_1bve  C532065320001
WR532001      24100.  IND419261023      1  1  1.0000  D53251      C5320_2  C532065320001
** end FNI change
** HALE CLAUSE
** WR/WS/SO/IF Records added/changed for P5567, SAND SUPPLY INC.
IFBRI70 721379.  IFD11319970109  1  1      IFP5567_1
WR556712      2100.  IND419970109      1  1  0.8800      P5567_1  P556715567102      SAND
SUPPLY INC      BRAZOS RIVER      0478000000  BRRO72      11
WR511031      0.0      UNIFO19861118      1  2  0.0000      P5110_1  P511015110001      FORT
BEND COUNTY LEVEE ID #11      M BAYOU      0477000000  BRRO72      11
WSRP5110      354.  0.8475  0.6756      0      0
** Right is for redirection of flows for flood control. Do not model.
**WR517301      0.0      UNIFO19880316      1  2  0.0000      P5173_1  P517315173001      FORT
BEND COUNTY LEVEE I D #11      MIDDLE BAYOU      0476500000  BRRO72      11
** Storage for off-channel settling ponds not modeled.
** HALE CLAUSE
IFBRI70 553178.  IFD11419960507  1  1      IFP5552_1
WR555211      2300.  MIN419960507      1  1  0.9000      P5552_1  P555215552101      CSB
MATERIALS INC      BRAZOS RIVER      0450000000  BRRO72  B  11
**WSRP5552      11.3  0.5228  0.8206      0      0
** Right is for redirection of flows for flood control. Do not model.
** Changed diversion location to CON155
**WRCON155      3000.  MUN419390201      1  4  R51711  106271      C5171_1  C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000  BRRO72      11
**WRCON155      4500.  MUN419390201      1  4  R51711  104101      C5171_2  C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000  BRRO72      11
**WRCON155      19500.  MUN419390201      1  4  R51711  105685      C5171_3  C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000  BRRO72      11
**WRCON155      33750.  MUN419390201      1  4  R51711  103751      C5171_4  C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000  BRRO72      11
**WRCON155      14250.  MUN419390201      1  4  R51711  101731      C5171_5  C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000  BRRO72      11
**WRCON155      50000.  IRR419501212      1  2  0.0000      C5171_8  C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000  BRRO72      11
** FNI change - common group identifier for GCWA rights
WRCON155      3000.  MUN419390201      1  4  R51711  106271      C5171_1  C5171      gcwa
WRCON155      4500.  MUN419390201      1  4  R51711  104101      C5171_2  C5171      gcwa
WRCON155      19500.  MUN419390201      1  4  R51711  105685      C5171_3  C5171      gcwa
WRCON155      33750.  MUN419390201      1  4  R51711  103751      C5171_4  C5171      gcwa
WRCON155      14250.  MUN419390201      1  4  R51711  101731      C5171_5  C5171      gcwa
WRCON155      0.0      IND419390201      1  2  0.0000      C5171_6  C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000  BRRO72      11
WRCON155      0.0      MIN419390201      1  2  0.0000      C5171_7  C517165171002      GULF
COAST WATER AUTHORITY      BRAZOS RIVER      0420000000  BRRO72      11
WRCON155      50000.  IRR419501212      1  2  0.0000      C5171_8  C5171      gcwa

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WR532301	112.	IRR419650330	1	2	0.0000		C5323_1	C532365323001			BEVERLY
T MCDONALD ETAL						BRAZOS RIVER		0230000000	BRRO72	11	
ML	410.	370.	410.	0.	0.	0.	0.	410.	397.	410.	
**WSRC5323	550.	0.2710	0.8958	0	0						
** Two off-channel reservoirs combined into one. Diversions to replenish evaporative losses limited to effluent discharges from the City of Rosenberg on Seabourne Creek.											
WR560641	0.0	UNIFO19980224	1	2	0.0000		P5606_1	P560615606001			CITY
OF ROSENBERG						SEABOURNE CRK		0228000000	BRRO72	A 11	
WSP56061	34.9	0.2710	0.8958	0	0						
SO		18.1	106072								
WR532431	0.0	UNIFO19550711	1	2	0.0000		C5324_1	C532465324301			MARY
ANN CARRICO						BIG CRK		0225000000	BRRO72	11	
WSRC5324	500.	0.5228	0.8206	0	0						
** This right includes the capacity to consumptively use up to 34,300 acft from Smithers Lake. However, only 28,711 acft can be water originating from the Smithers Ck. watershed--the remaining must come from other sources, i.e. purchased from the BRA or diverted under CA 12-5320 into the reservoir. Model diversion from the watershed limited to 28,711 acft, and back up this diversion with additional water from a dummy control point that receives water diverted by CA 12-5320 at an earlier priority.											
WR532531	8000.	IND419551216	1	2	0.0000		C5325_1	C532565325001			HOUSTON
L&P CO-PARISH						DRY CRK		0220000000	BRRO72	11	
WSSMTHRS	17801.				0						
WR532531	20711.	IND419781010	1	2	0.0000		C5325_2	C532565325001			HOUSTON
L&P CO-PARISH						DRY CRK		0220000000	BRRO72	11	
WSSMTHRS	17801.				0						
SO						BACKUP					
WR532531	5589.	IND419781010	1	2	0.0000		C5325_3	C532565325001			HOUSTON
L&P CO-PARISH						DRY CRK		0220000000	BRRO72	11	
WSSMTHRS	17801.				0						
SO		D53251				BACKUP					
** Do not model--flood control diversion from tributary that returns downstream to the Brazos River.											
**WR511501	0.0	UNIFO19861218	1	2	0.0000		P5115_1	P511515115001			FORT
BEND CO. DRAINAGE DIST.						BIG CRK		0217000000	BRRO72	11	
WR532631	0.	UNIFO19781211	1	2	0.0000		C5326_1	C532665326001			TEXAS
PARKS & WILDLIFE DEPT						BIG CRK		0213500000	BRRO72	11	
WSRC5326	854.	0.5228	0.8206	0	0						
WR532631	0	UNIFO19781211	1	2			C5326_2	C532665326002			
WSRC5326	854	0.5228	0.8206								
SO		310	532601			BACKUP					
WR532701	746.	IRR419400424	1	2	0.0000		C5327_1	C532765327001			TEXAS
DEPT OF CRIMINAL JUSTICE						BRAZOS RIVER		0213000000	BRGM73	11	
** HALE CLAUSE											
IFBRR170	553178.	IFD11419840131	1	1			IFP4105_1				
WR410541	0.	UNIFO19840131	1	2	0.0000		P4105_1	P410514105001			BRAZOS
RIVER CLUB						BRAZOS RIVER		0189210000	BRGM73	11	
WSRP4105	3400.	0.2710	0.8958	0	0						
SO		1500.	P41051								
WR410541	0.	UNIFO19890915	1	2	0.0000		P4105_2	P410514105001			BRAZOS
RIVER CLUB						BRAZOS RIVER		0189210000	BRGM73	11	
WSRP4105	3400.	0.2710	0.8958	0	0						
SO		1500.	P41051								
WR536541	0.0	UNIFO19701005	1	2	0.0000		C5365_1	C536565365001			CLT
PROPERTIES INC						BRAZOS RIVER unnamed trib of Varner Creek		0189150000	BRGM73	11	
WSRC5365	2563.0	0.2710	0.8958								
SO		184.	536501								
WR549231	1800.	IRR419480115	1	2	0.0000		C5492_1	C549265492001			T
L SMITH TRUST ET AL						VARNERS CRK		0180000000	BRGM73	11	
WSEGLNST	11315.				0						
WR549231	0.0	UNIFO19480115	1	2	0.0000		C5492_2	C549265492001			T
L SMITH TRUST ET AL						VARNERS CRK		0180000000	BRGM73	11	
WSEGLNST	11315.				0						
WR532941	500.	UNIFO19540607	1	2	0.0000		C5329_1	C532965329001			W C
KELLY JR TRUSTEE						BRAZOS RIVER		0150000000	BRGM73	11	
WSRC5329	2000.	0.2710	0.8958	0	0						
SO		2000.	532901								
** This right can only divert into the off channel reservoir September 15 through May 15.											
WR533041	0.	UNIFO19560730	1	2	0.0000		C5330_1	C533065330001			"TROY
LAKE, INC"						BRAZOS RIVER		0135000000	BRGM73	11	
WSRC5330	342.	0.2710	0.8958	0	0						
SO		114.	533001								
ML	114.	114.	114.	57.	0.	0.	0.	57.	114.	114.	114.
** This right can transfer all or part of 45000 acft/yr (municipal) into San Jacinto-Brazos Coastal Basin or Brazos-Colorado Coastal Basin from the Brazos River Basin. Because the actual IBT amount is not specified, this IBT is not modeled, except for flows returned to points 105481 and 100441 in the San Jacinto-Brazos Coastal Basin.											
WR536602	11700.	MUN419600404	1	4	R53661	105481	C5366_1	C536665366002			BRAZOSPORT
WATER AUTHORITY						BRAZOS RIVER		0041000000	BRGM73	11	
WR536602	13500.	MUN419600404	1	4	R53661	100471	C5366_2	C536665366002			BRAZOSPORT
WATER AUTHORITY						BRAZOS RIVER		0041000000	BRGM73	11	
WR536602	7650.	MUN419600404	1	4	R53661	108821	C5366_3	C536665366002			BRAZOSPORT
WATER AUTHORITY						BRAZOS RIVER		0041000000	BRGM73	11	
WR536602	12150.	MUN419600404	1	4	R53661	100441	C5366_4	C536665366002			BRAZOSPORT
WATER AUTHORITY						BRAZOS RIVER		0041000000	BRGM73	11	

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** The right can divert up to 238,156 acft/yr from the Brazos River to be used directly for
 ** municipal, industrial and domestic and livestock purposes. The water diverted from the
 ** Brazos River can also be impounded in the off-channel Harris and Brazoria Reservoirs.
 ** Water diverted from the Brazos River can be passed through the reservoirs for subsequent use.
 ** The certificate language is unclear whether water in excess of the 238,156 acft/yr can be
 ** diverted from the Brazos River to maintain storage in Harris and Brazoria Reservoirs.
 ** A priority date separate from the Brazos River diversion is provided for impoundment in Brazoria
 ** Reservoir with no specification on where the diversion into the off-channel reservoir originates.
 ** As the reservoirs are operated essentially as pass-through or temporary holding facilities, model
 ** all diversions from the Brazos River as being used directly for the authorized purposes and do
 ** not include the storage in Brazoria or Harris Reservoirs in the model.
 ** The interbasin transfer of 3,136 acft/yr for municipal use by the City of Freeport from the
 ** Brazos to San Jacinto-Brazos Coastal Basin, is returned to the City of Freeport's WWTP dischargin
 ** to the Brazos River.

WR532802	20000.	IND419290228	1	2	0.0000		C5328_1	C532865328002				DOW
CHEMICAL CO						BRAZOS RIVER		0040000000	BRGM73	11		
WR532802	150000.	IND419420214	1	2	0.0000		C5328_2	C532865328002				DOW
CHEMICAL CO						BRAZOS RIVER		0040000000	BRGM73	11		
**WR532841	0.0	MUN419420214	1	2	0.0000		C5328_3	C532865328001				DOW
CHEMICAL CO						BRAZOS RIVER		0040000000	BRGM73	11		
**WSHARRIS	10200.				0							
WR532832	58175.	IND419420214	1	2	0.0000		C5328_4	C532865328003				DOW
CHEMICAL CO.-SEE	BRAZOS					Oyster Creek		0040000000	SJGMC4	11		
WSC53281	30.0	0.5228	0.8206		0	0						
WR532832	1800.	IRR419420214	1	2	0.0000		C5328_5	C532865328003				DOW
CHEMICAL CO						Oyster Creek		0040000000	SJGMC4	B 11		
WSC53281	30.0	0.5228	0.8206		0	0						
WR532832	25.0	UNIFO19420214	1	2	0.0000		C5328_6	C532865328003				DOW
CHEMICAL CO						Oyster Creek		0040000000	SJGMC4	B 11		
WSC53281	30.0	0.5228	0.8206		0	0						
WR532831	7500.	MUN419510403	1	2	0.0000		C5328_7	C532865328004				DOW
CHEMICAL CO						Buffalo Camp Bayou		0040000000	BRGM73	11		
WSC53282	600.	0.8475	0.6756		0	0						
**WR532842	0.0	MUN419510407	1	2	0.0000		C5328_8	C532865328002				DOW
CHEMICAL CO						BRAZOS RIVER		0040000000	BRGM73	11		
**WSBRZRIA	21700.				0							
WR532802	65000.	IND419600404	1	2	0.0000		C5328_9	C532865328002				DOW
CHEMICAL CO						BRAZOS RIVER		0040000000	BRGM73	11		
WR532802	3136.	MUN419760308	1	4	R53661	108821	C5328_10	C532865328002				DOW
CHEMICAL CO						BRAZOS RIVER		0040000000	BRGM73	B 11		
WR532802	20.	D&L419600404	1	2	0.0000		C5328_11	C532865328002				DOW
CHEMICAL CO						BRAZOS RIVER		0040000000	BRGM73	11		
** Changed priority date on mining use. Left IND and MUN commented out.												
WR533201	52000.	MIN420000714	1	2	0.0000		C5332_1	C533265332001				UNITED
STATES DEPT OF ENERGY						BRAZOS RIVER		0020000000	BRGM73	B 11		
**WR533201	135.	IND419790625	1	2	0.0000		C5332_2	C533265332001				UNITED
STATES DEPT OF ENERGY						BRAZOS RIVER		0020000000	BRGM73	11		
**WR533201	3.5	MUN419810427	1	2	0.0000		C5332_3	C533265332001				UNITED
STATES DEPT OF ENERGY						BRAZOS RIVER		0020000000	BRGM73	11		
**												
** Start of San Jacinto-Brazos Coastal Basin												
**												
** Unspecified impoundment for hurricane protection, do not model. Also saline right.												
**WR533301	0.0	UNIFO19710831	1	2	0.0000		C5333_1	C533365333301				VELASCO
DRAINAGE DISTRICT						OLD BRAZOS RIVER		4440000000	SJGMC4	12		
** Saline right, do not model.												
**WR548501	280.	IND419940420	1	2	0.0000		P5485_1	P548515485001				PHILLIPS
PETROLEUM CO						BRAZOS HARBOR		4419000000	SJGMC4	12		
** Saline right, do not model.												
**WR533403	300000.	IND419400506	1	2	1.0000		C5334_1	C533465334003				DOW
CHEMICAL COMPANY						FREEPORT CHANNEL		4410000000	SJGMC4	12		
**WR533403	874000.	IND419420324	1	2	1.0000		C5334_2	C533465334003				DOW
CHEMICAL COMPANY						FREEPORT CHANNEL		4410000000	SJGMC4	12		
**WR533403	400000.	IND419440710	1	2	1.0000		C5334_3	C533465334003				DOW
CHEMICAL COMPANY						FREEPORT CHANNEL		4410000000	SJGMC4	12		
**WR533403	800000.	IND419540223	1	2	1.0000		C5334_4	C533465334003				DOW
CHEMICAL COMPANY						FREEPORT CHANNEL		4410000000	SJGMC4	12		
**WR533403	100000.	IND419570329	1	2	1.0000		C5334_5	C533465334003				DOW
CHEMICAL COMPANY						FREEPORT CHANNEL		4410000000	SJGMC4	12		
**WR533403	155000.	IND419600202	1	2	1.0000		C5334_6	C533465334003				DOW
CHEMICAL COMPANY						FREEPORT CHANNEL		4410000000	SJGMC4	12		
**WR533403	31500000.	IND419631205	1	2	1.0000		C5334_7	C533465334003				DOW
CHEMICAL COMPANY						FREEPORT CHANNEL		4410000000	SJGMC4	12		
**WR533403	80000.	IND419640708	1	2	1.0000		C5334_8	C533465334003				DOW
CHEMICAL COMPANY						FREEPORT CHANNEL		4410000000	SJGMC4	12		
** Multiple reservoirs combined into single reservoir.												
WR517007	159.27	IND419140627	1	2	0.0000		C5170_1	C517065170007				FORT
BEND COUNTY WCID 1						OYSTER CRK		4365000000	SJGMC4	12		
WR517037	18000.	MUN419480514	1	2	0.0000		C5170_2	C517065170007				FORT
BEND COUNTY WCID 1						OYSTER CRK		4365000000	SJGMC4	12		
WSRC5170	8925.	0.5228	0.8206		0	0						
** Shares reservoir(s) with C5170												

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WR517037	12000.	MUN419480514	1	2	0.0000					C5169_1	C516965170001								GULF
COAST WATER AUTHORITY			OYSTER CRK								4359000000	SJGMC4	12						
WSRC5170	8925.	0.5228 0.8206			0														
WR517037	0.0	IND419480514	1	2	0.0000					C5169_2	C516965170001								GULF
COAST WATER AUTHORITY			OYSTER CRK								4359000000	SJGMC4	12						
WSRC5170	8925.	0.5228 0.8206			0														
WR517037	0.0	IRR419480514	1	2	0.0000					C5169_3	C516965170001								GULF
COAST WATER AUTHORITY			OYSTER CRK								4359000000	SJGMC4	12						
WSRC5170	8925.	0.5228 0.8206			0														
WR533601	100.	IRR419561105	1	2	0.0000					C5336_1	C533665336001								"THE
LAKES, LIMITED"			OYSTER CRK								4357100000	SJGMC4	12						
WR533642	0.	UNIFO19561105	1	2	0.0000					C5336_2	C533665336001								"THE
LAKES, LIMITED"			OYSTER CRK								4357100000	SJGMC4	12						
WSRC5336	442.	0.2710 0.8958			0														
SO																			
WR533531	1316.	IRR419561105	1	2	0.0000					C5335_1	C533565335001								"LARRY
J SCHULGEN, TRUSTEE"			OYSTER CRK								4357000000	SJGMC4	D 12						
WSRC5335	379.	0.5228 0.8206			0														
WR5365P1	0.0	UNIFO19910621	1	2	0.0000					P5365_1	P536515365001								"MISSOURI
CITY, CITY OF"			OYSTER CRK								4355000000	SJGMC4	12						
WSRP5365	120.	0.5228 0.8206			0														
WR533741	0.0	UNIFO19530610	1	2	0.0000					C5337_1	C533765337401								"FORT
BEND COUNTY, TEXAS"			NONE								4350000000	SJGMC4	12						
WSRC5337	1600.	0.2710 0.8958			0														
WR533811	200.	IRR419400424	1	2	0.0000					C5338_1	C533865338101								TEXAS
DEPT OF CRIMINAL JUSTICE			OYSTER CRK								4315000000	SJGMC4	12						
IF533811	46624.	UNIFO19850919			1														IFC5338_1
WR533841	100.	IRR419850919	1	2	0.0000					C5338_2	C533865338101								TEXAS
DEPT OF CRIMINAL JUSTICE			OYSTER CRK								4315000000	SJGMC4	12						
WSRC5338	89.6	0.2710 0.8958			0														
SO																			
WR537931	0.0	UNIFO19910830	1	2	0.0000					P5379_1	P537915379301								LAKE
JACKSON ASSOCIATION			OYSTER CRK								4311000000	SJGMC4	12						
WSRP5379	380.	0.5228 0.8206			0														
** Saline impoundment, not modeled.																			
**WR533931	0.0	UNIFO19800616	1	2	0.0000					C5339_1	C533965339301								U
S FISH & WILDLIFE SERVICE			SALT CRK								4290000000	SJGMC4	12						
**WSRC5339	750.	0.5228 0.8206			0														
WR502041	0.0	UNIFO19851001	1	2	0.0000					P5020_1	P502014020001								RALPH
SHUMAN			BASTROP BAYOU								4273000000	SJGMC4	12						
WSRP5020	42.53	0.5228 0.8206			0														
SO																			
WR534241	400.	IRR419140629	1	2	0.0000					C5342_1	C534265342001								E C
STOKLEY TRUSTEE			BASTROP BAYOU								4268000000	SJGMC4	12						
WR534241	0.0	IRR419551010	1	2	0.0000					C5342_2	C534265342001								E C
STOKLEY TRUSTEE			BASTROP BAYOU								4268000000	SJGMC4	12						
WSRC5342	440.	0.2710 0.8958			0														
WR534111	600.	IRR419140630	1	2	0.0000					C5341_1	C534165341101								TOM
TIGNER TRUST			BASTROP BAYOU								4267500000	SJGMC4	12						
IF534401	4713.	IFD12119840508			1														IFP4201_1
WR420102	2000.	IRR419840508	1	2	0.0000					P4201_1	P420114201002								GARRETT
RANCH INC			AUSTIN BAYOU								4260100000	SJGMC4	12						
WR534442	1482.	IRR419361231	1	2	0.0000					C5344_1	C534465344001								MRS W
M GARRETT			AUSTIN BAYOU								4258000000	SJGMC4	12						
WSRC5344	414.	0.8475 0.6756			0														
SO																			
** Diversion into off-channel reservoir is limited to 175 acft total during the months April through																			
** August. Monthly diversion limited to 8.9 cfs (529 acft/mo) during rest of the year. Maximum annual diversion into																			
** off-channel reservoir limited to 425 acft/yr.																			
IFP40101	9795.	IFD12219850103			1														IFP4221_1
WR422141	225.	IRR419850103	1	2	0.0000					P4221_1	P422114221001								ANNA
KOLANCY			AUSTIN BAYOU								4256010000	SJGMC4	12						
WSRP4221	251.	0.2710 0.8958			0														
SO																			
ML	529.	529.	35.	35.	35.	35.	529.	529.	529.	529.									
WR422141	0.	IND419850103	1	2	0.0000					P4221_2	P422114221001								ANNA
KOLANCY			AUSTIN BAYOU								4256010000	SJGMC4	12						
WSRP4221	251.	0.2710 0.8958			0														
WR401041	0.	IRR419830418	1	2	0.0000					P4010_1	P401014010001								J V 3
INC			AUSTIN BAYOU								4254000000	SJGMC4	12						
WSRP4010	72.65	0.2710 0.8958			0														
WRP40101	360.	IRR419830418	1	2	0.0000					P4010_2	P401014010001								J
V 3 INC			AUSTIN BAYOU								4254000000	SJGMC4	12						
** Annual authorized diversion (1003 acft/yr) into reservoirs proportioned on SO records according to reservoir storage.																			
WR534501	506.	IRR419361209	1	2	0.0000					C5345_1	C534565345001								C
E ZWAHR ET AL			AUSTIN BAYOU								4252000000	SJGMC4	B 12						
** Lazy C-Z Reservoir																			
WR534541	0.0	IRR419651021	1	2	0.0000					C5345_2	C534565345001								C E
ZWAHR ET AL			AUSTIN BAYOU								4252000000	SJGMC4	12						
WSRC5345	495.	0.2710 0.8958			0														
SO																			
WR534501	200.	IRR419760712	1	2	0.0000					C5345_3	C534565345001								C
E ZWAHR ET AL			AUSTIN BAYOU								4252000000	SJGMC4	12						

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**WR535701	5000.	IRR419370921	1	2	0.0000	C5357_2	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WR535703	4000.	IRR419401015	1	2	0.0000	C5357_3	C535765357003		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WR535701	2000.	IRR419410409	1	2	0.0000	C5357_4	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WR535702	2000.	IRR419420331	1	2	0.0000	C5357_5	C535765357002		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WR535741	17000.	IRR419660314	1	2	0.0000	C5357_6	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WSRC5357	8951.	0.2710	0.8958	0	0				
**SO	17000.	535701							
**WR535701	15000.	IND419761115	1	2	0.0000	C5357_7	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**WR535702	11000.	IND419761115	1	2	0.0000	C5357_8	C535765357002		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
**Moved diversion location to new confluence point (CON251) for greater flow availability.									
**Under amendment, water can be used for multiple uses (MUN, IRR, IND, REC).									
WRCON251	1500.	MUN419270803	1	2	0.0000	C5357_1	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WRCON251	5000.	MUN419370921	1	2	0.0000	C5357_2	C535765357002		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WR535703	4000.	MUN419401015	1	2	0.0000	C5357_3	C535765357003		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WRCON251	2000.	MUN419410409	1	2	0.0000	C5357_4	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WR535702	2000.	MUN419420331	1	2	0.0000	C5357_5	C535765357002		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WR535741	17000.	MUN419660314	1	2	0.0000	C5357_6	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WSRC5357	8951.	0.2710	0.8958	0	0				
SO	17000.	CON251							
WRCON251	15000.	MUN419761115	1	2	0.0000	C5357_7	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WR535702	11000.	MUN419761115	1	2	0.0000	C5357_8	C535765357002		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WRCON251	0.	IND419270803	1	2	0.0000	C5357_9	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WRCON251	0.	IRR419270803	1	2	0.0000	C5357_10	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
WRCON251	0.	UNIFO19270803	1	2	0.0000	C5357_11	C535765357001		CHOCOLATE
BAYOU WATER CO		CHOCOLATE					3910000000	SJGMC4	12
** Saline, cooling right that diverts from Galveston Bay, do not model.									
**WR536101	107970.	IND419701130	1	2	0.9990	C5361_1	C536165361001		STERLING
CHEMICALS INC		GALVESTON BAY					3500000000	SJGMC4	12
WR557441	0.	UNIFO19970128	1	2	0.0000	P5574_1	P557415574001		LSF
DEVELOPMENT CORP		DICKINSON BAYOU					3450000000	SJGBC3	12
WSRP5574	198.	0.2710	0.8958	0	0				
SO	116.5	557401							
WR536201	46.0	IRR419810928	1	2	0.0000	C5362_1	C536265362001		CHAPARRAL
RECREATION ASSOC		DICKINSON					3401000000	SJGBC3	12
WR536231	0.0	UNIFO19810928	1	2	0.0000	C5362_2	C536265362001		CHAPARRAL
RECREATION ASSOC		DICKINSON					3401000000	SJGBC3	12
WSRC5362	15.0	0.8475	0.6756	0	0				
** Do not model. It is only a flood diversion right.									
**WR517801	0.0	UNIFO19880429	1	2	0.0000	P5178_1	P517815178001		CITY
OF LEAGUE CITY		BENSON BAYOU					3400500000	SJGBC3	12
** Saline, Cooling right with unlimited diversion, 30000 consumptive. Do not Model									
**WR536301	30000.	IND419640811	1	2	0.0000	C5363_1	C536365363001		HOUSTON
L&P-ROBINSON PLANT		DICKINSON					3400000000	SJGBC3	12
IF536402	724.0	UNIFO19910628	1			IFP5369_1			
WR536941	0.	UNIFO19910628	1	2	0.0000	P5369_1	P53699999		HARRIS
COUNTY		CLEAR CRK					3360000000	SJGBC3	12
WSRP5369	89.0	0.2710	0.8958	0	0				
SO	130.	536901							
WR536401	968.	IRR419431231	1	2	0.0000	C5364_1	C536465364001		ROBERT
L ALEXANDER & MARTHA A CROUCH		CLEAR CRK					3309800000	SJGBC3	12
WR518331	0.0	UNIFO19880610	1	2	0.0000	P5183_1	P518315183001		HARRIS
COUNTY (PRECINCT ONE)		CLEAR CRK					3301000000	SJGBC3	12
WSRP5183	30.0	0.5228	0.8206	0	0				
SO	12.0	518301							
** Saline Right. Do not Model									
**WR535001	4440.	IND419650407	1	2	0.0000	C5350_1	C535065350001		HOUSTON
L&P-WEBSTER		CLEAR CRK					3300000000	SJGBC3	12
** Right is authorized to divert only wastewater from League City WWTP (PNUM 10568-005).									
**WR540001	491.	IRR419920219	1	2	0.0000	P5400_1	P540015400001		SOUTH
SHORE HARBOUR DEV LTD		CLEAR CRK					3290000000	SJGBC3	A 12
**SO	105685								
**WR540046	0.	UNIFO19920219	1	2	0.0000	P5400_2	P540015400001		SOUTH
SHORE HARBOUR DEV LTD		CLEAR CRK					3290000000	SJGBC3	A 12
**WSRP5400	91.69	0.2710	0.8958	0	0				
**SO	48.	105685							
IF523001	1448.0	UNIFO19890502	1			IFP5230_1			

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WR523041 150. IRR419890502 1 2 0.0000 P5230_1 P523015230001 BAYWOOD
COUNTRY CLUB ARMAND BAYOU 2100000000 SJGBC3 12
WSRP5230 6.0 0.2710 0.8958 0 0
SO 150. 523001
** Saline impoundment for recreation. Do not model.
**WR559141 0.0 UNIFO19970616 1 2 0.0000 P5591_1 P559115591001 KIRBY
LAKE DEVELOPMENT LTD TAYLOR LAKE ON TAYLOR BAYOU 1900000000 SJGBC3 A 12
**WSRP5591 50.4 0.2710 0.8958 0 0
**SO 32.2 559101
**WR559101 10.7 UNIFO19970616 1 2 0.0000 P5591_2 P559115591001 KIRBY
LAKE DEVELOPMENT LTD TAYLOR LAKE ON TAYLOR BAYOU 1900000000 SJGBC3 A 12
**
** FNI change - System Operation
**
** ----- BEGIN SYSTEM OPERATION -----
** This set of water right are execute only during the second dual simulation (system operation run)
** Modeling at a priority of 03/01/2012 to preserve prior appropriation relative to 30 TAC 298 environmental flow standards
** Refill reservoirs with BRA water.
WR515531 0. 20120301 C5155_RF1_2 SYSTEM
WSPOSDOM 522047. 0
SO 5155DP
PX 2
WR515631 0. 20120301 C5156_RF1_2 SYSTEM
WSGRNBRY 118568. 0
SO 5156DP
WR515731 0. 20120301 C5157_RF1_2 SYSTEM
WSBRAWHT 50000. 0 1
SO 5157DP
PX 2
WR515831 0.0 20120301 C5158_RF1_2 SYSTEM
WSAQUILA 31575. 0
SO 5158DP
PX 2
WR515931 0. 20120301 C5159_RF1_2 SYSTEM
WSPRCTOR 45424. 0
SO 5159DP
PX 2
WR516031 0.0 20120301 C5160_RF1_2 SYSTEM
WSBRABEL 402151. 0 3 -1
SO 5160DP
PX 2
WR516131 0. 20120301 C5161_RF1_2 SYSTEM
WSSTLHSE 223336. 0
SO 5161DP
PX 2
WR516231 0. 20120301 C5162_RF1_2 SYSTEM
WSGRGTWN 36934. 0
SO 5162DP
PX 2
WR516331 0. 20120301 C5163_RF1_2 SYSTEM
WSGRNGER 43158. 0
SO 5163DP
PX 2
WR516431 0.0 20120301 C5164_RF1_2 SYSTEM
WSSMRVLE 128311. 0
SO 5164DP
PX 2
WR516531 0.0 20120301 C5165_RF1_2 SYSTEM
WSLMSTNE 128311. 0
SO 5165DP
PX 2
**WR292531 0.0 20120301 ALLENS_RF1_2 SYSTEM
**WSALLENS 128311. 0
**SO 2925DP
**PX 2
**
** FNI change - Lakeside diversions
** Lakeside
WR515531 6809. MUN220120301 1 2 0.0000 PSMT2_LS_MUN C5155 PK_LS
WSPOSDOM 522047. 0
SO 5155DP
PX 2
**
WR515531 65447. IND220120301 1 2 0.0000 PSMT2_LS_IND C5155 PK_LS
**WR515531 38000. IND220120301 1 2 0.0000 PSMT2_LS_IND C5155 PK_LS
WSPOSDOM 522047. 0
SO 5155DP
PX 2
**
WR515531 500. IRR220120301 1 2 0.0000 PSMT2_LS_IRR C5155 PK_LS
WSPOSDOM 522047. 0
SO 5155DP
PX 2
**

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WR515531 1410. MIN220120301 1 2 0.0000 PSMT2_LS_MIN C5155 PK_LS
WSPOSDOM 522047. 0
SO 5155DP
PX 2
**
** placeholder for upstream contracts
** Removed and included subordinations upstream of PK
**WR515531 0. 20120301 1 2 0.0000 PSMT2_US C5155 PK_LS
**WR515531 14400. 20120301 1 2 0.0000 PSMT2_US C5155 PK_LS
**WSPOSDOM 522047. 0
**SO 5155DP
**PX 2
**
** Lake Proctor
** FNI change - contracts modeling
**
WR515931 6437. MUN220120301 1 2 0.0000 PCTT2_LS_MUN C5159 PR_LS
WSPRCTOR 45424. 0
SO 5159DP
PX 2
WR515931 6652. IRR220120301 1 2 0.0000 PCTT2_LS_IRR C5159 PR_LS
WSPRCTOR 45424. 0
SO 5159DP
PX 2
**
** Lake Granbury
** Type 3 rights so no depletions
**
WR515631 34597. MUN220120301 3 2 0.0000 GBYT2_LS_MUN C5156 GB_LS
WSGRNBRY 118568. 0
OR515631 46500 1.0 1.0 0 0 0
WSPOSDOM 522047. 0
OR515531 218922 1.0 1.0 0 0 0
PX 2
**
**WR515631 50000. IND220120301 3 2 0.0000 GBYT2_LS_IND C5156 GB_LS
WR515631 7000. IND220120301 3 2 0.0000 GBYT2_LS_IND C5156 GB_LS
WSGRNBRY 118568. 0
OR515631 46500 1.0 1.0 0 0 0
WSPOSDOM 522047. 0
OR515531 218922 1.0 1.0 0 0 0
PX 2
** Existing comanche Peak contract - assume no spills from Squaw Creek for contracts modeling
WR515631 43000. IND220120301 3 2 0.0000 GBYT2_LS_LUM C5156 GB_LS
WSGRNBRY 118568. 0
OR515631 46500 1.0 1.0 0 0 0
WSPOSDOM 522047. 0
OR515531 218922 1.0 1.0 0 0 0
PX 2
**
**
** Comanche Peak expansion
**WR515631 90152. IND220120301 3 2 0.0000 GBYT2_LS_CPNPP C5156 GB_LS
**WR515631 90152. IND220120301 3 20.402931 515631 GBYT2_LS_CPNPP C5156 GB_LS
WR515631 0. IND220120301 3 20.402931 515631 GBYT2_LS_CPNPP C5156 GB_LS
WSGRNBRY 118568. 0
OR515631 46500 1.0 1.0 0 0 0
WSPOSDOM 522047. 0
OR515531 218922 1.0 1.0 0 0 0
PX 2
**
WR515631 4760. IRR220120301 3 2 0.0000 GBYT2_LS_IRR C5156 GB_LS
WSGRNBRY 118568. 0
OR515631 46500 1.0 1.0 0 0 0
WSPOSDOM 522047. 0
OR515531 218922 1.0 1.0 0 0 0
PX 2
**
WR515631 44. MIN220120301 3 2 0.0000 GBYT2_LS_MIN C5156 GB_LS
WSGRNBRY 118568. 0
OR515631 46500 1.0 1.0 0 0 0
WSPOSDOM 522047. 0
OR515531 218922 1.0 1.0 0 0 0
PX 2
**
WR515631 20120301 1 2 0.0000 GBYT2_LS_FILL2 C5156 GB_LS
WSGRNBRY 118568. 0
SO 5156DP
PX 2
**
** Lake Whitney
**
WR515731 11260. MUN220120301 3 2 0.0000 WTYT2_LS_MUN C5157 WH_LS
WSBRAWHT 50000. 0

```

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```

**OR515731      0      2.0      1.0      0      0      0
**WSGRNBRY 118568.
**OR515631 46500      1.0      -1      0      0      0
**WSPOSDOM 522047.
**OR515531 218922      0.5      1.0      0      0      0
PX      2
**
WR515731 1000.      IRR220120301      3      2      0.0000      WTYT2_LS_IRR      C5157      WH_LS
WSBRAWHT 50000.
OR515731      0      2.0      1.0      0      0      0      1
WSGRNBRY 118568.
OR515631 46500      1.0      -1      0      0      0
WSPOSDOM 522047.
OR515531 218922      0.5      1.0      0      0      0
BU      WTYT2_LS_MUN
PX      2
** refill
WR515731      0      20120301      1      2      0.0000      WTYT2_LS_FILL      C5157      WH_LS
WSBRAWHT 50000.
SO      5157DP
PX      2
**
** Lake Aquilla
**
WR515831 11403.      MUN220120301      1      2      0.0000      ALAT2_LS_MUN      C5158      AQ_LS
WSAQUILA 31575.
SO      5158DP
PX      2
**
WR515831      0.      IRR220120301      1      2      0.0000      ALAT2_LS_IRR      C5158      AQ_LS
WSAQUILA 31575.
SO      5158DP
PX      2
** System, just lakeside for now
**WR515831      0.      MUN220120301      1      2      0.0000      ALAT2_SYS_MUN      C5158      AQ_LS
**WSAQUILA 31575.
**SO      5158DP
**PX      2
**
** BRA's portion of Lake Belton
** Lakeside municipal
**
WR516031 60062.      MUN220120301      1      2      0.0000      BLNT2_LS_MUN      C5160      BE_LS
WSBRABEL 402151.
SO      5160DP
PX      2
** Put in a small Type 3 right for using Proctor
** different depending on drought ops
WR516031 16000.      MUN220120301      3      2      0.0000      BLNT2_LS_MUN2      C5160      BE_LS
WSBRABEL 402151.
OR516031
WSPRCTOR 45424.
OR515931
TO      13      MUL
**SO      5160DP
**BU      BLNT2_ls_mun
PX      2
**
WR516031 16000.      MUN220120301      3      2      0.0000      BLNT2_LS_MUN3      C5160      BE_LS
WSBRABEL 402151.
OR516031
WSPRCTOR 45424.
OR515931
TO      13      MUL
PX      2
**
WR516031      0.      IRR220120301      1      2      0.0000      BLNT2_LS_IRR      C5160      BE_LS
WSBRABEL 402151.
SO      5160DP
PX      2
** Remainder of Temple contract - assume lakeside
** set to zero in firm yield scenario
WR516031      0.      MUN220120301      1      2      0.0000      BLNT2_LS_TEMPLE2      C5160      BE_LS
WSBRABEL 402151.
SO      5160DP
PX      2
**
** Lake Stillhouse Hollow
**
** lakeside
**
** System demand shared with Belton
** Use Stillhouse until minimum level hit, then bring over water with pipeline

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**
WR516131 8000.      20120301  1  2  0.0000      BLNTSTIT_SYS_MUN  C5161 BESH_LS
WSSTLHSE 223336.      200000
SO          5161DP
PX          2
**
WR516031      20120301  1  2  0.0000      BLNTSTIT_SYS_BU  C5160 BESH_LS
WSBRABEL 402151.      30000      3      -1
BU          BLNTSTIT_SYS_MUN
SO          5160DP
PX          2
**
** Subtract out portion of demand that has already been met by pipeline modeling
**
WR516131 39155.    MUN320120301  1  2  0.0000      STIT2_LS_MUN  C5161  SH_LS
WSSTLHSE 223336.      0
SO          5161DP
TO  11      1.0      SUB          BLNTSTIT_SYS_MUN  CONT
TO  11      1.0      SUB          BLNTSTIT_SYS_BU
PX          2
**
WR516131 0.      IND320120301  1  2  0.0000      STIT2_LS_IND  C5161  SH_LS
WSSTLHSE 223336.      0
SO          5161DP
PX          2
**
WR516131 100.    IRR320120301  1  2  0.0000      STIT2_LS_IRR  C5161  SH_LS
WSSTLHSE 223336.      0
SO          5161DP
PX          2
**
** Lake Georgetown
** minimum elevation 699 is below estimated minimum elevation in 2025
**
** Stillhouse to Georgetown pipeline - drought index based on Georgetown, max 5000 ac-ft/month (60,000 ac-ft/yr) in 2025
** Minimum operating level 559.5 = 22404
** assuming improvements that allow operation below current minimum
**
** Using alternative method of modeling pipeline to facilitate tracking by source
** instead of storing water in Lake Georgetown before diverting, model as a demand
** that swings between sources. This is equivalent to fully diverting all of the water
** brought over by the pipeline
**
** Granger first
**
WR516331 17000.    20120301  1  1  0.0000      GGLTGLKT_SYS_MUN  C5163 GTGN_LS
WSGRNGER 43158.      20000
SO          5163DP
PX          2
** Then take from Georgetown
WR516231      20120301  1  1  0.0000      GGLTGLKT_SYS_BU  C5163 GTGN_LS
WSGRGTWN 36934.      30000
BU          GGLTGLKT_SYS_MUN
SO          5162DP
PX          2
**
** Shared demand with Stillhouse (Stillhouse-Georgetown pipeline)
WR516231 26000.    PIPE20120301  1  2  0.0000      GGLTSTIT_SYS_MUN  C5162 GTSH_LS
WSGRGTWN 36934.      31841
BU          GGLTGLKT_SYS_BU
SO          5162DP
PX          2
**
WR516131      20120301  1  2  0.0000      GGLTSTIT_SYS_BU  C5161 GTSH_LS
WSSTLHSE 223336.      3500
BU          GGLTSTIT_SYS_MUN
SO          5161DP
PX          2
**
**WR516331      20120301  1  1  0.0000      GGLTGLKT_SYS_BU  C5163 GTGN_LS
***WSGRNGER 43158.      8000
**WSGRNGER 43158.      12000
**BU          GGLTGLKT_SYS_MUN
**SO          5163DP
**PX          2
**
** REDUCE DEMAND BY 22,000 AC-FT OF GROUNDWATER
** Subtract out portion of demand that has already been met by pipeline modeling
**
WR516231 52561.    MUN320120301  1  2  0.0000      GGLT2_LS_MUN  C5162  GT_LS
WSGRGTWN 36934.      0
SO          5162DP
TO  11      1.0      SUB          GGLTSTIT_SYS_MUN  CONT

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```

PX      2
WR516431 0.0      20120301      0      C5164_RF2_2  SYSTEM
WSSMRVLE 128311.      5164DP
PX      2
WR516531 0.0      20120301      0      C5165_RF2_2  SYSTEM
WSLMSTNE 175882.      5165DP
PX      2
**WR292531 0.0      20120301      0      ALLENS_RF2_2  SYSTEM
**WSALLENS 145533.      2925DP
**SO
**PX      2
** Return flow from dummy control points.
WR5155DP      20120301      1.0000  515531      C5155_DPRETQ  SYSTEM
TO      2
PX      2
WR5156DP      20120301      1.0000  515631      C5156_DPRETQ  SYSTEM
TO      2
PX      2
WR5157DP      20120301      1.0000  515731      C5157_DPRETQ  SYSTEM
TO      2
PX      2
WR5158DP      20120301      1.0000  515831      C5158_DPRETQ  SYSTEM
TO      2
PX      2
WR5159DP      20120301      1.0000  515931      C5159_DPRETQ  SYSTEM
TO      2
PX      2
WR5160DP      20120301      1.0000  516031      C5160_DPRETQ  SYSTEM
TO      2
PX      2
WR5161DP      20120301      1.0000  516131      C5161_DPRETQ  SYSTEM
TO      2
PX      2
WR5162DP      20120301      1.0000  516231      C5162_DPRETQ  SYSTEM
TO      2
PX      2
WR5163DP      20120301      1.0000  516331      C5163_DPRETQ  SYSTEM
TO      2
PX      2
WR5164DP      20120301      1.0000  516431      C5164_DPRETQ  SYSTEM
TO      2
PX      2
WR5165DP      20120301      1.0000  516531      C5165_DPRETQ  SYSTEM
TO      2
PX      2
**WR2925DP      20120301      1.0000  292531      ALLENS_DPRETQ  SYSTEM
**TO      2
**PX      2
**
** Eflows
**
**Double Mountain Fork Near Aspermont
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMDMAS      20120301      DMRLDMAS  SB3DUM
TO      2      ADD      DMAS09
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE01      XMONTH20120301      BF--DM-DP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      DMDPND
PX      2
WRFAKE01      XMONTH20120301      BF--DM-DP2
TO      6      ADD      BF--DM-DP1      CONT
TO      2      DIV      DAYSPY
PX      2
WRFAKE01      723  DM-DRY20120301      BF--DM-DP3
TO      6      MUL      BF--DM-DP2
PX      2
*****Avg Days*****
WRFAKE01      XMONTH20120301      BF--DM-AP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      DMAFPND
PX      2
WRFAKE01      XMONTH20120301      BF--DM-AP2
TO      6      ADD      BF--DM-AP1      CONT
TO      2      DIV      DAYSPY
PX      2
    
```

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WRFKDM01      2164  DM-AVG20120301                BF--DM-AP3
TO      6                MUL                    BF--DM-AP2
PX      2
*****WET Days*****
WRFKDM01      XMONTH20120301                BF--DM-WP1
TO      2                ADD                    CONT
TO      2                SUB                    DMWFPND
PX      2
WRFKDM01      XMONTH20120301                BF--DM-WP2
TO      6                ADD                    BF--DM-WP1  CONT
TO      2                DIV                    DAYSPY
PX      2
WRFKDM01      7209  DM-WET20120301                BF--DM-WP3
TO      6                MUL                    BF--DM-WP2
PX      2
*****set subsistence flow*****
IFDMSUBS     723  DM-SUB20120301                DM-SUB1
TO      16                MUL                    UP-DRY
PX      2
*****SET DRY BASE FLOW, *****
IFDM-DRY     723  DM-DRY20120301                DM-DRY1
TO      16                MUL                    UP-DRY
PX      2
WRDMNOSB     1  XMONTH20120301                DMNOSUB2
FS      12  UP-DRY      0      1      1 9999999  1
PX      2
WRFKDM11      20120301                HOLDDMBASE
TO      13                ADD                    DM-DRY1
PX      2
WRFKDM12      20120301                DMONOFF
TO      2                ADD                    DMAS09      CONT
TO      6                DIV                    HOLDDMBASE  CONT
TO      6                ADD                    DMNOSUB2
PX      2
IFDM-DRY     20120301                DM-DRY2
TO      13                ADD                    DM-DRY1
FS      5  FKDM12      1      0      1 9999999  1
PX      2
IFDMSUBS     DM-SUB20120301  2                DM-SUB2
TO      2                ADD                    DMAS09      CONT
TO      13                SUB                    DM-SUB1      CONT
TO      2                DIV                    HALF          CONT
TO      13                ADD                    DM-SUB1
FS      5  FKDM12      0      1      1 9999999  1
PX      2
IFDM-DRY     20120301                DM-DRY3
TO      13                ADD                    DM-SUB2      CONT
TO      13                MAX                    DM-DRY2
PX      2
*****SET          AVG          BASE          FLOW,          APPLY          WET/AVG/DRY          CONTDITION          VIA          DI
RECORD*****
IFDM-AVG     2164  DM-AVG20120301                DM-AVG
TO      16                MUL                    UP-AVG
PX      2
*****SET          WET          BASE          FLOW,          APPLY          WET/AVG/DRY          CONTDITION          VIA          DI
RECORD*****
IFDM-WET     7209  DM-WET20120301                DM-WET
TO      16                MUL                    UP-WET
PX      2
*****
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKDM01     1270  XMONTH20120301                FKDMDPLSP1
TO      6                ADD                    BF--DM-DP3
PX      2
WRFKDM02      XMONTH20120301                DMDPSRTRG
TO      2                ADD                    DMAS09      CONT
TO      6                DIV                    FKDMDPLSP1
PX      2
**
WRFKDM01     990  XMONTH20120301                FKDMDPULS1
TO      6                ADD                    BF--DM-DP3
PX      2
**
WRFKDM03      XMONTH20120301                DMDPSUMTRG
TO      2                ADD                    DMAS09      CONT
TO      6                DIV                    FKDMDPULS1
PX      2
***** AVG *****
WRFKDM04     1270  XMONTH20120301                FKDMAPLSP1
TO      6                ADD                    BF--DM-AP3
PX      2
WRFKDM05      XMONTH20120301                DMAPSRTRG
TO      2                ADD                    DMAS09      CONT
    
```


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TO      6          DIV          FKDMAPLSP1
PX      2
**
WRFKDM04      990  XMONTH20120301          FKDMAPULS1
TO      6          ADD          BF--DM-AP3
PX      2
**
WRFKDM06      XMONTH20120301          DMAPSUMTRG
TO      2          ADD          DMAS09          CONT
TO      6          DIV          FKDMAPULS1
PX      2
**
***** WET *****
WRFKDM07      2600 XMONTH20120301          FKDMWPLSP1
TO      6          ADD          BF--DM-WP3
PX      2
WRFKDM08      XMONTH20120301          DMWPSRTRG
TO      2          ADD          DMAS09          CONT
TO      6          DIV          FKDMWPLSP1
PX      2
**
WRFKDM07      2160 XMONTH20120301          FKDMWPLSP1
TO      6          ADD          BF--DM-WP3
PX      2
**
WRFKDM09      XMONTH20120301          DMWPSUMTRG
TO      2          ADD          DMAS09          CONT
TO      6          DIV          FKDMWPLSP1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFDMDPUL      1270 XMONTH20120301          DMDPLSP1
TO      6          ADD          BF--DM-DP3
FS      5  FKDM02      1      0      1 9999999 2 1 1 4 3 6
PX      2
IFDMDPUL      1270 XMONTH20120301      3          DMDPLSP2
TO      6          ADD          BF--DM-DP3
FS      5  FKDM02      1      0      1 9999999 2 1 1 0 3 6
PX      2
IFDMDPUL      990  XMONTH20120301          DMDPULS1
TO      6          ADD          BF--DM-DP3
FS      5  FKDM03      1      0      1 9999999 2 1 1 4 7 10
PX      2
IFDMDPUL      990 XMONTH20120301      3          DMDPULS2
TO      6          ADD          BF--DM-DP3
FS      5  FKDM03      1      0      1 9999999 2 1 1 0 7 10
PX      2
***** AVG *****
IFDMAPUL      1270 XMONTH20120301          DMAPLSP1
TO      6          ADD          BF--DM-AP3
FS      5  FKDM05      1      0      1 9999999 2 1 2 4 3 6
PX      2
IFDMAPUL      1270 XMONTH20120301      3          DMAPLSP2
TO      6          ADD          BF--DM-AP3
FS      5  FKDM05      1      0      1 9999999 2 1 2 0 3 6
PX      2
IFDMAPUL      990  XMONTH20120301          DMAPULS1
TO      6          ADD          BF--DM-AP3
FS      5  FKDM06      1      0      1 9999999 2 1 2 4 7 10
PX      2
IFDMAPUL      990 XMONTH20120301      3          DMAPULS2
TO      6          ADD          BF--DM-AP3
FS      5  FKDM06      1      0      1 9999999 2 1 2 0 7 10
PX      2
***** WET *****
IFDMWPUL      2600 XMONTH20120301          DMWPLSP1
TO      6          ADD          BF--DM-WP3
FS      5  FKDM08      1      0      1 9999999 2 1 1 4 3 6
PX      2
IFDMWPUL      2600 XMONTH20120301      3          DMWPLSP2
TO      6          ADD          BF--DM-WP3
FS      5  FKDM08      1      0      1 9999999 2 1 1 0 3 6
PX      2
IFDMWPUL      2160 XMONTH20120301          DMWPULS1
TO      6          ADD          BF--DM-WP3
FS      5  FKDM09      1      0      1 9999999 2 1 1 4 7 10
PX      2
IFDMWPUL      2160 XMONTH20120301      3          DMWPULS2
TO      6          ADD          BF--DM-WP3
FS      5  FKDM09      1      0      1 9999999 2 1 1 0 7 10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****

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IFDMDPUL 20120301 DMDPFIN
 TO 13 ADD DMDPLSP2 CONT
 TO 13 ADD DMDPULS2 CONT
 TO 16 MUL UP-DRY
 PX 2

***** AVG *****

IFDMAPUL 20120301 DMAPFIN
 TO 13 ADD DMAPLSP2 CONT
 TO 13 ADD DMAPULS2 CONT
 TO 16 MUL UP-AVG
 PX 2

***** WET *****

IFDMWPUL 20120301 DMWPFIN
 TO 13 ADD DMWPLSP2 CONT
 TO 13 ADD DMWPULS2 CONT
 TO 16 MUL UP-WET
 PX 2

** SALT FORK NEAR ASPERMONT

** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
 WRDMSFAS 20120301 DMRLSFAS SB3DUM
 TO 2 ADD SFAS06
 PX 2

** FNI Change end

** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
 ** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.

*****Dry Days*****

WRFake02 XMONTH20120301 BF--SF-DP1
 TO 2 ADD DAYSPY CONT
 TO 2 SUB SFDPND

WRFake02 XMONTH20120301 BF--SF-DP2
 TO 6 ADD BF--SF-DP1 CONT
 TO 2 DIV DAYSPY

WRFake02 723 SF-DRY20120301 BF--SF-DP3
 TO 6 MUL BF--SF-DP2
 PX 2

*****Avg Days*****

WRFake02 XMONTH20120301 BF--SF-AP1
 TO 2 ADD DAYSPY CONT
 TO 2 SUB SFAPND

WRFake02 XMONTH20120301 BF--SF-AP2
 TO 6 ADD BF--SF-AP1 CONT
 TO 2 DIV DAYSPY

WRFake02 1679 SF-AVG20120301 BF--SF-AP3
 TO 6 MUL BF--SF-AP2
 PX 2

*****WET Days*****

WRFake02 XMONTH20120301 BF--SF-WP1
 TO 2 ADD DAYSPY CONT
 TO 2 SUB SFWPND

WRFake02 XMONTH20120301 BF--SF-WP2
 TO 6 ADD BF--SF-WP1 CONT
 TO 2 DIV DAYSPY

WRFake02 4081 SF-WET20120301 BF--SF-WP3
 TO 6 MUL BF--SF-WP2
 PX 2

*****set subsistence flow*****

IFSFSUBS 723 SF-SUB20120301 SF-SUB1
 TO 16 MUL UP-DRY
 PX 2

*****SET DRY BASE FLOW, *****

IFSFD-DRY 723 SF-DRY20120301 SF-DRY1
 TO 16 MUL UP-DRY
 PX 2

WRSFNOSB 1 XMONTH20120301 SFNOSUB2
 FS 12 UP-DRY 0 1 1 999999 1

WRFKSF11 20120301 HOLDSFBASE
 TO 13 ADD SF-DRY1
 PX 2

WRFKSF12 20120301 SFONOFF
 TO 2 ADD SFAS06 CONT
 TO 6 DIV HOLDSFBASE CONT
 TO 6 ADD SFNOSUB2

IFSFD-DRY 20120301 SF-DRY2

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```

TO 13 ADD SF-DRY1
FS 5 FKSFL2 1 0 1 9999999 1
PX 2
IFSFSUBS SF-SUB20120301 2 SF-SUB2
TO 2 ADD SFAS06 CONT
TO 13 SUB SF-SUB1 CONT
TO 2 DIV HALF CONT
TO 13 ADD SF-SUB1
FS 5 FKSFL2 0 1 1 9999999 1
PX 2
IFSFS-DRY 20120301 SF-DRY3
TO 13 ADD SF-SUB2 CONT
TO 13 MAX SF-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFSFS-AVG 1679 SF-AVG20120301 SF-AVG
TO 16 MUL UP-AVG
PX 2
*****SET WET BASE FLOW, *****
IFSFS-WET 4081 SF-WET20120301 SF-WET
TO 16 MUL UP-WET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKSF01 720 XMONTH20120301 FKSFDPPLSP1
TO 6 ADD BF--SF-DP3
PX 2
WRFKSF02 XMONTH20120301 SFDPSRTRG
TO 2 ADD SFAS06 CONT
TO 6 DIV FKSFDPPLSP1
PX 2
**
WRFKSF01 560 XMONTH20120301 FKSFDPULSP1
TO 6 ADD BF--SF-DP3
PX 2
**
WRFKSF03 XMONTH20120301 SFDPSUMTRG
TO 2 ADD SFAS06 CONT
TO 6 DIV FKSFDPULSP1
PX 2
***** AVG *****
WRFKSF04 720 XMONTH20120301 FKSFAPLSP1
TO 6 ADD BF--SF-AP3
PX 2
WRFKSF05 XMONTH20120301 SFAPSRTRG
TO 2 ADD SFAS06 CONT
TO 6 DIV FKSFAPLSP1
PX 2
**
WRFKSF04 560 XMONTH20120301 FKSFAPULSP1
TO 6 ADD BF--SF-AP3
PX 2
**
WRFKSF06 XMONTH20120301 SFAPSUMTRG
TO 2 ADD SFAS06 CONT
TO 6 DIV FKSFAPULSP1
PX 2
**
***** WET *****
WRFKSF07 1350 XMONTH20120301 FKSFWPLSP1
TO 6 ADD BF--SF-WP3
PX 2
WRFKSF08 XMONTH20120301 SFWPSRTRG
TO 2 ADD SFAS06 CONT
TO 6 DIV FKSFWPLSP1
PX 2
**
WRFKSF07 1090 XMONTH20120301 FKSFWPULSP1
TO 6 ADD BF--SF-WP3
PX 2
**
WRFKSF09 XMONTH20120301 SFWPSUMTRG
TO 2 ADD SFAS06 CONT
TO 6 DIV FKSFWPULSP1
PX 2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season) *****
***** DRY *****
IFSFDPL 720 XMONTH20120301 SFDPLSP1
TO 6 ADD BF--SF-DP3
FS 5 FKSFL2 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFSFDPL 720 XMONTH20120301 3 SFDPLSP2
    
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TO      6      ADD      BF--SF-DP3
FS      5      FKSF02    1      0      1 9999999 2 1 1 0 3 6
PX      2
IFSFPUL 560  XMONTH20120301      SFPULS1
TO      6      ADD      BF--SF-DP3
FS      5      FKSF03    1      0      1 9999999 2 1 1 4 7 10
PX      2
IFSFPUL 560  XMONTH20120301  3      SFPULS2
TO      6      ADD      BF--SF-DP3
FS      5      FKSF03    1      0      1 9999999 2 1 1 0 7 10
PX      2
***** AVG *****
IFSFPUL 720  XMONTH20120301      SFAPLSP1
TO      6      ADD      BF--SF-AP3
FS      5      FKSF05    1      0      1 9999999 2 1 2 4 3 6
PX      2
IFSFPUL 720  XMONTH20120301  3      SFAPLSP2
TO      6      ADD      BF--SF-AP3
FS      5      FKSF05    1      0      1 9999999 2 1 2 0 3 6
PX      2
IFSFPUL 560  XMONTH20120301      SFAPULS1
TO      6      ADD      BF--SF-AP3
FS      5      FKSF06    1      0      1 9999999 2 1 2 4 7 10
PX      2
IFSFPUL 560  XMONTH20120301  3      SFAPULS2
TO      6      ADD      BF--SF-AP3
FS      5      FKSF06    1      0      1 9999999 2 1 2 0 7 10
PX      2
***** WET *****
IFSFPUL 1350 XMONTH20120301      SFWPLSP1
TO      6      ADD      BF--SF-WP3
FS      5      FKSF08    1      0      1 9999999 2 1 1 4 3 6
PX      2
IFSFPUL 1350 XMONTH20120301  3      SFWPLSP2
TO      6      ADD      BF--SF-WP3
FS      5      FKSF08    1      0      1 9999999 2 1 1 0 3 6
PX      2
IFSFPUL 1090 XMONTH20120301      SFWPULS1
TO      6      ADD      BF--SF-WP3
FS      5      FKSF09    1      0      1 9999999 2 1 1 4 7 10
PX      2
IFSFPUL 1090 XMONTH20120301  3      SFWPULS2
TO      6      ADD      BF--SF-WP3
FS      5      FKSF09    1      0      1 9999999 2 1 1 0 7 10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFSFPUL 20120301      SFDPFIN
TO      13     ADD      SFDPLSP2    CONT
TO      13     ADD      SFDPLSP2    CONT
TO      16     MUL      UP-DRY
PX      2
***** AVG *****
IFSFPUL 20120301      SFAPFIN
TO      13     ADD      SFAPLSP2    CONT
TO      13     ADD      SFAPLSP2    CONT
TO      16     MUL      UP-AVG
PX      2
***** WET *****
IFSFPUL 20120301      SFWPFIN
TO      13     ADD      SFWPLSP2    CONT
TO      13     ADD      SFWPLSP2    CONT
TO      16     MUL      UP-WET
PX      2
**
**BRAZOS RIVER AT SEYMOUR
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMRSE 20120301      DMRLRSE  SB3DUM
TO      2      ADD      BRSE11
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRF003  XMONTH20120301      BF--SM-DP1
TO      2      ADD      DAYSPY      CONT
TO      2      SUB      SMDPND
PX      2
WRF003  XMONTH20120301      BF--SM-DP2
TO      6      ADD      BF--SM-DP1    CONT
TO      2      DIV      DAYSPY
PX      2

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```

WRFKSM03      5046 SM-DRY20120301                BF--SM-DP3
TO      6      MUL                                BF--SM-DP2
PX      2
*****Avg Days*****
WRFKSM03      XMONTH20120301                BF--SM-AP1
TO      2      ADD                                CONT
TO      2      SUB                                SMAPND
PX      2
WRFKSM03      XMONTH20120301                BF--SM-AP2
TO      6      ADD                                BF--SM-AP1  CONT
TO      2      DIV                                DAYSPY
PX      2
WRFKSM03      13708 SM-AVG20120301                BF--SM-AP3
TO      6      MUL                                BF--SM-AP2
PX      2
*****WET Days*****
WRFKSM03      XMONTH20120301                BF--SM-WP1
TO      2      ADD                                CONT
TO      2      SUB                                SMWPND
PX      2
WRFKSM03      XMONTH20120301                BF--SM-WP2
TO      6      ADD                                BF--SM-WP1  CONT
TO      2      DIV                                DAYSPY
PX      2
WRFKSM03      27200 SM-WET20120301                BF--SM-WP3
TO      6      MUL                                BF--SM-WP2
PX      2
*****set subsistence flow*****
IFSM-SUBS      723 SM-SUB20120301                SM-SUB1
TO      16      MUL                                UP-DRY
PX      2
*****SET DRY BASE FLOW, *****
IFSM-DRY      5046 SM-DRY20120301                SM-DRY1
TO      16      MUL                                UP-DRY
PX      2
WRSMNOSB      1 XMONTH20120301                SMNOSUB2
FS      12 UP-DRY      0      1      1 9999999 1
PX      2
WRFKSM11      20120301                HOLDSMBASE
TO      13      ADD                                SM-DRY1
PX      2
WRFKSM12      20120301                SMONOFF
TO      2      ADD                                BRSE11      CONT
TO      6      DIV                                HOLDSMBASE  CONT
TO      6      ADD                                SMNOSUB2
PX      2
IFSM-DRY      20120301                SM-DRY2
TO      13      ADD                                SM-DRY1
FS      5 FKSM12      1      0      1 9999999 1
PX      2
IFSM-SUBS      SM-SUB20120301      2                SM-SUB2
TO      2      ADD                                BRSE11      CONT
TO      13      SUB                                SM-SUB1      CONT
TO      2      DIV                                HALF        CONT
TO      13      ADD                                SM-SUB1
FS      5 FKSM12      0      1      1 9999999 1
PX      2
IFSM-DRY      20120301                SM-DRY3
TO      13      ADD                                SM-SUB2      CONT
TO      13      MAX                                SM-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFSM-AVG      13708 SM-AVG20120301                SM-AVG
TO      16      MUL                                UP-AVG
PX      2
*****SET WET BASE FLOW, *****
IFSM-WET      27200 SM-WET20120301                SM-WET
TO      16      MUL                                UP-WET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKSM01      2960 XMONTH20120301                FKSM-DPLSP1
TO      6      ADD                                BF--SM-DP3
PX      2
WRFKSM02      XMONTH20120301                SMDPS-PRTRG
TO      2      ADD                                BRSE11      CONT
TO      6      DIV                                FKSM-DPLSP1
PX      2
**
WRFKSM01      1870 XMONTH20120301                FKSM-DPULS1
TO      6      ADD                                BF--SM-DP3
PX      2
**

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WRFKSM03      XMONTH20120301      SMDPSUMTRG
TO 2          ADD          BRSE11          CONT
TO 6          DIV          FKSM DPULS1
PX 2
***** AVG *****
WRFKSM04      2960 XMONTH20120301      FKSMAPLSP1
TO 6          ADD          BF--SM-AP3
PX 2
WRFKSM05      XMONTH20120301      SMAPSPRTRG
TO 2          ADD          BRSE11          CONT
TO 6          DIV          FKSMAPLSP1
PX 2
**
WRFKSM04      1870 XMONTH20120301      FKSMAPULS1
TO 6          ADD          BF--SM-AP3
PX 2
**
WRFKSM06      XMONTH20120301      SMAPSUMTRG
TO 2          ADD          BRSE11          CONT
TO 6          DIV          FKSMAPULS1
PX 2
**
***** WET *****
WRFKSM07      5870 XMONTH20120301      FKSMWPLSP1
TO 6          ADD          BF--SM-WP3
PX 2
WRFKSM08      XMONTH20120301      SMWPSRTRG
TO 2          ADD          BRSE11          CONT
TO 6          DIV          FKSMWPLSP1
PX 2
**
WRFKSM07      4290 XMONTH20120301      FKSMWPULS1
TO 6          ADD          BF--SM-WP3
PX 2
**
WRFKSM09      XMONTH20120301      SMWPSUMTRG
TO 2          ADD          BRSE11          CONT
TO 6          DIV          FKSMWPULS1
PX 2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season) *****
***** DRY *****
IFSMDPUL      2960 XMONTH20120301      SMDPLSP1
TO 6          ADD          BF--SM-DP3
FS 5          FKSM02      1      0      1 9999999 2 1 1 4 3 6
PX 2
IFSMDPUL      2960 XMONTH20120301      3          SMDPLSP2
TO 6          ADD          BF--SM-DP3
FS 5          FKSM02      1      0      1 9999999 2 1 1 0 3 6
PX 2
IFSMDPUL      1870 XMONTH20120301      SMDPULS1
TO 6          ADD          BF--SM-DP3
FS 5          FKSM03      1      0      1 9999999 2 1 1 4 7 10
PX 2
IFSMDPUL      1870 XMONTH20120301      3          SMDPULS2
TO 6          ADD          BF--SM-DP3
FS 5          FKSM03      1      0      1 9999999 2 1 1 0 7 10
PX 2
***** AVG *****
IFSMAFUL      2960 XMONTH20120301      SMAPLSP1
TO 6          ADD          BF--SM-AP3
FS 5          FKSM05      1      0      1 9999999 2 1 2 4 3 6
PX 2
IFSMAFUL      2960 XMONTH20120301      3          SMAPLSP2
TO 6          ADD          BF--SM-AP3
FS 5          FKSM05      1      0      1 9999999 2 1 2 0 3 6
PX 2
IFSMAFUL      1870 XMONTH20120301      SMAPULS1
TO 6          ADD          BF--SM-AP3
FS 5          FKSM06      1      0      1 9999999 2 1 2 4 7 10
PX 2
IFSMAFUL      1870 XMONTH20120301      3          SMAPULS2
TO 6          ADD          BF--SM-AP3
FS 5          FKSM06      1      0      1 9999999 2 1 2 0 7 10
PX 2
***** WET *****
IFSMPUL      5870 XMONTH20120301      SMWPLSP1
TO 6          ADD          BF--SM-WP3
FS 5          FKSM08      1      0      1 9999999 2 1 1 4 3 6
PX 2
IFSMPUL      5870 XMONTH20120301      3          SMWPLSP2
TO 6          ADD          BF--SM-WP3
FS 5          FKSM08      1      0      1 9999999 2 1 1 0 3 6
PX 2

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```

IFSMWPUL 4290 XMONTH20120301 SMWPULS1
TO 6 ADD BF--SM-WP3
FS 5 FKSM09 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFSMWPUL 4290 XMONTH20120301 3 SMWPULS2
TO 6 ADD BF--SM-WP3
FS 5 FKSM09 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFSMDFUL 20120301 SMDPFIN
TO 13 ADD SMDPLSP2 CONT
TO 13 ADD SMDPULS2 CONT
TO 16 MUL UP-DRY
PX 2
***** AVG *****
IFSMDFUL 20120301 SMAPFIN
TO 13 ADD SMAPLSP2 CONT
TO 13 ADD SMAPULS2 CONT
TO 16 MUL UP-AVG
PX 2
***** WET *****
IFSMDFUL 20120301 SMWPFIN
TO 13 ADD SMWPLSP2 CONT
TO 13 ADD SMWPULS2 CONT
TO 16 MUL UP-WET
PX 2
** CLEAR FORK AT NUGENT
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMCFNU 20120301 DMRLCFNU SB3DUM
TO 2 ADD CFNU16
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake04 XMONTH20120301 BF--NU-DP1
TO 2 ADD DAYSPY CONT
TO 2 SUB NUDFND
PX 2
WRFake04 XMONTH20120301 BF--NU-DP2
TO 6 ADD BF--NU-DP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake04 2159 NU-DRY20120301 BF--NU-DP3
TO 6 MUL BF--NU-DP2
PX 2
*****Avg Days*****
WRFake04 XMONTH20120301 BF--NU-AP1
TO 2 ADD DAYSPY CONT
TO 2 SUB NUAFND
PX 2
WRFake04 XMONTH20120301 BF--NU-AP2
TO 6 ADD BF--NU-AP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake04 4328 NU-AVG20120301 BF--NU-AP3
TO 6 MUL BF--NU-AP2
PX 2
*****WET Days*****
WRFake04 XMONTH20120301 BF--NU-WP1
TO 2 ADD DAYSPY CONT
TO 2 SUB NUWPFND
PX 2
WRFake04 XMONTH20120301 BF--NU-WP2
TO 6 ADD BF--NU-WP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake04 8186 NU-WET20120301 BF--NU-WP3
TO 6 MUL BF--NU-WP2
PX 2
*****set subsistence flow*****
IFNUSUBS 723 NU-SUB20120301 NU-SUB1
TO 16 MUL UP-DRY
PX 2
*****SET DRY BASE FLOW, *****
IFNU-DRY 2159 NU-DRY20120301 NU-DRY1
TO 16 MUL UP-DRY
PX 2
WRNUNOSB 1 XMONTH20120301 NUNOSUB2
FS 12 UP-DRY 0 1 1 9999999 1
    
```

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```

PX      2
WRFKNU01      20120301      HOLDNUBASE
TO      13      ADD      NU-DRY1
PX      2
WRFKNU02      20120301      NUONOFF
TO      2      ADD      CFNU16      CONT
TO      6      DIV      HOLDNUBASE      CONT
TO      6      ADD      NUNOSUB2
PX      2
IFNU-DRY      20120301      NU-DRY2
TO      13      ADD      NU-DRY1
FS      5      FKNU02      1      0      1      9999999      1
PX      2
IFNUSUBS      NU-SUB20120301      2      NU-SUB2
TO      2      ADD      CFNU16      CONT
TO      13      SUB      NU-SUB1      CONT
TO      2      DIV      HALF      CONT
TO      13      ADD      NU-SUB1
FS      5      FKNU02      0      1      1      9999999      1
PX      2
IFNU-DRY      20120301      NU-DRY3
TO      13      ADD      NU-SUB2      CONT
TO      13      MAX      NU-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFNU-AVG      4328      NU-AVG20120301      NU-AVG
TO      16      MUL      UP-AVG
PX      2
*****SET WET BASE FLOW, *****
IFNU-WET      8186      NU-WET20120301      NU-WET
TO      16      MUL      UP-WET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKNU02      860      XMONTH20120301      FKNUDPPLSP1
TO      6      ADD      BF--NU-DP3
PX      2
WRFKNU03      XMONTH20120301      NUDPSRTRG
TO      2      ADD      CFNU16      CONT
TO      6      DIV      FKNUDPPLSP1
PX      2
**
WRFKNU02      460      XMONTH20120301      FKNUDPULS1
TO      6      ADD      BF--NU-DP3
PX      2
**
WRFKNU04      XMONTH20120301      NUDPSUMTRG
TO      2      ADD      CFNU16      CONT
TO      6      DIV      FKNUDPULS1
PX      2
***** AVG *****
WRFKNU05      860      XMONTH20120301      FKNUAPLSP1
TO      6      ADD      BF--NU-AP3
PX      2
WRFKNU06      XMONTH20120301      NUAPSRTRG
TO      2      ADD      CFNU16      CONT
TO      6      DIV      FKNUAPLSP1
PX      2
**
WRFKNU05      460      XMONTH20120301      FKNUAPULS1
TO      6      ADD      BF--NU-AP3
PX      2
**
WRFKNU07      XMONTH20120301      NUAPSUMTRG
TO      2      ADD      CFNU16      CONT
TO      6      DIV      FKNUAPULS1
PX      2
**
***** WET *****
WRFKNU08      160      XMONTH20120301      FKNUWPULW1
TO      6      ADD      BF--NU-WP3
PX      2
WRFKNU09      XMONTH20120301      NUWPWIRTRG
TO      2      ADD      CFNU16      CONT
TO      6      DIV      FKNUWPULW1
PX      2
**
WRFKNU08      2800      XMONTH20120301      FKNUWPLSP1
TO      6      ADD      BF--NU-WP3
PX      2
WRFKNU10      XMONTH20120301      NUWPSRTRG
TO      2      ADD      CFNU16      CONT
TO      6      DIV      FKNUWPLSP1
    
```


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PX 2
 **
 WRFKNU08 1890 XMONTH20120301 FKNUWPULS1
 TO 6 ADD BF--NU-WP3
 PX 2
 **

WRFKNU11 XMONTH20120301 NUWPSUMTRG
 TO 2 ADD CFNU16 CONT
 TO 6 DIV FKNUWPULS1
 PX 2
 **

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

***** DRY *****

IFNUDPUL 860 XMONTH20120301 NUDPLSP1
 TO 6 ADD BF--NU-DP3
 FS 5 FKNU03 1 0 1 9999999 2 1 1 4 3 6
 PX 2

IFNUDPUL 860 XMONTH20120301 3 NUDPLSP2
 TO 6 ADD BF--NU-DP3
 FS 5 FKNU03 1 0 1 9999999 2 1 1 0 3 6
 PX 2

IFNUDPUL 460 XMONTH20120301 NUDPULS1
 TO 6 ADD BF--NU-DP3
 FS 5 FKNU04 1 0 1 9999999 2 1 1 4 7 10
 PX 2

IFNUDPUL 460 XMONTH20120301 3 NUDPULS2
 TO 6 ADD BF--NU-DP3
 FS 5 FKNU04 1 0 1 9999999 2 1 1 0 7 10
 PX 2

***** AVG *****

IFNUAPUL 860 XMONTH20120301 NUAPLSP1
 TO 6 ADD BF--NU-AP3
 FS 5 FKNU06 1 0 1 9999999 2 1 2 4 3 6
 PX 2

IFNUAPUL 860 XMONTH20120301 3 NUAPLSP2
 TO 6 ADD BF--NU-AP3
 FS 5 FKNU06 1 0 1 9999999 2 1 2 0 3 6
 PX 2

IFNUAPUL 460 XMONTH20120301 NUAPULS1
 TO 6 ADD BF--NU-AP3
 FS 5 FKNU07 1 0 1 9999999 2 1 2 4 7 10
 PX 2

IFNUAPUL 460 XMONTH20120301 3 NUAPULS2
 TO 6 ADD BF--NU-AP3
 FS 5 FKNU07 1 0 1 9999999 2 1 2 0 7 10
 PX 2

***** WET *****

IFNUWPUL 160 XMONTH20120301 NUWPULW1
 TO 6 ADD BF--NU-WP3
 FS 5 FKNU09 1 0 1 9999999 2 1 1 4 11 2
 PX 2

IFNUWPUL 160 XMONTH20120301 3 NUWPULW2
 TO 6 ADD BF--NU-WP3
 FS 5 FKNU09 1 0 1 9999999 2 1 1 0 11 2
 PX 2

IFNUWPUL 2800 XMONTH20120301 NUWPLSP1
 TO 6 ADD BF--NU-WP3
 FS 5 FKNU10 1 0 1 9999999 2 1 1 4 3 6
 PX 2

IFNUWPUL 2800 XMONTH20120301 3 NUWPLSP2
 TO 6 ADD BF--NU-WP3
 FS 5 FKNU10 1 0 1 9999999 2 1 1 0 3 6
 PX 2

IFNUWPUL 1890 XMONTH20120301 NUWPULS1
 TO 6 ADD BF--NU-WP3
 FS 5 FKNU11 1 0 1 9999999 2 1 1 4 7 10
 PX 2

IFNUWPUL 1890 XMONTH20120301 3 NUWPULS2
 TO 6 ADD BF--NU-WP3
 FS 5 FKNU11 1 0 1 9999999 2 1 1 0 7 10
 PX 2

***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****

***** DRY *****

IFNUDPUL 20120301 NUDPFIN
 TO 13 ADD NUDPLSP2 CONT
 TO 13 ADD NUDPULS2 CONT
 TO 16 MUL UP-DRY
 PX 2

***** AVG *****

IFNUAPUL 20120301 NUAPFIN
 TO 13 ADD NUAPLSP2 CONT
 TO 13 ADD NUAPULS2 CONT
 TO 16 MUL UP-AVG
 PX 2

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```
***** WET *****
IFNUWPUL          20120301          NUWPFIN
TO 13            ADD                NUWPULW2    CONT
TO 13            ADD                NUWPLSP2    CONT
TO 13            ADD                NUWPULS2    CONT
TO 16            MUL                UP-WET
PX 2
**
** CLEAR FORK AT LUEDERS
**
```

```
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMCFLU          20120301          DMRLCFLU    SB3DUM
TO 2              ADD                417431
PX 2
** FNI Change end
**
```

```
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
```

```
*****Dry Days*****
WRFAKE05          XMONTH20120301          BF--LU-DP1
TO 2              ADD                DAYSPY      CONT
TO 2              SUB                LUDFND
PX 2
WRFAKE05          XMONTH20120301          BF--LU-DP2
TO 6              ADD                BF--LU-DP1    CONT
TO 2              DIV                DAYSPY
PX 2
WRFAKE05          2876 LU-DRY20120301          BF--LU-DP3
TO 6              MUL                BF--LU-DP2
PX 2
```

```
*****Avg Days*****
WRFAKE05          XMONTH20120301          BF--LU-AP1
TO 2              ADD                DAYSPY      CONT
TO 2              SUB                LUAPND
PX 2
WRFAKE05          XMONTH20120301          BF--LU-AP2
TO 6              ADD                BF--LU-AP1    CONT
TO 2              DIV                DAYSPY
PX 2
WRFAKE05          5290 LU-AVG20120301          BF--LU-AP3
TO 6              MUL                BF--LU-AP2
PX 2
```

```
*****WET Days*****
WRFAKE05          XMONTH20120301          BF--LU-WP1
TO 2              ADD                DAYSPY      CONT
TO 2              SUB                LUWPNL
PX 2
WRFAKE05          XMONTH20120301          BF--LU-WP2
TO 6              ADD                BF--LU-WP1    CONT
TO 2              DIV                DAYSPY
PX 2
WRFAKE05          10112 LU-WET20120301          BF--LU-WP3
TO 6              MUL                BF--LU-WP2
PX 2
```

```
*****set subsistence flow*****
IFLUSUBS          723 LU-SUB20120301          LU-SUB1
TO 16            MUL                UP-DRY
PX 2
```

```
*****SET DRY BASE FLOW, *****
IFLU-DRY          2876 LU-DRY20120301          LU-DRY1
TO 16            MUL                UP-DRY
PX 2
WRLUNOSB          1 XMONTH20120301          LUNOSUB2
FS 12            UP-DRY          0 1 1 9999999 1
PX 2
WRFKLU01          20120301          HOLDLUBASE
TO 13            ADD                LU-DRY1
PX 2
WRFKLU02          20120301          LUONOFF
TO 2              ADD                417431      CONT
TO 6              DIV                HOLDLUBASE    CONT
TO 6              ADD                LUNOSUB2
PX 2
IFLU-DRY          20120301          LU-DRY2
TO 13            ADD                LU-DRY1
FS 5            FKL02          1 0 1 9999999 1
PX 2
IFLUSUBS          LU-SUB20120301  2          LU-SUB2
TO 2              ADD                417431      CONT
TO 13            SUB                LU-SUB1      CONT
TO 2              DIV                HALF          CONT
TO 13            ADD                LU-SUB1
FS 5            FKL02          0 1 1 9999999 1
PX 2
```

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```

IFLU-DRY          20120301          LU-DRY3
TO 13            ADD                LU-SUB2    CONT
TO 13            MAX                LU-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFLU-AVG          5290  LU-AVG20120301  LU-AVG
TO 16            MUL                UP-AVG
PX 2
*****SET WET BASE FLOW, *****
IFLU-WET          10112 LU-WET20120301  LU-WET
TO 16            MUL                UP-WET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKLU02          74  XMONTH20120301          FKLUDPLSP1
TO 6              ADD                BF--LU-DP3
PX 2
WRFKLU03          XMONTH20120301          LUDPSPRTRG
TO 2              ADD                417431    CONT
TO 6              DIV                FKLUDPLSP1
PX 2
**
WRFKLU02          74  XMONTH20120301          FKLUDPULS1
TO 6              ADD                BF--LU-DP3
PX 2
**
WRFKLU04          XMONTH20120301          LUDPSUMTRG
TO 2              ADD                417431    CONT
TO 6              DIV                FKLUDPULS1
PX 2
***** AVG *****
WRFKLU05          148 XMONTH20120301          FKLUAPLSP1
TO 6              ADD                BF--LU-AP3
PX 2
WRFKLU06          XMONTH20120301          LUAPSPRTRG
TO 2              ADD                417431    CONT
TO 6              DIV                FKLUAPLSP1
PX 2
**
WRFKLU05          148 XMONTH20120301          FKLUAAPULS1
TO 6              ADD                BF--LU-AP3
PX 2
**
WRFKLU07          XMONTH20120301          LUAPSUMTRG
TO 2              ADD                417431    CONT
TO 6              DIV                FKLUAAPULS1
PX 2
**
***** WET *****
WRFKLU08          158 XMONTH20120301          FKLWLPULW1
TO 6              ADD                BF--LU-WP3
PX 2
WRFKLU09          XMONTH20120301          LUWPWIRTRG
TO 2              ADD                417431    CONT
TO 6              DIV                FKLWLPULW1
PX 2
**
WRFKLU08          2054 XMONTH20120301          FKLWPLSP1
TO 6              ADD                BF--LU-WP3
PX 2
WRFKLU10          XMONTH20120301          LUWPSPRTRG
TO 2              ADD                417431    CONT
TO 6              DIV                FKLWPLSP1
PX 2
**
WRFKLU08          779 XMONTH20120301          FKLWLPULS1
TO 6              ADD                BF--LU-WP3
PX 2
**
WRFKLU11          XMONTH20120301          LUWPSUMTRG
TO 2              ADD                417431    CONT
TO 6              DIV                FKLWLPULS1
PX 2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season) *****
***** DRY *****
IFLUDPUL          74  XMONTH20120301          LUDPLSP1
TO 6              ADD                BF--LU-DP3
FS 5  FKL03      1      0      1 9999999  2  1  1  4  3  6
PX 2
IFLUDPUL          74  XMONTH20120301  3          LUDPLSP2
TO 6              ADD                BF--LU-DP3
FS 5  FKL03      1      0      1 9999999  2  1  1  0  3  6
    
```

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```

PX      2
IFLUDPUL      74  XMONTH20120301                LU DPULS1
TO      6          ADD                          BF--LU-DP3
FS      5  FKL04      1      0      1 9999999  2  1  1  4  7  10
PX      2
IFLUDPUL      74  XMONTH20120301      3          LU DPULS2
TO      6          ADD                          BF--LU-DP3
FS      5  FKL04      1      0      1 9999999  2  1  1  0  7  10
PX      2
***** AVG *****
IFLUAPUL      148 XMONTH20120301                LUAPLS1
TO      6          ADD                          BF--LU-AP3
FS      5  FKL06      1      0      1 9999999  2  1  2  4  3  6
PX      2
IFLUAPUL      148 XMONTH20120301      3          LUAPLS2
TO      6          ADD                          BF--LU-AP3
FS      5  FKL06      1      0      1 9999999  2  1  2  0  3  6
PX      2
IFLUAPUL      148 XMONTH20120301                LUAPULS1
TO      6          ADD                          BF--LU-AP3
FS      5  FKL07      1      0      1 9999999  2  1  2  4  7  10
PX      2
IFLUAPUL      148 XMONTH20120301      3          LUAPULS2
TO      6          ADD                          BF--LU-AP3
FS      5  FKL07      1      0      1 9999999  2  1  2  0  7  10
PX      2
***** WET *****
IFLUWPUL      158 XMONTH20120301                LUWPULW1
TO      6          ADD                          BF--LU-WP3
FS      5  FKL09      1      0      1 9999999  2  1  1  4  11  2
PX      2
IFLUWPUL      158 XMONTH20120301      3          LUWPULW2
TO      6          ADD                          BF--LU-WP3
FS      5  FKL09      1      0      1 9999999  2  1  1  0  11  2
PX      2
IFLUWPUL      2054 XMONTH20120301                LUWPLS1
TO      6          ADD                          BF--LU-WP3
FS      5  FKL10      1      0      1 9999999  2  1  1  4  3  6
PX      2
IFLUWPUL      2054 XMONTH20120301      3          LUWPLS2
TO      6          ADD                          BF--LU-WP3
FS      5  FKL10      1      0      1 9999999  2  1  1  0  3  6
PX      2
IFLUWPUL      779 XMONTH20120301                LUWPULS1
TO      6          ADD                          BF--LU-WP3
FS      5  FKL11      1      0      1 9999999  2  1  1  4  7  10
PX      2
IFLUWPUL      779 XMONTH20120301      3          LUWPULS2
TO      6          ADD                          BF--LU-WP3
FS      5  FKL11      1      0      1 9999999  2  1  1  0  7  10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFLUDPUL      20120301                LUDPFIN
TO      13          ADD                          LU DPLS2   CONT
TO      13          ADD                          LU DPULS2  CONT
TO      16          MUL                          UP-DRY
PX      2
***** AVG *****
IFLUAPUL      20120301                LUAPFIN
TO      13          ADD                          LUAPLS2   CONT
TO      13          ADD                          LUAPULS2  CONT
TO      16          MUL                          UP-AVG
PX      2
***** WET *****
IFLUWPUL      20120301                LUWPFIN
TO      13          ADD                          LUWPULW2  CONT
TO      13          ADD                          LUWPLS2   CONT
TO      13          ADD                          LUWPULS2  CONT
TO      16          MUL                          UP-WET
PX      2
**
**BRAZOS RIVER NEAR SOUTH BEND
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRBS      20120301                DMRLBRBS  SB3DUM
TO      2          ADD                          BRBS23
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE06      XMONTH20120301                BF--SB-DP1
    
```

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```

TO      2          ADD          DAYSPY          CONT
TO      2          SUB          SBDFND
PX      2
WRFK06   XMONTH20120301          BF--SB-DP2
TO      6          ADD          BF--SB-DP1  CONT
TO      2          DIV          DAYSPY
PX      2
WRFK04   19473  SB-DRY20120301          BF--SB-DP3
TO      6          MUL          BF--SB-DP2
PX      2
*****Avg Days*****
WRFK06   XMONTH20120301          BF--SB-AP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          SBDFND
PX      2
WRFK06   XMONTH20120301          BF--SB-AP2
TO      6          ADD          BF--SB-AP1  CONT
TO      2          DIV          DAYSPY
PX      2
WRFK06   43077  SB-AVG20120301          BF--SB-AP3
TO      6          MUL          BF--SB-AP2
PX      2
*****WET Days*****
WRFK06   XMONTH20120301          BF--SB-WP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          SBDFND
PX      2
WRFK06   XMONTH20120301          BF--SB-WP2
TO      6          ADD          BF--SB-WP1  CONT
TO      2          DIV          DAYSPY
PX      2
WRFK06   75864  SB-WET20120301          BF--SB-WP3
TO      6          MUL          BF--SB-WP2
PX      2
*****set subsistence flow*****
IFSBSUBS  723  SB-SUB20120301          SB-SUB1
TO      16         MUL          UP-DRY
PX      2
*****SET DRY BASE FLOW, *****
IFSBSUBS  19473  SB-DRY20120301          SB-DRY1
TO      16         MUL          UP-DRY
PX      2
WRSBNOB   1  XMONTH20120301          SBNOSUB2
FS      12  UP-DRY  0  1  1  9999999  1
PX      2
WRFKSB11  20120301          HOLDSBBASE
TO      13         ADD          SB-DRY1
PX      2
WRFKSB12  20120301          SBONOFF
TO      2          ADD          BRBSB23          CONT
TO      6          DIV          HOLDSBBASE          CONT
TO      6          ADD          SBNOSUB2
PX      2
IFSBSUBS  20120301          SB-DRY2
TO      13         ADD          SB-DRY1
FS      5  FKSB12  1  0  1  9999999  1
PX      2
IFSBSUBS  SB-SUB20120301  2          SB-SUB2
TO      2          ADD          BRBSB23          CONT
TO      13         SUB          SB-SUB1          CONT
TO      2          DIV          HALF          CONT
TO      13         ADD          SB-SUB1
FS      5  FKSB12  0  1  1  9999999  1
PX      2
IFSBSUBS  20120301          SB-DRY3
TO      13         ADD          SB-SUB2          CONT
TO      13         MAX          SB-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFSBSUBS  43077  SB-AVG20120301          SB-AVG
TO      16         MUL          UP-AVG
PX      2
*****SET WET BASE FLOW, *****
IFSBSUBS  75864  SB-WET20120301          SB-WET
TO      16         MUL          UP-WET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKSB01  7280  XMONTH20120301          FKSBDPLSP1
TO      6          ADD          BF--SB-DP3
PX      2
WRFKSB02  XMONTH20120301          SBDPSPRTRG
TO      2          ADD          BRBSB23          CONT
    
```

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```

TO      6          DIV          FKSBDPLSP1
PX      2
**
WRFKSB01  3140  XMONTH20120301          FKSBDPULS1
TO      6          ADD          BF--SB-DP3
PX      2
**
WRFKSB03          XMONTH20120301          SBDPSUMTRG
TO      2          ADD          BRSEB23          CONT
TO      6          DIV          FKSBDPULS1
PX      2
***** AVG *****
WRFKSB04  7280  XMONTH20120301          FKSBAPLSP1
TO      6          ADD          BF--SB-AP3
PX      2
WRFKSB05          XMONTH20120301          SBAPSPRTRG
TO      2          ADD          BRSEB23          CONT
TO      6          DIV          FKSBAPLSP1
PX      2
**
WRFKSB04  3140  XMONTH20120301          FKSBAPLSP1
TO      6          ADD          BF--SB-AP3
PX      2
**
WRFKSB06          XMONTH20120301          SBAPSUMTRG
TO      2          ADD          BRSEB23          CONT
TO      6          DIV          FKSBAPLSP1
PX      2
**
***** WET *****
WRFKSB07  15700 XMONTH20120301          FKSBBWPLSP1
TO      6          ADD          BF--SB-WP3
PX      2
WRFKSB09          XMONTH20120301          SBWPSRTRG
TO      2          ADD          BRSEB23          CONT
TO      6          DIV          FKSBBWPLSP1
PX      2
**
WRFKSB07  7050  XMONTH20120301          FKSBBWPULS1
TO      6          ADD          BF--SB-WP3
PX      2
**
WRFKSB10          XMONTH20120301          SBWPSUMTRG
TO      2          ADD          BRSEB23          CONT
TO      6          DIV          FKSBBWPULS1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season) *****
***** DRY *****
IFSBDPUL  7280  XMONTH20120301          SBDPLSP1
TO      6          ADD          BF--SB-DP3
FS      5  FKS02    1      0      1 9999999  2  1  1  4  3  6
PX      2
IFSBDPUL  7280  XMONTH20120301  3          SBDPLSP2
TO      6          ADD          BF--SB-DP3
FS      5  FKS02    1      0      1 9999999  2  1  1  0  3  6
PX      2
IFSBDPUL  3140  XMONTH20120301          SBDPULS1
TO      6          ADD          BF--SB-DP3
FS      5  FKS03    1      0      1 9999999  2  1  1  4  7  10
PX      2
IFSBDPUL  3140  XMONTH20120301  3          SBDPULS2
TO      6          ADD          BF--SB-DP3
FS      5  FKS03    1      0      1 9999999  2  1  1  0  7  10
PX      2
***** AVG *****
IFSBAFUL  7280  XMONTH20120301          SBAPLSP1
TO      6          ADD          BF--SB-AP3
FS      5  FKS05    1      0      1 9999999  2  1  2  4  3  6
PX      2
IFSBAFUL  7280  XMONTH20120301  3          SBAPLSP2
TO      6          ADD          BF--SB-AP3
FS      5  FKS05    1      0      1 9999999  2  1  2  0  3  6
PX      2
IFSBAFUL  3140  XMONTH20120301          SBAPULS1
TO      6          ADD          BF--SB-AP3
FS      5  FKS06    1      0      1 9999999  2  1  2  4  7  10
PX      2
IFSBAFUL  3140  XMONTH20120301  3          SBAPULS2
TO      6          ADD          BF--SB-AP3
FS      5  FKS06    1      0      1 9999999  2  1  2  0  7  10
PX      2
***** WET *****
IFSBBFUL  15700 XMONTH20120301          SBWPLSP1
    
```

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```

TO 6 ADD BF--SB-WP3
FS 5 FKSB09 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFSBWPUL 15700 XMONTH20120301 3 SBWPLSP2
TO 6 ADD BF--SB-WP3
FS 5 FKSB09 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFSBWPUL 7050 XMONTH20120301 SBWPULS1
TO 6 ADD BF--SB-WP3
FS 5 FKSB10 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFSBWPUL 7050 XMONTH20120301 3 SBWPULS2
TO 6 ADD BF--SB-WP3
FS 5 FKSB10 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFSBDFUL 20120301 SBDPFIN
TO 13 ADD SBDPLSP2 CONT
TO 13 ADD SBDPULS2 CONT
TO 16 MUL UP-DRY
PX 2
***** AVG *****
IFSBAPUL 20120301 SBAPFIN
TO 13 ADD SBAPLSP2 CONT
TO 13 ADD SBAPULS2 CONT
TO 16 MUL UP-AVG
PX 2
***** WET *****
IFSBWPUL 20120301 SBWPFIN
TO 13 ADD SBWPLSP2 CONT
TO 13 ADD SBWPULS2 CONT
TO 16 MUL UP-WET
PX 2
**
**BRAZOS RIVER NEAR PALO PINTO
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRPP 20120301 DMRLBRPP SB3DUM
TO 2 ADD BRPP27
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake07 XMONTH20120301 BF--PP-DP1
TO 2 ADD DAYSPY CONT
TO 2 SUB PDPEND
PX 2
WRFake07 XMONTH20120301 BF--PP-DP2
TO 6 ADD BF--PP-DP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake07 28686 PP-DRY20120301 BF--PP-DP3
TO 6 MUL BF--PP-DP2
PX 2
*****Avg Days SMALL PULSE*****
WRFake07 XMONTH20120301 BF--PPSAP1
TO 2 ADD DAYSPY CONT
TO 2 SUB PPASPD
PX 2
WRFake07 XMONTH20120301 BF--PPSAP2
TO 6 ADD BF--PPSAP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake07 50176 PP-AVG20120301 BF--PPSAP3
TO 6 MUL BF--PPSAP2
PX 2
*****Avg Days LARGE PULSE*****
WRFake07 XMONTH20120301 BF--PPLAP1
TO 2 ADD DAYSPY CONT
TO 2 SUB PPALPD
PX 2
WRFake07 XMONTH20120301 BF--PPLAP2
TO 6 ADD BF--PPLAP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake07 50176 PP-AVG20120301 BF--PPLAP3
TO 6 MUL BF--PPLAP2
PX 2
*****WET Days SMALL PULSE*****
WRFake07 XMONTH20120301 BF--PPSWP1
TO 2 ADD DAYSPY CONT

```

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```

TO      2          SUB          PPWSPD
PX      2
WRFKPE07      XMONTH20120301          BF--PPSWP2
TO      6          ADD          BF--PPSWP1  CONT
TO      2          DIV          DAYSPY
PX      2
WRFKPE07      82022  PP-WET20120301          BF--PPSWP3
TO      6          MUL          BF--PPSWP2
PX      2
*****WET Days LARGE PULSE*****
WRFKPE07      XMONTH20120301          BF--PPLWP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          PPWLPD
PX      2
WRFKPE07      XMONTH20120301          BF--PPLWP2
TO      6          ADD          BF--PPLWP1  CONT
TO      2          DIV          DAYSPY
PX      2
WRFKPE07      82022  PP-WET20120301          BF--PPLWP3
TO      6          MUL          BF--PPLWP2
PX      2
*****set subsistence flow*****
IFPPSUBS      12294  PP-SUB20120301          PP-SUB1
TO      16          MUL          MIDDRY
PX      2
*****SET DRY BASE FLOW, *****
IFPP-DRY      28686  PP-DRY20120301          PP-DRY1
TO      16          MUL          MIDDRY
PX      2
WRPPNOSB      1  XMONTH20120301          PPNOSUB2
FS      12  MIDDRY      0      1      1  9999999  1
PX      2
WRFKPP01      20120301          HOLDPPBASE
TO      13          ADD          PP-DRY1
PX      2
WRFKPP02      20120301          PPONOFF
TO      2          ADD          BRPP27          CONT
TO      6          DIV          HOLDPPBASE  CONT
TO      6          ADD          PPNOSUB2
PX      2
IFPP-DRY      20120301          PP-DRY2
TO      13          ADD          PP-DRY1
FS      5  FKPP02      1      0      1  9999999  1
PX      2
IFPPSUBS      PP-SUB20120301  2          PP-SUB2
TO      2          ADD          BRPP27          CONT
TO      13          SUB          PP-SUB1          CONT
TO      2          DIV          HALF          CONT
TO      13          ADD          PP-SUB1
FS      5  FKPP02      0      1      1  9999999  1
PX      2
IFPP-DRY      20120301          PP-DRY3
TO      13          ADD          PP-SUB2  CONT
TO      13          MAX          PP-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFPP-AVG      50176  PP-AVG20120301          PP-AVG
TO      16          MUL          MIDAVG
PX      2
*****SET WET BASE FLOW, *****
IFPP-WET      82022  PP-WET20120301          PP-WET
TO      16          MUL          MIDWET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKPP02      3690  XMONTH20120301          FKPPDPLWP1
TO      6          ADD          BF--PP-DP3
PX      2
WRFKPP03      XMONTH20120301          PPDWIRTRG
TO      2          ADD          BRPP27          CONT
TO      6          DIV          FKPPDPLWP1
PX      2
WRFKPP02      6600  XMONTH20120301          FKPPDPLSP1
TO      6          ADD          BF--PP-DP3
PX      2
WRFKPP04      XMONTH20120301          PPDSPRTRG
TO      2          ADD          BRPP27          CONT
TO      6          DIV          FKPPDPLSP1
PX      2
**
WRFKPP02      5920  XMONTH20120301          FKPPDPULS1
TO      6          ADD          BF--PP-DP3
PX      2

```


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```

**
WRFKPP05      XMONTH20120301      PPDPSUMTRG
TO 2          ADD              BRPP27              CONT
TO 6          DIV              FKPPDPULS1
PX 2
***** SMALL AVERAGE PULSE *****
WRFKPP06      3690 XMONTH20120301      FKPPAPLWP1
TO 6          ADD              BF--PPSAP3
PX 2
WRFKPP07      XMONTH20120301      PPAPWIRTR1
TO 2          ADD              BRPP27              CONT
TO 6          DIV              FKPPAPLWP1
PX 2
WRFKPP06      6600 XMONTH20120301      FKPPAPLSP1
TO 6          ADD              BF--PPSAP3
PX 2
WRFKPP08      XMONTH20120301      PPAPSPRTR1
TO 2          ADD              BRPP27              CONT
TO 6          DIV              FKPPAPLSP1
PX 2
**
WRFKPP06      5920 XMONTH20120301      FKPPAPULS1
TO 6          ADD              BF--PPSAP3
PX 2
**
WRFKPP09      XMONTH20120301      PPAPSUMTR1
TO 2          ADD              BRPP27              CONT
TO 6          DIV              FKPPAPULS1
PX 2
***** LARGE AVERAGE PULSE *****
WRFKPP10      7180 XMONTH20120301      FKPPAPLWP2
TO 6          ADD              BF--PPLAP3
PX 2
WRFKPP11      XMONTH20120301      PPAPWIRTR2
TO 2          ADD              BRPP27              CONT
TO 6          DIV              FKPPAPLWP2
PX 2
WRFKPP10      20200 XMONTH20120301      FKPPAPLSP2
TO 6          ADD              BF--PPLAP3
PX 2
WRFKPP12      XMONTH20120301      PPAPSPRTR2
TO 2          ADD              BRPP27              CONT
TO 6          DIV              FKPPAPLSP2
PX 2
**
WRFKPP10      13000 XMONTH20120301      FKPPAPULS2
TO 6          ADD              BF--PPLAP3
PX 2
**
WRFKPP13      XMONTH20120301      PPAPSUMTR2
TO 2          ADD              BRPP27              CONT
TO 6          DIV              FKPPAPULS2
PX 2
**
***** WET SMALL PULSE*****
WRFKPP14      3690 XMONTH20120301      FKPPWPLWP1
TO 6          ADD              BF--PPSWP3
PX 2
WRFKPP15      XMONTH20120301      PPWPWIRTR1
TO 2          ADD              BRPP27              CONT
TO 6          DIV              FKPPWPLWP1
PX 2
WRFKPP14      6600 XMONTH20120301      FKPPWPLSP1
TO 6          ADD              BF--PPSWP3
PX 2
WRFKPP16      XMONTH20120301      PPWPSRTR1
TO 2          ADD              BRPP27              CONT
TO 6          DIV              FKPPWPLSP1
PX 2
**
WRFKPP14      5920 XMONTH20120301      FKPPWPULS1
TO 6          ADD              BF--PPSWP3
PX 2
**
WRFKPP17      XMONTH20120301      PPWPSUMTR1
TO 2          ADD              BRPP27              CONT
TO 6          DIV              FKPPWPULS1
PX 2
***** WET LARGE PULSE*****
WRFKPP18      7180 XMONTH20120301      FKPPWPLWP2
TO 6          ADD              BF--PPLWP3
PX 2
WRFKPP19      XMONTH20120301      PPWPWIRTR2
TO 2          ADD              BRPP27              CONT

```

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```

TO      6          DIV          FKPPWPLWP2
PX      2
WRFKPP18 20200 XMONTH20120301          FKPPWPLSP2
TO      6          ADD          BF--PPLWP3
PX      2
WRFKPP20          XMONTH20120301          PPWPSRTR2
TO      2          ADD          BRPP27          CONT
TO      6          DIV          FKPPWPLSP2
PX      2
**
WRFKPP18 13000 XMONTH20120301          FKPPWPULS2
TO      6          ADD          BF--PPLWP3
PX      2
**
WRFKPP21          XMONTH20120301          PPWPSUMTR2
TO      2          ADD          BRPP27          CONT
TO      6          DIV          FKPPWPULS2
PX      2
**
    
```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

***** DRY *****

```

IFPPDPUL 3690 XMONTH20120301          PPDPLWP1
TO      6          ADD          BF--PP-DP3
FS      5 FKPP03      1      0      1 9999999 2 1 2 4 11 2
PX      2
IFPPDPUL 3690 XMONTH20120301 3          PPDPLWP2
TO      6          ADD          BF--PP-DP3
FS      5 FKPP03      1      0      1 9999999 2 1 2 0 11 2
PX      2
IFPPDPUL 6600 XMONTH20120301          PPDPLSP1
TO      6          ADD          BF--PP-DP3
FS      5 FKPP04      1      0      1 9999999 2 1 2 4 3 6
PX      2
IFPPDPUL 6600 XMONTH20120301 3          PPDPLSP2
TO      6          ADD          BF--PP-DP3
FS      5 FKPP04      1      0      1 9999999 2 1 2 0 3 6
PX      2
IFPPDPUL 5920 XMONTH20120301          PPDPLSP1
TO      6          ADD          BF--PP-DP3
FS      5 FKPP05      1      0      1 9999999 2 1 2 4 7 10
PX      2
IFPPDPUL 5920 XMONTH20120301 3          PPDPLSP2
TO      6          ADD          BF--PP-DP3
FS      5 FKPP05      1      0      1 9999999 2 1 2 0 7 10
PX      2
    
```

***** AVG SMALL PULSE*****

```

IFPPASPL 3690 XMONTH20120301          PPAPLSW1
TO      6          ADD          BF--PPSAP3
FS      5 FKPP07      1      0      1 9999999 2 1 4 4 11 2
PX      2
IFPPASPL 3690 XMONTH20120301 3          PPAPLSW2
TO      6          ADD          BF--PPSAP3
FS      5 FKPP07      1      0      1 9999999 2 1 4 0 11 2
PX      2
IFPPASPL 6600 XMONTH20120301          PPASPS1
TO      6          ADD          BF--PPSAP3
FS      5 FKPP08      1      0      1 9999999 2 1 4 4 3 6
PX      2
IFPPASPL 6600 XMONTH20120301 3          PPASPS2
TO      6          ADD          BF--PPSAP3
FS      5 FKPP08      1      0      1 9999999 2 1 4 0 3 6
PX      2
IFPPASPL 5920 XMONTH20120301          PPASPLS1
TO      6          ADD          BF--PPSAP3
FS      5 FKPP09      1      0      1 9999999 2 1 4 4 7 10
PX      2
IFPPASPL 5920 XMONTH20120301 3          PPASPLS2
TO      6          ADD          BF--PPSAP3
FS      5 FKPP09      1      0      1 9999999 2 1 4 0 7 10
PX      2
    
```

***** AVG LARGE PULSE*****

```

IFPPALPL 7180 XMONTH20120301          PPAPLLW1
TO      6          ADD          BF--PPLAP3
FS      5 FKPP11      1      0      1 9999999 2 1 2 4 11 2
PX      2
IFPPALPL 7180 XMONTH20120301 3          PPAPLLW2
TO      6          ADD          BF--PPLAP3
FS      5 FKPP11      1      0      1 9999999 2 1 2 0 11 2
PX      2
IFPPALPL 20200 XMONTH20120301          PPALPSP1
TO      6          ADD          BF--PPLAP3
FS      5 FKPP12      1      0      1 9999999 2 1 2 4 3 6
PX      2
IFPPALPL 20200 XMONTH20120301 3          PPALPSP2
    
```

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```

TO      6      ADD      BF--PPLAP3
FS      5      FKPP12    1      0      1 9999999 2 1 2 0 3 6
PX      2
IFPPALPL 13000 XMONTH20120301 PPALPLS1
TO      6      ADD      BF--PPLAP3
FS      5      FKPP13    1      0      1 9999999 2 1 2 4 7 10
PX      2
IFPPALPL 13000 XMONTH20120301 3 PPALPLS2
TO      6      ADD      BF--PPLAP3
FS      5      FKPP13    1      0      1 9999999 2 1 2 0 7 10
PX      2
***** WET SMALL PULSE *****
IFPPWSPL 3690 XMONTH20120301 PPSWPP1
TO      6      ADD      BF--PPSWP3
FS      5      FKPP15    1      0      1 9999999 2 1 4 4 11 2
PX      2
IFPPWSPL 3690 XMONTH20120301 3 PPSWPP2
TO      6      ADD      BF--PPSWP3
FS      5      FKPP15    1      0      1 9999999 2 1 4 0 11 2
PX      2
IFPPWSPL 6600 XMONTH20120301 PPSWPP1
TO      6      ADD      BF--PPSWP3
FS      5      FKPP16    1      0      1 9999999 2 1 4 4 3 6
PX      2
IFPPWSPL 6600 XMONTH20120301 3 PPSWPP2
TO      6      ADD      BF--PPSWP3
FS      5      FKPP16    1      0      1 9999999 2 1 4 0 3 6
PX      2
IFPPWSPL 5920 XMONTH20120301 PPSWPLS1
TO      6      ADD      BF--PPSWP3
FS      5      FKPP17    1      0      1 9999999 2 1 4 4 7 10
PX      2
IFPPWSPL 5920 XMONTH20120301 3 PPSWPLS2
TO      6      ADD      BF--PPSWP3
FS      5      FKPP17    1      0      1 9999999 2 1 4 0 7 10
PX      2
***** WET LARGE PULSE*****
IFPPWLPL 7180 XMONTH20120301 PPLWPP1
TO      6      ADD      BF--PPLWP3
FS      5      FKPP19    1      0      1 9999999 2 1 3 4 11 2
PX      2
IFPPWLPL 7180 XMONTH20120301 3 PPLWPP2
TO      6      ADD      BF--PPLWP3
FS      5      FKPP19    1      0      1 9999999 2 1 3 0 11 2
PX      2
IFPPWLPL 20200 XMONTH20120301 PPLWPP1
TO      6      ADD      BF--PPLWP3
FS      5      FKPP20    1      0      1 9999999 2 1 3 4 3 6
PX      2
IFPPWLPL 20200 XMONTH20120301 3 PPLWPP2
TO      6      ADD      BF--PPLWP3
FS      5      FKPP20    1      0      1 9999999 2 1 3 0 3 6
PX      2
IFPPWLPL 13000 XMONTH20120301 PPLWPLS1
TO      6      ADD      BF--PPLWP3
FS      5      FKPP21    1      0      1 9999999 2 1 3 4 7 10
PX      2
IFPPWLPL 13000 XMONTH20120301 3 PPLWPLS2
TO      6      ADD      BF--PPLWP3
FS      5      FKPP21    1      0      1 9999999 2 1 3 0 7 10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFPPDPUL 20120301 PPDPFIN
TO      13     ADD      PPDPLWP2    CONT
TO      13     ADD      PPDPLSP2    CONT
TO      13     ADD      PPDPLS2     CONT
TO      16     MUL      MIDDRY
PX      2
***** SMALL AVERAGE *****
IFPPASPL 20120301 PPASPFIN
TO      13     ADD      PPAPLSW2    CONT
TO      13     ADD      PPASPS2     CONT
TO      13     ADD      PPASPLS2    CONT
TO      16     MUL      MIDAVG
PX      2
***** LARGE AVERAGE *****
IFPPALPL 20120301 PPALPFIN
TO      13     ADD      PPAPLLW2    CONT
TO      13     ADD      PPALFSP2    CONT
TO      13     ADD      PPALPLS2    CONT
TO      16     MUL      MIDAVG
PX      2
***** SMALL WET*****

```

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```

IFPPWSPL          20120301          PPWSPFIN
TO 13            ADD                PPSWFWP2    CONT
TO 13            ADD                PPSWFSP2    CONT
TO 13            ADD                PPSWPLS2    CONT
TO 16            MUL                MIDWET
PX 2
***** LARGE WET*****
IFPPWLPL          20120301          PPWLPFIN
TO 13            ADD                PPLWFWP2    CONT
TO 13            ADD                PPLWFSP2    CONT
TO 13            ADD                PPLWPLS2    CONT
TO 16            MUL                MIDWET
PX 2
**
**BRAZOS RIVER NEAR GLEN ROSE
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRGR          20120301          1.0000      DMRLBRGR  SB3DUM
TO 2             1.0                BRGR30
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake08          XMONTH20120301                BF--GR-DP1
TO 2             ADD                DAYSPY      CONT
TO 2             SUB                GRDPND
PX 2
WRFake08          XMONTH20120301                BF--GR-DP2
TO 6             ADD                BF--GR-DP1  CONT
TO 2             DIV                DAYSPY
PX 2
WRFake08          30364 GR-DRY20120301                BF--GR-DP3
TO 6             MUL                BF--GR-DP2
PX 2
*****Avg Days SMALL PULSE*****
WRFake08          XMONTH20120301                BF--GRSAP1
TO 2             ADD                DAYSPY      CONT
TO 2             SUB                GRASPD
PX 2
WRFake08          XMONTH20120301                BF--GRSAP2
TO 6             ADD                BF--GRSAP1  CONT
TO 2             DIV                DAYSPY
PX 2
WRFake08          57605 GR-AVG20120301                BF--GRSAP3
TO 6             MUL                BF--GRSAP2
PX 2
*****Avg Days LARGE PULSE*****
WRFake08          XMONTH20120301                BF--GRLAP1
TO 2             ADD                DAYSPY      CONT
TO 2             SUB                GRALPD
PX 2
WRFake08          XMONTH20120301                BF--GRLAP2
TO 6             ADD                BF--GRLAP1  CONT
TO 2             DIV                DAYSPY
PX 2
WRFake08          57605 GR-AVG20120301                BF--GRLAP3
TO 6             MUL                BF--GRLAP2
PX 2
*****WET Days SMALL PULSE*****
WRFake08          XMONTH20120301                BF--GRSWP1
TO 2             ADD                DAYSPY      CONT
TO 2             SUB                GRWSPD
PX 2
WRFake08          XMONTH20120301                BF--GRSWP2
TO 6             ADD                BF--GRSWP1  CONT
TO 2             DIV                DAYSPY
PX 2
WRFake08          118127 GR-WET20120301                BF--GRSWP3
TO 6             MUL                BF--GRSWP2
PX 2
*****WET Days LARGE PULSE*****
WRFake08          XMONTH20120301                BF--GRLWP1
TO 2             ADD                DAYSPY      CONT
TO 2             SUB                GRWLPD
PX 2
WRFake08          XMONTH20120301                BF--GRLWP2
TO 6             ADD                BF--GRLWP1  CONT
TO 2             DIV                DAYSPY
PX 2
WRFake08          118127 GR-WET20120301                BF--GRLWP3
TO 6             MUL                BF--GRLWP2
PX 2
    
```

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```

*****set subsistence flow*****
IFGRSUBS 11571 GR-SUB20120301 GR-SUB1
TO 16 MUL MIDDRY
PX 2
*****SET DRY BASE FLOW, *****
IFGR-DRY 30364 GR-DRY20120301 GR-DRY1
TO 16 MUL MIDDRY
PX 2
WRGRNOSB 1 XMONTH20120301 GRNOSUB2
FS 12 MIDDRY 0 1 1 9999999 1
PX 2
WRFKGR01 20120301 HOLDGRBASE
TO 13 ADD GR-DRY1
PX 2
WRFKGR02 20120301 GRONOFF
TO 2 ADD BRGR30 CONT
TO 6 DIV HOLDGRBASE CONT
TO 6 ADD GRNOSUB2
PX 2
IFGR-DRY 20120301 GR-DRY2
TO 13 ADD GR-DRY1
FS 5 FKGR02 1 0 1 9999999 1
PX 2
IFGRSUBS GR-SUB20120301 2 GR-SUB2
TO 2 ADD BRGR30 CONT
TO 13 SUB GR-SUB1 CONT
TO 2 DIV HALF CONT
TO 13 ADD GR-SUB1
FS 5 FKGR02 0 1 1 9999999 1
PX 2
IFGR-DRY 20120301 GR-DRY3
TO 13 ADD GR-SUB2 CONT
TO 13 MAX GR-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFGR-AVG 57605 GR-AVG20120301 GR-AVG
TO 16 MUL MIDAVG
PX 2
*****SET WET BASE FLOW, *****
IFGR-WET 118127 GR-WET20120301 GR-WET
TO 16 MUL MIDWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKGR02 5400 XMONTH20120301 FKGRDPLWP1
TO 6 ADD BF--GR-DP3
PX 2
WRFKGR03 XMONTH20120301 GRDPWIRTRG
TO 2 ADD BRGR30 CONT
TO 6 DIV FKGRDPLWP1
PX 2
WRFKGR02 14300 XMONTH20120301 FKGRDPLSP1
TO 6 ADD BF--GR-DP3
PX 2
WRFKGR04 XMONTH20120301 GRDPSPRTRG
TO 2 ADD BRGR30 CONT
TO 6 DIV FKGRDPLSP1
PX 2
**
WRFKGR02 7830 XMONTH20120301 FKGRDPULS1
TO 6 ADD BF--GR-DP3
PX 2
**
WRFKGR05 XMONTH20120301 GRDPSUMTRG
TO 2 ADD BRGR30 CONT
TO 6 DIV FKGRDPULS1
PX 2
***** SMALL AVERAGE PULSE *****
WRFKGR06 5400 XMONTH20120301 FKGRAPLWP1
TO 6 ADD BF--GRSAP3
PX 2
WRFKGR07 XMONTH20120301 GRAPWIRTR1
TO 2 ADD BRGR30 CONT
TO 6 DIV FKGRAPLWP1
PX 2
WRFKGR06 14300 XMONTH20120301 FKGRAPLSP1
TO 6 ADD BF--GRSAP3
PX 2
WRFKGR08 XMONTH20120301 GRAPSPRTR1
TO 2 ADD BRGR30 CONT
TO 6 DIV FKGRAPLSP1
PX 2
**
    
```

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```

WRFKGR06      7830  XMONTH20120301                FKGRAPULS1
TO      6          ADD                      BF--GRSAP3
PX      2
**
WRFKGR09      XMONTH20120301                GRAPSUMTR1
TO      2          ADD                      BRGR30          CONT
TO      6          DIV                      FKGRAPULS1
PX      2
***** LARGE AVERAGE PULSE *****
WRFKGR10     10800 XMONTH20120301                FKGRAPLWP2
TO      6          ADD                      BF--GRLAP3
PX      2
WRFKGR11      XMONTH20120301                GRAPWIRTR2
TO      2          ADD                      BRGR30          CONT
TO      6          DIV                      FKGRAPLWP2
PX      2
WRFKGR10     46700 XMONTH20120301                FKGRAPLSP2
TO      6          ADD                      BF--GRLAP3
PX      2
WRFKGR12      XMONTH20120301                GRAPSPRTR2
TO      2          ADD                      BRGR30          CONT
TO      6          DIV                      FKGRAPLSP2
PX      2
**
WRFKGR10     21200 XMONTH20120301                FKGRAPULS2
TO      6          ADD                      BF--GRLAP3
PX      2
**
WRFKGR13      XMONTH20120301                GRAPSUMTR2
TO      2          ADD                      BRGR30          CONT
TO      6          DIV                      FKGRAPULS2
PX      2
**
***** WET SMALL PULSE*****
WRFKGR14      5400  XMONTH20120301                FKGRWPLWP1
TO      6          ADD                      BF--GRSWP3
PX      2
WRFKGR15      XMONTH20120301                GRWPWIRTR1
TO      2          ADD                      BRGR30          CONT
TO      6          DIV                      FKGRWPLWP1
PX      2
WRFKGR14     14300 XMONTH20120301                FKGRWPLSP1
TO      6          ADD                      BF--GRSWP3
PX      2
WRFKGR16      XMONTH20120301                GRWPSRTR1
TO      2          ADD                      BRGR30          CONT
TO      6          DIV                      FKGRWPLSP1
PX      2
**
WRFKGR14      7830  XMONTH20120301                FKGRWPULS1
TO      6          ADD                      BF--GRSWP3
PX      2
**
WRFKGR17      XMONTH20120301                GRWPSUMTR1
TO      2          ADD                      BRGR30          CONT
TO      6          DIV                      FKGRWPULS1
PX      2
***** WET LARGE PULSE*****
WRFKGR18     10800 XMONTH20120301                FKGRWPLWP2
TO      6          ADD                      BF--GRLWP3
PX      2
WRFKGR19      XMONTH20120301                GRWPWIRTR2
TO      2          ADD                      BRGR30          CONT
TO      6          DIV                      FKGRWPLWP2
PX      2
WRFKGR18     46700 XMONTH20120301                FKGRWPLSP2
TO      6          ADD                      BF--GRLWP3
PX      2
WRFKGR20      XMONTH20120301                GRWPSRTR2
TO      2          ADD                      BRGR30          CONT
TO      6          DIV                      FKGRWPLSP2
PX      2
**
WRFKGR18     21200 XMONTH20120301                FKGRWPULS2
TO      6          ADD                      BF--GRLWP3
PX      2
**
WRFKGR21      XMONTH20120301                GRWPSUMTR2
TO      2          ADD                      BRGR30          CONT
TO      6          DIV                      FKGRWPULS2
PX      2
**

```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
 ***** DRY *****

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IFGRDPUL	5400	XMONTH20120301											GRDPLWP1
TO	6	ADD											BF--GR-DP3
FS	5	FKGR03	1	0	1	9999999	2	1	2	4	11	2	
PX	2												
IFGRDPUL	5400	XMONTH20120301	3										GRDPLWP2
TO	6	ADD											BF--GR-DP3
FS	5	FKGR03	1	0	1	9999999	2	1	2	0	11	2	
PX	2												
IFGRDPUL	14300	XMONTH20120301											GRDPLSP1
TO	6	ADD											BF--GR-DP3
FS	5	FKGR04	1	0	1	9999999	2	1	2	4	3	6	
PX	2												
IFGRDPUL	14300	XMONTH20120301	3										GRDPLSP2
TO	6	ADD											BF--GR-DP3
FS	5	FKGR04	1	0	1	9999999	2	1	2	0	3	6	
PX	2												
IFGRDPUL	7830	XMONTH20120301											GRDPULS1
TO	6	ADD											BF--GR-DP3
FS	5	FKGR05	1	0	1	9999999	2	1	2	4	7	10	
PX	2												
IFGRDPUL	7830	XMONTH20120301	3										GRDPULS2
TO	6	ADD											BF--GR-DP3
FS	5	FKGR05	1	0	1	9999999	2	1	2	0	7	10	
PX	2												
***** AVG SMALL PULSE*****													
IFGRASPL	5400	XMONTH20120301											GRAPLSW1
TO	6	ADD											BF--GRSAP3
FS	5	FKGR07	1	0	1	9999999	2	1	4	4	11	2	
PX	2												
IFGRASPL	5400	XMONTH20120301	3										GRAPLSW2
TO	6	ADD											BF--GRSAP3
FS	5	FKGR07	1	0	1	9999999	2	1	4	0	11	2	
PX	2												
IFGRASPL	14300	XMONTH20120301											GRASPS1
TO	6	ADD											BF--GRSAP3
FS	5	FKGR08	1	0	1	9999999	2	1	4	4	3	6	
PX	2												
IFGRASPL	14300	XMONTH20120301	3										GRASPS2
TO	6	ADD											BF--GRSAP3
FS	5	FKGR08	1	0	1	9999999	2	1	4	0	3	6	
PX	2												
IFGRASPL	7830	XMONTH20120301											GRASPLS1
TO	6	ADD											BF--GRSAP3
FS	5	FKGR09	1	0	1	9999999	2	1	4	4	7	10	
PX	2												
IFGRASPL	7830	XMONTH20120301	3										GRASPLS2
TO	6	ADD											BF--GRSAP3
FS	5	FKGR09	1	0	1	9999999	2	1	4	0	7	10	
PX	2												
***** AVG LARGE PULSE*****													
IFGRALPL	10800	XMONTH20120301											GRAPLLW1
TO	6	ADD											BF--GRLAP3
FS	5	FKGR11	1	0	1	9999999	2	1	2	4	11	2	
PX	2												
IFGRALPL	10800	XMONTH20120301	3										GRAPLLW2
TO	6	ADD											BF--GRLAP3
FS	5	FKGR11	1	0	1	9999999	2	1	2	0	11	2	
PX	2												
IFGRALPL	46700	XMONTH20120301											GRALPSP1
TO	6	ADD											BF--GRLAP3
FS	5	FKGR12	1	0	1	9999999	2	1	2	4	3	6	
PX	2												
IFGRALPL	46700	XMONTH20120301	3										GRALPSP2
TO	6	ADD											BF--GRLAP3
FS	5	FKGR12	1	0	1	9999999	2	1	2	0	3	6	
PX	2												
IFGRALPL	21200	XMONTH20120301											GRALPLS1
TO	6	ADD											BF--GRLAP3
FS	5	FKGR13	1	0	1	9999999	2	1	2	4	7	10	
PX	2												
IFGRALPL	21200	XMONTH20120301	3										GRALPLS2
TO	6	ADD											BF--GRLAP3
FS	5	FKGR13	1	0	1	9999999	2	1	2	0	7	10	
PX	2												
***** WET SMALL PULSE*****													
IFGRWSPL	5400	XMONTH20120301											GRSWPWP1
TO	6	ADD											BF--GRSWP3
FS	5	FKGR15	1	0	1	9999999	2	1	4	4	11	2	
PX	2												
IFGRWSPL	5400	XMONTH20120301	3										GRSWPWP2
TO	6	ADD											BF--GRSWP3
FS	5	FKGR15	1	0	1	9999999	2	1	4	0	11	2	
PX	2												
IFGRWSPL	14300	XMONTH20120301											GRSWPSP1

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TO      6          ADD
FS      5  FKGR16      1      0      1 9999999  2  1  4  4  3  6
PX      2
IFGRWSPL 14300  XMONTH20120301  3          GRSWPSP2
TO      6          ADD
FS      5  FKGR16      1      0      1 9999999  2  1  4  0  3  6
PX      2
IFGRWSPL  7830  XMONTH20120301          GRSWPLS1
TO      6          ADD
FS      5  FKGR17      1      0      1 9999999  2  1  4  4  7 10
PX      2
IFGRWSPL  7830  XMONTH20120301  3          GRSWPLS2
TO      6          ADD
FS      5  FKGR17      1      0      1 9999999  2  1  4  0  7 10
PX      2
***** WET LARGE PULSE*****
IFGRWLPL 10800  XMONTH20120301          GRLWPWP1
TO      6          ADD
FS      5  FKGR19      1      0      1 9999999  2  1  3  4 11  2
PX      2
IFGRWLPL 10800  XMONTH20120301  3          GRLWPWP2
TO      6          ADD
FS      5  FKGR19      1      0      1 9999999  2  1  3  0 11  2
PX      2
IFGRWLPL 46700  XMONTH20120301          GRLWPSP1
TO      6          ADD
FS      5  FKGR20      1      0      1 9999999  2  1  3  4  3  6
PX      2
IFGRWLPL 46700  XMONTH20120301  3          GRLWPSP2
TO      6          ADD
FS      5  FKGR20      1      0      1 9999999  2  1  3  0  3  6
PX      2
IFGRWLPL 21200  XMONTH20120301          GRLWPLS1
TO      6          ADD
FS      5  FKGR21      1      0      1 9999999  2  1  3  4  7 10
PX      2
IFGRWLPL 21200  XMONTH20120301  3          GRLWPLS2
TO      6          ADD
FS      5  FKGR21      1      0      1 9999999  2  1  3  0  7 10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFGRDPUL          20120301          GRDPFIN
TO      13          ADD          GRDPLWP2  CONT
TO      13          ADD          GRDPLSP2  CONT
TO      13          ADD          GRDPULS2  CONT
TO      16          MUL          MIDDRY
PX      2
***** SMALL AVERAGE *****
IFGRASPL          20120301          GRASPFIN
TO      13          ADD          GRAPLSW2  CONT
TO      13          ADD          GRASPSP2  CONT
TO      13          ADD          GRASPLS2  CONT
TO      16          MUL          MIDAVG
PX      2
***** LARGE AVERAGE *****
IFGRALPL          20120301          GRALPFIN
TO      13          ADD          GRAPLLW2  CONT
TO      13          ADD          GRALPSP2  CONT
TO      13          ADD          GRALPLS2  CONT
TO      16          MUL          MIDAVG
PX      2
***** SMALL WET*****
IFGRWSPL          20120301          GRWSPFIN
TO      13          ADD          GRSWPWP2  CONT
TO      13          ADD          GRSWPSP2  CONT
TO      13          ADD          GRSWPLS2  CONT
TO      16          MUL          MIDWET
PX      2
***** LARGE WET*****
IFGRWLPL          20120301          GRWLPFIN
TO      13          ADD          GRLWPWP2  CONT
TO      13          ADD          GRLWPSP2  CONT
TO      13          ADD          GRLWPLS2  CONT
TO      16          MUL          MIDWET
PX      2
**
** NORTH BOSQUE NEAR CLIFTON
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMNBCL          20120301          NBCL36          DMRLNBCL  SB3DUM
TO      2          ADD
PX      2
** FNI Change end

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**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake09      XMONTH20120301      BF--NB-DP1
TO 2          ADD                      CONT
TO 2          SUB                      NBDFND
PX 2
WRFake09      XMONTH20120301      BF--NB-DP2
TO 6          ADD                      BF--NB-DP1  CONT
TO 2          DIV                      DAYSPY
PX 2
WRFake09      3612  NB-DRY20120301      BF--NB-DP3
TO 6          MUL                      BF--NB-DP2
PX 2
*****Avg Days*****
WRFake09      XMONTH20120301      BF--NB-AP1
TO 2          ADD                      CONT
TO 2          SUB                      NBAPND
PX 2
WRFake09      XMONTH20120301      BF--NB-AP2
TO 6          ADD                      BF--NB-AP1  CONT
TO 2          DIV                      DAYSPY
PX 2
WRFake09      8670  NB-AVG20120301      BF--NB-AP3
TO 6          MUL                      BF--NB-AP2
PX 2
*****WET Days*****
WRFake09      XMONTH20120301      BF--NB-WP1
TO 2          ADD                      CONT
TO 2          SUB                      NBWFND
PX 2
WRFake09      XMONTH20120301      BF--NB-WP2
TO 6          ADD                      BF--NB-WP1  CONT
TO 2          DIV                      DAYSPY
PX 2
WRFake09      18064 NB-WET20120301      BF--NB-WP3
TO 6          MUL                      BF--NB-WP2
PX 2
*****set subsistence flow*****
IFNBSUBS      723  NB-SUB20120301      NB-SUB1
TO 16         MUL                      LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFNB-DRY      3612  NB-DRY20120301      NB-DRY1
TO 16         MUL                      LOWDRY
PX 2
WRNBNSOB      1  XMONTH20120301      NBNSUB2
FS 12  LOWDRY      0  1  1  9999999  1
PX 2
WRFKNB01      20120301      HOLDNBBASE
TO 13         ADD                      NB-DRY1
PX 2
WRFKNB02      20120301      NBONOFF
TO 2          ADD                      NBCL36  CONT
TO 6          DIV                      HOLDNBBASE  CONT
TO 6          ADD                      NBNSUB2
PX 2
IFNB-DRY      20120301      NB-DRY2
TO 13         ADD                      NB-DRY1
FS 5  FKNB02      1  0  1  9999999  1
PX 2
IFNBSUBS      NB-SUB20120301  2  NB-SUB2
TO 2          ADD                      NBCL36  CONT
TO 13         SUB                      NB-SUB1  CONT
TO 2          DIV                      HALF    CONT
TO 13         ADD                      NB-SUB1
FS 5  FKNB02      0  1  1  9999999  1
PX 2
IFNB-DRY      20120301      NB-DRY3
TO 13         ADD                      NB-SUB2  CONT
TO 13         MAX                      NB-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFNB-AVG      8670  NB-AVG20120301      NB-AVG
TO 16         MUL                      LOWAVG
PX 2
*****SET WET BASE FLOW, *****
IFNB-WET      18064 NB-WET20120301      NB-WET
TO 16         MUL                      LOWWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****

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WRFKNB02 3490 XMONTH20120301 FKNBDPLSP1
 TO 6 ADD BF--NB-DP3
 PX 2
 WRFKNB03 XMONTH20120301 NBDPSPRTRG
 TO 2 ADD NBCL36 CONT
 TO 6 DIV FKNBDPLSP1
 PX 2
 **

***** AVG *****
 WRFKNB04 3490 XMONTH20120301 FKNBAPLSP1
 TO 6 ADD BF--NB-AP3
 PX 2
 WRFKNB05 XMONTH20120301 NBAPSPRTRG
 TO 2 ADD NBCL36 CONT
 TO 6 DIV FKNBAPLSP1
 PX 2
 **

***** WET *****
 WRFKNB06 750 XMONTH20120301 FKNBWPULW1
 TO 6 ADD BF--NB-WP3
 PX 2
 WRFKNB07 XMONTH20120301 NBWPWIRTRG
 TO 2 ADD NBCL36 CONT
 TO 6 DIV FKNBWPULW1
 PX 2
 **

WRFKNB06 3490 XMONTH20120301 FKNBWPLSP1
 TO 6 ADD BF--NB-WP3
 PX 2
 WRFKNB08 XMONTH20120301 NBWPSRTRG
 TO 2 ADD NBCL36 CONT
 TO 6 DIV FKNBWPLSP1
 PX 2
 **

WRFKNB06 500 XMONTH20120301 FKNBWPULS1
 TO 6 ADD BF--NB-WP3
 PX 2
 **
 WRFKNB09 XMONTH20120301 NBWPSUMTRG
 TO 2 ADD NBCL36 CONT
 TO 6 DIV FKNBWPULS1
 PX 2
 **

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

***** DRY *****

IFNBDPUL 3490 XMONTH20120301 NBDPLSP1
 TO 6 ADD BF--NB-DP3
 FS 5 FKNB03 1 0 1 9999999 2 1 1 4 3 6
 PX 2
 IFNBDPUL 3490 XMONTH20120301 3 NBDPLSP2
 TO 6 ADD BF--NB-DP3
 FS 5 FKNB03 1 0 1 9999999 2 1 1 0 3 6
 PX 2

***** AVG *****

IFNBAPUL 3490 XMONTH20120301 NBAPLSP1
 TO 6 ADD BF--NB-AP3
 FS 5 FKNB05 1 0 1 9999999 2 1 3 4 3 6
 PX 2
 IFNBAPUL 3490 XMONTH20120301 3 NBAPLSP2
 TO 6 ADD BF--NB-AP3
 FS 5 FKNB05 1 0 1 9999999 2 1 3 0 3 6
 PX 2

***** WET *****

IFNBWPUL 750 XMONTH20120301 NBWPULW1
 TO 6 ADD BF--NB-WP3
 FS 5 FKNB07 1 0 1 9999999 2 1 2 4 11 2
 PX 2
 IFNBWPUL 750 XMONTH20120301 3 NBWPULW2
 TO 6 ADD BF--NB-WP3
 FS 5 FKNB07 1 0 1 9999999 2 1 2 0 11 2
 PX 2
 IFNBWPUL 3490 XMONTH20120301 NBWPLSP1
 TO 6 ADD BF--NB-WP3
 FS 5 FKNB08 1 0 1 9999999 2 1 3 4 3 6
 PX 2
 IFNBWPUL 3490 XMONTH20120301 3 NBWPLSP2
 TO 6 ADD BF--NB-WP3
 FS 5 FKNB08 1 0 1 9999999 2 1 3 0 3 6
 PX 2
 IFNBWPUL 500 XMONTH20120301 NBWPULS1
 TO 6 ADD BF--NB-WP3
 FS 5 FKNB09 1 0 1 9999999 2 1 2 4 7 10
 PX 2

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IFNBWPUL      500  XMONTH20120301  3                NBWPULS2
TO      6                ADD                BF--NB-WP3
FS      5  FKNB09      1      0      1 9999999  2  1  2  0  7  10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFNBDFUL      20120301                NBDPFIN
TO      13                ADD                NBDPLSP2  CONT
TO      16                MUL                LOWDRY
PX      2
***** AVG *****
IFNBAPUL      20120301                NBAPFIN
TO      13                ADD                NBAPLSP2  CONT
TO      16                MUL                LOWAVG
PX      2
***** WET *****
IFNBWPUL      20120301                NBWPFIN
TO      13                ADD                NBWPULW2  CONT
TO      13                ADD                NBWPLSP2  CONT
TO      13                ADD                NBWPULS2  CONT
TO      16                MUL                LOWWET
PX      2
**
**BRAZOS RIVER NEAR WACO
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRWA      20120301      1.0000                DMRLBRWA  SB3DUM
TO      2      1.0                BRWA41
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE10      XMONTH20120301                BF--WA-DP1
TO      2                ADD                DAYSPY                CONT
TO      2                SUB                WADPND
PX      2
WRFAKE10      XMONTH20120301                BF--WA-DP2
TO      6                ADD                BF--WA-DP1  CONT
TO      2                DIV                DAYSPY
PX      2
WRFAKE10      98901  WA-DRY20120301                BF--WA-DP3
TO      6                MUL                BF--WA-DP2
PX      2
*****Avg PULSE DAYS*****
WRFAKE10      XMONTH20120301                BF--WASAP1
TO      2                ADD                DAYSPY                CONT
TO      2                SUB                WAASPD
PX      2
WRFAKE10      XMONTH20120301                BF--WASAP2
TO      6                ADD                BF--WASAP1  CONT
TO      2                DIV                DAYSPY
PX      2
WRFAKE10      176106  WA-AVG20120301                BF--WASAP3
TO      6                MUL                BF--WASAP2
PX      2
*****WET PULSE DAYS*****
WRFAKE10      XMONTH20120301                BF--WASWP1
TO      2                ADD                DAYSPY                CONT
TO      2                SUB                WAWSPD
PX      2
WRFAKE10      XMONTH20120301                BF--WASWP2
TO      6                ADD                BF--WASWP1  CONT
TO      2                DIV                DAYSPY
PX      2
WRFAKE10      424651  WA-WET20120301                BF--WASWP3
TO      6                MUL                BF--WASWP2
PX      2
*****set subsistence flow*****
IFWASUBS      40499  WA-SUB20120301                WA-SUB1
TO      16                MUL                LOWDRY
PX      2
*****SET DRY BASE FLOW, *****
IFWA-DRY      98901  WA-DRY20120301                WA-DRY1
TO      16                MUL                LOWDRY
PX      2
WRWANOSB      1  XMONTH20120301                WANOSUB2
FS      12  LOWDRY      0      1      1 9999999  1
PX      2
WRFKWA01      20120301                HOLDWABASE
TO      13                ADD                WA-DRY1
PX      2
WRFKWA02      20120301                WAONOFF
    
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TO      2      ADD      BRWA41      CONT
TO      6      DIV      HOLDWBASE  CONT
TO      6      ADD      WANOSUB2
PX      2
IFWA-DRY      20120301      WA-DRY2
TO      13     ADD      WA-DRY1
FS      5     FKWA02      1      0      1 9999999  1
PX      2
IFWASUBS      WA-SUB20120301  2      WA-SUB2
TO      2      ADD      BRWA41      CONT
TO      13     SUB      WA-SUB1      CONT
TO      2      DIV      HALF      CONT
TO      13     ADD      WA-SUB1
FS      5     FKWA02      0      1      1 9999999  1
PX      2
IFWA-DRY      20120301      WA-DRY3
TO      13     ADD      WA-SUB2      CONT
TO      13     MAX      WA-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFWA-AVG 176106 WA-AVG20120301      WA-AVG
TO      16     MUL      LOWAVG
PX      2
*****SET WET BASE FLOW, *****
IFWA-WET 424651 WA-WET20120301      WA-WET
TO      16     MUL      LOWWET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKWA02 12400 XMONTH20120301      FKWADPLWP1
TO      6      ADD      BF--WA-DP3
PX      2
WRFKWA03      XMONTH20120301      WADPWIRTRG
TO      2      ADD      BRWA41      CONT
TO      6      DIV      FKWADPLWP1
PX      2
WRFKWA02 32700 XMONTH20120301      FKWADPLSP1
TO      6      ADD      BF--WA-DP3
PX      2
WRFKWA04      XMONTH20120301      WADPSPRTRG
TO      2      ADD      BRWA41      CONT
TO      6      DIV      FKWADPLSP1
PX      2
**
WRFKWA02 10500 XMONTH20120301      FKWADPULS1
TO      6      ADD      BF--WA-DP3
PX      2
**
WRFKWA05      XMONTH20120301      WADPSPRTRG
TO      2      ADD      BRWA41      CONT
TO      6      DIV      FKWADPULS1
PX      2
***** AVERAGE PULSE *****
WRFKWA06 12400 XMONTH20120301      FKWAAPLWP1
TO      6      ADD      BF--WASAP3
PX      2
WRFKWA07      XMONTH20120301      WAAPWIRTR1
TO      2      ADD      BRWA41      CONT
TO      6      DIV      FKWAAPLWP1
PX      2
WRFKWA06 32700 XMONTH20120301      FKWAAPLSP1
TO      6      ADD      BF--WASAP3
PX      2
WRFKWA08      XMONTH20120301      WAAPSPRTR2
TO      2      ADD      BRWA41      CONT
TO      6      DIV      FKWAAPLSP1
PX      2
**
WRFKWA06 10500 XMONTH20120301      FKWAAPULS1
TO      6      ADD      BF--WASAP3
PX      2
**
WRFKWA09      XMONTH20120301      WAAPSUMTR1
TO      2      ADD      BRWA41      CONT
TO      6      DIV      FKWAAPULS1
PX      2
***** WET PULSE*****
WRFKWA10 25700 XMONTH20120301      FKWAWPLWP1
TO      6      ADD      BF--WASWP3
PX      2
WRFKWA11      XMONTH20120301      WAWPWIRTR1
TO      2      ADD      BRWA41      CONT
TO      6      DIV      FKWAWPLWP1
    
```

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PX      2
WRFKWA10 102000 XMONTH20120301          FKWAWPLSP1
TO      6          ADD                    BF--WASWP3
PX      2
WRFKWA12          XMONTH20120301          WAWPSPRTR1
TO      2          ADD                    BRWA41          CONT
TO      6          DIV                    FKWAWPLSP1
PX      2
**
WRFKWA10 26400  XMONTH20120301          FKWAWPULS1
TO      6          ADD                    BF--WASWP3
PX      2
**
WRFKWA13          XMONTH20120301          WAWPSUMTR1
TO      2          ADD                    BRWA41          CONT
TO      6          DIV                    FKWAWPULS1
PX      2
**
    
```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

```

***** DRY *****
IFWADPUL 12400 XMONTH20120301          WADPLWP1
TO      6          ADD                    BF--WA-DP3
FS      5  FKWA03      1      0      1 9999999 2 1 1 4 11 2
PX      2
IFWADPUL 12400 XMONTH20120301 3          WADPLWP2
TO      6          ADD                    BF--WA-DP3
FS      5  FKWA03      1      0      1 9999999 2 1 1 0 11 2
PX      2
IFWADPUL 32700 XMONTH20120301          WADPLSP1
TO      6          ADD                    BF--WA-DP3
FS      5  FKWA04      1      0      1 9999999 2 1 1 4 3 6
PX      2
IFWADPUL 32700 XMONTH20120301 3          WADPLSP2
TO      6          ADD                    BF--WA-DP3
FS      5  FKWA04      1      0      1 9999999 2 1 1 0 3 6
PX      2
IFWADPUL 10500 XMONTH20120301          WADPULS1
TO      6          ADD                    BF--WA-DP3
FS      5  FKWA05      1      0      1 9999999 2 1 1 4 7 10
PX      2
IFWADPUL 10500 XMONTH20120301 3          WADPULS2
TO      6          ADD                    BF--WA-DP3
FS      5  FKWA05      1      0      1 9999999 2 1 1 0 7 10
PX      2
***** AVG PULSE*****
IFWAASPL 12400 XMONTH20120301          WAAPLSW1
TO      6          ADD                    BF--WASAP3
FS      5  FKWA07      1      0      1 9999999 2 1 3 4 11 2
PX      2
IFWAASPL 12400 XMONTH20120301 3          WAAPLSW2
TO      6          ADD                    BF--WASAP3
FS      5  FKWA07      1      0      1 9999999 2 1 3 0 11 2
PX      2
IFWAASPL 32700 XMONTH20120301          WAASPS1
TO      6          ADD                    BF--WASAP3
FS      5  FKWA08      1      0      1 9999999 2 1 3 4 3 6
PX      2
IFWAASPL 32700 XMONTH20120301 3          WAASPS2
TO      6          ADD                    BF--WASAP3
FS      5  FKWA08      1      0      1 9999999 2 1 3 0 3 6
PX      2
IFWAASPL 10500 XMONTH20120301          WAASPLS1
TO      6          ADD                    BF--WASAP3
FS      5  FKWA09      1      0      1 9999999 2 1 3 4 7 10
PX      2
IFWAASPL 10500 XMONTH20120301 3          WAASPLS2
TO      6          ADD                    BF--WASAP3
FS      5  FKWA09      1      0      1 9999999 2 1 3 0 7 10
PX      2
***** WET PULSE *****
IFWAWSPUL 25700 XMONTH20120301          WASWPWP1
TO      6          ADD                    BF--WASWP3
FS      5  FKWA11      1      0      1 9999999 2 1 2 4 11 2
PX      2
IFWAWSPUL 25700 XMONTH20120301 3          WASWPWP2
TO      6          ADD                    BF--WASWP3
FS      5  FKWA11      1      0      1 9999999 2 1 2 0 11 2
PX      2
IFWAWSPUL 102000 XMONTH20120301          WASWPSP1
TO      6          ADD                    BF--WASWP3
FS      5  FKWA12      1      0      1 9999999 2 1 2 4 3 6
PX      2
IFWAWSPUL 102000 XMONTH20120301 3          WASWPSP2
TO      6          ADD                    BF--WASWP3
    
```

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```

FS 5 FKWA12 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFWAWSP 26400 XMONTH20120301 WASWPLS1
TO 6 ADD BF--WASWP3
FS 5 FKWA13 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFWAWSP 26400 XMONTH20120301 3 WASWPLS2
TO 6 ADD BF--WASWP3
FS 5 FKWA13 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFWADPUL 20120301 WADPFIN
TO 13 ADD WADPLWP2 CONT
TO 13 ADD WADPLSP2 CONT
TO 13 ADD WADPULS2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVERAGE *****
IFWAASPL 20120301 WAASPFIN
TO 13 ADD WAAPLSW2 CONT
TO 13 ADD WAASPSP2 CONT
TO 13 ADD WAASPLS2 CONT
TO 16 MUL LOWAVG
PX 2
***** WET *****
IFWAWSP 20120301 WAWSPFIN
TO 13 ADD WASWPWP2 CONT
TO 13 ADD WASWPSP2 CONT
TO 13 ADD WASWPLS2 CONT
TO 16 MUL LOWWET
PX 2
**
** LEON RIVER AT GATESVILLE
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMLEGT 20120301 1.0000 DMRLEGT SB3DUM
TO 2 1.0 LEGT47
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake11 XMONTH20120301 BF--GT-DP1
TO 2 ADD DAYSPY CONT
TO 2 SUB GTDPND
PX 2
WRFake11 XMONTH20120301 BF--GT-DP2
TO 6 ADD BF--GT-DP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake11 5533 GT-DRY20120301 BF--GT-DP3
TO 6 MUL BF--GT-DP2
PX 2
*****Avg PULSE DAYS*****
WRFake11 XMONTH20120301 BF--GTSAP1
TO 2 ADD DAYSPY CONT
TO 2 SUB GTASPD
PX 2
WRFake11 XMONTH20120301 BF--GTSAP2
TO 6 ADD BF--GTSAP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake11 13482 GT-AVG20120301 BF--GTSAP3
TO 6 MUL BF--GTSAP2
PX 2
*****WET PULSE DAYS*****
WRFake11 XMONTH20120301 BF--GTSWP1
TO 2 ADD DAYSPY CONT
TO 2 SUB GTWSPD
PX 2
WRFake11 XMONTH20120301 BF--GTSWP2
TO 6 ADD BF--GTSWP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFake11 32001 GT-WET20120301 BF--GTSWP3
TO 6 MUL BF--GTSWP2
PX 2
*****set subsistence flow*****
IFGTSUBS 723 GT-SUB20120301 GT-SUB1
TO 16 MUL LOWDRY
PX 2
*****SET DRY BASE FLOW, *****

```

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```

IFGT-DRY      5533  GT-DRY20120301          GT-DRY1
TO 16          MUL                      LOWDRY
PX 2
WRGTNOSB      1  XMONTH20120301          GTNOSUB2
FS 12  LOWDRY  0      1      1 9999999  1
PX 2
WRFKGT01      20120301          HOLDGTBASE
TO 13          ADD                      GT-DRY1
PX 2
WRFKGT02      20120301          GTONOFF
TO 2           ADD                      LEGT47          CONT
TO 6           DIV                      HOLDGTBASE          CONT
TO 6           ADD                      GTNOSUB2
PX 2
IFGT-DRY      20120301          GT-DRY2
TO 13          ADD                      GT-DRY1
FS 5   FKGT02  1      0      1 9999999  1
PX 2
IFGTSUBS      GT-SUB20120301  2          GT-SUB2
TO 2           ADD                      LEGT47          CONT
TO 13          SUB                      GT-SUB1          CONT
TO 2           DIV                      HALF           CONT
TO 13          ADD                      GT-SUB1
FS 5   FKGT02  0      1      1 9999999  1
PX 2
IFGT-DRY      20120301          GT-DRY3
TO 13          ADD                      GT-SUB2          CONT
TO 13          MAX                      GT-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFGT-AVG      13482  GT-AVG20120301          GT-AVG
TO 16          MUL                      LOWAVG
PX 2
*****SET WET BASE FLOW, *****
IFGT-WET      32001  GT-WET20120301          GT-WET
TO 16          MUL                      LOWWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKGT02      0  XMONTH20120301          FKGTDP LWP1
TO 6           ADD                      BF--GT-DP3
PX 2
WRFKGT03      XMONTH20120301          GTDPWIRTRG
TO 2           ADD                      LEGT47          CONT
TO 6           DIV                      FKGTDP LWP1
PX 2
WRFKGT02      1910  XMONTH20120301          FKGTDP LSP1
TO 6           ADD                      BF--GT-DP3
PX 2
WRFKGT04      XMONTH20120301          GTDPSPRTRG
TO 2           ADD                      LEGT47          CONT
TO 6           DIV                      FKGTDP LSP1
PX 2
**
WRFKGT02      220  XMONTH20120301          FKGTDP PULS1
TO 6           ADD                      BF--GT-DP3
PX 2
**
WRFKGT05      XMONTH20120301          GTDPSUMTRG
TO 2           ADD                      LEGT47          CONT
TO 6           DIV                      FKGTDP PULS1
PX 2
***** AVERAGE PULSE *****
WRFKGT06      0  XMONTH20120301          FKGTAP LWP1
TO 6           ADD                      BF--GTSAP3
PX 2
WRFKGT07      XMONTH20120301          GTAPWIRTR1
TO 2           ADD                      LEGT47          CONT
TO 6           DIV                      FKGTAP LWP1
PX 2
WRFKGT06      1910  XMONTH20120301          FKGTAP LSP1
TO 6           ADD                      BF--GTSAP3
PX 2
WRFKGT08      XMONTH20120301          GTAPSPRTR2
TO 2           ADD                      LEGT47          CONT
TO 6           DIV                      FKGTAP LSP1
PX 2
**
WRFKGT06      220  XMONTH20120301          FKGTAP PULS1
TO 6           ADD                      BF--GTSAP3
PX 2
**
WRFKGT09      XMONTH20120301          GTAPSUMTR1
    
```

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```

TO 2 ADD LEGT47 CONT
TO 6 DIV FKGTPULS1
PX 2
***** WET PULSE*****
WRFKGT10 540 XMONTH20120301 FKGTPULS1
TO 6 ADD BF--GTSWP3
PX 2
WRFKGT11 XMONTH20120301 GTWPWIRTR1
TO 2 ADD LEGT47 CONT
TO 6 DIV FKGTPULS1
PX 2
WRFKGT10 4050 XMONTH20120301 FKGTPULS1
TO 6 ADD BF--GTSWP3
PX 2
WRFKGT12 XMONTH20120301 GTWPSPRTR1
TO 2 ADD LEGT47 CONT
TO 6 DIV FKGTPULS1
PX 2
**
WRFKGT10 600 XMONTH20120301 FKGTPULS1
TO 6 ADD BF--GTSWP3
PX 2
**
WRFKGT13 XMONTH20120301 GTWPSUMTR1
TO 2 ADD LEGT47 CONT
TO 6 DIV FKGTPULS1
PX 2
**
    
```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

```

***** DRY *****
IFGTDPL 1910 XMONTH20120301 GTDPLS1
TO 6 ADD BF--GT-DP3
FS 5 FKGTO4 1 0 1 999999 2 1 1 4 3 6
PX 2
IFGTDPL 1910 XMONTH20120301 3 GTDPLS2
TO 6 ADD BF--GT-DP3
FS 5 FKGTO4 1 0 1 999999 2 1 1 0 3 6
PX 2
IFGTDPL 220 XMONTH20120301 GTDPLS1
TO 6 ADD BF--GT-DP3
FS 5 FKGTO5 1 0 1 999999 2 1 1 4 7 10
PX 2
IFGTDPL 220 XMONTH20120301 3 GTDPLS2
TO 6 ADD BF--GT-DP3
FS 5 FKGTO5 1 0 1 999999 2 1 1 0 7 10
PX 2
    
```

```

***** AVG PULSE*****
IFGTASPL 1910 XMONTH20120301 GTASPS1
TO 6 ADD BF--GTSAP3
FS 5 FKGTO8 1 0 1 999999 2 1 3 4 3 6
PX 2
IFGTASPL 1910 XMONTH20120301 3 GTASPS2
TO 6 ADD BF--GTSAP3
FS 5 FKGTO8 1 0 1 999999 2 1 3 0 3 6
PX 2
IFGTASPL 220 XMONTH20120301 GTASPLS1
TO 6 ADD BF--GTSAP3
FS 5 FKGTO9 1 0 1 999999 2 1 3 4 7 10
PX 2
IFGTASPL 220 XMONTH20120301 3 GTASPLS2
TO 6 ADD BF--GTSAP3
FS 5 FKGTO9 1 0 1 999999 2 1 3 0 7 10
PX 2
    
```

```

***** WET PULSE *****
IFGTWSPL 540 XMONTH20120301 GTSWPWP1
TO 6 ADD BF--GTSWP3
FS 5 FKGTO11 1 0 1 999999 2 1 2 4 11 2
PX 2
IFGTWSPL 540 XMONTH20120301 3 GTSWPWP2
TO 6 ADD BF--GTSWP3
FS 5 FKGTO11 1 0 1 999999 2 1 2 0 11 2
PX 2
IFGTWSPL 4050 XMONTH20120301 GTSWPSP1
TO 6 ADD BF--GTSWP3
FS 5 FKGTO12 1 0 1 999999 2 1 2 4 3 6
PX 2
IFGTWSPL 4050 XMONTH20120301 3 GTSWPSP2
TO 6 ADD BF--GTSWP3
FS 5 FKGTO12 1 0 1 999999 2 1 2 0 3 6
PX 2
IFGTWSPL 600 XMONTH20120301 GTSWPLS1
TO 6 ADD BF--GTSWP3
FS 5 FKGTO13 1 0 1 999999 2 1 2 4 7 10
PX 2
    
```


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```

IFGTWSPL      600  XMONTH20120301  3                GTSWPLS2
TO 6          ADD                                BF--GTSWP3
FS 5  FKGT13    1      0      1 9999999  2  1  2  0  7  10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFGTD PUL      20120301                GTDPFIN
TO 13         ADD                        GTDPLSP2  CONT
TO 13         ADD                        GTDPULS2  CONT
TO 16         MUL                        LOWDRY
PX 2
***** AVERAGE *****
IFGTASPL      20120301                GTASPFIN
TO 13         ADD                        GTASPSP2  CONT
TO 13         ADD                        GTASPLS2  CONT
TO 16         MUL                        LOWAVG
PX 2
***** WET *****
IFGTWSPL      20120301                GTWSPFIN
TO 13         ADD                        GTSWPWP2  CONT
TO 13         ADD                        GTSWPSP2  CONT
TO 13         ADD                        GTSWPLS2  CONT
TO 16         MUL                        LOWWET
PX 2
**
** LITTLE RIVER NEAR KEMPNER
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMLAKE      20120301                1.0000                DMRLLAKE  SB3DUM
TO 2          1.0                      LAKE50
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFake12      XMONTH20120301                BF--LA-DP1
TO 2          ADD                        DAYSPY                CONT
TO 2          SUB                        LADPND
PX 2
WRFake12      XMONTH20120301                BF--LA-DP2
TO 6          ADD                        BF--LA-DP1  CONT
TO 2          DIV                        DAYSPY
PX 2
WRFake12      13255  LA-DRY20120301                BF--LA-DP3
TO 6          MUL                        BF--LA-DP2
PX 2
*****Avg PULSE DAYS*****
WRFake12      XMONTH20120301                BF--LASAP1
TO 2          ADD                        DAYSPY                CONT
TO 2          SUB                        LAAFND
PX 2
WRFake12      XMONTH20120301                BF--LASAP2
TO 6          ADD                        BF--LASAP1  CONT
TO 2          DIV                        DAYSPY
PX 2
WRFake12      19035  LA-AVG20120301                BF--LASAP3
TO 6          MUL                        BF--LASAP2
PX 2
*****WET PULSE DAYS*****
WRFake12      XMONTH20120301                BF--LASWP1
TO 2          ADD                        DAYSPY                CONT
TO 2          SUB                        LAWPNL
PX 2
WRFake12      XMONTH20120301                BF--LASWP2
TO 6          ADD                        BF--LASWP1  CONT
TO 2          DIV                        DAYSPY
PX 2
WRFake12      27466  LA-WET20120301                BF--LASWP3
TO 6          MUL                        BF--LASWP2
PX 2
*****set subsistence flow*****
IFLASUBS      7232  LA-SUB20120301                LA-SUB1
TO 16         MUL                        LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFLA-DRY      13255  LA-DRY20120301                LA-DRY1
TO 16         MUL                        LOWDRY
PX 2
WRLANOSB      1  XMONTH20120301                LANOSUB2
FS 12  LOWDRY  0      1      1 9999999  1
PX 2
WRFKLA01      20120301                HOLDLABASE
TO 13         ADD                        LA-DRY1

```

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```

PX      2
WRFKLA02      20120301      LAONOFF
TO      2      ADD      LAKE50      CONT
TO      6      DIV      HOLDLABASE      CONT
TO      6      ADD      LANOSUB2
PX      2
IFLA-DRY      20120301      LA-DRY2
TO      13      ADD      LA-DRY1
FS      5      FKLA02      1      0      1 9999999      1
PX      2
IFLASUBS      LA-SUB20120301      2      LA-SUB2
TO      2      ADD      LAKE50      CONT
TO      13      SUB      LA-SUB1      CONT
TO      2      DIV      HALF      CONT
TO      13      ADD      LA-SUB1
FS      5      FKLA02      0      1      1 9999999      1
PX      2
IFLA-DRY      20120301      LA-DRY3
TO      13      ADD      LA-SUB2      CONT
TO      13      MAX      LA-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFLA-AVG      19035      LA-AVG20120301      LA-AVG
TO      16      MUL      LOWAVG
PX      2
*****SET WET BASE FLOW, *****
IFLA-WET      27466      LA-WET20120301      LA-WET
TO      16      MUL      LOWWET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKLA02      430      XMONTH20120301      FKLADPLWP1
TO      6      ADD      BF--LA-DP3
PX      2
WRFKLA03      XMONTH20120301      LADPWIRTRG
TO      2      ADD      LAKE50      CONT
TO      6      DIV      FKLADPLWP1
PX      2
WRFKLA02      4020      XMONTH20120301      FKLADPLSP1
TO      6      ADD      BF--LA-DP3
PX      2
WRFKLA04      XMONTH20120301      LADPSRTRG
TO      2      ADD      LAKE50      CONT
TO      6      DIV      FKLADPLSP1
PX      2
**
WRFKLA02      270      XMONTH20120301      FKLADPULS1
TO      6      ADD      BF--LA-DP3
PX      2
**
WRFKLA05      XMONTH20120301      LADPSUMTRG
TO      2      ADD      LAKE50      CONT
TO      6      DIV      FKLADPULS1
PX      2
***** AVERAGE PULSE *****
WRFKLA06      430      XMONTH20120301      FKLAAPLWP1
TO      6      ADD      BF--LASAP3
PX      2
WRFKLA07      XMONTH20120301      LAAPWIRTR1
TO      2      ADD      LAKE50      CONT
TO      6      DIV      FKLAAPLWP1
PX      2
WRFKLA06      4020      XMONTH20120301      FKLAAPLSP1
TO      6      ADD      BF--LASAP3
PX      2
WRFKLA08      XMONTH20120301      LAAPSRTR2
TO      2      ADD      LAKE50      CONT
TO      6      DIV      FKLAAPLSP1
PX      2
**
WRFKLA06      270      XMONTH20120301      FKLAAPULS1
TO      6      ADD      BF--LASAP3
PX      2
**
WRFKLA09      XMONTH20120301      LAAPSUMTR1
TO      2      ADD      LAKE50      CONT
TO      6      DIV      FKLAAPULS1
PX      2
***** WET PULSE*****
WRFKLA10      1150      XMONTH20120301      FKLAWPLWP1
TO      6      ADD      BF--LASWP3
PX      2
WRFKLA11      XMONTH20120301      LAWPWIRTR1
    
```

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```

TO      2          ADD          LAKE50          CONT
TO      6          DIV          FKLAWPLWP1
PX      2
WRFKLA10  6860  XMONTH20120301          FKLAWPLSP1
TO      6          ADD          BF--LASWP3
PX      2
WRFKLA12          XMONTH20120301          LAWSPRTR1
TO      2          ADD          LAKE50          CONT
TO      6          DIV          FKLAWPLSP1
PX      2
**
WRFKLA10  680  XMONTH20120301          FKLAWPULS1
TO      6          ADD          BF--LASWP3
PX      2
**
WRFKLA13          XMONTH20120301          LAWPSUMTR1
TO      2          ADD          LAKE50          CONT
TO      6          DIV          FKLAWPULS1
PX      2
**
    
```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
 ***** DRY *****

```

IFLADPUL  430  XMONTH20120301          LADPLWP1
TO      6          ADD          BF--LA-DP3
FS      5  FKLA03      1      0      1 9999999  2  1  1  4  11  2
PX      2
IFLADPUL  430  XMONTH20120301  3          LADPLWP2
TO      6          ADD          BF--LA-DP3
FS      5  FKLA03      1      0      1 9999999  2  1  1  0  11  2
PX      2
IFLADPUL  4020 XMONTH20120301          LADPLSP1
TO      6          ADD          BF--LA-DP3
FS      5  FKLA04      1      0      1 9999999  2  1  1  4  3  6
PX      2
IFLADPUL  4020 XMONTH20120301  3          LADPLSP2
TO      6          ADD          BF--LA-DP3
FS      5  FKLA04      1      0      1 9999999  2  1  1  0  3  6
PX      2
IFLADPUL  270  XMONTH20120301          LADPULS1
TO      6          ADD          BF--LA-DP3
FS      5  FKLA05      1      0      1 9999999  2  1  1  4  7  10
PX      2
IFLADPUL  270  XMONTH20120301  3          LADPULS2
TO      6          ADD          BF--LA-DP3
FS      5  FKLA05      1      0      1 9999999  2  1  1  0  7  10
PX      2
    
```

***** AVG PULSE*****

```

IFLAASPL  430  XMONTH20120301          LAAPLSW1
TO      6          ADD          BF--LASAP3
FS      5  FKLA07      1      0      1 9999999  2  1  3  4  11  2
PX      2
IFLAASPL  430  XMONTH20120301  3          LAAPLSW2
TO      6          ADD          BF--LASAP3
FS      5  FKLA07      1      0      1 9999999  2  1  3  0  11  2
PX      2
IFLAASPL  4020 XMONTH20120301          LAASPS1
TO      6          ADD          BF--LASAP3
FS      5  FKLA08      1      0      1 9999999  2  1  3  4  3  6
PX      2
IFLAASPL  4020 XMONTH20120301  3          LAASPS2
TO      6          ADD          BF--LASAP3
FS      5  FKLA08      1      0      1 9999999  2  1  3  0  3  6
PX      2
IFLAASPL  270  XMONTH20120301          LAASPLS1
TO      6          ADD          BF--LASAP3
FS      5  FKLA09      1      0      1 9999999  2  1  3  4  7  10
PX      2
IFLAASPL  270  XMONTH20120301  3          LAASPLS2
TO      6          ADD          BF--LASAP3
FS      5  FKLA09      1      0      1 9999999  2  1  3  0  7  10
PX      2
    
```

***** WET PULSE*****

```

IFLAWSP1  1150 XMONTH20120301          LASWPWP1
TO      6          ADD          BF--LASWP3
FS      5  FKLA11      1      0      1 9999999  2  1  2  4  11  2
PX      2
IFLAWSP1  1150 XMONTH20120301  3          LASWPWP2
TO      6          ADD          BF--LASWP3
FS      5  FKLA11      1      0      1 9999999  2  1  2  0  11  2
PX      2
IFLAWSP1  6860 XMONTH20120301          LASWPSP1
TO      6          ADD          BF--LASWP3
FS      5  FKLA12      1      0      1 9999999  2  1  2  4  3  6
PX      2
    
```

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```

IFLAWSPL      6860  XMONTH20120301  3                LASWPSP2
TO 6          ADD                                BF--LASWP3
FS 5  FKL12    1      0      1 9999999  2  1  2  0  3  6
PX 2
IFLAWSPL      680  XMONTH20120301                LASWPLS1
TO 6          ADD                                BF--LASWP3
FS 5  FKL13    1      0      1 9999999  2  1  2  4  7 10
PX 2
IFLAWSPL      680  XMONTH20120301  3                LASWPLS2
TO 6          ADD                                BF--LASWP3
FS 5  FKL13    1      0      1 9999999  2  1  2  0  7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFLADPUL      20120301                LADPFIN
TO 13         ADD                                LADPLWP2  CONT
TO 13         ADD                                LADPLSP2  CONT
TO 13         ADD                                LADPULS2  CONT
TO 16         MUL                                LOWDRY
PX 2
***** AVERAGE *****
IFLAASPL      20120301                LAAPFIN
TO 13         ADD                                LAAPLSW2  CONT
TO 13         ADD                                LAASPSP2  CONT
TO 13         ADD                                LAASPLS2  CONT
TO 16         MUL                                LOWAVG
PX 2
***** WET*****
IFLAWSPL      20120301                LAWPFIN
TO 13         ADD                                LASWPWP2  CONT
TO 13         ADD                                LASWPSP2  CONT
TO 13         ADD                                LASWPLS2  CONT
TO 16         MUL                                LOWWET
PX 2
**
** LITTLE RIVER NEAR LITTLE RIVER
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMLRLR      20120301  1.0000                DMRLRLR  SB3DUM
TO 2          1.0                LRLR53
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE13      XMONTH20120301                BF--LR-DP1
TO 2          ADD                                DAYSPY    CONT
TO 2          SUB                                LRDPND
PX 2
WRFAKE13      XMONTH20120301                BF--LR-DP2
TO 6          ADD                                BF--LR-DP1  CONT
TO 2          DIV                                DAYSPY
PX 2
WRFAKE13      62929  LR-DRY20120301                BF--LR-DP3
TO 6          MUL                                BF--LR-DP2
PX 2
*****Avg PULSE DAYS*****
WRFAKE13      XMONTH20120301                BF--LRSAP1
TO 2          ADD                                DAYSPY    CONT
TO 2          SUB                                LRASPD
PX 2
WRFAKE13      XMONTH20120301                BF--LRSAP2
TO 6          ADD                                BF--LRSAP1  CONT
TO 2          DIV                                DAYSPY
PX 2
WRFAKE13      91649  LR-AVG20120301                BF--LRSAP3
TO 6          MUL                                BF--LRSAP2
PX 2
*****WET PULSE DAYS*****
WRFAKE13      XMONTH20120301                BF--LRSWP1
TO 2          ADD                                DAYSPY    CONT
TO 2          SUB                                LRWSPD
PX 2
WRFAKE13      XMONTH20120301                BF--LRSWP2
TO 6          ADD                                BF--LRSWP1  CONT
TO 2          DIV                                DAYSPY
PX 2
WRFAKE13      176076 LR-WET20120301                BF--LRSWP3
TO 6          MUL                                BF--LRSWP2
PX 2
*****set subsistence flow*****
IFLRSUBS      39776  LR-SUB20120301                LR-SUB1
TO 16         MUL                                LOWDRY
    
```

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```

PX      2
*****SET DRY BASE FLOW, *****
IFLR-DRY 62929 LR-DRY20120301 LR-DRY1
TO      16      MUL                LOWDRY
PX      2
WRLRNOSB 1 XMONTH20120301 LRNOSUB2
FS      12 LOWDRY 0 1 1 9999999 1
PX      2
WRFKLR01 20120301 HOLDLRBASE
TO      13      ADD                LR-DRY1
PX      2
WRFKLR02 20120301 LRONOFF
TO      2      ADD                LRLR53      CONT
TO      6      DIV                HOLDLRBASE  CONT
TO      6      ADD                LRNOSUB2
PX      2
IFLR-DRY 20120301 LR-DRY2
TO      13      ADD                LR-DRY1
FS      5 FKLRO2 1 0 1 9999999 1
PX      2
IFLRSUBS LR-SUB20120301 2 LR-SUB2
TO      2      ADD                LRLR53      CONT
TO      13     SUB                LR-SUB1     CONT
TO      2      DIV                HALF         CONT
TO      13     ADD                LR-SUB1
FS      5 FKLRO2 0 1 1 9999999 1
PX      2
IFLR-DRY 20120301 LR-DRY3
TO      13     ADD                LR-SUB2     CONT
TO      13     MAX                LR-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFLR-AVG 91649 LR-AVG20120301 LR-AVG
TO      16      MUL                LOWAVG
PX      2
*****SET WET BASE FLOW, *****
IFLR-WET 176076 LR-WET20120301 LR-WET
TO      16      MUL                LOWWET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKLR02 2350 XMONTH20120301 FKLDRPLWP1
TO      6      ADD                BF--LR-DP3
PX      2
WRFKLR03 XMONTH20120301 LRDWPWIRTRG
TO      2      ADD                LRLR53      CONT
TO      6      DIV                FKLDRPLWP1
PX      2
WRFKLR02 9760 XMONTH20120301 FKLDRPLSP1
TO      6      ADD                BF--LR-DP3
PX      2
WRFKLR04 XMONTH20120301 LRDPSPRTRG
TO      2      ADD                LRLR53      CONT
TO      6      DIV                FKLDRPLSP1
PX      2
**
WRFKLR02 1560 XMONTH20120301 FKLDRPULS1
TO      6      ADD                BF--LR-DP3
PX      2
**
WRFKLR05 XMONTH20120301 LRDPSUMTRG
TO      2      ADD                LRLR53      CONT
TO      6      DIV                FKLDRPULS1
PX      2
***** AVERAGE PULSE *****
WRFKLR06 2350 XMONTH20120301 FKLRAPLWP1
TO      6      ADD                BF--LRSAP3
PX      2
WRFKLR07 XMONTH20120301 LRAPWIRTR1
TO      2      ADD                LRLR53      CONT
TO      6      DIV                FKLRAPLWP1
PX      2
WRFKLR06 9760 XMONTH20120301 FKLRAPLSP1
TO      6      ADD                BF--LRSAP3
PX      2
WRFKLR08 XMONTH20120301 LRAPSPRTR2
TO      2      ADD                LRLR53      CONT
TO      6      DIV                FKLRAPLSP1
PX      2
**
WRFKLR06 1560 XMONTH20120301 FKLRAPLS1
TO      6      ADD                BF--LRSAP3
PX      2
    
```

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```

**
WRFKLR09      XMONTH20120301      LRLR53      LRAPSUMTR1
TO 2          ADD                                     CONT
TO 6          DIV                                     FKLRAPULS1
PX 2
***** WET PULSE*****
WRFKLR10 11800 XMONTH20120301      FKLRWPLWP1
TO 6          ADD                                     BF--LRSWP3
PX 2
WRFKLR11      XMONTH20120301      LRLR53      LRWPWIRTR1
TO 2          ADD                                     CONT
TO 6          DIV                                     FKLRWPLWP1
PX 2
WRFKLR10 32200 XMONTH20120301      FKLRWPLSP1
TO 6          ADD                                     BF--LRSWP3
PX 2
WRFKLR12      XMONTH20120301      LRLR53      LRWPSRTR1
TO 2          ADD                                     CONT
TO 6          DIV                                     FKLRWPLSP1
PX 2
**
WRFKLR10 5890 XMONTH20120301      FKLRWPLS1
TO 6          ADD                                     BF--LRSWP3
PX 2
**
WRFKLR13      XMONTH20120301      LRLR53      LRWPSUMTR1
TO 2          ADD                                     CONT
TO 6          DIV                                     FKLRWPLS1
PX 2
**

```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

```

***** DRY *****
IFLRDPUL 2350 XMONTH20120301      LRDPLWP1
TO 6          ADD                                     BF--LR-DP3
FS 5 FKLRO3 1 0 1 9999999 2 1 1 4 11 2
PX 2
IFLRDPUL 2350 XMONTH20120301 3      LRDPLWP2
TO 6          ADD                                     BF--LR-DP3
FS 5 FKLRO3 1 0 1 9999999 2 1 1 0 11 2
PX 2
IFLRDPUL 9760 XMONTH20120301      LRDPLS1
TO 6          ADD                                     BF--LR-DP3
FS 5 FKLRO4 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFLRDPUL 9760 XMONTH20120301 3      LRDPLSP2
TO 6          ADD                                     BF--LR-DP3
FS 5 FKLRO4 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFLRDPUL 1560 XMONTH20120301      LRDPLS1
TO 6          ADD                                     BF--LR-DP3
FS 5 FKLRO5 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFLRDPUL 1560 XMONTH20120301 3      LRDPLS2
TO 6          ADD                                     BF--LR-DP3
FS 5 FKLRO5 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** AVG PULSE*****
IFLRASPL 2350 XMONTH20120301      LRAPLSW1
TO 6          ADD                                     BF--LRSAP3
FS 5 FKLRO7 1 0 1 9999999 2 1 3 4 11 2
PX 2
IFLRASPL 2350 XMONTH20120301 3      LRAPLSW2
TO 6          ADD                                     BF--LRSAP3
FS 5 FKLRO7 1 0 1 9999999 2 1 3 0 11 2
PX 2
IFLRASPL 9760 XMONTH20120301      LRASPS1
TO 6          ADD                                     BF--LRSAP3
FS 5 FKLRO8 1 0 1 9999999 2 1 3 4 3 6
PX 2
IFLRASPL 9760 XMONTH20120301 3      LRASPS2
TO 6          ADD                                     BF--LRSAP3
FS 5 FKLRO8 1 0 1 9999999 2 1 3 0 3 6
PX 2
IFLRASPL 1560 XMONTH20120301      LRASPLS1
TO 6          ADD                                     BF--LRSAP3
FS 5 FKLRO9 1 0 1 9999999 2 1 3 4 7 10
PX 2
IFLRASPL 1560 XMONTH20120301 3      LRASPLS2
TO 6          ADD                                     BF--LRSAP3
FS 5 FKLRO9 1 0 1 9999999 2 1 3 0 7 10
PX 2
***** WET PULSE *****
IFLRWSP 11800 XMONTH20120301      LRSWPWP1
TO 6          ADD                                     BF--LRSWP3

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```

FS 5 FKLRL1 1 0 1 9999999 2 1 2 4 11 2
PX 2
IFLRWSPL 11800 XMONTH20120301 3 LRSWPWP2
TO 6 ADD BF--LRSWP3
FS 5 FKLRL1 1 0 1 9999999 2 1 2 0 11 2
PX 2
IFLRWSPL 32200 XMONTH20120301 LRSWPSP1
TO 6 ADD BF--LRSWP3
FS 5 FKLRL2 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFLRWSPL 32200 XMONTH20120301 3 LRSWPSP2
TO 6 ADD BF--LRSWP3
FS 5 FKLRL2 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFLRWSPL 5890 XMONTH20120301 LRSWPLS1
TO 6 ADD BF--LRSWP3
FS 5 FKLRL3 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFLRWSPL 5890 XMONTH20120301 3 LRSWPLS2
TO 6 ADD BF--LRSWP3
FS 5 FKLRL3 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFLRDPUL 20120301 LRDPFIN
TO 13 ADD LRDPWP2 CONT
TO 13 ADD LRDPSP2 CONT
TO 13 ADD LRDPULS2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVERAGE *****
IFLRASPL 20120301 LRASPFIN
TO 13 ADD LRAPLSW2 CONT
TO 13 ADD LRASPSP2 CONT
TO 13 ADD LRASPLS2 CONT
TO 16 MUL LOWAVG
PX 2
***** WET*****
IFLRWSPL 20120301 LRWSPFIN
TO 13 ADD LRSWPWP2 CONT
TO 13 ADD LRSWPSP2 CONT
TO 13 ADD LRSWPLS2 CONT
TO 16 MUL LOWWET
PX 2
**
** LITTLE RIVER NEAR CAMERON
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMLRCA 20120301 1.0000 DMRLLRCA SB3DUM
TO 2 1.0 LRCA58
PX 2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFMAKE14 XMONTH20120301 BF--CA-DP1
TO 2 ADD DAYSPY CONT
TO 2 SUB CADPND
PX 2
WRFMAKE14 XMONTH20120301 BF--CA-DP2
TO 6 ADD BF--CA-DP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFMAKE14 83632 CA-DRY20120301 BF--CA-DP3
TO 6 MUL BF--CA-DP2
PX 2
*****Avg PULSE DAYS*****
WRFMAKE14 XMONTH20120301 BF--CASAP1
TO 2 ADD DAYSPY CONT
TO 2 SUB CAASPD
PX 2
WRFMAKE14 XMONTH20120301 BF--CASAP2
TO 6 ADD BF--CASAP1 CONT
TO 2 DIV DAYSPY
PX 2
WRFMAKE14 159088 CA-AVG20120301 BF--CASAP3
TO 6 MUL BF--CASAP2
PX 2
*****WET PULSE DAYS*****
WRFMAKE14 XMONTH20120301 BF--CASWP1
TO 2 ADD DAYSPY CONT
TO 2 SUB CAWSPD
PX 2

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WRFKAE14          XMONTH20120301          BF--CASWP2
TO 6              ADD                    BF--CASWP1  CONT
TO 2              DIV                    DAYSPP
PX 2
WRFKAE14 373478  CA-WET20120301          BF--CASWP3
TO 6              MUL                    BF--CASWP2
PX 2
*****set subsistence flow*****
IFCASUBS 23142  CA-SUB20120301          CA-SUB1
TO 16            MUL                    LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFCA-DRY 83632  CA-DRY20120301          CA-DRY1
TO 16            MUL                    LOWDRY
PX 2
WRCANOSB 1      XMONTH20120301          CANOSUB2
FS 12  LOWDRY  0      1      1 9999999  1
PX 2
WRFKCA01          20120301          HOLDCABASE
TO 13            ADD                    CA-DRY1
PX 2
WRFKCA02          20120301          CAONOFF
TO 2              ADD                    LRCA58      CONT
TO 6              DIV                    HOLDCABASE  CONT
TO 6              ADD                    CANOSUB2
PX 2
IFCA-DRY          20120301          CA-DRY2
TO 13            ADD                    CA-DRY1
FS 5  FKCA02     1      0      1 9999999  1
PX 2
IFCASUBS          CA-SUB20120301  2      CA-SUB2
TO 2              ADD                    LRCA58      CONT
TO 13            SUB                    CA-SUB1      CONT
TO 2              DIV                    HALF        CONT
TO 13            ADD                    CA-SUB1
FS 5  FKCA02     0      1      1 9999999  1
PX 2
IFCA-DRY          20120301          CA-DRY3
TO 13            ADD                    CA-SUB2      CONT
TO 13            MAX                    CA-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFCA-AVG 159088 CA-AVG20120301          CA-AVG
TO 16            MUL                    LOWAVG
PX 2
*****SET WET BASE FLOW, *****
IFCA-WET 373478 CA-WET20120301          CA-WET
TO 16            MUL                    LOWWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKCA02 6680  XMONTH20120301          FKCADPLWP1
TO 6              ADD                    BF--CA-DP3
PX 2
WRFKCA03          XMONTH20120301          CADPWIRTRG
TO 2              ADD                    LRCA58      CONT
TO 6              DIV                    FKCADPLWP1
PX 2
WRFKCA02 23900 XMONTH20120301          FKCADPLSP1
TO 6              ADD                    BF--CA-DP3
PX 2
WRFKCA04          XMONTH20120301          CADPSPRTRG
TO 2              ADD                    LRCA58      CONT
TO 6              DIV                    FKCADPLSP1
PX 2
**
WRFKCA02 2860  XMONTH20120301          FKCADPULS1
TO 6              ADD                    BF--CA-DP3
PX 2
**
WRFKCA05          XMONTH20120301          CADPSUMTRG
TO 2              ADD                    LRCA58      CONT
TO 6              DIV                    FKCADPULS1
PX 2
***** AVERAGE PULSE *****
WRFKCA06 6680  XMONTH20120301          FKCAAPLWP1
TO 6              ADD                    BF--CASAP3
PX 2
WRFKCA07          XMONTH20120301          CAAPWIRTR1
TO 2              ADD                    LRCA58      CONT
TO 6              DIV                    FKCAAPLWP1
PX 2
WRFKCA06 23900 XMONTH20120301          FKCAAPLSP1
    
```


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```

TO      6          ADD          BF--CASAP3
PX      2
WRFKCA08  XMONTH20120301          CAAPSPRTR2
TO      2          ADD          LRCA58          CONT
TO      6          DIV          FKCAAPLSP1
PX      2
**
WRFKCA06  2860  XMONTH20120301          FKCAAPULS1
TO      6          ADD          BF--CASAP3
PX      2
**
WRFKCA09  XMONTH20120301          CAAPSUMTR1
TO      2          ADD          LRCA58          CONT
TO      6          DIV          FKCAAPULS1
PX      2
***** WET PULSE*****
WRFKCA10  14900 XMONTH20120301          FKCAWPLWP1
TO      6          ADD          BF--CASWP3
PX      2
WRFKCA11  XMONTH20120301          CAWPWIRTR1
TO      2          ADD          LRCA58          CONT
TO      6          DIV          FKCAWPLWP1
PX      2
WRFKCA10  38400 XMONTH20120301          FKCAWPLSP1
TO      6          ADD          BF--CASWP3
PX      2
WRFKCA12  XMONTH20120301          CAWPSPRTR1
TO      2          ADD          LRCA58          CONT
TO      6          DIV          FKCAWPLSP1
PX      2
**
WRFKCA10  5550  XMONTH20120301          FKCAWPULS1
TO      6          ADD          BF--CASWP3
PX      2
**
WRFKCA13  XMONTH20120301          CAWPUMTR1
TO      2          ADD          LRCA58          CONT
TO      6          DIV          FKCAWPULS1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFCADPUL  6680  XMONTH20120301          CADPLWP1
TO      6          ADD          BF--CA-DP3
FS      5  FKCA03  1  0  1  9999999  2  1  1  4  11  2
PX      2
IFCADPUL  6680  XMONTH20120301  3          CADPLWP2
TO      6          ADD          BF--CA-DP3
FS      5  FKCA03  1  0  1  9999999  2  1  1  0  11  2
PX      2
IFCADPUL  23900 XMONTH20120301          CADPLSP1
TO      6          ADD          BF--CA-DP3
FS      5  FKCA04  1  0  1  9999999  2  1  1  4  3  6
PX      2
IFCADPUL  23900 XMONTH20120301  3          CADPLSP2
TO      6          ADD          BF--CA-DP3
FS      5  FKCA04  1  0  1  9999999  2  1  1  0  3  6
PX      2
IFCADPUL  2860  XMONTH20120301          CADPULS1
TO      6          ADD          BF--CA-DP3
FS      5  FKCA05  1  0  1  9999999  2  1  1  4  7  10
PX      2
IFCADPUL  2860  XMONTH20120301  3          CADPULS2
TO      6          ADD          BF--CA-DP3
FS      5  FKCA05  1  0  1  9999999  2  1  1  0  7  10
PX      2
***** AVG PULSE*****
IFCAASPL  6680  XMONTH20120301          CAAPLSW1
TO      6          ADD          BF--CASAP3
FS      5  FKCA07  1  0  1  9999999  2  1  3  4  11  2
PX      2
IFCAASPL  6680  XMONTH20120301  3          CAAPLSW2
TO      6          ADD          BF--CASAP3
FS      5  FKCA07  1  0  1  9999999  2  1  3  0  11  2
PX      2
IFCAASPL  23900 XMONTH20120301          CAASPSP1
TO      6          ADD          BF--CASAP3
FS      5  FKCA08  1  0  1  9999999  2  1  3  4  3  6
PX      2
IFCAASPL  23900 XMONTH20120301  3          CAASPSP2
TO      6          ADD          BF--CASAP3
FS      5  FKCA08  1  0  1  9999999  2  1  3  0  3  6
PX      2
IFCAASPL  2860  XMONTH20120301          CAASPLS1

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```

TO      6          ADD                      BF--CASAP3
FS      5  FKCA09      1      0      1 9999999  2  1  3  4  7  10
PX      2
IFCAASPL 2860  XMONTH20120301  3          CAASPLS2
TO      6          ADD                      BF--CASAP3
FS      5  FKCA09      1      0      1 9999999  2  1  3  0  7  10
PX      2
***** WET PULSE *****
IFCAWSPL 14900 XMONTH20120301          CASWPWP1
TO      6          ADD                      BF--CASWP3
FS      5  FKCA11      1      0      1 9999999  2  1  2  4  11  2
PX      2
IFCAWSPL 14900 XMONTH20120301  3          CASWPWP2
TO      6          ADD                      BF--CASWP3
FS      5  FKCA11      1      0      1 9999999  2  1  2  0  11  2
PX      2
IFCAWSPL 38400 XMONTH20120301          CASWPSP1
TO      6          ADD                      BF--CASWP3
FS      5  FKCA12      1      0      1 9999999  2  1  2  4  3  6
PX      2
IFCAWSPL 38400 XMONTH20120301  3          CASWPSP2
TO      6          ADD                      BF--CASWP3
FS      5  FKCA12      1      0      1 9999999  2  1  2  0  3  6
PX      2
IFCAWSPL 5550  XMONTH20120301          CASWPLS1
TO      6          ADD                      BF--CASWP3
FS      5  FKCA13      1      0      1 9999999  2  1  2  4  7  10
PX      2
IFCAWSPL 5550  XMONTH20120301  3          CASWPLS2
TO      6          ADD                      BF--CASWP3
FS      5  FKCA13      1      0      1 9999999  2  1  2  0  7  10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFCADPUL 20120301          CADPFIN
TO      13          ADD                      CADPLWP2  CONT
TO      13          ADD                      CADPLSP2  CONT
TO      13          ADD                      CADPULS2  CONT
TO      16          MUL                      LOWDRY
PX      2
***** AVERAGE *****
IFCAASPL 20120301          CAASPFIN
TO      13          ADD                      CAAPLSW2  CONT
TO      13          ADD                      CAASPSP2  CONT
TO      13          ADD                      CAASPLS2  CONT
TO      16          MUL                      LOWAVG
PX      2
***** WET*****
IFCAWSPL 20120301          CAWSPFIN
TO      13          ADD                      CASWPWP2  CONT
TO      13          ADD                      CASWPSP2  CONT
TO      13          ADD                      CASWPLS2  CONT
TO      16          MUL                      LOWWET
PX      2
**
**BRAZOS RIVER NEAR BRYAN
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRBR 20120301 1.0000 DMRLBRBR SB3DUM
TO      2      1.0      BRBR59
PX      2
**FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE15 XMONTH20120301          BF--BR-DP1
TO      2          ADD                      DAYSPY  CONT
TO      2          SUB                      BRDPND
PX      2
WRFAKE15 XMONTH20120301          BF--BR-DP2
TO      6          ADD                      BF--BR-DP1  CONT
TO      2          DIV                      DAYSPY
PX      2
WRFAKE15 453509 BR-DRY20120301          BF--BR-DP3
TO      6          MUL                      BF--BR-DP2
PX      2
*****Avg PULSE DAYS*****
WRFAKE15 XMONTH20120301          BF--BRSAP1
TO      2          ADD                      DAYSPY  CONT
TO      2          SUB                      BRASPD
PX      2
WRFAKE15 XMONTH20120301          BF--BRSAP2
TO      6          ADD                      BF--BRSAP1  CONT
    
```

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```

TO      2          DIV          DAYSPY
PX      2
WRFK15  733184  BR-AVG20120301          BF--BRSAP3
TO      6          MUL          BF--BRSAP2
PX      2
*****WET PULSE DAYS*****
WRFK15          XMONTH20120301          BF--BRSWP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          BRWSPD
PX      2
WRFK15          XMONTH20120301          BF--BRSWP2
TO      6          ADD          BF--BRSWP1          CONT
TO      2          DIV          DAYSPY
PX      2
WRFK15  1371289  BR-WET20120301          BF--BRSWP3
TO      6          MUL          BF--BRSWP2
PX      2
*****set subsistence flow*****
IFBRSUBS  216959  BR-SUB20120301          BR-SUB1
TO      16          MUL          LOWDRY
PX      2
*****SET DRY BASE FLOW, *****
IFBR-DRY  453509  BR-DRY20120301          BR-DRY1
TO      16          MUL          LOWDRY
PX      2
WRBRNOSB  1  XMONTH20120301          BRNOSUB2
FS      12  LOWDRY  0  1  1  9999999  1
PX      2
WRFKBR01          20120301          HOLDBRBASE
TO      13          ADD          BR-DRY1
PX      2
WRFKBR02          20120301          BRONOFF
TO      2          ADD          BRBR59          CONT
TO      6          DIV          HOLDBRBASE          CONT
TO      6          ADD          BRNOSUB2
PX      2
IFBR-DRY          20120301          BR-DRY2
TO      13          ADD          BR-DRY1
FS      5  FKBR02  1  0  1  9999999  1
PX      2
IFBRSUBS          BR-SUB20120301  2          BR-SUB2
TO      2          ADD          BRBR59          CONT
TO      13          SUB          BR-SUB1          CONT
TO      2          DIV          HALF          CONT
TO      13          ADD          BR-SUB1
FS      5  FKBR02  0  1  1  9999999  1
PX      2
IFBR-DRY          20120301          BR-DRY3
TO      13          ADD          BR-SUB2          CONT
TO      13          MAX          BR-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFBR-AVG  733184  BR-AVG20120301          BR-AVG
TO      16          MUL          LOWAVG
PX      2
*****SET WET BASE FLOW, *****
IFBR-WET  1371289  BR-WET20120301          BR-WET
TO      16          MUL          LOWWET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKBR02  21100  XMONTH20120301          FKBRDPLWP1
TO      6          ADD          BF--BR-DP3
PX      2
WRFKBR03          XMONTH20120301          BRDPWIRTRG
TO      2          ADD          BRBR59          CONT
TO      6          DIV          FKBRDPLWP1
PX      2
WRFKBR02  49000  XMONTH20120301          FKBRDPLSP1
TO      6          ADD          BF--BR-DP3
PX      2
WRFKBR04          XMONTH20120301          BRDPSPRTRG
TO      2          ADD          BRBR59          CONT
TO      6          DIV          FKBRDPLSP1
PX      2
**
WRFKBR02  12700  XMONTH20120301          FKBRDPULS1
TO      6          ADD          BF--BR-DP3
PX      2
**
WRFKBR05          XMONTH20120301          BRDPSUMTRG
TO      2          ADD          BRBR59          CONT
TO      6          DIV          FKBRDPULS1
    
```

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```

PX      2
***** AVERAGE PULSE *****
WRFKBR06 21100 XMONTH20120301          FKBRAPLWP1
TO      6          ADD                      BF--BRSAP3
PX      2
WRFKBR07          XMONTH20120301          BRAPWIRTR1
TO      2          ADD                      BRBR59          CONT
TO      6          DIV                      FKBRAPLWP1
PX      2
WRFKBR06 49000 XMONTH20120301          FKBRAPLSP1
TO      6          ADD                      BF--BRSAP3
PX      2
WRFKBR08          XMONTH20120301          BRAPSPRTR2
TO      2          ADD                      BRBR59          CONT
TO      6          DIV                      FKBRAPLSP1
PX      2
**
WRFKBR06 12700 XMONTH20120301          FKBRAPULS1
TO      6          ADD                      BF--BRSAP3
PX      2
**
WRFKBR09          XMONTH20120301          BRAPSUMTR1
TO      2          ADD                      BRBR59          CONT
TO      6          DIV                      FKBRAPULS1
PX      2

```

```

***** WET PULSE*****
WRFKBR10 41900 XMONTH20120301          FKBRWPLWP1
TO      6          ADD                      BF--BRSWP3
PX      2
WRFKBR11          XMONTH20120301          BRWPWIRTR1
TO      2          ADD                      BRBR59          CONT
TO      6          DIV                      FKBRWPLWP1
PX      2
WRFKBR10 97000 XMONTH20120301          FKBRWPLSP1
TO      6          ADD                      BF--BRSWP3
PX      2
WRFKBR12          XMONTH20120301          BRWPSRTR1
TO      2          ADD                      BRBR59          CONT
TO      6          DIV                      FKBRWPLSP1
PX      2
**
WRFKBR10 20100 XMONTH20120301          FKBRWPULS1
TO      6          ADD                      BF--BRSWP3
PX      2
**
WRFKBR13          XMONTH20120301          BRWPSUMTR1
TO      2          ADD                      BRBR59          CONT
TO      6          DIV                      FKBRWPULS1
PX      2
**

```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

```

***** DRY *****
IFBRDPUL 21100 XMONTH20120301          BRDPLWP1
TO      6          ADD                      BF--BR-DP3
FS      5 FKBR03          1          0          1 9999999 2 1 1 4 11 2
PX      2
IFBRDPUL 21100 XMONTH20120301 3          BRDPLWP2
TO      6          ADD                      BF--BR-DP3
FS      5 FKBR03          1          0          1 9999999 2 1 1 0 11 2
PX      2
IFBRDPUL 49000 XMONTH20120301          BRDPLSP1
TO      6          ADD                      BF--BR-DP3
FS      5 FKBR04          1          0          1 9999999 2 1 1 4 3 6
PX      2
IFBRDPUL 49000 XMONTH20120301 3          BRDPLSP2
TO      6          ADD                      BF--BR-DP3
FS      5 FKBR04          1          0          1 9999999 2 1 1 0 3 6
PX      2
IFBRDPUL 12700 XMONTH20120301          BRDPULS1
TO      6          ADD                      BF--BR-DP3
FS      5 FKBR05          1          0          1 9999999 2 1 1 4 7 10
PX      2
IFBRDPUL 12700 XMONTH20120301 3          BRDPULS2
TO      6          ADD                      BF--BR-DP3
FS      5 FKBR05          1          0          1 9999999 2 1 1 0 7 10
PX      2

```

```

***** AVG PULSE*****
IFBRASPL 21100 XMONTH20120301          BRAPLSW1
TO      6          ADD                      BF--BRSAP3
FS      5 FKBR07          1          0          1 9999999 2 1 3 4 11 2
PX      2
IFBRASPL 21100 XMONTH20120301 3          BRAPLSW2
TO      6          ADD                      BF--BRSAP3
FS      5 FKBR07          1          0          1 9999999 2 1 3 0 11 2

```

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```

PX      2
IFBRASPL 49000 XMONTH20120301          BRASPS1
TO      6          ADD                    BF--BRSAP3
FS      5 FKBR08      1      0      1 9999999 2 1 3 4 3 6
PX      2
IFBRASPL 49000 XMONTH20120301  3          BRASPS2
TO      6          ADD                    BF--BRSAP3
FS      5 FKBR08      1      0      1 9999999 2 1 3 0 3 6
PX      2
IFBRASPL 12700 XMONTH20120301          BRASPLS1
TO      6          ADD                    BF--BRSAP3
FS      5 FKBR09      1      0      1 9999999 2 1 3 4 7 10
PX      2
IFBRASPL 12700 XMONTH20120301  3          BRASPLS2
TO      6          ADD                    BF--BRSAP3
FS      5 FKBR09      1      0      1 9999999 2 1 3 0 7 10
PX      2
***** WET PULSE *****
IFBRWSPL 41900 XMONTH20120301          BRSWP1
TO      6          ADD                    BF--BRSWP3
FS      5 FKBR11      1      0      1 9999999 2 1 2 4 11 2
PX      2
IFBRWSPL 41900 XMONTH20120301  3          BRSWP2
TO      6          ADD                    BF--BRSWP3
FS      5 FKBR11      1      0      1 9999999 2 1 2 0 11 2
PX      2
IFBRWSPL 97000 XMONTH20120301          BRSWPSP1
TO      6          ADD                    BF--BRSWP3
FS      5 FKBR12      1      0      1 9999999 2 1 2 4 3 6
PX      2
IFBRWSPL 97000 XMONTH20120301  3          BRSWPSP2
TO      6          ADD                    BF--BRSWP3
FS      5 FKBR12      1      0      1 9999999 2 1 2 0 3 6
PX      2
IFBRWSPL 20100 XMONTH20120301          BRSWPLS1
TO      6          ADD                    BF--BRSWP3
FS      5 FKBR13      1      0      1 9999999 2 1 2 4 7 10
PX      2
IFBRWSPL 20100 XMONTH20120301  3          BRSWPLS2
TO      6          ADD                    BF--BRSWP3
FS      5 FKBR13      1      0      1 9999999 2 1 2 0 7 10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFBRDPUL          20120301          BRDPFIN
TO      13          ADD                    BRDPLWP2    CONT
TO      13          ADD                    BRDPLSP2    CONT
TO      13          ADD                    BRDPULS2    CONT
TO      16          MUL                    LOWDRY
PX      2
***** AVERAGE *****
IFBRASPL          20120301          BRASPFIN
TO      13          ADD                    BRAPLSW2    CONT
TO      13          ADD                    BRASPS2    CONT
TO      13          ADD                    BRASPLS2    CONT
TO      16          MUL                    LOWAVG
PX      2
***** WET *****
IFBRWSPL          20120301          BRWSPFIN
TO      13          ADD                    BRSWPWP2    CONT
TO      13          ADD                    BRSWPSP2    CONT
TO      13          ADD                    BRSWPLS2    CONT
TO      16          MUL                    LOWWET
PX      2
**
** NAVASOTA RIVER NEAR EASTERLY
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMNAEA          20120301          1.0000          DMRLNAEA  SB3DUM
TO      2      1.0          NAEA66
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRF16          XMONTH20120301          BF--EA-DP1
TO      2          ADD                    DAYSPY          CONT
TO      2          SUB                    EADPND
PX      2
WRF16          XMONTH20120301          BF--EA-DP2
TO      6          ADD                    BF--EA-DP1    CONT
TO      2          DIV                    DAYSPY
PX      2
    
```

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```

WRFKAE16      5289  EA-DRY20120301                BF--EA-DP3
TO      6                MUL                BF--EA-DP2
PX      2
*****Avg PULSE DAYS*****
WRFKAE16      XMONTH20120301                BF--EASAP1
TO      2                ADD                CONT
TO      2                SUB                EAASPD
PX      2
WRFKAE16      XMONTH20120301                BF--EASAP2
TO      6                ADD                BF--EASAP1  CONT
TO      2                DIV                DAYSPY
PX      2
WRFKAE16      9871  EA-AVG20120301                BF--EASAP3
TO      6                MUL                BF--EASAP2
PX      2
*****WET PULSE DAYS*****
WRFKAE16      XMONTH20120301                BF--EASWP1
TO      2                ADD                CONT
TO      2                SUB                EAWSPD
PX      2
WRFKAE16      XMONTH20120301                BF--EASWP2
TO      6                ADD                BF--EASWP1  CONT
TO      2                DIV                DAYSPY
PX      2
WRFKAE16      16378 EA-WET20120301                BF--EASWP3
TO      6                MUL                BF--EASWP2
PX      2
*****set subsistence flow*****
IFEASUBS      723  EA-SUB20120301                EA-SUB1
TO      16                MUL                LOWDRY
PX      2
*****SET DRY BASE FLOW, *****
IFEA-DRY      5289  EA-DRY20120301                EA-DRY1
TO      16                MUL                LOWDRY
PX      2
WREANOSB      1  XMONTH20120301                EANOSUB2
FS      12  LOWDRY      0      1      1 9999999  1
PX      2
WRFKAE01      20120301                HOLDEABASE
TO      13                ADD                EA-DRY1
PX      2
WRFKAE02      20120301                EAONOFF
TO      2                ADD                NAEA66                CONT
TO      6                DIV                HOLDEABASE  CONT
TO      6                ADD                EANOSUB2
PX      2
IFEA-DRY      20120301                EA-DRY2
TO      13                ADD                EA-DRY1
FS      5  FKEA02      1      0      1 9999999  1
PX      2
IFEASUBS      EA-SUB20120301  2                EA-SUB2
TO      2                ADD                NAEA66                CONT
TO      13                SUB                EA-SUB1                CONT
TO      2                DIV                HALF                CONT
TO      13                ADD                EA-SUB1
FS      5  FKEA02      0      1      1 9999999  1
PX      2
IFEA-DRY      20120301                EA-DRY3
TO      13                ADD                EA-SUB2                CONT
TO      13                MAX                EA-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFEA-AVG      9871  EA-AVG20120301                EA-AVG
TO      16                MUL                LOWAVG
PX      2
*****SET WET BASE FLOW, *****
IFEA-WET      16378 EA-WET20120301                EA-WET
TO      16                MUL                LOWWET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKAE02      1610  XMONTH20120301                FKEADPLWP1
TO      6                ADD                BF--EA-DP3
PX      2
WRFKAE03      XMONTH20120301                EADPWIRTRG
TO      2                ADD                NAEA66                CONT
TO      6                DIV                FKEADPLWP1
PX      2
WRFKAE02      4590  XMONTH20120301                FKEADPLSP1
TO      6                ADD                BF--EA-DP3
PX      2
WRFKAE04      XMONTH20120301                EADPSPRTRG
TO      2                ADD                NAEA66                CONT
    
```

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```

TO      6          DIV          FKEADPLSP1
PX      2
**
WRFKEA02      0  XMONTH20120301          FKEADPULS1
TO      6          ADD          BF--EA-DP3
PX      2
**
WRFKEA05      XMONTH20120301          EADPSUMTRG
TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEADPULS1
PX      2
***** AVERAGE PULSE *****
WRFKEA06      1610 XMONTH20120301          FKEAAPLWP1
TO      6          ADD          BF--EASAP3
PX      2
WRFKEA07      XMONTH20120301          EAAPWIRTR1
TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEAAPLWP1
PX      2
WRFKEA06      4590 XMONTH20120301          FKEAAPLSP1
TO      6          ADD          BF--EASAP3
PX      2
WRFKEA08      XMONTH20120301          EAAPSPRTR2
TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEAAPLSP1
PX      2
**
WRFKEA06      0  XMONTH20120301          FKEAAPULS1
TO      6          ADD          BF--EASAP3
PX      2
**
WRFKEA09      XMONTH20120301          EAAPSUMTR1
TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEAAPULS1
PX      2
***** WET PULSE*****
WRFKEA10      5440 XMONTH20120301          FKEAWPLWP1
TO      6          ADD          BF--EASWP3
PX      2
WRFKEA11      XMONTH20120301          EAWPWIRTR1
TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEAWPLWP1
PX      2
WRFKEA10      8990 XMONTH20120301          FKEAWPLSP1
TO      6          ADD          BF--EASWP3
PX      2
WRFKEA12      XMONTH20120301          EAWPSRTR1
TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEAWPLSP1
PX      2
**
WRFKEA10      220 XMONTH20120301          FKEAWPULS1
TO      6          ADD          BF--EASWP3
PX      2
**
WRFKEA13      XMONTH20120301          EAWPSUMTR1
TO      2          ADD          NAEA66          CONT
TO      6          DIV          FKEAWPULS1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFEADPUL      1610 XMONTH20120301          EADPLWP1
TO      6          ADD          BF--EA-DP3
FS      5  FKEA03      1      0      1 9999999 2 1 1 4 11 2
PX      2
IFEADPUL      1610 XMONTH20120301 3          EADPLWP2
TO      6          ADD          BF--EA-DP3
FS      5  FKEA03      1      0      1 9999999 2 1 1 0 11 2
PX      2
IFEADPUL      4590 XMONTH20120301          EADPLSP1
TO      6          ADD          BF--EA-DP3
FS      5  FKEA04      1      0      1 9999999 2 1 1 4 3 6
PX      2
IFEADPUL      4590 XMONTH20120301 3          EADPLSP2
TO      6          ADD          BF--EA-DP3
FS      5  FKEA04      1      0      1 9999999 2 1 1 0 3 6
PX      2
***** AVG PULSE*****
IFEASPL      1610 XMONTH20120301          EAAPLSW1
TO      6          ADD          BF--EASAP3
FS      5  FKEA07      1      0      1 9999999 2 1 3 4 11 2
PX      2
IFEASPL      1610 XMONTH20120301 3          EAAPLSW2

```

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```

TO      6          ADD          BF--EASAP3
FS      5  FKEA07      1      0      1 9999999  2  1  3  0 11  2
PX      2
IFEAASPL 4590  XMONTH20120301          EAASPS1
TO      6          ADD          BF--EASAP3
FS      5  FKEA08      1      0      1 9999999  2  1  3  4  3  6
PX      2
IFEAASPL 4590  XMONTH20120301  3          EAASPS2
TO      6          ADD          BF--EASAP3
FS      5  FKEA08      1      0      1 9999999  2  1  3  0  3  6
PX      2
***** WET PULSE *****
IFEAWSPL 5440  XMONTH20120301          EASWP1
TO      6          ADD          BF--EASWP3
FS      5  FKEA11      1      0      1 9999999  2  1  2  4 11  2
PX      2
IFEAWSPL 5440  XMONTH20120301  3          EASWP2
TO      6          ADD          BF--EASWP3
FS      5  FKEA11      1      0      1 9999999  2  1  2  0 11  2
PX      2
IFEAWSPL 8990  XMONTH20120301          EASWP1
TO      6          ADD          BF--EASWP3
FS      5  FKEA12      1      0      1 9999999  2  1  2  4  3  6
PX      2
IFEAWSPL 8990  XMONTH20120301  3          EASWP2
TO      6          ADD          BF--EASWP3
FS      5  FKEA12      1      0      1 9999999  2  1  2  0  3  6
PX      2
IFEAWSPL 220  XMONTH20120301          EASW1
TO      6          ADD          BF--EASW3
FS      5  FKEA13      1      0      1 9999999  2  1  2  4  7 10
PX      2
IFEAWSPL 220  XMONTH20120301  3          EASW2
TO      6          ADD          BF--EASW3
FS      5  FKEA13      1      0      1 9999999  2  1  2  0  7 10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFEADPUL 20120301          EADPFIN
TO      13         ADD          EADPLW2  CONT
TO      13         ADD          EADPLSP2 CONT
TO      16         MUL          LOWDRY
PX      2
***** AVERAGE *****
IFEAASPL 20120301          EAASPFIN
TO      13         ADD          EAAPLW2  CONT
TO      13         ADD          EAASPS2  CONT
TO      16         MUL          LOWAVG
PX      2
***** WET *****
IFEAWSPL 20120301          EAWSFIN
TO      13         ADD          EASWP2  CONT
TO      13         ADD          EASWP2  CONT
TO      13         ADD          EASW12  CONT
TO      16         MUL          LOWWET
PX      2
**
**BRAZOS RIVER NEAR HEMPSTEAD
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRHE 20120301 1.0000 DMRLBRHE SB3DUM
TO      2      1.0      BRHE68
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE17 XMONTH20120301          BF--HE-DP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          HEDFND
PX      2
WRFAKE17 XMONTH20120301          BF--HE-DP2
TO      6          ADD          BF--HE-DP1  CONT
TO      2          DIV          DAYSPY
PX      2
WRFAKE17 723373 HE-DRY20120301          BF--HE-DP3
TO      6          MUL          BF--HE-DP2
PX      2
*****Avg PULSE DAYS*****
WRFAKE17 XMONTH20120301          BF--HESAP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          HEASPD
PX      2

```


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```

WRFKHE17          XMONTH20120301          BF--HESAP2
TO 6              ADD                      BF--HESAP1  CONT
TO 2              DIV                      DAYSPP
PX 2
WRFKHE17 1125729 HE-AVG20120301          BF--HESAP3
TO 6              MUL                      BF--HESAP2
PX 2
*****WET PULSE DAYS*****
WRFKHE17          XMONTH20120301          BF--HESWP1
TO 2              ADD                      DAYSPP          CONT
TO 2              SUB                      HEWSPD
PX 2
WRFKHE17          XMONTH20120301          BF--HESWP2
TO 6              ADD                      BF--HESWP1  CONT
TO 2              DIV                      DAYSPP
PX 2
WRFKHE17 2018318 HE-WET20120301          BF--HESWP3
TO 6              MUL                      BF--HESWP2
PX 2
*****set subsistence flow*****
IFHESUBS 368829 HE-SUB20120301          HE-SUB1
TO 16           MUL                      LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFHE-DRY 723373 HE-DRY20120301          HE-DRY1
TO 16           MUL                      LOWDRY
PX 2
WRHENOSB 1 XMONTH20120301          HENOSUB2
FS 12 LOWDRY 0 1 1 9999999 1
PX 2
WRFKHE01          20120301          HOLDHEBASE
TO 13           ADD                      HE-DRY1
PX 2
WRFKHE02          20120301          HEONOFF
TO 2              ADD                      BRHE68          CONT
TO 6              DIV                      HOLDHEBASE  CONT
TO 6              ADD                      HENOSUB2
PX 2
IFHE-DRY          20120301          HE-DRY2
TO 13           ADD                      HE-DRY1
FS 5  FKHE02 1 0 1 9999999 1
PX 2
IFHESUBS          HE-SUB20120301 2          HE-SUB2
TO 2              ADD                      BRHE68          CONT
TO 13           SUB                      HE-SUB1          CONT
TO 2              DIV                      HALF           CONT
TO 13           ADD                      HE-SUB1
FS 5  FKHE02 0 1 1 9999999 1
PX 2
IFHE-DRY          20120301          HE-DRY3
TO 13           ADD                      HE-SUB2  CONT
TO 13           MAX                      HE-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFHE-AVG 1125729 HE-AVG20120301          HE-AVG
TO 16           MUL                      LOWAVG
PX 2
*****SET WET BASE FLOW, *****
IFHE-WET 2018318 HE-WET20120301          HE-WET
TO 16           MUL                      LOWWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKHE02 49800 XMONTH20120301          FKHEPULW1
TO 6              ADD                      BF--HE-DP3
PX 2
WRFKHE03          XMONTH20120301          HEDPWIRTRG
TO 2              ADD                      BRHE68          CONT
TO 6              DIV                      FKHEPULW1
PX 2
WRFKHE02 85000 XMONTH20120301          FKHEPULS1
TO 6              ADD                      BF--HE-DP3
PX 2
WRFKHE04          XMONTH20120301          HEDPSPRTRG
TO 2              ADD                      BRHE68          CONT
TO 6              DIV                      FKHEPULS1
PX 2
**
WRFKHE02 17000 XMONTH20120301          FKHEPULS1
TO 6              ADD                      BF--HE-DP3
PX 2
**
WRFKHE05          XMONTH20120301          HEDPSUMTRG
    
```

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```

TO      2      ADD      BRHE68      CONT
TO      6      DIV      FKHEDPULS1
PX      2
***** AVERAGE PULSE *****
WRFKHE06 49800 XMONTH20120301      FKHEAPLWP1
TO      6      ADD      BF--HESAP3
PX      2
WRFKHE07      XMONTH20120301      HEAPWIRTR1
TO      2      ADD      BRHE68      CONT
TO      6      DIV      FKHEAPLWP1
PX      2
WRFKHE06 85000 XMONTH20120301      FKHEAPLSP1
TO      6      ADD      BF--HESAP3
PX      2
WRFKHE08      XMONTH20120301      HEAPSPRTR2
TO      2      ADD      BRHE68      CONT
TO      6      DIV      FKHEAPLSP1
PX      2
**
WRFKHE06 17000 XMONTH20120301      FKHEAPULS1
TO      6      ADD      BF--HESAP3
PX      2
**
WRFKHE09      XMONTH20120301      HEAPSUMTR1
TO      2      ADD      BRHE68      CONT
TO      6      DIV      FKHEAPULS1
PX      2
***** WET PULSE*****
WRFKHE10 125000 XMONTH20120301      FKHEWPLWP1
TO      6      ADD      BF--HESWP3
PX      2
WRFKHE11      XMONTH20120301      HEWPWIRTR1
TO      2      ADD      BRHE68      CONT
TO      6      DIV      FKHEWPLWP1
PX      2
WRFKHE10 219000 XMONTH20120301      FKHEWPLSP1
TO      6      ADD      BF--HESWP3
PX      2
WRFKHE12      XMONTH20120301      HEWPSPRTR1
TO      2      ADD      BRHE68      CONT
TO      6      DIV      FKHEWPLSP1
PX      2
**
WRFKHE10 40900 XMONTH20120301      FKHEWPULS1
TO      6      ADD      BF--HESWP3
PX      2
**
WRFKHE13      XMONTH20120301      HEWPSUMTR1
TO      2      ADD      BRHE68      CONT
TO      6      DIV      FKHEWPULS1
PX      2
**
***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
***** DRY *****
IFHEDPUL 49800 XMONTH20120301      HEDPLWP1
TO      6      ADD      BF--HE-DP3
FS      5      FKHE03      1      0      1 9999999 2 1 1 4 11 2
PX      2
IFHEDPUL 49800 XMONTH20120301 3      HEDPLWP2
TO      6      ADD      BF--HE-DP3
FS      5      FKHE03      1      0      1 9999999 2 1 1 0 11 2
PX      2
IFHEDPUL 85000 XMONTH20120301      HEDPLSP1
TO      6      ADD      BF--HE-DP3
FS      5      FKHE04      1      0      1 9999999 2 1 1 4 3 6
PX      2
IFHEDPUL 85000 XMONTH20120301 3      HEDPLSP2
TO      6      ADD      BF--HE-DP3
FS      5      FKHE04      1      0      1 9999999 2 1 1 0 3 6
PX      2
IFHEDPUL 17000 XMONTH20120301      HEDPULS1
TO      6      ADD      BF--HE-DP3
FS      5      FKHE05      1      0      1 9999999 2 1 1 4 7 10
PX      2
IFHEDPUL 17000 XMONTH20120301 3      HEDPULS2
TO      6      ADD      BF--HE-DP3
FS      5      FKHE05      1      0      1 9999999 2 1 1 0 7 10
PX      2
***** AVG PULSE*****
IFHEASPL 49800 XMONTH20120301      HEAPLSW1
TO      6      ADD      BF--HESAP3
FS      5      FKHE07      1      0      1 9999999 2 1 3 4 11 2
PX      2
IFHEASPL 49800 XMONTH20120301 3      HEAPLSW2
    
```

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```

TO      6          ADD                      BF--HESAP3
FS      5  FKHE07      1      0      1 9999999  2  1  3  0 11  2
PX      2
IFHEASPL 85000  XMONTH20120301          HEASPS1
TO      6          ADD                      BF--HESAP3
FS      5  FKHE08      1      0      1 9999999  2  1  3  4  3  6
PX      2
IFHEASPL 85000  XMONTH20120301  3          HEASPS2
TO      6          ADD                      BF--HESAP3
FS      5  FKHE08      1      0      1 9999999  2  1  3  0  3  6
PX      2
IFHEASPL 17000  XMONTH20120301          HEASPLS1
TO      6          ADD                      BF--HESAP3
FS      5  FKHE09      1      0      1 9999999  2  1  3  4  7 10
PX      2
IFHEASPL 17000  XMONTH20120301  3          HEASPLS2
TO      6          ADD                      BF--HESAP3
FS      5  FKHE09      1      0      1 9999999  2  1  3  0  7 10
PX      2
***** WET PULSE *****
IFHEWSPL 125000 XMONTH20120301          HESWP1
TO      6          ADD                      BF--HESWP3
FS      5  FKHE11      1      0      1 9999999  2  1  2  4 11  2
PX      2
IFHEWSPL 125000 XMONTH20120301  3          HESWP2
TO      6          ADD                      BF--HESWP3
FS      5  FKHE11      1      0      1 9999999  2  1  2  0 11  2
PX      2
IFHEWSPL 219000 XMONTH20120301          HESWP1
TO      6          ADD                      BF--HESWP3
FS      5  FKHE12      1      0      1 9999999  2  1  2  4  3  6
PX      2
IFHEWSPL 219000 XMONTH20120301  3          HESWP2
TO      6          ADD                      BF--HESWP3
FS      5  FKHE12      1      0      1 9999999  2  1  2  0  3  6
PX      2
IFHEWSPL 40900  XMONTH20120301          HESWPLS1
TO      6          ADD                      BF--HESWP3
FS      5  FKHE13      1      0      1 9999999  2  1  2  4  7 10
PX      2
IFHEWSPL 40900  XMONTH20120301  3          HESWPLS2
TO      6          ADD                      BF--HESWP3
FS      5  FKHE13      1      0      1 9999999  2  1  2  0  7 10
PX      2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFHEDPUL 20120301          HEDPFIN
TO      13          ADD                      HEDPLWP2  CONT
TO      13          ADD                      HEDPLSP2  CONT
TO      13          ADD                      HEDPULS2  CONT
TO      16          MUL                      LOWDRY
PX      2
***** AVERAGE *****
IFHEASPL 20120301          HEASPFIN
TO      13          ADD                      HEAPLSW2  CONT
TO      13          ADD                      HEASPS2  CONT
TO      13          ADD                      HEASPLS2  CONT
TO      16          MUL                      LOWAVG
PX      2
***** WET*****
IFHEWSPL 20120301          HEWSPFIN
TO      13          ADD                      HESWPWP2  CONT
TO      13          ADD                      HESWPSP2  CONT
TO      13          ADD                      HESWPLS2  CONT
TO      16          MUL                      LOWWET
PX      2
**
**BRAZOS RIVER AT RICHMOND
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRR 20120301          1.0000          DMRLBRR  SB3DUM
TO      2      1.0          BRR170
PX      2
** FNI Change end
**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE18 XMONTH20120301          BF--RC-DP1
TO      2          ADD                      DAYSPY          CONT
TO      2          SUB                      RCDPND
PX      2
WRFAKE18 XMONTH20120301          BF--RC-DP2
TO      6          ADD                      BF--RC-DP1  CONT

```

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```

TO      2          DIV          DAYSPY
PX      2
WRFK18  749663  RC-DRY20120301          BF--RC-DP3
TO      6          MUL          BF--RC-DP2
PX      2
*****Avg PULSE DAYS*****
WRFK18          XMONTH20120301          BF--RCSAP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          RCASPD
PX      2
WRFK18          XMONTH20120301          BF--RCSAP2
TO      6          ADD          BF--RCSAP1  CONT
TO      2          DIV          DAYSPY
PX      2
WRFK18  1233703  RC-AVG20120301          BF--RCSAP3
TO      6          MUL          BF--RCSAP2
PX      2
*****WET PULSE DAYS*****
WRFK18          XMONTH20120301          BF--RCSWP1
TO      2          ADD          DAYSPY          CONT
TO      2          SUB          RCWSPD
PX      2
WRFK18          XMONTH20120301          BF--RCSWP2
TO      6          ADD          BF--RCSWP1  CONT
TO      2          DIV          DAYSPY
PX      2
WRFK18  2282856  RC-WET20120301          BF--RCSWP3
TO      6          MUL          BF--RCSWP2
PX      2
*****set subsistence flow*****
IFRCSUBS  397757  RC-SUB20120301          RC-SUB1
TO      16         MUL          LOWDRY
PX      2
*****SET DRY BASE FLOW, *****
IFRC-DRY  749663  RC-DRY20120301          RC-DRY1
TO      16         MUL          LOWDRY
PX      2
WRRCNOSB  1      XMONTH20120301          RCNOSUB2
FS  12  LOWDRY  0      1      1 9999999  1
PX      2
WRFKRC01          20120301          HOLDRCBASE
TO      13         ADD          RC-DRY1
PX      2
WRFKRC02          20120301          RCNOSUB2
TO      2          ADD          BRRI70          CONT
TO      6          DIV          HOLDRCBASE  CONT
TO      6          ADD          RCNOSUB2
PX      2
IFRC-DRY          20120301          RC-DRY2
TO      13         ADD          RC-DRY1
FS  5      FKRC02  1      0      1 9999999  1
PX      2
IFRCSUBS          RC-SUB20120301  2          RC-SUB2
TO      2          ADD          BRRI70          CONT
TO      13         SUB          RC-SUB1          CONT
TO      2          DIV          HALF          CONT
TO      13         ADD          RC-SUB1
FS  5      FKRC02  0      1      1 9999999  1
PX      2
IFRC-DRY          20120301          RC-DRY3
TO      13         ADD          RC-SUB2  CONT
TO      13         MAX          RC-DRY2
PX      2
*****SET AVG BASE FLOW, *****
IFRC-AVG  1233703  RC-AVG20120301          RC-AVG
TO      16         MUL          LOWAVG
PX      2
*****SET WET BASE FLOW, *****
IFRC-WET  2282856  RC-WET20120301          RC-WET
TO      16         MUL          LOWWET
PX      2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****
WRFKRC02  60600  XMONTH20120301          FKRCPLWP1
TO      6          ADD          BF--RC-DP3
PX      2
WRFKRC03          XMONTH20120301          RCDPWIRTRG
TO      2          ADD          BRRI70          CONT
TO      6          DIV          FKRCPLWP1
PX      2
WRFKRC02  94000  XMONTH20120301          FKRCPLSP1
TO      6          ADD          BF--RC-DP3
PX      2

```

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```

WRFKRC04      XMONTH20120301      RCDPSRTRG
TO 2          ADD          BRRI70          CONT
TO 6          DIV          FKRCPLSP1
PX 2
**
WRFKRC02 16400 XMONTH20120301      FKRCDPULS1
TO 6          ADD          BF--RC-DP3
PX 2
**
WRFKRC05      XMONTH20120301      RCDPSUMTRG
TO 2          ADD          BRRI70          CONT
TO 6          DIV          FKRCDPULS1
PX 2
***** AVERAGE PULSE *****
WRFKRC06 60600 XMONTH20120301      FKRCAPLWP1
TO 6          ADD          BF--RCSAP3
PX 2
WRFKRC07      XMONTH20120301      RCAPWIRTR1
TO 2          ADD          BRRI70          CONT
TO 6          DIV          FKRCAPLWP1
PX 2
WRFKRC06 94000 XMONTH20120301      FKRCAPLSP1
TO 6          ADD          BF--RCSAP3
PX 2
WRFKRC08      XMONTH20120301      RCAPSPRTR2
TO 2          ADD          BRRI70          CONT
TO 6          DIV          FKRCAPLSP1
PX 2
**
WRFKRC06 16400 XMONTH20120301      FKRCAPULS1
TO 6          ADD          BF--RCSAP3
PX 2
**
WRFKRC09      XMONTH20120301      RCAPSUMTR1
TO 2          ADD          BRRI70          CONT
TO 6          DIV          FKRCAPULS1
PX 2
***** WET PULSE*****
WRFKRC10 150000 XMONTH20120301      FKRCWPLWP1
TO 6          ADD          BF--RCSWP3
PX 2
WRFKRC11      XMONTH20120301      RCWPWIRTR1
TO 2          ADD          BRRI70          CONT
TO 6          DIV          FKRCWPLWP1
PX 2
WRFKRC10 215000 XMONTH20120301      FKRCWPLSP1
TO 6          ADD          BF--RCSWP3
PX 2
WRFKRC12      XMONTH20120301      RCWPSRTR1
TO 2          ADD          BRRI70          CONT
TO 6          DIV          FKRCWPLSP1
PX 2
**
WRFKRC10 46300 XMONTH20120301      FKRCWPULS1
TO 6          ADD          BF--RCSWP3
PX 2
**
WRFKRC13      XMONTH20120301      RCWPSUMTR1
TO 2          ADD          BRRI70          CONT
TO 6          DIV          FKRCWPULS1
PX 2
**

```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****

```

***** DRY *****
IFRCDPUL 60600 XMONTH20120301      RCDPLWP1
TO 6          ADD          BF--RC-DP3
FS 5 FKRC03 1 0 1 999999 2 1 1 4 11 2
PX 2
IFRCDPUL 60600 XMONTH20120301 3      RCDPLWP2
TO 6          ADD          BF--RC-DP3
FS 5 FKRC03 1 0 1 999999 2 1 1 0 11 2
PX 2
IFRCDPUL 94000 XMONTH20120301      RCDPLSP1
TO 6          ADD          BF--RC-DP3
FS 5 FKRC04 1 0 1 999999 2 1 1 4 3 6
PX 2
IFRCDPUL 94000 XMONTH20120301 3      RCDPLSP2
TO 6          ADD          BF--RC-DP3
FS 5 FKRC04 1 0 1 999999 2 1 1 0 3 6
PX 2
IFRCDPUL 16400 XMONTH20120301      RCDPULS1
TO 6          ADD          BF--RC-DP3
FS 5 FKRC05 1 0 1 999999 2 1 1 4 7 10
PX 2

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```

IFRCDPUL 16400 XMONTH20120301 3 RCDPULS2
TO 6 ADD BF--RC-DP3
FS 5 FKRC05 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** AVG PULSE*****
IFRCASPL 60600 XMONTH20120301 RCAPLSW1
TO 6 ADD BF--RCSAP3
FS 5 FKRC07 1 0 1 9999999 2 1 3 4 11 2
PX 2
IFRCASPL 60600 XMONTH20120301 3 RCAPLSW2
TO 6 ADD BF--RCSAP3
FS 5 FKRC07 1 0 1 9999999 2 1 3 0 11 2
PX 2
IFRCASPL 94000 XMONTH20120301 RCASPSP1
TO 6 ADD BF--RCSAP3
FS 5 FKRC08 1 0 1 9999999 2 1 3 4 3 6
PX 2
IFRCASPL 94000 XMONTH20120301 3 RCASPSP2
TO 6 ADD BF--RCSAP3
FS 5 FKRC08 1 0 1 9999999 2 1 3 0 3 6
PX 2
IFRCASPL 16400 XMONTH20120301 RCASPLS1
TO 6 ADD BF--RCSAP3
FS 5 FKRC09 1 0 1 9999999 2 1 3 4 7 10
PX 2
IFRCASPL 16400 XMONTH20120301 3 RCASPLS2
TO 6 ADD BF--RCSAP3
FS 5 FKRC09 1 0 1 9999999 2 1 3 0 7 10
PX 2
***** WET PULSE *****
IFRCWSPL 150000 XMONTH20120301 RCSWPWP1
TO 6 ADD BF--RCSWP3
FS 5 FKRC11 1 0 1 9999999 2 1 2 4 11 2
PX 2
IFRCWSPL 150000 XMONTH20120301 3 RCSWPWP2
TO 6 ADD BF--RCSWP3
FS 5 FKRC11 1 0 1 9999999 2 1 2 0 11 2
PX 2
IFRCWSPL 215000 XMONTH20120301 RCSWPSP1
TO 6 ADD BF--RCSWP3
FS 5 FKRC12 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFRCWSPL 215000 XMONTH20120301 3 RCSWPSP2
TO 6 ADD BF--RCSWP3
FS 5 FKRC12 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFRCWSPL 46300 XMONTH20120301 RCSWPLS1
TO 6 ADD BF--RCSWP3
FS 5 FKRC13 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFRCWSPL 46300 XMONTH20120301 3 RCSWPLS2
TO 6 ADD BF--RCSWP3
FS 5 FKRC13 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFRCDPUL 20120301 RCDPFIN
TO 13 ADD RCDPLWP2 CONT
TO 13 ADD RCDPLSP2 CONT
TO 13 ADD RCDPULS2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVERAGE *****
IFRCASPL 20120301 RCASPFIN
TO 13 ADD RCAPLSW2 CONT
TO 13 ADD RCASPSP2 CONT
TO 13 ADD RCASPLS2 CONT
TO 16 MUL LOWAVG
PX 2
***** WET*****
IFRCWSPL 20120301 RCWSPFIN
TO 13 ADD RCSWPWP2 CONT
TO 13 ADD RCSWPSP2 CONT
TO 13 ADD RCSWPLS2 CONT
TO 16 MUL LOWWET
PX 2
**
**BRAZOS RIVER AT ROSHARON
**
** FNI Change - ADD DUMMY WR TO RECORD REGULATED FLOWS 1 DAY SENIOR TO SB3 IFS
WRDMBRRO 20120301 1.0000 DMRLBRRO SB3DUM
TO 2 1.0 BRRO72
PX 2
** FNI Change end
    
```

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```

**
** DETERMINE NUMBER OF DAYS ARE OUTSIDE OF THE VARIOUS VOLUMES, TO TAKE INTO ACCOUNT THAT
** PULSE VOLUME GIVEN BY BBEST WAS FOR PERIOD LESS THAN 1 MONTH.
*****Dry Days*****
WRFAKE19      XMONTH20120301      BF--RO-DP1
TO 2          ADD                      CONT
TO 2          SUB                      RODPND
PX 2
WRFAKE19      XMONTH20120301      BF--RO-DP2
TO 6          ADD                      BF--RO-DP1  CONT
TO 2          DIV                      DAYSPY
PX 2
WRFAKE19 799871 RO-DRY20120301      BF--RO-DP3
TO 6          MUL                      BF--RO-DP2
PX 2
*****Avg PULSE DAYS*****
WRFAKE19      XMONTH20120301      BF--ROSAP1
TO 2          ADD                      CONT
TO 2          SUB                      ROASPD
PX 2
WRFAKE19      XMONTH20120301      BF--ROSAP2
TO 6          ADD                      BF--ROSAP1  CONT
TO 2          DIV                      DAYSPY
PX 2
WRFAKE19 1464255 RO-AVG20120301      BF--ROSAP3
TO 6          MUL                      BF--ROSAP2
PX 2
*****WET PULSE DAYS*****
WRFAKE19      XMONTH20120301      BF--ROSWP1
TO 2          ADD                      CONT
TO 2          SUB                      ROWSPD
PX 2
WRFAKE19      XMONTH20120301      BF--ROSWP2
TO 6          ADD                      BF--ROSWP1  CONT
TO 2          DIV                      DAYSPY
PX 2
WRFAKE19 2904551 RO-WET20120301      BF--ROSWP3
TO 6          MUL                      BF--ROSWP2
PX 2
*****set subsistence flow*****
IFROSUBS 310974 RO-SUB20120301      RO-SUB1
TO 16      MUL                      LOWDRY
PX 2
*****SET DRY BASE FLOW, *****
IFRO-DRY 799871 RO-DRY20120301      RO-DRY1
TO 16      MUL                      LOWDRY
PX 2
WRRONOSB 1 XMONTH20120301      RONOSUB2
FS 12 LOWDRY 0 1 1 999999 1
PX 2
WRFKRO01      20120301      HOLDROBASE
TO 13      ADD                      RO-DRY1
PX 2
WRFKRO02      20120301      ROONOFF
TO 2          ADD                      BRRO72      CONT
TO 6          DIV                      HOLDROBASE  CONT
TO 6          ADD                      RONOSUB2
PX 2
IFRO-DRY      20120301      RO-DRY2
TO 13      ADD                      RO-DRY1
FS 5 FKRO02 1 0 1 999999 1
PX 2
IFROSUBS      RO-SUB20120301 2      RO-SUB2
TO 2          ADD                      BRRO72      CONT
TO 13      SUB                      RO-SUB1      CONT
TO 2          DIV                      HALF        CONT
TO 13      ADD                      RO-SUB1
FS 5 FKRO02 0 1 1 999999 1
PX 2
IFRO-DRY      20120301      RO-DRY3
TO 13      ADD                      RO-SUB2      CONT
TO 13      MAX                      RO-DRY2
PX 2
*****SET AVG BASE FLOW, *****
IFRO-AVG 1464255 RO-AVG20120301      RO-AVG
TO 16      MUL                      LOWAVG
PX 2
*****SET WET BASE FLOW, *****
IFRO-WET 2904551 RO-WET20120301      RO-WET
TO 16      MUL                      LOWWET
PX 2
***** DRY *****
***** Developing pulse+base flow targets (Each Season), *****

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```

WRFKRO02  94700  XMONTH20120301          FKRODPLWP1
TO 6          ADD          BF--RO-DP3
PX 2
WRFKRO03          XMONTH20120301          RODPWIRTRG
TO 2          ADD          BRRO72          CONT
TO 6          DIV          FKRODPLWP1
PX 2
WRFKRO02  58500  XMONTH20120301          FKRODPLSP1
TO 6          ADD          BF--RO-DP3
PX 2
WRFKRO04          XMONTH20120301          RODPSRTRG
TO 2          ADD          BRRO72          CONT
TO 6          DIV          FKRODPLSP1
PX 2
**
WRFKRO02  14900  XMONTH20120301          FKRODPULS1
TO 6          ADD          BF--RO-DP3
PX 2
**
WRFKRO05          XMONTH20120301          RODPSUMTRG
TO 2          ADD          BRRO72          CONT
TO 6          DIV          FKRODPULS1
PX 2
***** AVERAGE PULSE *****
WRFKRO06  94700  XMONTH20120301          FKROAPLWP1
TO 6          ADD          BF--ROSAP3
PX 2
WRFKRO07          XMONTH20120301          ROAPWIRTR1
TO 2          ADD          BRRO72          CONT
TO 6          DIV          FKROAPLWP1
PX 2
WRFKRO06  58500  XMONTH20120301          FKROAPLSP1
TO 6          ADD          BF--ROSAP3
PX 2
WRFKRO08          XMONTH20120301          ROAPSPRTR1
TO 2          ADD          BRRO72          CONT
TO 6          DIV          FKROAPLSP1
PX 2
**
WRFKRO06  14900  XMONTH20120301          FKROAPULS1
TO 6          ADD          BF--ROSAP3
PX 2
**
WRFKRO09          XMONTH20120301          ROAPSUMTR1
TO 2          ADD          BRRO72          CONT
TO 6          DIV          FKROAPULS1
PX 2
***** WET PULSE*****
WRFKRO10  168000 XMONTH20120301          FKROWPLWP1
TO 6          ADD          BF--ROSWP3
PX 2
WRFKRO11          XMONTH20120301          ROWPWIRTR1
TO 2          ADD          BRRO72          CONT
TO 6          DIV          FKROWPLWP1
PX 2
WRFKRO10  184000 XMONTH20120301          FKROWPLSP1
TO 6          ADD          BF--ROSWP3
PX 2
WRFKRO12          XMONTH20120301          ROWPSRTR1
TO 2          ADD          BRRO72          CONT
TO 6          DIV          FKROWPLSP1
PX 2
**
WRFKRO10  39100  XMONTH20120301          FKROWPULS1
TO 6          ADD          BF--ROSWP3
PX 2
**
WRFKRO13          XMONTH20120301          ROWPSUMTR1
TO 2          ADD          BRRO72          CONT
TO 6          DIV          FKROWPULS1
PX 2
**

```

***** Counting Qualifying Months and Employ Frequency Per Season Switch (by season)*****
 ***** DRY *****

```

IFRODPUL  94700  XMONTH20120301          RODPLWP1
TO 6          ADD          BF--RO-DP3
FS 5  FKRO03    1      0      1 9999999  2  1  1  4 11  2
PX 2
IFRODPUL  94700  XMONTH20120301    3          RODPLWP2
TO 6          ADD          BF--RO-DP3
FS 5  FKRO03    1      0      1 9999999  2  1  1  0 11  2
PX 2
IFRODPUL  58500  XMONTH20120301          RODPLSP1
TO 6          ADD          BF--RO-DP3

```


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```

FS 5 FKRO04 1 0 1 9999999 2 1 1 4 3 6
PX 2
IFRODPUL 58500 XMONTH20120301 3 RODPLSP2
TO 6 ADD BF--RO-DP3
FS 5 FKRO04 1 0 1 9999999 2 1 1 0 3 6
PX 2
IFRODPUL 14900 XMONTH20120301 RODPULS1
TO 6 ADD BF--RO-DP3
FS 5 FKRO05 1 0 1 9999999 2 1 1 4 7 10
PX 2
IFRODPUL 14900 XMONTH20120301 3 RODPULS2
TO 6 ADD BF--RO-DP3
FS 5 FKRO05 1 0 1 9999999 2 1 1 0 7 10
PX 2
***** AVG PULSE*****
IFROASPL 94700 XMONTH20120301 ROAPLSW1
TO 6 ADD BF--ROSAP3
FS 5 FKRO07 1 0 1 9999999 2 1 3 4 11 2
PX 2
IFROASPL 94700 XMONTH20120301 3 ROAPLSW2
TO 6 ADD BF--ROSAP3
FS 5 FKRO07 1 0 1 9999999 2 1 3 0 11 2
PX 2
IFROASPL 58500 XMONTH20120301 ROASPS1
TO 6 ADD BF--ROSAP3
FS 5 FKRO08 1 0 1 9999999 2 1 3 4 3 6
PX 2
IFROASPL 58500 XMONTH20120301 3 ROASPS2
TO 6 ADD BF--ROSAP3
FS 5 FKRO08 1 0 1 9999999 2 1 3 0 3 6
PX 2
IFROASPL 14900 XMONTH20120301 ROASPLS1
TO 6 ADD BF--ROSAP3
FS 5 FKRO09 1 0 1 9999999 2 1 3 4 7 10
PX 2
IFROASPL 14900 XMONTH20120301 3 ROASPLS2
TO 6 ADD BF--ROSAP3
FS 5 FKRO09 1 0 1 9999999 2 1 3 0 7 10
PX 2
***** WET PULSE *****
IFROWSPL 168000 XMONTH20120301 ROSWPWP1
TO 6 ADD BF--ROSWP3
FS 5 FKRO11 1 0 1 9999999 2 1 2 4 11 2
PX 2
IFROWSPL 168000 XMONTH20120301 3 ROSWPWP2
TO 6 ADD BF--ROSWP3
FS 5 FKRO11 1 0 1 9999999 2 1 2 0 11 2
PX 2
IFROWSPL 184000 XMONTH20120301 ROSWPSP1
TO 6 ADD BF--ROSWP3
FS 5 FKRO12 1 0 1 9999999 2 1 2 4 3 6
PX 2
IFROWSPL 184000 XMONTH20120301 3 ROSWPSP2
TO 6 ADD BF--ROSWP3
FS 5 FKRO12 1 0 1 9999999 2 1 2 0 3 6
PX 2
IFROWSPL 39100 XMONTH20120301 ROSWPLS1
TO 6 ADD BF--ROSWP3
FS 5 FKRO13 1 0 1 9999999 2 1 2 4 7 10
PX 2
IFROWSPL 39100 XMONTH20120301 3 ROSWPLS2
TO 6 ADD BF--ROSWP3
FS 5 FKRO13 1 0 1 9999999 2 1 2 0 7 10
PX 2
***** COMBINE TO CREATE IF FOR ENTIRE YEAR, *****
***** DRY *****
IFRODPUL 20120301 RODPFIN
TO 13 ADD RODPLWP2 CONT
TO 13 ADD RODPLSP2 CONT
TO 13 ADD RODPULS2 CONT
TO 16 MUL LOWDRY
PX 2
***** AVERAGE *****
IFROASPL 20120301 ROASPFIN
TO 13 ADD ROAPLSW2 CONT
TO 13 ADD ROASPS2 CONT
TO 13 ADD ROASPLS2 CONT
TO 16 MUL LOWAVG
PX 2
***** WET*****
IFROWSPL 20120301 ROWSPFIN
TO 13 ADD ROSWPWP2 CONT
TO 13 ADD ROSWPSP2 CONT
TO 13 ADD ROSWPLS2 CONT
    
```

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```

TO      16          MUL          LOWWET
PX      2
**
** End of SB3 Eflows code
**
** System Operation Modeling - modeling at a priority of 03/02/2012 to preserve prior appropriation
** relative to 30 TAC 298 environmental flow standards
** Refill reservoirs with QUNAP.
WR515531  0.          20120302          C5155_RF2_4  SYSTEM
WSPOSDOM 522047.          0
PX      2
WR515631  0.          20120302          C5156_RF2_4  SYSTEM
WSGRNBRY 118568.
PX      2
WR515731  0.          20120302          C5157_RF2_4  SYSTEM
WSBRAWHT 50000.          1
PX      2
WR515831  0.          20120302          C5158_RF2_4  SYSTEM
WSAQUILA 31575.          0
PX      2
WR515931  0.          20120302          C5159_RF2_4  SYSTEM
WSPRCTOR 45424.          0
PX      2
WR516031  0.          20120302          C5160_RF2_4  SYSTEM
WSBRABEL 402151.          0          3
PX      2
WR516131  0.          20120302          C5161_RF2_4  SYSTEM
WSSTLHSE 223336.          0
PX      2
WR516231  0.          20120302          C5162_RF2_4  SYSTEM
WSGRGTWN 36934.          0
PX      2
WR516331  0.          20120302          C5163_RF2_4  SYSTEM
WSGRNGER 43158.          0
PX      2
WR516431  0.          20120302          C5164_RF2_4  SYSTEM
WSSMRVLE 128311.          0
PX      2
WR516531  0.          20120302          C5165_RF2_4  SYSTEM
WSLMSTNE 175882.          0
PX      2
**WR292531  0.          20120302          ALLENS_RF2_4  SYSTEM
**WSALLENS 145533.
**PX      2
**
** Downstream - Palo Pinto
**
WRBRPP27  1200.      IND220120302  2  2  0.0000          PLOT2_DS_IND  C5155  PK_DS
WSPOSDOM 522047.          0
OR515531
PX      2
**
** Dennis
**
WRBRDE29  50.          IRR220120302  2  2  0.0000          DNNT2_DS_IRR  C5155  PK_DS
WSPOSDOM 522047.          0
OR515531
PX      2
**
WRBRDE29  1000.      MIN220120302  2  2  0.0000          DNNT2_DS_MIN  C5155  PK_DS
WSPOSDOM 522047.          0
OR515531
PX      2
**
** Glen Rose
**
WRBRGR30  200.          IRR220120302  2  2  0.0000          GBYT2_DS_IRR  C5156  GB_SS
WSGRNBRY 118568.          0
OR515631  46500      1.0  1.0  0  0  0
WSPOSDOM 522047.          0
OR515531  218922      0.5  1.0  0  0  0
PX      2
**
WRBRGR30  1000.      MIN220120302  2  2  0.0000          GBYT2_DS_MIN  C5156  GB_DS
WSGRNBRY 118568.          0
OR515631  46500      1.0  1.0  0  0  0
WSPOSDOM 522047.          0
OR515531  218922      0.5  1.0  0  0  0
PX      2
**
** Whitney downstream
**
** Limit to 10,994 ac-ft yr

```

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```

WR433001 10994 XMONTH20120302 8          WTYT2_DS_LIM  C5157  WH_DS
TO -7          SUB          WTYT2_DS_IND  CONT
TO -7          SUB          WTYT2_DS_INDSYS
**
** Diversion from Whitney only
WR433001 11722.  IND220120302  2  2  0.0000          WTYT2_DS_IND  C5157  WH_DS
WSBRAWHT 50000.          1
**OR515731 0 2.0 1.0 0 0 0 1
**WSGRNBRY 118568.
**OR515631 46500 1.0 -1 0 0 0
**WSPOSDOM 522047.
**OR515531 218922 0.5 1.0 0 0 0
LO 13          SET          WTYT2_DS_LIM
PX 2
**
** Backup from system. Change ID to reflect diversion location
**WR433001 0. IRR220120302 2 2 0.0000          WTYT2_DS_IRR  C5157  WH_DS
WR433001 0. IRR220120302 2 2 0.0000          WTYT2_DS_INDSYS  C5157  WH_DS
WSBRAWHT 50000.          1
OR515731 0 2.0 1.0 0 0 0
WSGRNBRY 118568.
OR515631 46500 1.0 -1 0 0 0
WSPOSDOM 522047.
OR515531 218922 0.5 1.0 0 0 0
BU          WTYT2_DS_IND
LO 13          SET          WTYT2_DS_LIM  CONT
LO 6          SUB          WTYT2_DS_INDSYS
PX 2
**
** Backup of Temple.
** Limit to 26,190 ac-ft yr
**
WR293831 30453.  MUN220120302  2  2  0.0000          BLNT2_DS_TEMPLE  C5160  BE_DS
WSBRABEL 402151.          3 -1
OR516031
SO          26190
PX 2
**
** Belton Downstream irrigation - assume at P40121, Belton only
**
WRP40121 200. IRR220120302 2 2 0.0000          BLNT2_DS_IRR  C5160  BE_DS
WSBRABEL 402151.          3 -1
OR516031
PX 2
**
** Stillhouse downstream
WRLABE52 8. IRR320120302 2 2 0.0000          STIT2_DS_IRR  C5161  SH_DS
WSSTLHSE 223336.
OR516131
PX 2
**
** Limestone downstream, take all at CON145
**
** Limit to 7,004 ac-ft yr
**
WR433001 7004 XMONTH20120302 8          LLST2_DS_LIM  C5165  LS_DS
TO -7          SUB          LLST2_DS_MUN  CONT
TO -7          SUB          LLST2_DS_TMPA
**
WRCON145 4000.  MUN320120302  2  2  0.0000          LLST2_DS_MUN  C5165  LS_DS
WSLMSTNE 175882.          0
OR516531
LO 13          SET          LLST2_DS_LIM
PX 2
**
** TMPA contract amount
**
WR530701 3600 20120302 2 1 1.0000 DUMGIB          LLST2_DS_TMPA  C5165  LS_DS
WSLMSTNE 175882.          0
OR516531
LO 13          SET          LLST2_DS_LIM  CONT
LO 6          SUB          LLST2_DS_MUN
PX 2
**
** BRA system modeling
**
** Lorena, Marlin, Rosebud
** Limit to 2,300 ac-ft/yr
**
WRBRHB42 2300.  MUN220120302  2  2  0.0000          HIBT2_DS_MUN  C5157  WH_DS
WSBRAWHT 50000.          1
    
```

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```

OR515731      0      2.0      1.0      0      0      0
**WSGRNBRY 118568.
**OR515631 46500      1.0      -1      0      0      0
WSPOSDOM 522047.
OR515531 218922      0.5      1.0      0      0      0
WSAQUILA 31575.
OR515831 35000      1.0      1.0      0      35000      0
SO          2300
PX          2
**
** College station - future demand
** System
** System - Put at CON122, just below Bryan gage
** Change to YEGBR since below Bryan gage (BBZT2)
** Limit to 2650 ac-ft yr
**
WRCON130 2650 XMONTH20120302 8
TO -7      SUB      YEGBR_DS_LIM C5157 WH_DS
TO -7      SUB      YEGBR_DS_MUN CONT
**      YEGBR_DS_IRR
**
**WRBRBR59 2500.      MUN320120302 2 2 0.0000      BBZT2_DS_MUN C5157 WH_DS
WRCON122 2500.      MUN320120302 2 2 0.0000      YEGBR_DS_MUN C5157 WH_DS
WSBRAWHT 50000.
OR515731      0      2.0      1.0      0      0      0
**WSGRNBRY 118568.
**OR515631 46500      1.0      -1      0      0      0
WSPOSDOM 522047.
OR515531 218922      0.5      1.0      0      0      0
**WSGRNGER 43158.
**OR516331 19650      1.0      1.0      0      0      0
**WSGRGTWN 36934.
**OR516231 11130      1.0      -1      0      0      0
**WSSTLHSE 223336.
**OR516131 70710      1.0      1.0      0      0      0
**WSBRABEL 402151.
**OR516031 137280      1.0      0.1      0      0      0      3      -1
LO 13      SET      YEGBR_DS_LIM
PX 2
**
** System demand Bryan gage
**
WRBRBR59 200.      IRR320120302 2 2 0.0000      BBZT2_DS_IRR C5157 WH_DS
WSBRAWHT 50000.
OR515731      0      2.0      1.0      0      0      0
**WSGRNBRY 118568.
**OR515631 46500      1.0      -1      0      0      0
WSPOSDOM 522047.
OR515531 218922      0.5      1.0      0      0      0
**WSGRNGER 43158.
**OR516331 19650      1.0      1.0      0      0      0
**WSGRGTWN 36934.
**OR516231 11130      1.0      -1      0      0      0
**WSSTLHSE 223336.
**OR516131 70710      1.0      1.0      0      0      0
**WSBRABEL 402151.
**OR516031 137280      1.0      0.1      0      0      0      3      -1
PX 2
**
**
WRCON130 150.      IRR320120302 2 2 0.0000      YEGBR_DS_IRR C5157 WH_DS
WSBRAWHT 50000.
OR515731      0      2.0      1.0      0      0      0
**WSGRNBRY 118568.
**OR515631 46500      1.0      -1      0      0      0
WSPOSDOM 522047.
OR515531 218922      0.5      1.0      0      0      0
**WSGRNGER 43158.
**OR516331 19650      1.0      1.0      0      0      0
**WSGRGTWN 36934.
**OR516231 11130      1.0      -1      0      0      0
**WSSTLHSE 223336.
**OR516131 70710      1.0      1.0      0      0      0
**WSBRABEL 402151.
**OR516031 137280      1.0      0.1      0      0      0      3      -1
LO 13      SET      YEGBR_DS_LIM CONT
LO 6      SUB      YEGBR_DS_MUN
PX 2
**
** Alcoa contract
** Limit to 4583 ac-ft/yr
**
WR375801 5000      20120302 2 1 1.0000 AL_DUM      GLKT2_DS_IND C5163 GN_DS
**WSGRNGER 43158.
    
```

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```

**OR516331 19650 1.0 1.0 0 0 0
WSBRABEL 402151. 0 3 -1
OR516031 137280 1.0 1.0 0 0 0
**WSGRGTWN 36934. 0
**OR516231 11130 0.1 -1 0 0 0
WSSTLHSE 223336. 0
OR516131 70710 1.0 1.0 0 0 0
SO 4583
PX 2
**
** downstream irr - System demand
**
WRW12421 540. IRR420120302 2 2 0.0000 NAVBR_DS_IRR C5164 SO_DS
WSSMRVLE 128311. 500
OR516431 48033 1.0 1.0 0 0 0
WSBRAWHT 50000. 0 1
OR515731 0 2.0 1.0 0 0 0
**WSLMSTNE 175882. 0
**OR516531 67620 1.0 1.0 0 0 0
**WSGRNBRY 118568. 0
**OR515631 46500 1.0 -1 0 0 0
WSPOSDOM 522047. 0
OR515531 218922 0.5 1.0 0 0 0
**WSGRNGER 43158. 0
**OR516331 19650 1.0 1.0 0 0 0
**WSSTLHSE 223336. 0
**OR516131 70710 1.0 1.0 0 0 0
**WSBRABEL 402151. 0 3 -1
**OR516031 137280 1.0 0.1 0 0 0
PX 2
**
** Demands at Richmond
**
** Limit to 97,072 ac-ft yr
** not limiting because NRG can be assigned to excess flows
**
WRBRR170 97072 XMONTH20120302 8 RMOT2_SYS_LIM C5164 SO_DS
TO -7 SUB RMOT2_SYS_IRR CONT
TO -7 SUB RMOT2_SYS_NRG CONT
TO -7 SUB RMOT2_SYS_NRG2
**
WRBRR170 50. IRR420120302 2 2 0.0000 RMOT2_SYS_IRR C5164 SO_DS
WSSMRVLE 128311. 500
OR516431 48033 1.0 1.0 0 0 0
WSBRAWHT 50000. 0 1
OR515731 0 2.0 1.0 0 0 0
**WSALLENS 145533. 0
**OR292531 0 1.0 1.0
WSLMSTNE 175882. 0
OR516531 67620 1.0 -1 0 0 0
**WSGRNBRY 118568. 0
**OR515631 46500 1.0 1.0 0 0 0
WSPOSDOM 522047. 0
OR515531 218922 0.5 1.0 0 0 0
**WSGRNGER 43158. 0
**OR516331 19650 1.0 1.0 0 0 0
**WSSTLHSE 223336. 0
**OR516131 70710 1.0 1.0 0 0 0
**WSBRABEL 402151. 0 3 -1
**OR516031 137280 1.0 0.1 0 0 0
**LO 13 SET RMOT2_SYS_LIM
PX 2
**
** Rosharon
**
** Limit to 475,310 ac-ft yr
**
WRBRR072 475310 XMONTH20120302 8 ROST2_SYS_LIM C5164 SO_DS
TO -7 SUB ROST2_SYS_MUN CONT
TO -7 SUB ROST2_SYS_MUN2 CONT
TO -7 SUB ROST2_SYS_GCWA CONT
TO -7 SUB ROST2_SYS_GCWA2 CONT
TO -7 SUB ROST2_SYS_DOW CONT
TO -7 SUB ROST2_SYS_FIXED CONT
TO -7 SUB ROST2_SYS_FIXED2 CONT
TO -7 SUB ROST2_SYS_YIELD2 CONT
TO -7 SUB ROST2_SYS_YIELD
**
** Reduce to contract amount
**
** 1950s drought
WRBRR072 12720. MUN420120302 2 2 0.0000 ROST2_SYS_MUN C5164 SO_DS

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```

WSSMRVLE 128311.          500
OR516431  48033          1.0    1.0    0    0    0
WSBRAWHT  50000.          0    0    0    0    0    1
OR515731   0            2.0    1.0    0    0    0
**WSALLENS 145533.          0
**OR292531  0            1.0    1.0
WSLMSTNE 175882.          0
OR516531  67620          1.0    -1    0    0    0    1000
WSGRNBRY 118568.          0
OR515631  46500          0.1    -1    0    0    0
WSPOSDOM 522047.          0
OR515531  218922          0.5    0.1    0    0    0
**WSGRNGER 43158.          0
**OR516331  19650          1.0    1.0    0    0    0
**WSSTLHSE 223336.          0
**OR516131  70710          1.0    1.0    0    0    0
**WSBRABEL 402151.          0    0    3    -1
**OR516031  137280          1.0    1.0    0    0    0
TO 13          MUL          use_drop1    CONT
LO 13          SET          ROST2_SYS_LIM
PX 2
** New drought
WRBRRO72 12720.          MUN420120302  2  2  0.0000          ROST2_SYS_MUN2  C5164  SO_DS
WSSMRVLE 128311.          500
OR516431  48033          1.0    1.0    0    0    0
WSBRAWHT  50000.          0    0    0    0    0    1
OR515731   0            2.0    1.0    0    0    0
**WSALLENS 145533.          0
**OR292531  0            1.0    1.0
WSLMSTNE 175882.          0
OR516531  67620          1.0    -1    0    0    0
**WSGRNBRY 118568.          0
**OR515631  46500          1.0    1.0    0    0    0
WSPOSDOM 522047.          0
OR515531  218922          0.5    0.1    0    0    0
**WSGRNGER 43158.          0
**OR516331  19650          1.0    1.0    0    0    0
**WSSTLHSE 223336.          0
**OR516131  70710          1.0    1.0    0    0    0
**WSBRABEL 402151.          0    0    3    -1
**OR516031  137280          1.0    1.0    0    0    0
TO 13          MUL          use_drop2    CONT
LO 13          SET          ROST2_SYS_LIM    CONT
LO 6           SUB          ROST2_SYS_MUN
PX 2
**
** NRG backup.
**
WR532001          20120302  2  1  1.0000  D53251          RMOT2_SYS_NRG  C5157  WH_DS
WSSMRVLE 128311.          500
OR516431  48033          1.0    1.0    0    0    0
WSBRAWHT  50000.          0    0    0    0    0    1
OR515731   0            2.0    1.0    0    0    0
**WSALLENS 145533.          0
**OR292531  0            1.0    1.0
WSLMSTNE 175882.          0
OR516531  67620          1.0    -1    0    0    0    1000
WSGRNBRY 118568.          0
OR515631  46500          0.1    -1    0    0    0
WSPOSDOM 522047.          0
OR515531  218922          0.5    0.1    0    0    0
**WSGRNGER 43158.          0
**OR516331  19650          1.0    1.0    0    0    0
**WSSTLHSE 223336.          0
**OR516131  70710          1.0    1.0    0    0    0
**WSBRABEL 402151.          0    0    3    -1
**OR516031  137280          1.0    0.1    0    0    0
TO 5           SET          SMTHRS
**TO 5         SET          SMTHRS          CONT
**LO 13        SET          RMOT2_SYS_LIM    CONT
**LO 6         SUB          RMOT2_SYS_IRR
SO          83000
PX 2
** Fill Smithers
WR532531          20120302  1  2  0.0000          FILL_NRG  C5157  WH_DS
WSSMTHRS 17801.          0
SO          D53251
PX 2
**
** Rest of NRG contract - set to 83,000 max diversion of 35,008 under backup and Excess flows = 47,992
WR532001  83000          IND420120302  2  1  0.0000          RMOT2_SYS_NRG2  C5157  WH_DS
WSSMRVLE 128311.          500
OR516431  48033          1.0    1.0    0    0    0
WSBRAWHT  50000.          0    0    0    0    0    1
    
```

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```

OR515731      0      2.0      1.0      0      0      0
**WSALLENS 145533.
**OR292531    0      1.0      1.0
WSLMSTNE 175882.
OR516531    67620      1.0      -1      0      0      0      6500
WSGRNBRY 118568.
OR515631    46500      0.1      -1      0      0      0
WSPOSDOM 522047.
OR515531    218922      0.5      0.1      0      0      0
**WSGRNGER  43158.
**OR516331    19650      1.0      1.0      0      0      0
**WSSTLHSE  223336.
**OR516131    70710      1.0      1.0      0      0      0
**WSBRABEL  402151.
**OR516031    137280      1.0      0.1      0      0      0      3      -1
TO 11      1.0      SUB      RMOT2_SYS_NRG
**TO 11      1.0      SUB      RMOT2_SYS_NRG      CONT
**LO 13      SET      RMOT2_SYS_LIM      CONT
**LO 6      SUB      RMOT2_SYS_IRR      CONT
**LO 6      SUB      RMOT2_SYS_NRG
PX 2
**
** GCWA fixed demand
**
** 1950s drought
WRCON155    48080      20120302      2      2      0.0000      ROST2_SYS_GCWA      C5164      SO_DS
WSSMRVLE 128311.
OR516431    48033      1.0      1.0      0      0      0
WSBRAWHT  50000.
OR515731    0      2.0      1.0      0      0      0      1
**WSALLENS 145533.
**OR292531    0      1.0      1.0
WSLMSTNE 175882.
OR516531    67620      1.0      -1      0      0      0      4200
WSGRNBRY 118568.
OR515631    46500      0.1      -1      0      0      0
**OR515631    46500      1.0      1.0      0      0      0
WSPOSDOM 522047.
OR515531    218922      0.5      0.1      0      0      0
**WSGRNGER  43158.
**OR516331    19650      1.0      1.0      0      0      0
**WSSTLHSE  223336.
**OR516131    70710      1.0      1.0      0      0      0
**WSBRABEL  402151.
**OR516031    137280      1.0      1.0      0      0      0      3      -1
TO 13      MUL      use_drop1      CONT
LO 13      SET      ROST2_SYS_LIM      CONT
LO 6      SUB      ROST2_SYS_MUN      CONT
LO 6      SUB      ROST2_SYS_MUN2
PX 2
** new drought
WRCON155    48080      20120302      2      2      0.0000      ROST2_SYS_GCWA2      C5164      SO_DS
WSSMRVLE 128311.
OR516431    48033      1.0      1.0      0      0      0
WSBRAWHT  50000.
OR515731    0      2.0      1.0      0      0      0      1
**WSALLENS 145533.
**OR292531    0      1.0      1.0
WSLMSTNE 175882.
OR516531    67620      1.0      -1      0      0      0
**WSGRNBRY 118568.
**OR515631    46500      1.0      1.0      0      0      0
WSPOSDOM 522047.
OR515531    218922      0.5      0.1      0      0      0
**WSGRNGER  43158.
**OR516331    19650      1.0      1.0      0      0      0
**WSSTLHSE  223336.
**OR516131    70710      1.0      1.0      0      0      0
**WSBRABEL  402151.
**OR516031    137280      1.0      1.0      0      0      0      3      -1
TO 13      MUL      use_drop2      CONT
LO 13      SET      ROST2_SYS_LIM      CONT
LO 6      SUB      ROST2_SYS_MUN      CONT
LO 6      SUB      ROST2_SYS_MUN2      CONT
LO 6      SUB      ROST2_SYS_GCWA
PX 2
**
** DOW backup. System
** Change to a constant amount
** Move to Rosharon to apply instream flows
**
WRBRRO72    16000      IND420120302      2      2      0.0000      ROST2_SYS_DOW      C5164      SO_DS
WSSMRVLE 128311.
    
```

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```

OR516431 48033 1.0 1.0 0 0 0
WSBRAWHT 50000.
OR515731 0 2.0 1.0 0 0 0 1
**WSALLENS 145533.
**OR292531 0 1.0 1.0
**WSLMSTNE 175882.
**OR516531 67620 1.0 -1 0 0 0
WSGRNBRY 118568.
OR515631 46500 1.0 1.0 0 0 0
WSPOSDOM 522047.
OR515531 218922 0.5 0.1 0 0 0
**WSGRNGER 43158.
**OR516331 19650 1.0 1.0 0 0 0
**WSSTLHSE 223336.
**OR516131 70710 1.0 1.0 0 0 0
**WSBRABEL 402151.
**OR516031 137280 1.0 0.1 0 0 0 3 -1
LO 13 SET ROST2_SYS_LIM CONT
LO 6 SUB ROST2_SYS_MUN CONT
LO 6 SUB ROST2_SYS_MUN2 CONT
LO 6 SUB ROST2_SYS_GCWA CONT
LO 6 SUB ROST2_SYS_GCWA2 CONT
PX 2
**
**
** System demand at Rosharon
**
** Set targets to determine operating scheme
** calculate percent full in subsystems
** putting priority date at beginning of timestep
**
WRBRGM73 1 8 gbpk_stor SYSTEM SYSOPS
TO -4 SET POSDOM CONT
TO -4 ADD GRNBRY CONT
TO 15 640615 DIV
** HDR - revised for 2070 sed conditions
**TO 15 879739 DIV
**
WRBRGM73 1 8 other_stor SYSTEM SYSOPS
TO -4 SET AQUILA CONT
TO -4 ADD BRAWHT CONT
TO -4 ADD LMSTNE CONT
TO -4 ADD SMRVLE CONT
TO 15 385788 DIV
** HDR - revised for 2020 sed conditions and No Allens Ck
**TO -4 ADD ALLENS CONT
**TO 15 633443 DIV
**TO 15 487910 DIV
**
WRBRGM73 1 8 little_stor SYSTEM SYSOPS
TO -4 SET BRABEL CONT
TO -4 ADD GRGTWN CONT
TO -4 ADD GRNGER CONT
TO -4 ADD PRCTOR CONT
TO -4 ADD STLHSE CONT
TO 15 751003 DIV
** HDR - revised for 2070 sed conditions
**TO 15 843300 DIV
**
** First condition - if PK and Granbury are above trigger then use 1950s drought operating scheme
** This will be 1 if GBPK are greater than trigger
**
WRBRGM73 1.0 XMONTH 1 8 gbpk_gt_max SYSTEM SYSOPS
TO 13 LIM 0.9700 999999 gbpk_stor
** This will be 0 if GBPK are greater than trigger
WRBRGM73 1.0 XMONTH 1 8 gbpk_lt_max SYSTEM SYSOPS
TO 13 LIM 0.1 gbpk_gt_max
**
** Next see if other two subsystems are greater than trigger
** This will be 1 if other reservoirs are greater than trigger
WRBRGM73 1.0 XMONTH 1 8 other_gt_max SYSTEM SYSOPS
TO 13 LIM 0.70 999999 other_stor
**
** This will be 1 if Little River reservoirs are greater than trigger
WRBRGM73 1.0 XMONTH 1 8 little_gt_max SYSTEM SYSOPS
TO 13 LIM 0.900 999999 little_stor
**
** Combine to single trigger that checks if conditions for flipping to recent drought operating scheme are in place
** This will be 1 if other subsystems are greater than trigger
WRBRGM73 1 8 rest_gt_max SYSTEM SYSOPS
TO 13 SET other_gt_max CONT
TO 13 MUL little_gt_max
** This will be 0 if other subsystems are greater than trigger
WRBRGM73 1.0 XMONTH 1 8 rest_lt_max SYSTEM SYSOPS

```


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TO 13 LIM 0.1 rest_gt_max
** Second condition. Add condition that GBPK must be less than trigger. This signals months when you flip
WRBRGM73 1 8 start_dr2 SYSTEM SYSOPS
TO 13 SET rest_gt_max CONT
TO 13 MUL gbpk_lt_max
**
** If neither first nor second condition are true, use what happened last month
** Set to 1 if using 1950s operation scheme
WRBRGM73 1.0 XMONTH 1 8 use_drop1_prev SYSTEM SYSOPS
TO -13 LIM 0.9 use_drop1 CONT
TO 13 MUL gbpk_lt_max CONT
TO 13 MUL rest_lt_max
** Combine so that this will be greater than 0 when using 1950s drought operating scheme
WRBRGM73 1 8 use_drop1 SYSTEM SYSOPS
TO 13 SET gbpk_gt_max CONT
TO 13 ADD use_drop1_prev
**
WRBRGM73 1.0 XMONTH 1 8 use_drop2_prev SYSTEM SYSOPS
TO -13 LIM 0.9 use_drop2 CONT
TO 13 MUL gbpk_lt_max CONT
TO 13 MUL rest_lt_max
WRBRGM73 1 8 use_drop2 SYSTEM SYSOPS
TO 13 SET start_dr2 CONT
TO 13 ADD use_drop2_prev
**
** New drought modeling
**
WRBRRO72 162000 MUN420120302 2 2 0.0000 ROST2_SYS_FIXED2 SYSTEM SYSOPS
WSSMRVLE 128311. 500
OR516431 48033 1.0 1.0 0 0 0
WSBRAWHT 50000. 0 1
OR515731 0 2.0 1.0 0 0 0
**WSALLENS 145533. 0
**OR292531 0 1.0 1.0
WSLMSTNE 175882. 0
OR516531 67620 1.0 1.0 0 0 0
**WSGRNBRY 118568. 0
**OR515631 46500 1.0 1.0 0 0 0
WSPOSDOM 522047. 100
OR515531 218922 0.7 1.0 0 0 0
**WSGRNGER 43158. 0
**OR516331 19650 1.0 1.0 0 0 0
**WSSTLHSE 223336. 0
**OR516131 70710 1.0 1.0 0 0 0
**WSBRABEL 402151. 0 3 -1
**OR516031 137280 1.0 0.1 0 0 0
**WSAQUILA 31575. 1000
**OR515831 15720 1.0 1.0 0 0 0 10000
**WSPRCTOR 45424. 40000
**OR515931 40000 1.0 1.0 0 0 0
TO 13 MUL use_drop2 CONT
LO 13 SET ROST2_SYS_LIM CONT
LO 6 SUB ROST2_SYS_MUN CONT
LO 6 SUB ROST2_SYS_MUN2 CONT
LO 6 SUB ROST2_SYS_GCWA CONT
LO 6 SUB ROST2_SYS_GCWA2 CONT
LO 6 SUB ROST2_SYS_DOW
PX 2
**
WRBRRO72 254000 MUN420120302 2 2 0.0000 ROST2_SYS_YIELD2 SYSTEM SYSOPS
WSSMRVLE 128311. 500
OR516431 48033 1.0 1.0 0 0 0
WSBRAWHT 50000. 0 1
OR515731 0 2.0 1.0 0 0 0
**WSALLENS 145533. 0
**OR292531 0 2.0 1.0
WSLMSTNE 175882. 0
OR516531 67620 1.3 1.5 0 0 0
WSGRNBRY 118568. 0
OR515631 46500 1.5 1.0 0 0 0
WSPOSDOM 522047. 100
OR515531 218922 1.0 1.0 0 0 0
WSGRNGER 43158. 0
OR516331 19650 1.0 0.5 0 0 0
WSSTLHSE 223336. 0
OR516131 70710 0.1 0.5 0 0 0
WSBRABEL 402151. 0 3 -1
OR516031 137280 1.0 1.0 0 0 0
WSAQUILA 31575. 1000
OR515831 15720 1.0 1.0 0 0 0 11000
**WSPRCTOR 45424. 40000
**OR515931 40000 1.0 1.0 0 0 0
TO 13 MUL use_drop2 CONT
LO 13 SET ROST2_SYS_LIM CONT

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LO	6	SUB					ROST2_SYS_MUN	CONT		
LO	6	SUB					ROST2_SYS_MUN2	CONT		
LO	6	SUB					ROST2_SYS_GCWA	CONT		
LO	6	SUB					ROST2_SYS_GCWA2	CONT		
LO	6	SUB					ROST2_SYS_DOW	CONT		
LO	6	SUB					ROST2_SYS_FIXED2	CONT		
PX	2									
**										
**	1950s drought									
**										
WRBRRO72	151000	MUN420120302	2	2	0.0000		ROST2_SYS_FIXED	SYSTEM	SYSOPS	
WSSMRVLE	128311.				500					
OR516431	48033	1.0	1.0	0	0	0				
WSBRAWHT	50000.				0		1			
OR515731	0	2.0	1.0	0	0	0				
**WSALLENS	145533.				0					
**OR292531	0	1.0	1.0							
WSLMSTNE	175882.				6000					
OR516531	67620	1.0	1.0	0	0	0	14800			
WSGRNBRY	118568.				0					
OR515631	46500	0.1	-1	0	0	0				
WSPOSDOM	522047.				30000					
OR515531	218922	1.0	1.0	0	0	0				
**WSGRNGER	43158.				0					
**OR516331	19650	1.0	1.0	0	0	0				
**WSTLHSE	223336.				0					
**OR516131	70710	1.0	1.0	0	0	0				
**WSBRABEL	402151.				0		3		-1	
**OR516031	137280	1.0	0.1	0	0	0				
**WSAQUILA	31575.				1000					
**OR515831	15720	1.0	1.0	0	0	0	10000			
**WSPRCTOR	45424.				40000					
**OR515931	40000	1.0	1.0	0	0	0				
TO	13	MUL					use_drop1	CONT		
LO	13	SET					ROST2_SYS_LIM	CONT		
LO	6	SUB					ROST2_SYS_MUN	CONT		
LO	6	SUB					ROST2_SYS_MUN2	CONT		
LO	6	SUB					ROST2_SYS_GCWA	CONT		
LO	6	SUB					ROST2_SYS_GCWA2	CONT		
LO	6	SUB					ROST2_SYS_DOW	CONT		
LO	6	SUB					ROST2_SYS_FIXED2	CONT		
LO	6	SUB					ROST2_SYS_YIELD2	CONT		
PX	2									
**										
WRBRRO72	265000	MUN420120302	2	2	0.0000		ROST2_SYS_YIELD	SYSTEM	SYSOPS	
WSSMRVLE	128311.				500					
OR516431	48033	1.0	1.0	0	0	0				
WSBRAWHT	50000.				0		1			
OR515731	0	2.0	1.0	0	0	0				
**WSALLENS	145533.				0					
**OR292531	0	1.0	1.0							
**WSLMSTNE	175882.				0					
**OR516531	67620	1.0	-1	0	0	0				
WSGRNBRY	118568.				0					
OR515631	46500	1.0	-1	0	0	0				
WSPOSDOM	522047.				100					
OR515531	218922	0.5	0.1	0	0	0				
**WSGRNGER	43158.				0					
**OR516331	19650	1.0	1.0	0	0	0				
**WSTLHSE	223336.				0					
**OR516131	70710	1.0	1.0	0	0	0				
**WSBRABEL	402151.				0		3		-1	
**OR516031	137280	1.0	0.1	0	0	0				
WSAQUILA	31575.				1000					
OR515831	15720	0.5	0.1	0	0	0	11000			
**OR515831	15720	1.0	1.0	0	0	0	0	10000		
**WSPRCTOR	45424.				40000					
**OR515931	40000	1.0	1.0	0	0	0				
TO	13	MUL					use_drop1	CONT		
LO	13	SET					ROST2_SYS_LIM	CONT		
LO	6	SUB					ROST2_SYS_MUN	CONT		
LO	6	SUB					ROST2_SYS_MUN2	CONT		
LO	6	SUB					ROST2_SYS_GCWA	CONT		
LO	6	SUB					ROST2_SYS_GCWA2	CONT		
LO	6	SUB					ROST2_SYS_DOW	CONT		
LO	6	SUB					ROST2_SYS_FIXED2	CONT		
LO	6	SUB					ROST2_SYS_YIELD2	CONT		
LO	6	SUB					ROST2_SYS_FIXED	CONT		
PX	2									
**										
**	refill									
**										
WR515531		20120302	1	2	0.0000		PSMT2_DS_FILL	C5155	PK_DS	
WSPOSDOM	522047.				0					

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PX      2
**
WR515631      20120302      1      2      0.0000      GBYT2_DS_FILL      C5156      GB_DS
WSGRNBRY 118568.
PX      2
**
WR515731      20120302      1      2      0.0000      WTYT2_DS_FILL      C5157      WH_DS
WSBRAWHT 50000.
PX      2
**
WR515831      20120302      1      2      0.0000      ALAT2_DS_FILL      C5158      AQ_DS
WSAQUILA 31575.
PX      2
**
WR515931      20120302      1      2      0.0000      PCTT2_DS_FILL      C5159      PR_DS
WSPRCTOR 45424.
PX      2
**
WR516031      20120302      1      2      0.0000      BLNT2_DS_FILL      C5160      BE_DS
WSBRABEL 402151.
PX      2
**
WR516131      20120302      1      2      0.0000      STIT2_DS_FILL      C5161      SH_DS
WSTLHSE 223336.
PX      2
**
WR516231      20120302      1      2      0.0000      GGLT2_DS_FILL      C5162      GT_DS
WSGRGTWN 36934.
PX      2
**
WR516331      20120302      1      2      0.0000      GLKT2_DS_FILL      C5163      GN_DS
WSGRNGER 43158.
PX      2
**
WR516431      20120302      1      2      0.0000      SOMT2_DS_FILL      C5164      SO_DS
WSSMRVLE 128311.
PX      2
**
WR516531      20120302      1      2      0.0000      LLST2_DS_FILL      C5165      LS_DS
WSLMSTNE 175882.
PX      2
**
**WR292531      0.      20120302      ALLENS_RF2_9      SYSTEM
**WSALLENS 145533.
**PX      2
**
** Pick up any available BRA releases
**
WR515631      99999999      1      2      0.0000      GBYT2_DS_FILL2     C5156      GB_DS
WSGRNBRY 118568.
PX      2
**
WR515731      99999999      1      2      0.0000      WTYT2_DS_FILL2     C5157      WH_DS
WSBRAWHT 50000.
PX      2
**
** End of System Operation Modeling
**
** Allens Creek refill under Excess Flows permit (CA 5166)
**
**IFBRR170 797121.      DAYS99999999      2      1      IFEXCESS
** Using new LO record and type 8 water right to set dpetion limits. Won't work with earier versions of WRAP
** CONT option doesn't seem to be working with LO record, so using type 8 right to set target
**WRAC_LIM 130680      XMONTH99999999      8      1      TARGET_EXCESS      ALLENS      C5166
**TO      6      SUB      TESTWR1
**
**WR292531      99999999      1      1      ALLENS_EXCESS      ALLENS      C5166
**WSALLENS 145533
**ML999999 999999 999999 999999 999999 999999 999999 999999 999999 6000 5000 3000
**SO      292504
**LO      13      TARGET_EXCESS
**PX      2
**SO      130680      292504
** SV/SA RECORDS
** 2070 Sediment Conditions
**Alcoa 12190 SD
SV121901 0.      52.      257.      485.      783.      1181.      1685.      2611.      3621.      4839.      6716.      9390.
SA      0.      7.      13.      17.      23.      30.      38.      59.      74.      97.      158.      379.
**Alcoa Inc., App. 12-5816, IO
SV R5816 0 95.25 126.68 354.72 474.64 1417.9 1696.73 2389.45 3326.04 3645.39 4237.11 4380.45
SA      0 5.69 9.5 21.767 26.31 51.35 60.28 78.43 110.62 125.9 159.2 169
**
**Alcoa Inc., App. 5803

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SV580331	0.	7.41	26.81	55.85	98.62	159.27	240.89	344.60	476.27	650.02	926.48	936.29
SA	0.0	2.9	4.8	7.3	10.1	14.4	18.4	23.2	29.7	43.7	65.2	65.6
SV580332	0.	22.45	152.53	507.10	1002.25	1625.94	2366.90	3372.88	5043.44	7019.37	9797.05	13492
SA	0.0	2.7	13.5	21.4	28.1	34.2	40.0	68.8	92.4	104.4	118.3	190.5
** SV/SA RECORD FOR WHEELER BRANCH RESERVOIR, APP. 5744												
SV 5744W	0.	307	670	1252	2122	3339	3791	3952	4118	4826	5013	5605
SA	0.	28	45	72	103	143	158	164	169	185	189	200
**												
**Paul Weinman Application 5665												
SV R5665	0.	612.	1224.	1836.								
SA	0.	612.	612.	612.								
**												
SVBRUTIL	0.	20.	62.	400.	600.	1200.	2200.	3750.	5500.	8000.	11000.	15227.
SA	0.	5.	20.	50.	90.	150.	240.	330.	440.	560.	680.	839.
SVBRUSHY	0.	1.	68.	363.	1059.	2208.	3884.	6214.	9269.	13119.	17868.	20608.
SA	0.	1.	33.	115.	234.	341.	497.	668.	860.	1065.	1310.	1430.
SVEGLNST	0.	6498.	11315.	17797.								
SA	0.	1594.	2260.	2926.								
**SVPOSTRE	0.	281.	2561.	7155.	14243.	24154.	37742.	57421.	83420.			
**SA	0.	84.	355.	560.	854.	1128.	1655.	2283.	2915.			
**SVALLENS	0.	719.	2046.	4233.	7276.	11171.	25952.	37803.	63687.	90524.	124692.	145533.
**SA	0.	924.	1775.	2627.	3478.	4329.	5527.	6326.	6616.	6767.	6902.	7003.
SVABILNE	0.	2055.										
SA	0.	595.										
SVALANHN	0.	370.	3972.	9950.	18604.	30428.	37639.	45779.	55021.	65317.	76846.	89959.
SA	0.	231.	470.	727.	1011.	1354.	1533.	1742.	1954.	2177.	2444.	2800.
SVALCOAL	0.	62.	200.	400.	2953.	4944.	7777.	8961.	10146.	10739.	11233.	14378.
SA	0.	5.	30.	74.	315.	450.	586.	641.	696.	723.	752.	880.
SVAQUILA	0.	218.	836.	1869.	3348.	5317.	7739.	10765.	14514.	19038.	24535.	31575.
SA	0.	149.	333.	490.	697.	877.	1071.	1352.	1645.	1979.	2417.	3084.
SVBELTON	0.	1548.	7014.	20029.	41541.	74811.	122040.	182918.	263607.	312414.	366569.	414151.
SA	0.	309.	889.	1680.	2688.	4051.	5332.	6922.	9203.	10308.	11354.	12445.
SVBFSPRG	0.	51.	215.	532.	1036.	1829.						
SA	0.	21.	45.	82.	120.	183.						
SVCAMCRK	0.	29.	193.	584.	1209.	2062.	3122.	4360.	5036.			
SA	0.	29.	136.	255.	370.	481.	576.	658.	695.			
SVCISCO	0.	42.	239.	665.	1578.	3283.	5988.	8331.	10094.	16414.	25389.	
SA	0.	6.	29.	67.	126.	210.	330.	436.	506.	733.	1050.	
SVDANIEL	0.	200.	407.	863.	1342.	1980.	2794.	3786.	4970.	6356.	7972.	8883.
SA	0.	39.	106.	203.	279.	363.	452.	543.	640.	747.	867.	948.
SVFPHNHR	0.	55.	160.	602.	1493.	3833.	5562.	11288.	18971.	28949.	42089.	61598.
SA	0.	48.	92.	213.	397.	784.	947.	1330.	1740.	2279.	2912.	4213.
SVGRGTWN	0.	115.	801.	2350.	4895.	8422.	13180.	19533.	23267.	27388.	31936.	36934.
SA	0.	35.	133.	258.	384.	511.	686.	890.	981.	1084.	1191.	1307.
SVGIBCRK	0.	99.	537.	1598.	2832.	4498.	6338.	9083.	12156.	19594.	24094.	
SA	0.	118.	299.	535.	697.	884.	1048.	1341.	1582.	1952.	2328.	
SVEDLGRM	0.	11.	81.	266.	550.	3356.	8873.	17475.	30221.			
SA	0.	15.	90.	167.	235.	639.	1053.	1611.	2444.			
SVGRNBRY	0.	260.	1483.	4508.	10013.	18815.	31370.	50047.	62793.	78475.	97982.	118568.
SA	0.	102.	336.	686.	1192.	1745.	2524.	3830.	4674.	5858.	7022.	8172.
SVGRNGER	0.	3.	172.	767.	1767.	3124.	4906.	7136.	9855.	13133.	43158.	
SA	0.	11.	172.	413.	583.	780.	1002.	1240.	1490.	1787.	4159.	
SVHUBBRD	0.	1156.	3054.	6215.	10757.	32339.	73370.	103770.	141998.	189096.	245432.	312357.
SA	0.	426.	845.	1270.	1747.	3245.	5662.	7245.	9083.	10972.	12994.	14922.
SVKIRBY	0.	212.	1165.	3304.	3871.	5009.						
SA	0.	82.	299.	555.	577.	680.						
SVLAKECR	0.	61.	190.	359.	991.	1464.	1996.	3473.	4425.	5480.	6711.	7196.
SA	0.	30.	59.	92.	165.	195.	248.	348.	400.	458.	518.	552.
SVLDAVIS	0.	17.	76.	191.	373.	630.	985.	1482.	2160.	3028.	3411.	
SA	0.	17.	41.	75.	108.	149.	206.	291.	388.	481.	547.	
SVLKLEON	0.	200.	1648.	3059.	4045.	5315.	6800.	10563.	12875.	18332.	21549.	25828.
SA	0.	42.	221.	350.	451.	551.	651.	864.	975.	1205.	1377.	1600.
SVLKWACO	0.	874.	9499.	22664.	43859.	67794.	128933.	170067.				
SA	0.	723.	2068.	3180.	4012.	4823.	6741.	8190.				
SVLMSTNE	0.	233.	2808.	5412.	9021.	13482.	18729.	25027.	32902.	42404.	53529.	175882.
SA	0.	265.	1072.	1533.	2042.	2409.	2866.	3466.	4337.	5165.	5950.	12486.
SVMEXIA	0.	27.	114.	311.	642.	2156.	3323.					
SA	0.	41.	101.	184.	337.	771.	1009.					
SVMLRCRK	0.	112.	688.	1946.	5142.	9186.	12811.					
SA	0.	124.	330.	589.	1133.	1711.	2437.					
SVMNLWL	0.	47.	288.	608.	974.	1414.	1913.	2451.	3114.	3942.	5024.	
SA	0.	98.	146.	172.	196.	238.	260.	278.	391.	429.	477.	
SVPLPNT0	0.	110.	752.	2400.	4568.	11232.	20263.	24505.				
SA	0.	52.	239.	411.	696.	1506.	2051.	2176.				
SVCLEBRN	0.	204.	463.	980.	1848.	2798.	4235.	5835.	8255.	10943.	17867.	22350.
SA	0.	60.	133.	214.	301.	404.	552.	680.	843.	1016.	1400.	1568.
SVPOSDOM	0.	475.	5529.	16126.	34296.	62947.	103998.	158662.	229641.	324480.	454281.	522047.
SA	0.	210.	793.	1332.	2325.	3473.	4760.	6213.	8120.	11034.	15837.	17914.
SVPRCTOR	0.	219.	875.	2166.	4565.	8388.	13773.	20657.	24952.	30414.	36521.	45424.
SA	0.	177.	302.	543.	1057.	1493.	2056.	2565.	3328.	3857.	4306.	4615.
SVSMTHRS	0.	56.	842.	2037.	3426.	4991.	6737.	8665.	10766.	13015.	15373.	17801.
SA	0.	477.	1088.	1300.	1475.	1656.	1833.	2021.	2182.	2316.	2398.	2457.
SVSMRVLE	0.	183.	2622.	8697.	18477.	33278.	53162.	64715.	77526.	91566.	106705.	128311.
SA	0.	278.	1415.	2584.	3970.	5800.	7354.	8114.	8964.	9746.	10411.	11395.

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SVSQWCRK	0.	2694.	5232.	9173.	15539.	22295.	31712.	42250.	57527.	74473.	116466.	143399.
SA	0.	255.	361.	504.	724.	920.	1152.	1426.	1750.	2061.	2748.	3169.
SVSTMFRD	0.	167.	594.	1390.	4325.	9358.	13008.	17630.	23234.	29896.	37943.	42618.
SA	0.	140.	286.	519.	971.	1603.	2056.	2571.	3025.	3664.	4386.	4869.
SVSTLHSE	0.	137.	2023.	12339.	22041.	36219.	55694.	81352.	114153.	156437.	210777.	223336.
SA	0.	63.	301.	778.	1177.	1682.	2241.	2907.	3685.	4809.	6129.	6429.
SVLSWEET	0.	174.	539.	1159.	2099.	3350.	4926.	6939.	9482.	10343.	12631.	16488.
SA	0.	51.	95.	154.	223.	278.	353.	453.	564.	585.	696.	844.
SVTRCRLK	0.	71.	462.	1556.	3575.	6580.	10657.	15933.	22586.	30864.	34681.	35427.
SA	0.	26.	131.	308.	500.	703.	929.	1182.	1480.	1831.	1984.	2027.
SVTWOAK	0.	162.	399.	894.	3005.	6766.	9336.	12375.	15916.	19983.	24580.	27333.
SA	0.	84.	148.	331.	729.	1165.	1399.	1635.	1905.	2162.	2419.	2619.
SVWHTRVR	0.	3347.										
SA	0.	1642.										
SVBRAWHT	0.	4651.	16896.	37882.	103841.	170389.	253238.	356948.	495053.			
SA	0.	827.	2153.	3747.	6455.	10290.	13241.	16721.	23220.			

** FNI change - drought index 1 and 2 for PK FERC requirements (990 feet and 994.5 feet)

DI	1	1	POSDOM									
IS	4	0	447219	447220	5220472							
IP		0	0	100	100							

DI	2	1	POSDOM									
IS	4	0	383664	383665	5220472							
IP		0	0	100	100							

** Drought index for Whitney hydropower
 ** Elevations 520, 527, 530 and 533

DI	3	2	BRAWHT	CORWHT								
IS	6	0	377668	377669	436361	436362	495054					
IP		21.78	21.78	44.28	44.28	100	100					

DI	4	2	BRAWHT	CORWHT								
IS	4	0	272080	272081	495054							
IP		0	0	100	100							

EA	1	2	BRAWHT	CORWHT								
EA	2	2	LKWACO	WACO2	WACO4							
EA	3	2	BELTON	BRABEL								

** FNI change

**IS	4	0	28374	28375	36856							
**DI	5	3	WHITNY	BRA	CORWHT							
**IS	4	0	387024	387025	636100							
**IP		0	0	100	100							
**EA	1	2	WHITNY	BRA	CORWHT							
**EA	2	2	LKWACO	WACO2	WACO4	WACO5						

** END OF FILE
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CHANGES TO WAM INPUT FILES FOR ALTERNATIVE MODELING OF SQUAW CREEK RESERVOIR

For the alternative approach to modeling Squaw Creek Reservoir, the following changes were made in the WAM .DAT and .DIS input files.

Changes to .DIS FileChange 1 of 1

Original record:

```
FD409732  BRAQ33      0  BRGR30  PAGR31  NRBL32
```

Revised records:

```
** HDR - Adjusted FD to use only Paluxy River at Glen Rose
**FD409732  BRAQ33      0  BRGR30  PAGR31  NRBL32
FD409732  PAGR31      0
**
```

Changes to .DAT FileChange 1 of 2

New lines inserted prior to ** UC RECORDS

```
CO      1  409732
WO      1      C4097_1
```

Change 2 of 2

Original record:

```
CP409732  546001      6      409731      0.0000
```

Revised records:

```
** HDR - Changed method to calculate nat flows to DAR method with PAGR31(Field 6 - Option 7). Change was made to investigate
reasons for large increase in FY with decreasing flow trends.

**CP409732  546001      6      409731      0.0000
CP409732  546001      7      409731      0.0000
```