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TEXAS DEPARTMENT OF WATER RESOURCES

REPORT 233

SUSPENDED-SEDIMENT LOAD OF  
TEXAS STREAMS

Compilation Report

October 1971—September 1975

By

John P. Dougherty, P.E.

May 1979

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# SUSPENDED-SEDIMENT LOAD OF TEXAS STREAMS

## Compilation Report

October 1971—September 1975

### INTRODUCTION

This report covers the 1972 through 1975 water years, and is a supplement to Texas Water Development Board Reports 184, 106, and 45, Texas Water Commission Bulletin 6410, and Texas Board of Water Engineers Bulletin 6108. These prior publications presented the results of suspended-sediment load measurements at permanent observation points from the beginning of record through the 1971 water year. (A water year extends from October 1 through the following September 30, and is identified by the year in which it ends.) No reconnaissance-type determinations of short-period record or intermittent record are compiled.

This report was prepared under the general direction of C. R. Baskin, P.E., Director, Data and Engineering Services Division, and under the special direction of B. R. Critendon, P.E., Surface Water Data Unit. The author was assisted in data compilation by Gilbert Weiss, Engineering Technician.

For those readers interested in using the metric system, metric equivalents of English units of measurements are given in parentheses in the text of this report. The English units used in this report may be converted to metric units by the following conversion factors:

<u>From</u>	<u>Multiply by</u>	<u>To obtain</u>
feet	.3048	meters (m)
miles	1.609	kilometers (km)
square miles	2.590	square kilometers (km <sup>2</sup> )
acre-feet	1,233	cubic meters (m <sup>3</sup> )
fluid ounces	29.57	milliliters (ml)
pounds	.454	kilograms (kg)

<u>From</u>	<u>Multiply by</u>	<u>To obtain</u>
pounds per cubic foot	16.02	kilograms per cubic meter (kg/m <sup>3</sup> )
tons (2,000 pounds)	907.2	kilograms (kg)
tons per square mile	350.3	kilograms per square kilometer (kg/km <sup>2</sup> )
tons per acre-foot	.7358	kilograms per cubic meter (kg/m <sup>3</sup> )

### STATUS OF SUSPENDED-SEDIMENT SAMPLING STATIONS

During the period covered by this report, 39 suspended-sediment sampling stations were operated. This activity was previously conducted by the Texas Water Development Board. However, with the merger of the Texas Water Development Board, Texas Water Rights Commission, and the Texas Water Quality Board on September 1, 1977, the Texas Department of Water Resources has been assigned responsibilities for State activity in this field of surface-water investigations.

### COOPERATION

The following agencies cooperated with the Texas Department of Water Resources in the operation of, or furnished data for, suspended-sediment sampling stations included in this report:

Lower Colorado River Authority, Austin;

Brazos River Authority, Waco;

U.S. Geological Survey, Water Resources Division, Austin.

## EXPLANATION OF DATA

Suspended-sediment sampling stations operated by the Texas Department of Water Resources at or near streamflow-measuring stations use streamflow records collected by the U.S. Geological Survey in the determination of estimated suspended-sediment loads. The identification number appearing with the station name is the standard U.S. Geological Survey number for that measurement station. Those suspended-sediment sampling stations operated by the Texas Department of Water Resources at Possum Kingdom Reservoir and Lake Buchanan, where samples are collected from releases, use computer-release records furnished by the reservoir operator in the determination of estimated suspended-sediment loads.

Samples are collected in 8-ounce (236.6 ml) narrow-neck bottles at a position approximately 1 foot (0.3 m) below the water surface near midstream. The percentage of suspended sediment by weight obtained from the sample is multiplied by the factor 1.102 to obtain the mean percentage of suspended sediment in the vertical profile. Laboratory determinations were equated to the corresponding streamflow in determining the total suspended-sediment load.

The Texas Department of Water Resources uses as the average weight of water, 62.5 pounds per cubic foot (1,001.2 kg/m<sup>3</sup>). Temperature and dissolved constituents affect the density of water. The average water weight selected is used for all calculations. The density of sediment used for all calculations is 70 pounds per cubic foot (1,121.4 kg/m<sup>3</sup>). It is emphasized that this implied density is an estimated average which may be expected for ultimate consolidation. Individual sediment deposits will have varying densities dependent on several factors. The assumptions of density may also be expressed as:

One acre-foot of stream flow = 1,361.25 tons (1,234,930 kg) and

One acre-foot of sediment = 1,524.60 tons (1,383,117 kg).

No attempt has been made to include in this report that sediment which may be moved by a flowing stream along its bottom, commonly referred to as "bed load."

Presented with the sediment data obtained for the 1972 through 1975 water years is a summary table showing maximum, minimum, and average annual suspended-sediment transport passing each gaging point for a total period in full water years.

Monthly values of sediment conversions to acre-feet are rounded to the nearest whole number and are based on a density of 70 pounds per cubic foot (1,121.4 kg/m<sup>3</sup>). Summary streamflow and sediment-load values for each year are totals of the monthly figures. Annual values of volume in acre-feet are determined from the total tonnage measured for the year rounded to the nearest whole number. Therefore, annual volumes do not always coincide with totals of the twelve monthly values each year.

Sediment outflow for four reservoirs in Texas were obtained during this report period. Records were taken at Possum Kingdom Reservoir, Brazos River Basin; Somerville Lake, Brazos River Basin; Lake Buchanan, Colorado River Basin; and Lake Corpus Christi, Nueces River Basin.

## OTHER SEDIMENT RECORDS

Records of suspended-sediment loads in Texas from sampling stations operated by the U.S. Geological Survey, and by the International Boundary and Water Commission—United States and Mexico, are collected in addition to those contained in this report. Daily and partial records obtained by the U.S. Geological Survey are reported annually in a publication titled "Water Resources Data for Texas, Part 2, Water Quality Records," for the water years 1972, 1973, and 1974, and in a publication titled "Water Resources Data for Texas" for the water year 1975. Suspended-sediment records for the Rio Grande collected by the International Boundary and Water Commission are published annually in a bulletin titled "Flow of the Rio Grande and Related Data."

RECORDS OF SUSPENDED-SEDIMENT LOADS FROM SAMPLING STATIONS  
OPERATED BY THE TEXAS DEPARTMENT OF WATER RESOURCES,  
1972 THROUGH 1975 WATER YEARS



RED RIVER BASIN

7299200 PRAIRIE DOG TOWN FORK RED RIVER NEAR LAKEVIEW

Net Drainage Area: 2,023 square miles.

Location: Farm Road 657 bridge, 7.6 miles southwest of Lakeview. Flow records are from stream-gaging station at same location.

Records Available: May 1964 through September 1965 and October 1967 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1965	101,300	5,886,103	2,910	3,861	4.267
MIN 1967	19,740	605,800	299	397	2.253
AVG 10 yrs	55,690	2,272,660	1,124	1,491	3.026

**WATER YEAR 1972**

OCT	9,950	686,500	--	450	5.069
NOV	2,730	140,300	--	92	3.775
DEC	1,370	7,650	--	5	.410
JAN	69	0	--	0	.000
FEB	17	0	--	0	.000
MAR	6	0	--	0	.000
APR	3	0	--	0	.000
MAY	6,540	359,800	--	236	4.042
JUNE	10,780	497,500	--	326	3.390
JULY	20,330	614,400	--	403	2.220
AUG	2,280	88,280	--	58	2.844
SEPT	1,240	58,400	--	38	3.460
SUMMARY	55,320	2,453,000	1,213	1,609	3.257

**WATER YEAR 1973**

OCT	40	24	--	0	.044
NOV	2,260	89,830	--	59	2.920
DEC	56	13	--	0	.017
JAN	123	320	--	0	.191
FEB	18	5	--	0	.020
MAR	12,250	411,600	--	270	2.468
APR	18,500	538,400	--	353	2.138
MAY	7,090	310,000	--	203	3.212
JUNE	3,120	54,710	--	36	1.288
JULY	3,650	118,500	--	78	2.385
AUG	6,290	208,500	--	137	2.435
SEPT	16,640	682,000	--	447	3.011
SUMMARY	70,040	2,414,000	1,193	1,583	2.532

RED RIVER BASIN

PRAIRIE DOG TOWN FORK RED RIVER NEAR LAKEVIEW--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	1,400	28,410	--	19	1.491
NOV	50	0	--	0	.000
DEC	37	0	--	0	.000
JAN	69	0	--	0	.000
FEB	45	0	--	0	.000
MAR	1,540	56,590	--	37	2.699
APR	1,490	37,810	--	25	1.864
MAY	32,970	1,161,000	--	762	2.587
JUNE	4,680	132,900	--	87	2.086
JULY	5	0	--	0	.000
AUG	16,770	705,800	--	463	3.092
SEPT	9,320	172,300	--	113	1.358
SUMMARY	68,380	2,295,000	1,134	1,505	2.466
WATER YEAR 1975					
OCT	4,210	152,500	--	100	2.661
NOV	2,560	27,650	--	18	.793
DEC	92	1	--	0	.001
JAN	120	21	--	0	.013
FEB	400	327	--	0	.060
MAR	151	8	--	0	.004
APR	349	450	--	0	.095
MAY	5,490	274,500	--	180	3.673
JUNE	27,220	1,073,000	--	704	2.896
JULY	7,760	89,050	--	58	.843
AUG	825	589	--	0	.052
SEPT	846	2,310	--	2	.201
SUMMARY	50,020	1,620,000	801	1,063	2.379



RED RIVER BASIN

7336820 RED RIVER NEAR DE KALB

Net Drainage Area: 41,412 square miles.

Location: U.S. Highway 259 bridge, 13 miles north of De Kalb. Flow records are from stream-gaging station at same location.

Records Available: February 1969 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1973	15,560,000	8,921,000	215	5,851	0.042
MIN 1971	3,836,000	1,371,000	33	899	.026
AVG 6 yrs	9,786,500	5,480,333	132	3,595	.044

**WATER YEAR 1972**

OCT	780,800	925,500	--	607	.087
NOV	330,600	117,900	--	77	.026
DEC	2,794,000	4,900,000	--	3,210	.129
JAN	628,400	109,200	--	72	.013
FEB	514,800	45,760	--	30	.007
MAR	318,600	18,800	--	12	.004
APR	330,800	97,980	--	64	.022
MAY	289,400	75,280	--	49	.019
JUNE	201,700	12,920	--	8	.005
JULY	159,700	15,160	--	10	.007
AUG	87,220	4,990	--	3	.004
SEPT	90,400	7,820	--	5	.006
SUMMARY	6,526,000	6,331,000	153	4,153	.071

**WATER YEAR 1973**

OCT	192,100	72,800	--	48	.028
NOV	1,680,000	1,317,000	--	864	.058
DEC	435,000	56,590	--	37	.010
JAN	663,300	206,700	--	136	.023
FEB	1,075,000	595,500	--	391	.041
MAR	2,533,000	1,674,000	--	1,100	.049
APR	2,907,000	1,688,000	--	1,110	.043
MAY	2,002,000	1,072,000	--	703	.039
JUNE	2,513,000	1,684,000	--	1,110	.049
JULY	410,500	37,830	--	25	.007
AUG	347,100	37,880	--	25	.008
SEPT	802,000	478,400	--	314	.044
SUMMARY	15,560,000	8,921,000	215	5,851	.042

## RED RIVER BASIN

## RED RIVER NEAR DE KALB--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	1,511,000	616,700	--	404	.030
NOV	1,477,000	926,400	--	608	.046
DEC	1,911,000	1,055,000	--	692	.041
JAN	511,400	114,300	--	75	.016
FEB	273,300	70,440	--	46	.019
MAR	478,700	136,000	--	89	.021
APR	441,800	144,400	--	95	.024
MAY	1,325,000	714,300	--	469	.040
JUNE	1,484,000	712,200	--	467	.035
JULY	212,000	8,330	--	5	.003
AUG	274,600	38,820	--	25	.010
SEPT	1,429,000	705,600	--	463	.036
SUMMARY	11,329,000	5,242,000	127	3,438	.034
WATER YEAR 1975					
OCT	665,900	183,900	--	121	.020
NOV	3,164,000	2,374,000	--	1,560	.055
DEC	952,300	223,300	--	146	.017
JAN	559,000	78,190	--	51	.010
FEB	1,677,000	615,100	--	403	.027
MAR	1,654,000	477,100	--	313	.021
APR	1,458,000	399,500	--	262	.020
MAY	1,341,000	596,300	--	391	.033
JUNE	2,343,000	1,314,000	--	862	.041
JULY	492,800	91,400	--	60	.014
AUG	857,400	293,600	--	193	.025
SEPT	322,800	40,570	--	27	.009
SUMMARY	15,487,000	6,687,000	161	4,386	.032

SULPHUR RIVER BASIN

7343200 SULPHUR RIVER NEAR TALCO

Net Drainage Area: 1,365 square miles.

Location: U.S. Highway 271 bridge, 2.2 miles northwest of Talco. Flow records are from stream-gaging station at same location.

Records Available: November 1966 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1968	1,884,000	3,607,000	2,642	2,366	0.141
MIN 1971	294,400	662,500	485	435	.165
AVG 8 yrs	1,375,863	2,721,688	1,261	1,129	.095

WATER YEAR 1972

OCT	369,000	570,200	--	374	.114
NOV	8,870	9,890	--	6	.082
DEC	678,700	431,400	--	283	.047
JAN	19,350	4,280	--	3	.016
FEB	4,870	435	--	0	.007
MAR	11,150	16,160	--	11	.106
APR	990	112	--	0	.008
MAY	1,960	346	--	0	.013
JUNE	2,260	599	--	0	.019
JULY	493	105	--	0	.016
AUG	339	30	--	0	.007
SEPT	11	0	--	0	.000
SUMMARY	1,098,000	1,034,000	758	678	.069

WATER YEAR 1973

OCT	31,300	54,860	--	36	.129
NOV	173,100	124,300	--	82	.053
DEC	77,060	27,210	--	18	.026
JAN	105,200	55,400	--	36	.039
FEB	132,400	100,700	--	66	.056
MAR	446,000	319,900	--	210	.053
APR	399,800	335,100	--	220	.062
MAY	50,300	45,480	--	30	.066
JUNE	133,400	129,100	--	85	.071
JULY	2,070	342	--	0	.012
AUG	823	57	--	0	.005
SEPT	188,800	178,400	--	117	.069
SUMMARY	1,740,000	1,371,000	1,004	899	.058

## SULPHUR RIVER BASIN

## SULPHUR RIVER NEAR TALCO--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	252,300	250,700	--	164	.073
NOV	382,500	269,900	--	177	.052
DEC	139,300	159,900	--	105	.084
JAN	173,900	115,100	--	75	.049
FEB	12,410	5,400	--	4	.032
MAR	11,270	6,240	--	4	.041
APR	110,800	125,600	--	82	.083
MAY	30,250	64,330	--	42	.156
JUNE	287,400	411,300	--	270	.105
JULY	328	29	--	0	.006
AUG	938	73	--	0	.006
SEPT	175,300	139,700	--	92	.059
SUMMARY	1,577,000	1,548,000	1,134	1,015	.072
WATER YEAR 1975					
OCT	15,320	4,040	--	3	.019
NOV	430,700	238,800	--	157	.041
DEC	170,500	63,480	--	42	.027
JAN	26,130	10,230	--	7	.029
FEB	316,600	189,100	--	124	.044
MAR	127,900	100,300	--	66	.058
APR	71,400	37,850	--	25	.039
MAY	185,200	225,100	--	148	.089
JUNE	177,400	163,900	--	108	.068
JULY	11,290	18,840	--	12	.123
AUG	2,050	272	--	0	.010
SEPT	238	25	--	0	.008
SUMMARY	1,535,000	1,052,000	771	690	.050

## SULPHUR RIVER BASIN

7343500 WHITEOAK CREEK NEAR TALCO

Net Drainage Area: 494 square miles.Location: U.S. Highway 271 bridge, 2.7 miles south of Talco. Flow records are from stream-gaging station at same location.Records Available: June 1963 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1967	208,800	66,630	135	44	0.024
MIN 1971	92,930	15,210	31	10	.012
AVG 12 yrs	383,891	37,898	75	24	.008

## WATER YEAR 1972

OCT	37,730	2,700	--	2	.005
NOV	2,080	151	--	0	.005
DEC	245,100	13,190	--	9	.004
JAN	27,610	1,460	--	1	.004
FEB	7,080	446	--	0	.005
MAR	5,750	454	--	0	.006
APR	1,130	77	--	0	.005
MAY	788	66	--	0	.006
JUNE	3,860	622	--	0	.012
JULY	292	31	--	0	.008
AUG	2	0	--	0	.000
SEPT	280	30	--	0	.008
SUMMARY	331,700	19,230	39	13	.004

## WATER YEAR 1973

OCT	16,190	1,850	--	1	.008
NOV	70,160	3,810	--	3	.004
DEC	53,070	2,800	--	2	.004
JAN	41,030	3,320	--	2	.006
FEB	54,010	3,440	--	2	.005
MAR	134,400	8,680	--	6	.005
APR	138,600	6,850	--	4	.004
MAY	7,390	792	--	1	.008
JUNE	55,160	3,160	--	2	.004
JULY	3,120	601	--	0	.014
AUG	47	0	--	0	.000
SEPT	23,580	2,370	--	2	.007
SUMMARY	596,800	37,670	76	25	.005

SULPHUR RIVER BASIN

WHITEOAK CREEK NEAR TALCO--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	43,870	2,890	--	2	.005
NOV	152,400	8,940	--	6	.004
DEC	72,260	5,540	--	4	.006
JAN	100,600	8,150	--	5	.006
FEB	9,830	1,020	--	1	.008
MAR	10,840	1,200	--	1	.008
APR	64,490	4,170	--	3	.005
MAY	6,480	1,060	--	1	.012
JUNE	70,950	5,370	--	4	.006
JULY	524	60	--	0	.008
AUG	1,130	113	--	0	.007
SEPT	51,570	4,780	--	3	.007
SUMMARY	584,900	43,290	88	28	.005
WATER YEAR 1975					
OCT	13,850	1,350	--	1	.007
NOV	177,600	11,610	--	8	.005
DEC	74,850	3,360	--	2	.003
JAN	12,750	1,000	--	1	.006
FEB	160,300	11,480	--	8	.005
MAR	66,810	4,470	--	3	.005
APR	36,510	1,800	--	1	.004
MAY	102,700	7,510	--	5	.005
JUNE	42,540	3,010	--	2	.005
JULY	3,310	215	--	0	.005
AUG	2,520	170	--	0	.005
SEPT	113	1	--	0	.001
SUMMARY	693,900	45,980	93	30	.005

SABINE RIVER BASIN

8022000 SABINE RIVER NEAR TATUM

Net Drainage Area: 3,493 square miles.

Location: State Highway 43 bridge, 5.1 miles northeast of Tatum. Flow records are from stream-gaging station at same location.

Records Available: June 1968 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1975	3,287,000	185,300	53	122	0.004
MIN 1971	514,100	51,480	15	34	.007
AVG 7 yrs	2,163,157	136,730	39	90	.005

WATER YEAR 1972

OCT	43,600	5,250	--	3	.009
NOV	123,200	12,790	--	8	.008
DEC	579,300	43,270	--	28	.005
JAN	403,400	20,980	--	14	.004
FEB	93,130	3,600	--	2	.003
MAR	61,580	3,980	--	3	.005
APR	24,740	1,050	--	1	.003
MAY	19,480	792	--	1	.003
JUNE	40,440	4,260	--	3	.008
JULY	9,630	405	--	0	.003
AUG	3,090	70	--	0	.002
SEPT	6,550	387	--	0	.004
SUMMARY	1,408,000	96,830	28	64	.005

WATER YEAR 1973

OCT	33,520	2,710	--	2	.006
NOV	117,900	12,710	--	8	.008
DEC	141,600	8,720	--	6	.005
JAN	140,200	8,880	--	6	.005
FEB	207,200	15,820	--	10	.006
MAR	375,200	21,640	--	14	.004
APR	598,300	27,480	--	18	.003
MAY	579,100	19,890	--	13	.003
JUNE	570,600	20,770	--	14	.003
JULY	64,050	3,570	--	2	.004
AUG	21,630	1,430	--	1	.005
SEPT	93,390	9,160	--	6	.007
SUMMARY	2,943,000	152,800	44	100	.004

SABINE RIVER BASIN

SABINE RIVER NEAR TATUM--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM TONS	TONS PER SQ MI	ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
WATER YEAR 1974					
OCT	265,900	21,680	--	14	.006
NOV	398,800	20,740	--	14	.004
DEC	464,400	27,570	--	18	.004
JAN	423,800	19,170	--	13	.003
FEB	350,100	17,380	--	11	.004
MAR	151,600	13,100	--	9	.006
APR	119,200	11,790	--	8	.007
MAY	306,300	15,370	--	10	.004
JUNE	332,400	27,200	--	18	.006
JULY	29,960	1,140	--	1	.003
AUG	13,690	1,010	--	1	.005
SEPT	204,400	23,040	--	15	.008
SUMMARY	3,061,000	199,200	57	131	.005
WATER YEAR 1975					
OCT	117,100	10,090	--	7	.006
NOV	489,200	27,730	--	18	.004
DEC	606,700	22,960	--	15	.003
JAN	233,300	12,860	--	8	.004
FEB	662,400	32,200	--	21	.004
MAR	242,200	15,190	--	10	.005
APR	247,100	16,680	--	11	.005
MAY	369,100	25,310	--	17	.005
JUNE	236,100	17,600	--	12	.005
JULY	56,610	3,960	--	3	.005
AUG	17,850	372	--	0	.002
SEPT	8,940	298	--	0	.002
SUMMARY	3,287,000	185,300	53	122	.004



## NECHES RIVER BASIN

8031200 KICKAPOO CREEK NEAR BROWNSBORO

Net Drainage Area: 232 square miles.Location: State Farm Road 314 bridge, 1 mile northeast of Brownsboro. Flow records are from stream-gaging station at same location.Records Available: May 1962 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1973	206,700	6,110	26	4	0.002
MIN 1964	11,890	361	2	0	.002
AVG 13 yrs	103,759	3,190	14	2	.003

## WATER YEAR 1972

OCT	2,010	56	--	0	.002
NOV	6,710	134	--	0	.001
DEC	42,600	1,370	--	1	.002
JAN	26,850	525	--	0	.001
FEB	8,680	128	--	0	.001
MAR	3,600	79	--	0	.002
APR	1,770	56	--	0	.002
MAY	1,020	31	--	0	.002
JUNE	1,160	46	--	0	.003
JULY	156	3	--	0	.001
AUG	454	4	--	0	.001
SEPT	12	0	--	0	.000
SUMMARY	95,020	2,430	10	2	.002

## WATER YEAR 1973

OCT	1,670	64	--	0	.003
NOV	10,130	192	--	0	.001
DEC	10,050	103	--	0	.001
JAN	12,540	78	--	0	.000
FEB	13,160	130	--	0	.001
MAR	36,430	655	--	0	.001
APR	43,810	1,060	--	1	.002
MAY	7,740	218	--	0	.002
JUNE	65,530	3,440	--	2	.004
JULY	1,330	64	--	0	.004
AUG	862	30	--	0	.003
SEPT	3,410	75	--	0	.002
SUMMARY	206,700	6,110	26	4	.002

## NECHES RIVER BASIN

## KICKAPOO CREEK NEAR BROWNSBORO--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	10,030	143	--	0	.001
NOV	11,140	181	--	0	.001
DEC	17,910	339	--	0	.001
JAN	19,390	397	--	0	.002
FEB	11,270	201	--	0	.001
MAR	12,070	266	--	0	.002
APR	8,680	225	--	0	.002
MAY	14,100	438	--	0	.002
JUNE	2,310	81	--	0	.003
JULY	69	0	--	0	.000
AUG	87	2	--	0	.002
SEPT	4,410	122	--	0	.002
SUMMARY	111,500	2,400	10	2	.002
WATER YEAR 1975					
OCT	2,400	55	--	0	.002
NOV	35,890	851	--	1	.002
DEC	19,400	177	--	0	.001
JAN	14,880	91	--	0	.000
FEB	23,190	514	--	0	.002
MAR	15,450	326	--	0	.002
APR	18,150	430	--	0	.002
MAY	28,210	759	--	0	.002
JUNE	8,170	313	--	0	.003
JULY	639	9	--	0	.001
AUG	85	0	--	0	.000
SEPT	148	1	--	0	.000
SUMMARY	166,600	3,530	15	2	.002

## NECHES RIVER BASIN

## 8033000 NECHES RIVER NEAR DIBOLL

Net Drainage Area: 2,724 square miles.

Location: U.S. Highway 59 bridge, 3.8 miles south of Diboll. Flow records are from stream-gaging station at same location.

Records Available: June 1966 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1969	1,902,000	97,980	36	64	0.004
MIN 1971	249,300	13,200	5	9	.004
AVG 9 yrs	1,128,422	56,588	21	37	.004

## WATER YEAR 1972

OCT	4,990	360	--	0	.005
NOV	8,200	496	--	0	.004
DEC	35,170	2,670	--	2	.006
JAN	64,230	6,150	--	4	.007
FEB	44,950	2,590	--	2	.004
MAR	32,360	2,930	--	2	.007
APR	21,170	1,650	--	1	.006
MAY	24,240	2,320	--	2	.007
JUNE	9,700	716	--	0	.005
JULY	11,420	987	--	1	.006
AUG	3,820	317	--	0	.006
SEPT	1,830	126	--	0	.005
SUMMARY	262,100	21,310	8	14	.006

## WATER YEAR 1973

OCT	13,900	1,750	--	1	.009
NOV	53,150	3,310	--	2	.005
DEC	68,260	5,250	--	3	.006
JAN	144,000	5,730	--	4	.003
FEB	92,830	3,400	--	2	.003
MAR	214,700	12,450	--	8	.004
APR	307,000	10,070	--	7	.002
MAY	282,900	8,330	--	5	.002
JUNE	335,900	13,700	--	9	.003
JULY	82,220	4,900	--	3	.004
AUG	24,340	1,770	--	1	.005
SEPT	93,830	5,060	--	3	.004
SUMMARY	1,713,000	75,720	28	50	.003

NECHES RIVER BASIN

NECHES RIVER NEAR DIBOLL--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	252,400	9,290	--	6	.003
NOV	197,000	6,170	--	4	.002
DEC	304,700	10,710	--	7	.003
JAN	399,500	20,700	--	14	.004
FEB	256,400	13,050	--	9	.004
MAR	141,200	9,470	--	6	.005
APR	76,670	7,670	--	5	.007
MAY	74,660	7,850	--	5	.008
JUNE	50,250	5,230	--	3	.008
JULY	12,120	7,070	--	5	.043
AUG	8,270	644	--	0	.006
SEPT	70,550	5,210	--	3	.005
SUMMARY	1,844,000	103,100	38	68	.004
WATER YEAR 1975					
OCT	57,010	3,880	--	3	.005
NOV	196,200	5,700	--	4	.002
DEC	204,100	4,040	--	3	.001
JAN	187,300	5,890	--	4	.002
FEB	315,100	11,650	--	8	.003
MAR	145,700	7,060	--	5	.004
APR	133,000	6,130	--	4	.003
MAY	234,500	9,690	--	6	.003
JUNE	148,600	7,670	--	5	.004
JULY	80,850	3,850	--	3	.003
AUG	14,580	1,030	--	1	.005
SEPT	8,480	541	--	0	.005
SUMMARY	1,725,000	67,130	25	44	.003

## NECHES RIVER BASIN

8033300 PINEY CREEK NEAR GROVETON

Net Drainage Area: 79 square miles.Location: State Highway 94 bridge, 6.5 miles northeast of Groveton. Flow records are from stream-gaging station at same location.Records Available: May 1962 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1969	61,650	5,460	69	4	0.007
MIN 1971	511	87	1	0	.013
AVG 13 yrs	23,647	2,802	36	2	.009

## WATER YEAR 1972

OCT	0	0	--	0	.000
NOV	0	0	--	0	.000
DEC	14	1	--	0	.005
JAN	585	60	--	0	.008
FEB	124	3	--	0	.002
MAR	132	5	--	0	.003
APR	67	19	--	0	.021
MAY	49	3	--	0	.004
JUNE	0	0	--	0	.000
JULY	0	0	--	0	.000
AUG	0	0	--	0	.000
SEPT	0	0	--	0	.000
SUMMARY	971	91	1	0	.007

## WATER YEAR 1973

OCT	1,300	117	--	0	.007
NOV	1,790	211	--	0	.009
DEC	3,610	266	--	0	.005
JAN	10,040	529	--	0	.004
FEB	2,200	235	--	0	.008
MAR	14,770	792	--	1	.004
APR	7,540	444	--	0	.004
MAY	881	102	--	0	.009
JUNE	12,740	1,150	--	1	.007
JULY	1,020	194	--	0	.014
AUG	77	4	--	0	.004
SEPT	3,410	440	--	0	.009
SUMMARY	59,380	4,480	57	3	.006

## NECHES RIVER BASIN

## PINEY CREEK NEAR GROVETON--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	10,480	926	--	1	.006
NOV	5,780	628	--	0	.008
DEC	8,470	996	--	1	.009
JAN	21,370	1,960	--	1	.007
FEB	1,170	56	--	0	.004
MAR	258	0	--	0	.000
APR	293	8	--	0	.002
MAY	152	6	--	0	.003
JUNE	122	14	--	0	.008
JULY	0	0	--	0	.000
AUG	51	4	--	0	.006
SEPT	1,710	225	--	0	.010
SUMMARY	49,860	4,820	61	3	.007
WATER YEAR 1975					
OCT	446	32	--	0	.005
NOV	3,890	1,070	--	1	.020
DEC	2,210	308	--	0	.010
JAN	3,640	541	--	0	.011
FEB	14,460	2,670	--	2	.014
MAR	1,840	271	--	0	.011
APR	1,480	197	--	0	.010
MAY	11,250	1,580	--	1	.010
JUNE	3,160	423	--	0	.010
JULY	1,210	123	--	0	.007
AUG	587	83	--	0	.010
SEPT	6	0	--	0	.000
SUMMARY	44,180	7,300	92	5	.012

## NECHES RIVER BASIN

8037050 BAYOU LA NANA AT NACOGDOCHES

Net Drainage Area: 31.3 square miles.Location: Farm Road 1878 bridge in Nacogdoches. Flow records are from stream-gaging station at same location.Records Available: October 1965 to date.

<u>RECORD PERIOD</u>	<u>STREAMFLOW ACRE-FEET</u>	<u>SUSPENDED-SEDIMENT LOAD OF STREAM</u>			<u>DRY SEDIMENT PCT BY WEIGHT</u>
		<u>TONS</u>	<u>TONS PER SQ MI</u>	<u>ACRE-FEET</u>	
MAX 1973	42,670	8,890	287	6	0.015
MIN 1971	1,430	146	5	0	.007
AVG 10 yrs	22,331	6,493	209	4	.021

**WATER YEAR 1972**

OCT	65	12	--	0	.014
NOV	203	114	--	0	.041
DEC	1,330	93	--	0	.005
JAN	2,420	276	--	0	.008
FEB	1,340	45	--	0	.002
MAR	653	34	--	0	.004
APR	622	97	--	0	.011
MAY	257	5	--	0	.001
JUNE	252	35	--	0	.010
JULY	1,210	912	--	1	.055
AUG	68	2	--	0	.002
SEPT	28	0	--	0	.000
SUMMARY	8,450	1,630	53	1	.014

**WATER YEAR 1973**

OCT	1,180	282	--	0	.018
NOV	3,480	901	--	1	.019
DEC	4,900	1,460	--	1	.022
JAN	9,290	1,440	--	1	.011
FEB	2,360	94	--	0	.003
MAR	6,060	2,200	--	1	.027
APR	7,750	789	--	1	.007
MAY	1,480	137	--	0	.007
JUNE	4,320	1,370	--	1	.023
JULY	386	7	--	0	.001
AUG	253	6	--	0	.002
SEPT	1,210	204	--	0	.012
SUMMARY	42,670	8,890	287	6	.015

## NECHES RIVER BASIN

BAYOU LA NANA AT NACOGDOCHES--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	2,070	243	--	0	.009
NOV	5,410	1,690	--	1	.023
DEC	4,090	844	--	1	.015
JAN	9,150	6,430	--	4	.052
FEB	3,280	705	--	0	.016
MAR	1,080	24	--	0	.002
APR	509	11	--	0	.002
MAY	479	16	--	0	.002
JUNE	133	3	--	0	.002
JULY	202	13	--	0	.005
AUG	122	8	--	0	.005
SEPT	1,470	209	--	0	.010
SUMMARY	28,000	10,200	329	7	.027
WATER YEAR 1975					
OCT	813	227	--	0	.021
NOV	5,090	1,350	--	1	.019
DEC	2,530	466	--	0	.014
JAN	4,680	1,870	--	1	.029
FEB	13,650	7,490	--	5	.040
MAR	2,710	646	--	0	.018
APR	2,090	198	--	0	.007
MAY	2,780	615	--	0	.016
JUNE	3,450	2,460	--	2	.052
JULY	495	6	--	0	.001
AUG	199	2	--	0	.001
SEPT	102	6	--	0	.004
SUMMARY	38,590	15,340	495	10	.029



TRINITY RIVER BASIN

8062500 TRINITY RIVER NEAR ROSSER

Net Drainage Area: 8,146 square miles.

Location: State Highway 34 bridge between Rosser and Ennis. Flow records are from stream-gaging station at same location.

Records Available: November 22, 1938 to June 27, 1940; March 1953 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1957	4,202,000	4,808,582	590	3,154	0.084
MIN 1955	226,100	144,572	18	96	.047
AVG 22 yrs	1,816,693	1,013,039	125	665	.043

WATER YEAR 1972

OCT	335,000	261,300	--	171	.057
NOV	117,100	32,380	--	21	.020
DEC	850,400	372,400	--	244	.032
JAN	506,200	92,480	--	61	.013
FEB	45,470	2,290	--	2	.004
MAR	34,630	764	--	1	.002
APR	49,170	20,340	--	13	.030
MAY	52,470	16,950	--	11	.024
JUNE	29,610	3,230	--	2	.008
JULY	25,170	3,760	--	2	.011
AUG	27,530	1,200	--	1	.003
SEPT	26,660	1,080	--	1	.003
SUMMARY	2,099,000	808,200	99	530	.028

WATER YEAR 1973

OCT	62,760	45,470	--	30	.053
NOV	65,920	24,790	--	16	.028
DEC	34,120	2,190	--	1	.005
JAN	99,000	59,730	--	39	.044
FEB	126,400	83,410	--	55	.048
MAR	309,600	186,300	--	122	.044
APR	359,700	348,300	--	228	.071
MAY	403,400	179,000	--	117	.033
JUNE	565,800	336,100	--	220	.044
JULY	208,700	156,200	--	102	.055
AUG	122,100	61,490	--	40	.037
SEPT	136,800	132,600	--	87	.071
SUMMARY	2,494,000	1,616,000	198	1,060	.048

TRINITY RIVER BASIN

TRINITY RIVER NEAR ROSSER--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	533,000	211,800	--	139	.029
NOV	316,000	120,100	--	79	.028
DEC	158,000	40,270	--	26	.019
JAN	175,000	61,530	--	40	.026
FEB	69,940	16,170	--	11	.017
MAR	55,400	5,280	--	3	.007
APR	106,400	54,870	--	36	.038
MAY	214,800	121,100	--	79	.041
JUNE	183,900	113,200	--	74	.045
JULY	31,690	1,470	--	1	.003
AUG	59,460	20,520	--	13	.025
SEPT	175,300	75,420	--	49	.032
SUMMARY	2,079,000	841,700	103	552	.030
WATER YEAR 1975					
OCT	162,400	124,500	--	82	.056
NOV	886,400	256,200	--	168	.021
DEC	553,900	105,300	--	69	.014
JAN	232,000	45,780	--	30	.014
FEB	750,900	228,500	--	150	.022
MAR	308,400	69,580	--	46	.017
APR	460,200	174,000	--	114	.028
MAY	348,100	195,300	--	128	.041
JUNE	543,700	172,100	--	113	.023
JULY	176,100	100,600	--	66	.042
AUG	63,480	15,230	--	10	.018
SEPT	24,860	783	--	1	.002
SUMMARY	4,510,000	1,488,000	183	976	.024

TRINITY RIVER BASIN

8064500 CHAMBERS CREEK NEAR CORSICANA

Net Drainage Area: 963 square miles.

Location: State Highway 31 bridge, 5.3 miles east of Corsicana. Flow records are from stream-gaging station at same location.

Records Available: June 1963 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1968	748,700	682,100	708	447	0.067
MIN 1964	14,746	38,591	40	25	.192
AVG 12 yrs	339,741	476,062	386	244	.081

**WATER YEAR 1972**

OCT	56,090	99,070	--	65	.130
NOV	21,330	9,900	--	6	.034
DEC	136,400	135,900	--	89	.073
JAN	70,330	68,610	--	45	.072
FEB	8,010	840	--	1	.008
MAR	1,970	165	--	0	.006
APR	2,020	3,100	--	2	.113
MAY	1,880	1,000	--	1	.039
JUNE	216	18	--	0	.006
JULY	337	69	--	0	.015
AUG	79	12	--	0	.011
SEPT	233	40	--	0	.013
<b>SUMMARY</b>	<b>298,900</b>	<b>318,700</b>	<b>331</b>	<b>209</b>	<b>.078</b>

**WATER YEAR 1973**

OCT	9,410	36,790	--	24	.287
NOV	8,550	13,570	--	9	.117
DEC	2,210	703	--	0	.023
JAN	38,370	61,470	--	40	.118
FEB	28,820	30,080	--	20	.077
MAR	61,600	69,960	--	46	.083
APR	204,100	275,000	--	180	.099
MAY	78,680	46,150	--	30	.043
JUNE	156,700	191,400	--	126	.090
JULY	16,000	15,430	--	10	.071
AUG	6,870	2,750	--	2	.029
SEPT	18,250	62,140	--	41	.250
<b>SUMMARY</b>	<b>629,600</b>	<b>805,400</b>	<b>836</b>	<b>528</b>	<b>.094</b>

TRINITY RIVER BASIN

CHAMBERS CREEK NEAR CORSICANA--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM TONS	TONS PER SQ MI	ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
WATER YEAR 1974					
OCT	64,050	75,810	--	50	.087
NOV	23,300	19,890	--	13	.063
DEC	11,040	4,030	--	3	.027
JAN	24,300	17,840	--	12	.054
FEB	9,780	3,110	--	2	.023
MAR	4,360	390	--	0	.007
APR	2,240	585	--	0	.019
MAY	25,540	38,220	--	25	.110
JUNE	1,640	1,890	--	1	.085
JULY	79	1	--	0	.001
AUG	1,690	1,410	--	1	.061
SEPT	10,660	21,590	--	14	.149
SUMMARY	178,700	184,800	192	121	.076
WATER YEAR 1975					
OCT	18,350	28,400	--	19	.114
NOV	186,900	124,000	--	81	.049
DEC	30,690	17,650	--	12	.042
JAN	21,480	8,010	--	5	.027
FEB	109,600	92,260	--	61	.062
MAR	28,670	29,650	--	19	.076
APR	89,620	84,060	--	55	.069
MAY	157,300	186,500	--	122	.087
JUNE	72,090	74,440	--	49	.076
JULY	5,350	686	--	0	.009
AUG	1,190	91	--	0	.006
SEPT	1,090	1,220	--	1	.082
SUMMARY	722,300	647,000	672	424	.066

TRINITY RIVER BASIN

8065350 TRINITY RIVER NEAR CROCKETT

Net Drainage Area: 13,911 square miles.

Location: State Highway 7 bridge, 12 miles west of Crockett. Flow records are from stream-gaging station at same location.

Records Available: May 1968 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1975	8,338,000	2,179,000	157	1,429	0.019
MIN 1971	978,600	493,300	35	324	.037
AVG 7 yrs	4,729,515	1,738,186	125	1,140	.028

**WATER YEAR 1972**

OCT	395,300	326,800	--	214	.061
NOV	399,700	225,100	--	148	.041
DEC	1,535,000	579,400	--	380	.028
JAN	1,119,000	332,400	--	218	.022
FEB	170,300	71,720	--	47	.031
MAR	72,990	6,020	--	4	.006
APR	55,370	4,440	--	3	.006
MAY	101,300	18,830	--	12	.014
JUNE	56,950	8,850	--	6	.011
JULY	37,490	5,060	--	3	.010
AUG	29,870	2,750	--	2	.007
SEPT	30,510	2,230	--	1	.005
SUMMARY	4,004,000	1,584,000	114	1,039	.029

**WATER YEAR 1973**

OCT	105,000	103,400	--	68	.072
NOV	178,700	104,600	--	69	.043
DEC	118,800	35,100	--	23	.022
JAN	285,600	186,500	--	122	.048
FEB	370,300	194,400	--	128	.039
MAR	827,200	342,200	--	224	.030
APR	758,800	331,200	--	217	.032
MAY	1,237,000	282,400	--	185	.017
JUNE	1,350,000	384,700	--	252	.021
JULY	349,300	160,500	--	105	.034
AUG	186,300	98,490	--	65	.039
SEPT	127,000	53,420	--	35	.031
SUMMARY	5,894,000	2,277,000	164	1,494	.028

TRINITY RIVER BASIN

TRINITY RIVER NEAR CROCKETT--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	1,035,000	370,400	--	243	.026
NOV	628,900	220,100	--	144	.026
DEC	468,000	234,300	--	154	.037
JAN	674,300	301,300	--	198	.033
FEB	253,200	119,400	--	78	.035
MAR	166,400	40,370	--	26	.018
APR	163,800	69,120	--	45	.031
MAY	452,800	213,700	--	140	.035
JUNE	242,400	135,600	--	89	.041
JULY	45,670	2,630	--	2	.004
AUG	73,960	7,880	--	5	.008
SEPT	412,500	217,100	--	142	.039
SUMMARY	4,617,000	1,932,000	139	1,267	.031
WATER YEAR 1975					
OCT	176,700	55,710	--	37	.023
NOV	1,553,000	378,500	--	248	.018
DEC	1,233,000	166,100	--	109	.010
JAN	490,100	87,250	--	57	.013
FEB	1,294,000	287,500	--	189	.016
MAR	541,700	191,000	--	125	.026
APR	840,600	258,900	--	170	.023
MAY	831,700	352,500	--	231	.031
JUNE	961,500	244,200	--	160	.019
JULY	232,500	103,500	--	68	.033
AUG	131,300	48,590	--	32	.027
SEPT	51,710	4,800	--	3	.007
SUMMARY	8,338,000	2,179,000	157	1,429	.019

TRINITY RIVER BASIN

8066200 LONG KING CREEK AT LIVINGSTON

Net Drainage Area: 141 square miles.

Location: U.S. Highway 190 bridge, 2 miles west of Livingston. Flow records are from stream-gaging station at same location.

Records Available: June 1963 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1973	185,600	228,300	1,619	150	0.090
MIN 1970	8,890	3,150	22	2	.026
AVG 12 yrs	129,247	84,597	600	55	.046
<b>WATER YEAR 1972</b>					
OCT	1,480	1,010	--	1	.050
NOV	379	61	--	0	.012
DEC	5,370	2,070	--	1	.028
JAN	6,420	3,000	--	2	.034
FEB	1,280	42	--	0	.002
MAR	6,560	8,570	--	6	.096
APR	6,060	6,770	--	4	.082
MAY	10,780	13,520	--	9	.092
JUNE	458	96	--	0	.015
JULY	317	56	--	0	.013
AUG	105	4	--	0	.003
SEPT	247	37	--	0	.011
SUMMARY	39,460	35,240	250	23	.066
<b>WATER YEAR 1973</b>					
OCT	112	8	--	0	.005
NOV	1,570	363	--	0	.017
DEC	6,040	3,210	--	2	.039
JAN	11,150	3,560	--	2	.023
FEB	11,550	7,520	--	5	.048
MAR	25,070	36,830	--	24	.108
APR	43,400	67,330	--	44	.114
MAY	8,850	9,850	--	6	.082
JUNE	50,570	76,840	--	50	.112
JULY	10,870	9,660	--	6	.065
AUG	5,340	1,620	--	1	.022
SEPT	11,070	11,540	--	8	.077
SUMMARY	185,600	228,300	1,619	150	.090

TRINITY RIVER BASIN

LONG KING CREEK AT LIVINGSTON--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM		ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI		
WATER YEAR 1974					
OCT	17,980	32,560	--	21	.133
NOV	40,990	49,340	--	32	.088
DEC	30,190	61,410	--	40	.149
JAN	59,370	94,140	--	62	.116
FEB	6,550	1,860	--	1	.021
MAR	3,710	320	--	0	.006
APR	1,520	77	--	0	.004
MAY	963	25	--	0	.002
JUNE	442	8	--	0	.001
JULY	159	0	--	0	.000
AUG	273	1	--	0	.000
SEPT	3,450	1,410	--	1	.030
SUMMARY	165,600	241,200	1,711	158	.107
WATER YEAR 1975					
OCT	5,440	11,440	--	8	.154
NOV	17,490	24,650	--	16	.104
DEC	13,220	11,260	--	7	.063
JAN	16,860	16,760	--	11	.073
FEB	13,340	20,820	--	14	.115
MAR	7,450	2,990	--	2	.029
APR	11,010	19,520	--	13	.130
MAY	23,440	34,080	--	22	.107
JUNE	4,180	5,780	--	4	.102
JULY	4,720	2,780	--	2	.043
AUG	5,330	5,900	--	4	.081
SEPT	803	31	--	0	.003
SUMMARY	123,300	156,000	1,106	102	.093



TRINITY RIVER BASIN

8066500 TRINITY RIVER AT ROMAYOR

Net Drainage Area: 17,186 square miles.

Location: State Highway 105 bridge, 2 miles south of Romayor. Flow records are from stream-gaging station at same location.

Records Available: August 10, 1936 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1945	12,200,000	13,559,310	789	8,893	0.081
MIN 1971	528,500	37,140	2	24	.005
AVG 39 yrs	5,372,735	3,922,573	227	2,573	.056

**WATER YEAR 1972**

OCT	26,870	1,030	--	1	.003
NOV	309,800	43,900	--	29	.010
DEC	1,487,000	300,800	--	197	.015
JAN	1,198,000	115,200	--	76	.007
FEB	247,600	9,310	--	6	.003
MAR	107,600	14,540	--	10	.010
APR	100,600	11,830	--	8	.009
MAY	241,300	47,520	--	31	.014
JUNE	56,640	2,450	--	2	.003
JULY	75,020	4,330	--	3	.004
AUG	24,820	489	--	0	.001
SEPT	28,100	536	--	0	.001
SUMMARY	3,903,000	551,900	32	362	.010

**WATER YEAR 1973**

OCT	20,020	676	--	0	.002
NOV	190,300	18,660	--	12	.007
DEC	196,000	15,970	--	10	.006
JAN	521,600	83,390	--	55	.012
FEB	547,900	66,480	--	44	.009
MAR	1,289,000	280,100	--	184	.016
APR	1,235,000	282,700	--	185	.017
MAY	1,419,000	202,800	--	133	.010
JUNE	1,908,000	603,900	--	396	.023
JULY	444,500	33,030	--	22	.005
AUG	204,500	25,030	--	16	.009
SEPT	201,800	26,160	--	17	.010
SUMMARY	8,178,000	1,639,000	95	1,075	.015

TRINITY RIVER BASIN

TRINITY RIVER AT ROMAYOR--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	1,561,000	279,100	--	183	.013
NOV	885,800	159,200	--	104	.013
DEC	821,500	81,980	--	54	.007
JAN	1,358,000	471,900	--	310	.026
FEB	367,900	49,650	--	33	.010
MAR	251,900	19,070	--	13	.006
APR	170,200	17,850	--	12	.008
MAY	500,100	45,250	--	30	.007
JUNE	217,400	13,280	--	9	.004
JULY	110,000	3,060	--	2	.002
AUG	91,000	6,370	--	4	.005
SEPT	883,700	160,500	--	105	.013
SUMMARY	7,219,000	1,307,000	76	857	.013
WATER YEAR 1975					
OCT	310,600	39,360	--	26	.009
NOV	1,832,000	279,400	--	183	.011
DEC	1,488,000	126,900	--	83	.006
JAN	776,900	48,480	--	32	.005
FEB	1,675,000	269,300	--	177	.012
MAR	630,100	40,080	--	26	.005
APR	946,000	83,370	--	55	.006
MAY	1,188,000	147,500	--	97	.009
JUNE	1,113,000	102,800	--	67	.007
JULY	351,200	21,550	--	14	.005
AUG	236,400	27,530	--	18	.009
SEPT	67,670	1,360	--	1	.001
SUMMARY	10,615,000	1,188,000	69	779	.008

SAN JACINTO RIVER BASIN

8070000 EAST FORK SAN JACINTO RIVER NEAR CLEVELAND

Net Drainage Area: 325 square miles.

Location: State Highway 105 bridge about one mile southwest of Cleveland. Flow records are from stream-gaging station at same location.

Records Available: December 1952 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1975	384,200	63,220	195	41	0.012
MIN 1971	16,530	634	2	0	.003
AVG 22 yrs	138,831	28,910	71	19	.013

**WATER YEAR 1972**

OCT	1,740	93	--	0	.004
NOV	792	33	--	0	.003
DEC	8,240	896	--	1	.008
JAN	7,710	639	--	0	.006
FEB	4,110	254	--	0	.005
MAR	5,390	696	--	0	.009
APR	3,890	384	--	0	.007
MAY	22,960	3,510	--	2	.011
JUNE	953	37	--	0	.003
JULY	1,110	44	--	0	.003
AUG	1,180	13	--	0	.001
SEPT	1,250	34	--	0	.002
<b>SUMMARY</b>	<b>59,330</b>	<b>6,630</b>	<b>20</b>	<b>4</b>	<b>.008</b>

**WATER YEAR 1973**

OCT	1,050	93	--	0	.007
NOV	8,720	2,570	--	2	.022
DEC	9,190	662	--	0	.005
JAN	22,800	6,980	--	5	.022
FEB	23,390	1,090	--	1	.003
MAR	46,020	6,360	--	4	.010
APR	60,540	32,800	--	22	.040
MAY	29,590	5,190	--	3	.013
JUNE	120,400	66,630	--	44	.041
JULY	12,520	3,540	--	2	.021
AUG	6,010	514	--	0	.006
SEPT	15,900	3,440	--	2	.016
<b>SUMMARY</b>	<b>356,100</b>	<b>129,900</b>	<b>400</b>	<b>85</b>	<b>.027</b>

## SAN JACINTO RIVER BASIN

## EAST FORK SAN JACINTO RIVER NEAR CLEVELAND--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM TONS	TONS PER SQ MI	OF STREAM ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
WATER YEAR 1974					
OCT	39,050	39,220	--	26	.074
NOV	28,350	4,360	--	3	.011
DEC	32,700	3,470	--	2	.008
JAN	105,300	40,160	--	26	.028
FEB	13,870	2,360	--	2	.012
MAR	10,030	574	--	0	.004
APR	4,560	285	--	0	.005
MAY	3,580	326	--	0	.007
JUNE	2,700	102	--	0	.003
JULY	1,690	76	--	0	.003
AUG	3,390	199	--	0	.004
SEPT	34,680	11,540	--	8	.024
SUMMARY	279,900	102,700	316	67	.027
WATER YEAR 1975					
OCT	29,990	5,750	--	4	.014
NOV	96,380	20,620	--	14	.016
DEC	33,260	4,750	--	3	.010
JAN	41,760	10,860	--	7	.019
FEB	31,560	5,510	--	4	.013
MAR	16,140	1,940	--	1	.009
APR	40,020	4,080	--	3	.007
MAY	57,370	6,260	--	4	.008
JUNE	15,540	2,240	--	1	.011
JULY	9,690	599	--	0	.005
AUG	9,030	474	--	0	.004
SEPT	3,500	138	--	0	.003
SUMMARY	384,200	63,220	195	41	.012

BRAZOS RIVER BASIN

8084800 CALIFORNIA CREEK NEAR STAMFORD

Net Drainage Area: 478 square miles.

Location: Farm Road 142 bridge, 9 miles east of Stamford. Flow records are from stream-gaging station at same location.

Records Available: July 1964 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1971	82,140	99,750	215	65	0.089
MIN 1970	3,770	2,500	5	2	.049
AVG 11 yrs	22,001	28,674	58	19	.100

WATER YEAR 1972

OCT	2,800	921	--	1	.024
NOV	904	44	--	0	.004
DEC	941	29	--	0	.002
JAN	427	3	--	0	.001
FEB	366	2	--	0	.000
MAR	221	0	--	0	.000
APR	228	2	--	0	.001
MAY	2,070	3,850	--	3	.137
JUNE	87	0	--	0	.000
JULY	137	57	--	0	.031
AUG	925	1,890	--	1	.150
SEPT	5,950	8,410	--	6	.104
SUMMARY	15,060	15,210	33	10	.074

WATER YEAR 1973

OCT	7,050	8,440	--	6	.088
NOV	13,640	6,160	--	4	.033
DEC	576	12	--	0	.002
JAN	2,010	696	--	0	.025
FEB	2,980	431	--	0	.011
MAR	8,100	6,340	--	4	.057
APR	1,450	159	--	0	.008
MAY	433	5	--	0	.001
JUNE	1,710	1,780	--	1	.076
JULY	268	35	--	0	.010
AUG	96	0	--	0	.000
SEPT	1,730	1,370	--	1	.058
SUMMARY	40,040	25,430	55	17	.047

BRAZOS RIVER BASIN

CALIFORNIA CREEK NEAR STAMFORD--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	86	0	--	0	.000
NOV	75	0	--	0	.000
DEC	95	0	--	0	.000
JAN	102	0	--	0	.000
FEB	88	0	--	0	.000
MAR	108	0	--	0	.000
APR	416	266	--	0	.047
MAY	136	8	--	0	.004
JUNE	31	2	--	0	.005
JULY	6	0	--	0	.000
AUG	96	14	--	0	.011
SEPT	10,010	18,570	--	12	.136
SUMMARY	11,250	18,860	41	12	.123
WATER YEAR 1975					
OCT	5,890	11,490	--	8	.143
NOV	2,510	3,560	--	2	.104
DEC	345	0	--	0	.000
JAN	587	17	--	0	.002
FEB	929	34	--	0	.003
MAR	280	0	--	0	.000
APR	280	16	--	0	.004
MAY	2,130	3,660	--	2	.126
JUNE	166	3	--	0	.001
JULY	3,610	7,590	--	5	.154
AUG	1,500	539	--	0	.026
SEPT	163	12	--	0	.005
SUMMARY	18,390	26,920	58	18	.108

BRAZOS RIVER BASIN

8087300 CLEAR FORK BRAZOS RIVER AT ELIASVILLE

Net Drainage Area: 5,697 square miles.

Location: Farm Road 1974 bridge, 400 ft northwest of Eliasville. Flow records are from stream-gaging station at same location.

Records Available: May 1966 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1969	346,200	471,300	82	309	0.100
MIN 1967	31,400	13,800	2	9	.032
AVG 9 yrs	188,491	201,556	35	132	.079

WATER YEAR 1972

OCT	25,170	4,750	--	3	.014
NOV	8,360	282	--	0	.002
DEC	7,800	253	--	0	.002
JAN	4,540	113	--	0	.002
FEB	3,270	70	--	0	.002
MAR	3,180	88	--	0	.002
APR	6,150	1,050	--	1	.013
MAY	6,180	699	--	0	.008
JUNE	945	31	--	0	.002
JULY	2,680	146	--	0	.004
AUG	7,000	3,320	--	2	.035
SEPT	13,340	3,720	--	2	.020
SUMMARY	88,620	14,520	3	10	.012

WATER YEAR 1973

OCT	13,640	48,380	--	32	.261
NOV	40,320	66,260	--	43	.121
DEC	3,310	30	--	0	.001
JAN	11,520	2,190	--	1	.014
FEB	14,650	772	--	1	.004
MAR	24,850	9,060	--	6	.027
APR	18,830	6,050	--	4	.024
MAY	4,690	446	--	0	.007
JUNE	7,190	1,330	--	1	.014
JULY	7,650	14,670	--	10	.141
AUG	1,540	100	--	0	.005
SEPT	6,800	2,040	--	1	.022
SUMMARY	155,000	151,300	26	99	.072

BRAZOS RIVER BASIN

CLEAR FORK BRAZOS RIVER AT ELIASVILLE--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	5,160	2,310	--	2	.033
NOV	1,560	52	--	0	.002
DEC	1,190	18	--	0	.001
JAN	1,100	5	--	0	.000
FEB	1,090	17	--	0	.001
MAR	1,120	12	--	0	.001
APR	4,640	1,210	--	1	.019
MAY	970	30	--	0	.002
JUNE	345	8	--	0	.002
JULY	1	0	--	0	.000
AUG	5,470	1,670	--	1	.022
SEPT	94,340	222,500	--	146	.173
SUMMARY	117,000	227,800	40	149	.143
WATER YEAR 1975					
OCT	82,980	115,000	--	75	.102
NOV	89,280	59,090	--	39	.049
DEC	11,190	150	--	0	.001
JAN	11,650	150	--	0	.001
FEB	65,960	31,440	--	21	.035
MAR	8,430	203	--	0	.002
APR	7,050	303	--	0	.003
MAY	33,800	36,990	--	24	.080
JUNE	9,610	1,590	--	1	.012
JULY	31,360	50,130	--	33	.117
AUG	7,080	648	--	0	.007
SEPT	2,830	112	--	0	.003
SUMMARY	361,200	295,800	52	194	.060



BRAZOS RIVER BASIN

8088000 BRAZOS RIVER NEAR SOUTH BEND

Net Drainage Area: 13,107 square miles.

Location: State Highway 67 bridge, 2 miles northeast of South Bend. Flow records are from stream-gaging station at same location.

Records Available: January 15, 1942 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1957	2,461,000	15,257,759	1,234	10,006	0.455
MIN 1964	149,017	593,130	48	389	.292
AVG 32 yrs	553,822	4,221,230	315	2,769	.556

WATER YEAR 1972

OCT	98,900	464,800	--	305	.345
NOV	24,480	16,840	--	11	.051
DEC	19,940	5,620	--	4	.021
JAN	9,630	440	--	0	.003
FEB	6,390	470	--	0	.005
MAR	4,490	740	--	0	.012
APR	7,970	5,180	--	3	.048
MAY	50,500	287,000	--	188	.417
JUNE	11,340	167,600	--	110	1.086
JULY	11,460	114,300	--	75	.733
AUG	185,200	1,552,000	--	1,020	.616
SEPT	109,900	740,600	--	486	.495
SUMMARY	540,200	3,356,000	272	2,201	.456

WATER YEAR 1973

OCT	47,840	222,800	--	146	.342
NOV	111,300	372,800	--	245	.246
DEC	15,930	298	--	0	.001
JAN	30,900	35,170	--	23	.084
FEB	32,060	6,300	--	4	.014
MAR	60,330	243,000	--	159	.296
APR	51,060	71,700	--	47	.103
MAY	11,660	2,300	--	2	.014
JUNE	33,270	76,890	--	50	.170
JULY	8,960	10,650	--	7	.087
AUG	6,050	3,710	--	2	.045
SEPT	20,130	118,900	--	78	.434
SUMMARY	429,500	1,165,000	94	764	.199

## BRAZOS RIVER BASIN

## BRAZOS RIVER NEAR SOUTH BEND--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	10,020	5,870	--	4	.043
NOV	3,600	246	--	0	.005
DEC	3,300	185	--	0	.004
JAN	2,750	57	--	0	.002
FEB	2,470	70	--	0	.002
MAR	2,240	60	--	0	.002
APR	5,880	15,880	--	10	.198
MAY	8,010	22,800	--	15	.209
JUNE	25,830	309,700	--	203	.881
JULY	453	8	--	0	.001
AUG	4,000	1,320	--	1	.024
SEPT	147,500	1,035,000	--	679	.515
SUMMARY	216,100	1,391,000	113	912	.473
WATER YEAR 1975					
OCT	127,100	464,200	--	304	.268
NOV	127,500	146,200	--	96	.084
DEC	17,680	338	--	0	.001
JAN	16,450	268	--	0	.001
FEB	56,500	87,210	--	57	.113
MAR	12,470	602	--	0	.004
APR	10,590	2,250	--	1	.016
MAY	92,730	480,100	--	315	.380
JUNE	41,570	39,790	--	26	.070
JULY	58,050	696,800	--	457	.882
AUG	26,300	124,200	--	81	.347
SEPT	35,070	333,300	--	219	.698
SUMMARY	622,000	2,375,000	192	1,558	.281

BRAZOS RIVER BASIN

8088500 POSSUM KINGDOM RESERVOIR NEAR GRAFORD

Net Drainage Area: 13,310 square miles.

Location: Samples taken in tailrace and over spillway. Outflow records were obtained from computed releases as determined by Brazos River Authority. Outflow records for period October 1953 through September 1959 are streamflow as gaged at Brazos River near Palo Pinto station below Possum Kingdom Reservoir. Inflow estimates were computed by adjusting Brazos River near South Bend streamflow between that gage and Morris Sheppard Dam.

Records Available: January 15, 1942 to date, except for October 1960.

SEDIMENT OUTFLOW FROM RESERVOIR

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1943	851,300	624,700	--	410	0.054
MIN 1966	103,004	913	--	1	.001
AVG 32 yrs <sup>a/</sup>	589,355	384,484	--	73	.038

<sup>a/</sup> Record for 1960 incomplete and not included.

WATER YEAR 1972

OCT	91,600	599	--	0	.000
NOV	29,150	16	--	0	.000
DEC	7,735	23	--	0	.000
JAN	19,513	121	--	0	.000
FEB	6,721	20	--	0	.000
MAR	1,316	1	--	0	.000
APR	12,188	5	--	0	.000
MAY	30,665	188	--	0	.000
JUNE	8,697	120	--	0	.001
JULY	4,850	53	--	0	.001
AUG	144,458	663	--	0	.000
SEPT	125,536	1,160	--	1	.001
SUMMARY	482,400	2,970	0	2	.000

WATER YEAR 1973

OCT	23,663	37	--	0	.000
NOV	165,952	402	--	0	.000
DEC	37,571	113	--	0	.000
JAN	33,490	70	--	0	.000
FEB	32,463	142	--	0	.000
MAR	71,016	412	--	0	.000
APR	64,054	509	--	0	.001
MAY	32,986	249	--	0	.001
JUNE	53,768	353	--	0	.000
JULY	52,221	317	--	0	.000
AUG	4,235	19	--	0	.000
SEPT	600	0	--	0	.000
SUMMARY	572,000	2,620	0	2	.000

BRAZOS RIVER BASIN

POSSUM KINGDOM RESERVOIR NEAR GRAFORD--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	1,106	1	--	0	.000
NOV	600	0	--	0	.000
DEC	35,801	176	--	0	.000
JAN	10,440	63	--	0	.000
FEB	1,039	1	--	0	.000
MAR	4,977	10	--	0	.000
APR	1,862	8	--	0	.000
MAY	2,644	6	--	0	.000
JUNE	8,502	21	--	0	.000
JULY	27,310	107	--	0	.000
AUG	19,709	40	--	0	.000
SEPT	10,690	20	--	0	.000
SUMMARY	124,700	453	0	0	.000

WATER YEAR 1975

OCT	159,999	579	--	0	.000
NOV	173,689	610	--	0	.000
DEC	14,920	94	--	0	.000
JAN	0	86	--	0	.000
FEB	46,366	148	--	0	.000
MAR	26,597	108	--	0	.000
APR	1,681	1	--	0	.000
MAY	45,547	145	--	0	.000
JUNE	37,587	112	--	0	.000
JULY	19,027	206	--	0	.001
AUG	23,251	76	--	0	.000
SEPT	19,648	59	--	0	.000
SUMMARY	568,300	2,220	0	1	.000

BRAZOS RIVER BASIN

8093500 AQUILLA CREEK NEAR AQUILLA

Net Drainage Area: 308 square miles.

Location: Farm Road 1304 bridge, 1 mile southeast of Aquilla. Flow records are from stream-gaging station at same location.

Records Available: June 1963 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1968	240,400	863,300	2,821	566	0.264
MIN 1964	7,278	21,438	70	14	.216
AVG 12 yrs	101,942	314,953	1,029	207	.241

WATER YEAR 1972

OCT	45,940	104,200	--	68	.167
NOV	2,180	2,740	--	2	.092
DEC	30,370	59,590	--	39	.144
JAN	9,290	8,480	--	6	.067
FEB	2,710	50	--	0	.001
MAR	2,480	1,170	--	1	.035
APR	1,340	1,700	--	1	.093
MAY	6,880	21,110	--	14	.225
JUNE	189	2	--	0	.001
JULY	7,900	19,210	--	13	.179
AUG	176	27	--	0	.011
SEPT	760	1,500	--	1	.145
SUMMARY	110,200	219,800	718	144	.147

WATER YEAR 1973

OCT	5,410	16,280	--	11	.221
NOV	2,110	4,830	--	3	.168
DEC	422	18	--	0	.003
JAN	11,130	24,630	--	16	.163
FEB	5,720	3,220	--	2	.041
MAR	19,190	65,750	--	43	.252
APR	52,530	128,600	--	84	.180
MAY	8,530	25,420	--	17	.219
JUNE	52,640	209,200	--	137	.292
JULY	15,170	21,320	--	14	.103
AUG	395	45	--	0	.008
SEPT	9,750	25,800	--	17	.194
SUMMARY	183,000	525,100	1,716	344	.211

BRAZOS RIVER BASIN

AQUILLA CREEK NEAR AQUILLA--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	31,290	79,210	--	52	.186
NOV	3,470	1,610	--	1	.034
DEC	1,530	85	--	0	.004
JAN	2,340	247	--	0	.008
FEB	2,410	959	--	1	.029
MAR	986	63	--	0	.005
APR	496	46	--	0	.007
MAY	2,510	8,850	--	6	.259
JUNE	6,100	21,220	--	14	.256
JULY	104	0	--	0	.000
AUG	5,070	10,340	--	7	.150
SEPT	14,360	25,050	--	16	.128
SUMMARY	70,670	147,700	483	97	.154
WATER YEAR 1975					
OCT	23,950	85,030	--	56	.261
NOV	19,770	20,100	--	13	.075
DEC	4,800	1,710	--	1	.026
JAN	5,890	1,340	--	1	.017
FEB	27,870	31,270	--	21	.082
MAR	7,450	7,870	--	5	.078
APR	35,750	37,100	--	24	.076
MAY	58,200	103,200	--	68	.130
JUNE	3,210	1,740	--	1	.040
JULY	336	34	--	0	.007
AUG	102	11	--	0	.008
SEPT	111	2	--	0	.001
SUMMARY	187,400	289,400	946	190	.113

BRAZOS RIVER BASIN

8094800 NORTH BOSQUE RIVER AT HICO

Net Drainage Area: 359 square miles.

Location: U.S. Highway 281 bridge near south boundary of Hico. Flow records are from stream-gaging station at same location.

Records Available: April 1962 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1968	90,680	120,800	338	79	0.098
MIN 1967	3,680	536	2	0	.011
AVG 13 yrs	34,128	38,954	109	26	.087

**WATER YEAR 1972**

OCT	9,470	10,780	--	7	.084
NOV	850	7	--	0	.001
DEC	10,770	2,500	--	2	.017
JAN	3,380	903	--	1	.020
FEB	1,080	60	--	0	.004
MAR	722	4	--	0	.000
APR	2,340	999	--	1	.031
MAY	2,480	701	--	0	.021
JUNE	202	9	--	0	.003
JULY	2,200	1,500	--	1	.050
AUG	223	11	--	0	.004
SEPT	270	148	--	0	.040
SUMMARY	33,990	17,620	49	12	.038

**WATER YEAR 1973**

OCT	443	33	--	0	.005
NOV	243	0	--	0	.000
DEC	244	4	--	0	.001
JAN	525	1	--	0	.000
FEB	1,580	199	--	0	.009
MAR	2,570	315	--	0	.009
APR	30,080	53,610	--	35	.131
MAY	4,430	246	--	0	.004
JUNE	3,760	1,200	--	1	.023
JULY	3,120	1,170	--	1	.028
AUG	610	76	--	0	.009
SEPT	203	5	--	0	.002
SUMMARY	47,810	56,860	159	37	.087

BRAZOS RIVER BASIN

NORTH BOSQUE RIVER AT HICO--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	6,050	22,150	--	15	.269
NOV	479	1	--	0	.000
DEC	377	7	--	0	.001
JAN	579	55	--	0	.007
FEB	292	4	--	0	.001
MAR	198	0	--	0	.000
APR	207	3	--	0	.001
MAY	219	2	--	0	.001
JUNE	34	0	--	0	.000
JULY	0	0	--	0	.000
AUG	24	1	--	0	.003
SEPT	2,230	1,780	--	1	.059
SUMMARY	10,690	24,000	67	16	.165
WATER YEAR 1975					
OCT	4,300	3,910	--	3	.067
NOV	3,900	505	--	0	.010
DEC	1,000	1	--	0	.000
JAN	952	2	--	0	.000
FEB	6,240	909	--	1	.011
MAR	1,710	49	--	0	.002
APR	8,430	3,330	--	2	.029
MAY	1,810	107	--	0	.004
JUNE	931	21	--	0	.002
JULY	305	3	--	0	.001
AUG	117	0	--	0	.000
SEPT	95	0	--	0	.000
SUMMARY	29,790	8,840	25	6	.022



BRAZOS RIVER BASIN

8100500 LEON RIVER AT GATESVILLE

Net Drainage Area: 2,342 square miles.

Location: U.S. Highway 84 bridge, 1 mile west of Gatesville. Flow records are from stream-gaging station at same location.

Records Available: March 1953 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1957	574,700	1,029,708	435	609	0.132
MIN 1954	34,570	74,210	31	49	.158
AVG 21 yrs	205,999	282,062	119	185	.185

**WATER YEAR 1972**

OCT	38,290	71,860	--	47	.138
NOV	17,000	2,430	--	2	.011
DEC	44,360	45,410	--	30	.075
JAN	19,940	2,050	--	1	.008
FEB	8,790	504	--	0	.004
MAR	5,110	398	--	0	.006
APR	2,440	373	--	0	.011
MAY	13,500	16,400	--	11	.089
JUNE	1,640	463	--	0	.021
JULY	1,600	443	--	0	.020
AUG	385	33	--	0	.006
SEPT	1,350	226	--	0	.012
<b>SUMMARY</b>	<b>154,400</b>	<b>140,600</b>	<b>59</b>	<b>92</b>	<b>.067</b>

**WATER YEAR 1973**

OCT	1,550	497	--	0	.024
NOV	923	31	--	0	.002
DEC	990	4	--	0	.000
JAN	3,200	102	--	0	.002
FEB	5,050	535	--	0	.008
MAR	8,790	3,770	--	2	.032
APR	18,870	34,040	--	22	.133
MAY	26,950	17,750	--	12	.048
JUNE	13,730	15,290	--	10	.082
JULY	8,090	6,590	--	4	.060
AUG	1,900	297	--	0	.011
SEPT	487	19	--	0	.003
<b>SUMMARY</b>	<b>90,530</b>	<b>78,930</b>	<b>33</b>	<b>52</b>	<b>.064</b>

BRAZOS RIVER BASIN

LEON RIVER AT GATESVILLE--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	12,960	15,100	--	10	.086
NOV	4,390	526	--	0	.009
DEC	1,370	38	--	0	.002
JAN	2,060	81	--	0	.003
FEB	1,510	121	--	0	.006
MAR	1,360	135	--	0	.007
APR	506	26	--	0	.004
MAY	582	77	--	0	.010
JUNE	410	30	--	0	.005
JULY	41	0	--	0	.000
AUG	2,330	1,310	--	1	.041
SEPT	24,980	58,750	--	39	.173
SUMMARY	52,500	76,190	32	50	.107
WATER YEAR 1975					
OCT	18,710	20,450	--	13	.080
NOV	21,640	9,540	--	6	.032
DEC	11,680	403	--	0	.003
JAN	17,180	2,490	--	2	.011
FEB	56,200	33,670	--	22	.044
MAR	11,850	1,240	--	1	.008
APR	53,970	61,560	--	40	.084
MAY	27,300	12,050	--	8	.032
JUNE	9,860	2,700	--	2	.020
JULY	6,850	2,600	--	2	.028
AUG	2,690	1,150	--	1	.031
SEPT	920	59	--	0	.005
SUMMARY	238,900	147,900	63	97	.045

BRAZOS RIVER BASIN

8109900 SOMERVILLE LAKE NEAR SOMERVILLE

Net Drainage Area: 1,009 square miles.

Location: State Highway 36 bridge about 1 mile downstream from Somerville Reservoir. Outflow records are from stream-gaging station Yegua Creek near Somerville at the same location.

Records Available: June 1962 to date. Record represents reservoir outflow beginning February 3, 1966.

SEDIMENT OUTFLOW FROM RESERVOIR

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1969	396,500	25,760	--	26	0.005
MIN 1971	493	68	--	0	.010
AVG 9 yrs	221,300	7,441	--	6	.005

WATER YEAR 1972

OCT	0	0	--	0	.000
NOV	0	0	--	0	.000
DEC	24	0	--	0	.000
JAN	27	0	--	0	.000
FEB	14	0	--	0	.000
MAR	22	0	--	0	.000
APR	22	0	--	0	.000
MAY	45	2	--	0	.003
JUNE	1,010	60	--	0	.004
JULY	206	8	--	0	.003
AUG	14	0	--	0	.000
SEPT	355	151	--	0	.031
SUMMARY	1,740	221	0	0	.009

WATER YEAR 1973

OCT	256	0	--	0	.000
NOV	314	5	--	0	.001
DEC	165	1	--	0	.000
JAN	14,100	334	--	0	.002
FEB	48,860	787	--	1	.001
MAR	17,740	407	--	0	.002
APR	54,950	1,800	--	1	.002
MAY	19,400	625	--	0	.002
JUNE	41,350	399	--	0	.001
JULY	31,140	332	--	0	.001
AUG	21	0	--	0	.000
SEPT	224	7	--	0	.002
SUMMARY	228,500	4,700	5	3	.002

BRAZOS RIVER BASIN

SOMERVILLE LAKE NEAR SOMERVILLE--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	56,050	1,470	--	1	.002
NOV	55,950	832	--	1	.001
DEC	11,920	298	--	0	.002
JAN	17,930	689	--	0	.003
FEB	68,760	2,490	--	2	.003
MAR	3,570	158	--	0	.003
APR	1,800	66	--	0	.003
MAY	7,110	182	--	0	.002
JUNE	11,500	241	--	0	.002
JULY	18	0	--	0	.000
AUG	53	0	--	0	.000
SEPT	47,280	1,220	--	1	.002
SUMMARY	281,900	7,650	8	5	.002
WATER YEAR 1975					
OCT	77,510	870	--	1	.001
NOV	67,700	1,690	--	1	.002
DEC	88,610	1,160	--	1	.001
JAN	21,910	532	--	0	.002
FEB	39,580	1,430	--	1	.003
MAR	33,920	959	--	1	.002
APR	5,380	167	--	0	.002
MAY	29,580	608	--	0	.002
JUNE	91,800	1,790	--	1	.001
JULY	72,920	1,100	--	1	.001
AUG	22,830	312	--	0	.001
SEPT	2,520	53	--	0	.002
SUMMARY	554,300	10,670	11	7	.001

BRAZOS RIVER BASIN

8110500 NAVASOTA RIVER NEAR EASTERLY

Net Drainage Area: 968 square miles.

Location: U.S. Highway 79 bridge, 7 miles northeast of Easterly. Flow records are from stream-gaging station at same location.

Records Available: January 1942 to date, except for missing periods, February through September 1954, April through August 1958, and June through August 1959.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1944	592,700	889,340	946	584	0.110
MIN 1963	11,199	3,078	3	0	.020
AVG 30 yrs	310,573	162,887	173	107	.042

WATER YEAR 1972

OCT	1,410	1,100	--	1	.057
NOV	19,970	7,290	--	5	.027
DEC	86,190	23,800	--	16	.020
JAN	37,560	6,900	--	5	.013
FEB	10,580	4,000	--	3	.028
MAR	1,090	53	--	0	.004
APR	498	16	--	0	.002
MAY	423	16	--	0	.003
JUNE	1,190	261	--	0	.016
JULY	8,750	3,940	--	3	.033
AUG	457	56	--	0	.009
SEPT	71	0	--	0	.000
SUMMARY	168,200	47,430	50	31	.021

WATER YEAR 1973

OCT	8,470	3,000	--	2	.026
NOV	11,160	1,630	--	1	.011
DEC	16,050	5,560	--	4	.025
JAN	74,950	10,590	--	7	.010
FEB	17,400	4,460	--	3	.019
MAR	135,800	26,830	--	18	.015
APR	116,900	11,740	--	8	.007
MAY	35,710	10,460	--	7	.022
JUNE	166,300	13,870	--	9	.006
JULY	6,110	960	--	1	.012
AUG	519	32	--	0	.005
SEPT	4,760	516	--	0	.008
SUMMARY	594,100	89,650	95	59	.011

## BRAZOS RIVER BASIN

## NAVASOTA RIVER NEAR EASTERLY--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM		ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI		
WATER YEAR 1974					
OCT	155,400	19,550	--	13	.009
NOV	66,340	8,280	--	5	.009
DEC	58,710	5,420	--	4	.007
JAN	99,930	18,020	--	12	.013
FEB	21,110	2,210	--	1	.008
MAR	17,820	1,680	--	1	.007
APR	13,230	3,640	--	2	.020
MAY	20,500	3,440	--	2	.012
JUNE	582	63	--	0	.008
JULY	168	4	--	0	.002
AUG	404	24	--	0	.004
SEPT	96,030	10,890	--	7	.008
SUMMARY	550,200	73,220	78	48	.010
WATER YEAR 1975					
OCT	3,250	532	--	0	.012
NOV	241,500	33,100	--	22	.010
DEC	43,710	4,500	--	3	.008
JAN	23,730	2,460	--	2	.008
FEB	98,660	9,880	--	6	.007
MAR	10,700	1,290	--	1	.009
APR	26,810	5,370	--	4	.015
MAY	170,200	16,590	--	11	.007
JUNE	26,830	6,800	--	4	.019
JULY	12,750	2,550	--	2	.015
AUG	1,380	96	--	0	.005
SEPT	784	109	--	0	.010
SUMMARY	660,300	83,280	89	55	.009

BRAZOS RIVER BASIN

8114000 BRAZOS RIVER AT RICHMOND

Net Drainage Area: 35,441 square miles.

Location: U.S. Highway 59 bridge on northeast edge of Richmond. Flow records are from stream-gaging station at same location. Samples were obtained upriver near Rosenberg prior to April 13, 1932.

Records Available: June 11, 1924 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1941	16,120,000	97,306,510	2,792	63,824	0.443
MIN 1971	1,215,000	1,044,000	30	685	.063
AVG 51 yrs	5,287,037	23,903,094	687	15,678	.335

WATER YEAR 1972

OCT	257,700	484,900	--	318	.138
NOV	376,800	440,500	--	289	.086
DEC	757,200	1,515,000	--	994	.147
JAN	482,800	334,900	--	220	.051
FEB	224,900	96,240	--	63	.031
MAR	135,400	122,700	--	80	.067
APR	67,900	29,150	--	19	.032
MAY	473,900	754,100	--	495	.117
JUNE	145,700	104,200	--	68	.053
JULY	106,300	20,840	--	14	.014
AUG	86,780	11,780	--	8	.010
SEPT	59,980	4,890	--	3	.006
SUMMARY	3,175,000	3,919,000	113	2,571	.091

WATER YEAR 1973

OCT	79,400	83,450	--	55	.077
NOV	308,300	362,200	--	238	.086
DEC	199,100	105,500	--	69	.039
JAN	463,900	993,000	--	651	.157
FEB	512,000	430,600	--	282	.062
MAR	896,500	1,949,000	--	1,280	.160
APR	1,244,000	2,530,000	--	1,660	.149
MAY	917,700	1,361,000	--	893	.109
JUNE	1,421,000	3,625,000	--	2,380	.187
JULY	377,900	270,600	--	178	.053
AUG	165,900	42,020	--	28	.019
SEPT	134,300	47,670	--	31	.026
SUMMARY	6,720,000	11,800,000	339	7,740	.129

BRAZOS RIVER BASIN

BRAZOS RIVER AT RICHMOND--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	1,400,000	3,795,000	--	2,490	.199
NOV	581,700	684,900	--	449	.086
DEC	451,500	297,000	--	195	.048
JAN	746,500	1,664,000	--	1,090	.164
FEB	458,200	351,600	--	231	.056
MAR	219,100	47,900	--	31	.016
APR	126,700	18,940	--	12	.011
MAY	314,000	448,000	--	294	.105
JUNE	72,250	5,700	--	4	.006
JULY	63,400	2,990	--	2	.003
AUG	88,790	11,890	--	8	.010
SEPT	1,181,000	4,072,000	--	2,670	.253
SUMMARY	5,703,000	11,400,000	328	7,477	.147
WATER YEAR 1975					
OCT	504,100	309,900	--	203	.045
NOV	1,926,000	7,192,000	--	4,720	.274
DEC	901,500	1,010,000	--	662	.082
JAN	698,800	626,300	--	411	.066
FEB	1,302,000	4,069,000	--	2,670	.230
MAR	572,400	337,300	--	221	.043
APR	611,700	1,005,000	--	659	.121
MAY	1,403,000	5,043,000	--	3,310	.264
JUNE	1,264,000	2,629,000	--	1,720	.153
JULY	533,100	657,700	--	431	.091
AUG	259,800	113,900	--	75	.032
SEPT	129,100	11,530	--	8	.007
SUMMARY	10,106,000	23,005,000	661	15,089	.167



COLORADO RIVER BASIN

8146000 SAN SABA RIVER AT SAN SABA

Net Drainage Area: 3,042 square miles.

Location: State Highway 16 bridge, 1.2 miles north of San Saba. Flow records are from stream-gaging station at same location.

Records Available: April 1966 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1971	292,200	314,900	104	207	0.079
MIN 1967	51,550	22,450	7	15	.032
AVG 9 yrs	189,384	119,718	39	79	.042

WATER YEAR 1972

OCT	69,030	38,410	--	25	.041
NOV	24,900	1,190	--	1	.004
DEC	24,240	1,990	--	1	.006
JAN	15,450	346	--	0	.002
FEB	11,620	361	--	0	.002
MAR	9,720	625	--	0	.005
APR	6,970	795	--	1	.008
MAY	13,880	4,280	--	3	.023
JUNE	6,950	923	--	1	.010
JULY	5,700	1,740	--	1	.022
AUG	6,080	1,230	--	1	.015
SEPT	8,270	2,100	--	1	.019
SUMMARY	202,800	53,990	18	35	.020

WATER YEAR 1973

OCT	6,020	697	--	0	.009
NOV	6,670	323	--	0	.004
DEC	6,480	212	--	0	.002
JAN	7,510	363	--	0	.004
FEB	9,040	1,070	--	1	.009
MAR	9,840	1,040	--	1	.008
APR	9,800	2,380	--	2	.018
MAY	6,080	861	--	1	.010
JUNE	11,110	3,350	--	2	.022
JULY	5,070	589	--	0	.009
AUG	3,390	411	--	0	.009
SEPT	4,080	595	--	0	.011
SUMMARY	85,090	11,890	4	8	.010

COLORADO RIVER BASIN

SAN SABA RIVER AT SAN SABA--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	105,500	156,200	--	102	.109
NOV	13,850	870	--	1	.005
DEC	9,020	381	--	0	.003
JAN	8,260	248	--	0	.002
FEB	6,270	272	--	0	.003
MAR	6,370	544	--	0	.006
APR	4,390	330	--	0	.006
MAY	18,180	17,410	--	11	.070
JUNE	3,870	224	--	0	.004
JULY	1,490	122	--	0	.006
AUG	52,020	74,350	--	49	.105
SEPT	127,600	137,900	--	90	.079
SUMMARY	356,600	388,900	128	255	.080
WATER YEAR 1975					
OCT	24,830	2,400	--	2	.007
NOV	22,890	1,470	--	1	.005
DEC	16,710	477	--	0	.002
JAN	17,590	599	--	0	.003
FEB	21,500	3,300	--	2	.011
MAR	14,690	896	--	1	.004
APR	24,010	7,640	--	5	.023
MAY	32,170	15,660	--	10	.036
JUNE	14,790	2,010	--	1	.010
JULY	12,420	2,130	--	1	.013
AUG	8,440	1,000	--	1	.009
SEPT	6,910	745	--	0	.008
SUMMARY	217,000	38,330	13	25	.013

COLORADO RIVER BASIN

8147000 COLORADO RIVER NEAR SAN SABA

Net Drainage Area: 17,720 square miles.

Location: U.S. Highway 190 bridge, 9.2 miles east of San Saba. Flow records are from stream-gaging station at same location.

Records Available: September 11, 1930 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1935	2,564,000	14,423,520	771	9,459	0.413
MIN 1973	243,500	104,400	6	68	.032
AVG 45 yrs	891,160	2,995,339	160	1,964	.241

**WATER YEAR 1972**

OCT	211,500	216,700	--	142	.075
NOV	48,680	3,310	--	2	.005
DEC	49,380	5,440	--	4	.008
JAN	28,100	1,010	--	1	.003
FEB	23,840	740	--	0	.002
MAR	18,170	1,090	--	1	.004
APR	12,900	2,060	--	1	.012
MAY	33,720	20,990	--	14	.046
JUNE	10,780	1,490	--	1	.010
JULY	6,780	1,220	--	1	.013
AUG	13,330	2,390	--	2	.013
SEPT	15,080	2,220	--	1	.011
SUMMARY	472,300	258,700	14	170	.040

**WATER YEAR 1973**

OCT	15,740	1,820	--	1	.008
NOV	17,320	1,290	--	1	.005
DEC	13,150	696	--	0	.004
JAN	17,190	1,010	--	1	.004
FEB	19,790	1,520	--	1	.006
MAR	20,420	2,270	--	1	.008
APR	49,410	74,130	--	49	.110
MAY	15,990	2,440	--	2	.011
JUNE	33,480	11,140	--	7	.024
JULY	14,190	1,550	--	1	.008
AUG	10,480	1,760	--	1	.012
SEPT	16,300	4,800	--	3	.022
SUMMARY	243,500	104,400	6	68	.031

COLORADO RIVER BASIN

COLORADO RIVER NEAR SAN SABA--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	186,200	403,700	--	265	.159
NOV	20,570	1,210	--	1	.004
DEC	13,790	739	--	0	.004
JAN	13,380	850	--	1	.005
FEB	9,170	660	--	0	.005
MAR	10,620	985	--	1	.007
APR	5,530	465	--	0	.006
MAY	36,050	30,400	--	20	.062
JUNE	5,090	446	--	0	.006
JULY	1,590	128	--	0	.006
AUG	67,830	62,870	--	41	.068
SEPT	297,900	670,800	--	440	.165
SUMMARY	667,700	1,173,000	66	769	.129
WATER YEAR 1975					
OCT	168,900	117,900	--	77	.051
NOV	205,000	106,800	--	70	.038
DEC	58,770	6,000	--	4	.007
JAN	60,080	5,940	--	4	.007
FEB	107,200	31,890	--	21	.022
MAR	42,460	2,330	--	2	.004
APR	71,560	73,740	--	48	.076
MAY	160,300	297,000	--	195	.136
JUNE	49,400	7,330	--	5	.011
JULY	32,090	4,370	--	3	.010
AUG	15,570	1,470	--	1	.007
SEPT	12,640	1,260	--	1	.007
SUMMARY	984,000	656,000	37	430	.049

COLORADO RIVER BASIN

8148000 LAKE BUCHANAN NEAR BURNET

Net Drainage Area: 18,370 square miles.

Location: Tailrace at Buchanan Dam, 10 miles west of Burnet. Outflow records were obtained from computed releases as determined by the Lower Colorado River Authority.

Records Available: October 1947 to date.

SEDIMENT OUTFLOW FROM RESERVOIR

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1957	2,485,000	124,833	--	82	0.004
MIN 1974	280,200	8,720	--	6	.002
AVG 28 yrs	606,429	20,793	--	14	.003

WATER YEAR 1972

OCT	163,237	2,030	--	1	.001
NOV	84,091	992	--	1	.001
DEC	26,917	241	--	0	.001
JAN	51,346	363	--	0	.001
FEB	23,350	207	--	0	.001
MAR	2,033	6	--	0	.000
APR	17,623	168	--	0	.001
MAY	55,768	517	--	0	.001
JUNE	50,188	701	--	0	.001
JULY	37,080	257	--	0	.001
AUG	16,976	182	--	0	.001
SEPT	27,225	410	--	0	.001
SUMMARY	555,800	6,070	0	4	.001

WATER YEAR 1973

OCT	31,105	135	--	0	.000
NOV	10,020	57	--	0	.000
DEC	22,446	59	--	0	.000
JAN	59,135	399	--	0	.000
FEB	14,093	80	--	0	.000
MAR	599	0	--	0	.000
APR	21,668	143	--	0	.000
MAY	53,761	899	--	1	.001
JUNE	27,827	309	--	0	.001
JULY	63,353	195	--	0	.000
AUG	39,809	257	--	0	.000
SEPT	34,639	230	--	0	.000
SUMMARY	378,500	2,760	0	2	.001

COLORADO RIVER BASIN

LAKE BUCHANAN NEAR BURNET--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	7,525	541	--	0	.005
NOV	34	0	--	0	.000
DEC	8,868	152	--	0	.001
JAN	16,390	349	--	0	.002
FEB	2,908	144	--	0	.004
MAR	2,049	37	--	0	.001
APR	208	4	--	0	.001
MAY	13,718	211	--	0	.001
JUNE	8,477	225	--	0	.002
JULY	16,191	639	--	0	.003
AUG	0	0	--	0	.000
SEPT	203,791	6,420	--	4	.002
SUMMARY	280,200	8,720	0	6	.002
WATER YEAR 1975					
OCT	149,130	1,350	--	1	.001
NOV	243,931	2,730	--	2	.001
DEC	37,115	484	--	0	.001
JAN	35,155	1,440	--	1	.003
FEB	60,090	263	--	0	.000
MAR	24,494	307	--	0	.001
APR	39,739	259	--	0	.000
MAY	86,970	1,320	--	1	.001
JUNE	46,318	441	--	0	.001
JULY	8,314	199	--	0	.002
AUG	18,133	145	--	0	.001
SEPT	2,592	14	--	0	.000
SUMMARY	752,000	8,970	0	6	.001

COLORADO RIVER BASIN

8151500 LLANO RIVER AT LLANO

Net Drainage Area: 4,233 square miles.

Location: State Highway 16 bridge in downtown Llano. Flow records are from stream-gaging station Llano River at Llano, 0.4 mile downstream.

Records Available: August 1942 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1952	285,200	5,551,820	1,312	3,641	1.430
MIN 1962	104,700	1,503	0	0	.001
AVG 31 yrs	248,152	451,265	107	296	.135

**WATER YEAR 1972**

OCT	100,700	116,900	--	77	.085
NOV	23,500	346	--	0	.001
DEC	25,710	239	--	0	.001
JAN	19,700	184	--	0	.001
FEB	14,630	223	--	0	.001
MAR	10,000	43	--	0	.000
APR	7,020	67	--	0	.001
MAY	34,440	2,380	--	2	.005
JUNE	8,300	202	--	0	.002
JULY	4,810	115	--	0	.002
AUG	21,780	1,780	--	1	.006
SEPT	19,970	1,360	--	1	.005
SUMMARY	290,600	123,800	29	81	.031

**WATER YEAR 1973**

OCT	10,760	221	--	0	.002
NOV	10,110	81	--	0	.001
DEC	10,030	113	--	0	.001
JAN	11,160	117	--	0	.001
FEB	17,090	456	--	0	.002
MAR	15,070	356	--	0	.002
APR	14,650	274	--	0	.001
MAY	9,090	132	--	0	.001
JUNE	14,440	753	--	0	.004
JULY	10,320	221	--	0	.002
AUG	31,290	7,470	--	5	.018
SEPT	6,640	316	--	0	.003
SUMMARY	160,700	10,510	2	7	.005

COLORADO RIVER BASIN

LLANO RIVER AT LLANO--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	227,500	904,700	--	593	.292
NOV	20,690	282	--	0	.001
DEC	17,890	273	--	0	.001
JAN	15,090	147	--	0	.001
FEB	10,290	215	--	0	.002
MAR	9,000	224	--	0	.002
APR	6,670	105	--	0	.001
MAY	57,150	43,460	--	29	.056
JUNE	6,480	329	--	0	.004
JULY	2,890	116	--	0	.003
AUG	221,700	804,400	--	528	.267
SEPT	101,900	32,970	--	22	.024
SUMMARY	697,300	1,787,000	422	1,172	.188
WATER YEAR 1975					
OCT	39,010	15,660	--	10	.029
NOV	59,790	8,300	--	5	.010
DEC	33,290	393	--	0	.001
JAN	25,490	431	--	0	.001
FEB	54,690	3,380	--	2	.005
MAR	21,210	450	--	0	.002
APR	28,980	1,990	--	1	.005
MAY	125,100	52,350	--	34	.031
JUNE	51,500	2,140	--	1	.003
JULY	23,830	747	--	0	.002
AUG	18,190	534	--	0	.002
SEPT	15,920	299	--	0	.001
SUMMARY	497,000	86,670	20	57	.013



COLORADO RIVER BASIN

8158000 COLORADO RIVER AT AUSTIN

Net Drainage Area: 25,520 square miles.

Location: U.S. Highway 183 bridge. Flow records are from stream-gaging station Colorado River at Austin, 1,000 feet upstream from bridge.

Records Available: August 2, 1937 to date, except for May through September in 1962, and November 1963 through June 1964. Record reflects changing development above Austin. The record summary below is made for the period following closure of Town Lake Dam in Austin.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1968	2,511,000	1,016,000	38	666	0.030
MIN 1971	690,600	11,160	0	7	.001
AVG 14 yrs	1,482,719	131,569	5	86	.007

**WATER YEAR 1972**

OCT	119,900	1,080	--	1	.001
NOV	161,800	6,730	--	4	.003
DEC	170,100	1,380	--	1	.001
JAN	52,720	473	--	0	.001
FEB	32,530	505	--	0	.001
MAR	38,260	604	--	0	.001
APR	95,450	1,610	--	1	.001
MAY	91,420	2,650	--	2	.002
JUNE	112,300	2,150	--	1	.001
JULY	80,310	2,030	--	1	.002
AUG	96,490	2,520	--	2	.002
SEPT	76,210	1,090	--	1	.001
SUMMARY	1,127,000	22,820	1	15	.001

**WATER YEAR 1973**

OCT	27,770	385	--	0	.001
NOV	12,120	236	--	0	.001
DEC	12,230	501	--	0	.003
JAN	59,200	825	--	1	.001
FEB	46,040	278	--	0	.000
MAR	69,450	1,820	--	1	.002
APR	90,750	1,300	--	1	.001
MAY	164,700	2,450	--	2	.001
JUNE	107,900	2,140	--	1	.001
JULY	119,000	2,900	--	2	.002
AUG	119,300	1,440	--	1	.001
SEPT	67,910	1,060	--	1	.001
SUMMARY	896,400	15,340	1	10	.001

COLORADO RIVER BASIN

COLORADO RIVER AT AUSTIN--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	172,800	9,120	--	6	.004
NOV	59,110	1,080	--	1	.001
DEC	138,200	1,340	--	1	.001
JAN	137,000	1,030	--	1	.001
FEB	33,810	660	--	0	.001
MAR	57,610	1,570	--	1	.002
APR	89,600	753	--	0	.001
MAY	152,700	3,480	--	2	.002
JUNE	130,900	1,700	--	1	.001
JULY	112,300	1,190	--	1	.001
AUG	105,400	851	--	1	.001
SEPT	274,100	2,100	--	1	.001
SUMMARY	1,464,000	24,870	1	16	.001
WATER YEAR 1975					
OCT	288,100	2,580	--	2	.001
NOV	523,700	19,190	--	13	.003
DEC	146,100	1,970	--	1	.001
JAN	179,900	2,380	--	2	.001
FEB	343,400	4,360	--	3	.001
MAR	189,100	2,150	--	1	.001
APR	143,800	2,240	--	1	.001
MAY	462,700	10,930	--	7	.002
JUNE	371,400	4,150	--	3	.001
JULY	202,700	1,220	--	1	.000
AUG	106,000	593	--	0	.000
SEPT	82,670	2,500	--	2	.002
SUMMARY	3,040,000	54,260	2	36	.001

## LAVACA RIVER BASIN

8164000 LAVACA RIVER NEAR EDNA

Net Drainage Area: 817 square miles.Location: U.S. Highway 59 bridge, 2.8 miles southwest of Edna. Flow records are from stream-gaging station at same location.Records Available: September 1945 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1958	372,100	432,669	488	284	0.085
MIN 1956	4,440	4,672	5	3	.077
AVG 30 yrs	216,433	153,182	175	100	.056

## WATER YEAR 1972

OCT	22,150	7,010	--	5	.023
NOV	4,810	494	--	0	.008
DEC	34,110	14,830	--	10	.032
JAN	21,970	7,220	--	5	.024
FEB	26,580	6,240	--	4	.017
MAR	13,970	11,740	--	8	.062
APR	3,810	661	--	0	.013
MAY	191,100	49,000	--	32	.019
JUNE	23,650	9,630	--	6	.030
JULY	6,600	1,850	--	1	.021
AUG	6,560	3,760	--	2	.042
SEPT	2,870	467	--	0	.012
SUMMARY	358,200	112,900	137	74	.023

## WATER YEAR 1973

OCT	2,410	733	--	0	.022
NOV	2,420	311	--	0	.009
DEC	2,160	168	--	0	.006
JAN	4,380	2,420	--	2	.041
FEB	9,510	4,070	--	3	.031
MAR	65,340	25,700	--	17	.029
APR	153,600	52,040	--	34	.025
MAY	34,140	28,290	--	19	.061
JUNE	297,800	91,440	--	60	.023
JULY	23,690	6,880	--	5	.021
AUG	9,980	2,630	--	2	.019
SEPT	14,460	4,150	--	3	.021
SUMMARY	619,900	218,800	268	144	.026

## LAVACA RIVER BASIN

## LAVACA RIVER NEAR EDNA--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	110,200	17,660	--	12	.012
NOV	12,900	3,190	--	2	.018
DEC	7,860	1,200	--	1	.011
JAN	68,140	44,520	--	29	.048
FEB	13,300	10,140	--	7	.056
MAR	7,550	859	--	1	.008
APR	5,890	739	--	0	.009
MAY	30,950	19,650	--	13	.047
JUNE	50,810	28,220	--	19	.041
JULY	3,860	384	--	0	.007
AUG	6,560	2,840	--	2	.032
SEPT	90,390	29,690	--	19	.024
SUMMARY	408,400	159,100	195	104	.029
WATER YEAR 1975					
OCT	8,940	2,160	--	1	.018
NOV	37,870	25,510	--	17	.049
DEC	17,270	5,850	--	4	.025
JAN	10,430	1,190	--	1	.008
FEB	9,640	2,310	--	2	.018
MAR	5,930	415	--	0	.005
APR	34,980	16,470	--	11	.035
MAY	106,200	77,540	--	51	.054
JUNE	28,880	10,520	--	7	.027
JULY	27,370	19,930	--	13	.053
AUG	6,050	1,430	--	1	.017
SEPT	4,570	747	--	0	.012
SUMMARY	298,100	164,100	201	108	.040

## LAVACA RIVER BASIN

8164300 NAVIDAD RIVER NEAR HALLETTSVILLE

Net Drainage Area: 332 square miles.Location: U.S. Highway 90A bridge, 8 miles east-northeast of Hallettsville. Flow records are from stream-gaging station at same location.Records Available: March 1962 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1965	125,874	113,136	340	74	0.066
MIN 1964	12,524	8,697	26	6	.051
AVG 13 yrs	119,565	48,434	145	32	.034

## WATER YEAR 1972

OCT	3,950	617	--	0	.011
NOV	1,340	68	--	0	.004
DEC	13,310	6,330	--	4	.035
JAN	6,260	1,790	--	1	.021
FEB	4,990	198	--	0	.003
MAR	15,320	47,230	--	31	.226
APR	1,690	157	--	0	.007
MAY	92,350	45,470	--	30	.036
JUNE	8,390	11,960	--	8	.105
JULY	1,880	286	--	0	.011
AUG	1,510	152	--	0	.007
SEPT	623	25	--	0	.003
SUMMARY	151,600	114,300	344	75	.055

## WATER YEAR 1973

OCT	668	23	--	0	.003
NOV	1,010	20	--	0	.001
DEC	1,130	15	--	0	.001
JAN	2,800	73	--	0	.002
FEB	3,720	118	--	0	.002
MAR	11,310	3,670	--	2	.024
APR	68,900	13,950	--	9	.015
MAY	7,200	1,500	--	1	.015
JUNE	106,700	19,850	--	13	.014
JULY	5,630	1,560	--	1	.020
AUG	2,010	182	--	0	.007
SEPT	2,900	402	--	0	.010
SUMMARY	214,000	41,360	125	27	.014

## LAVACA RIVER BASIN

NAVIDAD RIVER NEAR HALLETTSVILLE--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	29,280	4,180	--	3	.010
NOV	6,060	952	--	1	.012
DEC	4,450	204	--	0	.003
JAN	41,780	7,720	--	5	.014
FEB	6,390	642	--	0	.007
MAR	3,890	60	--	0	.001
APR	2,760	145	--	0	.004
MAY	7,470	991	--	1	.010
JUNE	11,530	2,740	--	2	.017
JULY	863	78	--	0	.007
AUG	9,540	6,230	--	4	.048
SEPT	117,600	15,310	--	10	.010
SUMMARY	241,600	39,250	118	26	.012
WATER YEAR 1975					
OCT	3,930	1,270	--	1	.024
NOV	21,250	2,980	--	2	.010
DEC	7,630	265	--	0	.003
JAN	5,820	257	--	0	.003
FEB	9,700	1,570	--	1	.012
MAR	3,670	287	--	0	.006
APR	21,860	9,190	--	6	.031
MAY	58,890	7,960	--	5	.010
JUNE	11,300	943	--	1	.006
JULY	5,260	709	--	0	.010
AUG	2,230	465	--	0	.015
SEPT	1,400	114	--	0	.006
SUMMARY	152,900	26,010	78	17	.012

GUADALUPE RIVER BASIN

8167500 GUADALUPE RIVER NEAR SPRING BRANCH

Net Drainage Area: 1,315 square miles.

Location: Ranch Road 311 bridge, 2.0 miles southeast of Spring Branch. Flow records are from stream-gaging station at same location.

Records Available: January 1942 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1957	212,500	873,384	664	573	0.302
MIN 1956	9,650	871	1	1	.007
AVG 33 yrs	207,669	170,864	130	112	.067

WATER YEAR 1972

OCT	64,470	15,050	--	10	.017
NOV	37,690	3,440	--	2	.007
DEC	31,320	1,060	--	1	.002
JAN	20,250	762	--	0	.003
FEB	15,390	601	--	0	.003
MAR	12,800	664	--	0	.004
APR	12,980	2,600	--	2	.015
MAY	89,570	49,560	--	33	.041
JUNE	29,320	5,020	--	3	.013
JULY	13,520	1,560	--	1	.008
AUG	20,580	5,110	--	3	.018
SEPT	11,620	1,020	--	1	.006
SUMMARY	359,500	86,450	66	57	.018

WATER YEAR 1973

OCT	12,040	5,630	--	4	.034
NOV	13,990	766	--	1	.004
DEC	11,220	358	--	0	.002
JAN	13,570	891	--	1	.005
FEB	18,580	1,290	--	1	.005
MAR	23,450	1,630	--	1	.005
APR	22,490	2,000	--	1	.007
MAY	17,210	1,480	--	1	.006
JUNE	29,990	16,030	--	11	.039
JULY	124,200	83,190	--	55	.049
AUG	33,190	2,900	--	2	.006
SEPT	25,790	2,060	--	1	.006
SUMMARY	345,700	118,200	90	78	.025

GUADALUPE RIVER BASIN

GUADALUPE RIVER NEAR SPRING BRANCH--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	92,720	42,840	--	28	.034
NOV	37,310	688	--	0	.001
DEC	22,530	299	--	0	.001
JAN	17,800	201	--	0	.001
FEB	13,190	180	--	0	.001
MAR	13,380	222	--	0	.001
APR	10,300	320	--	0	.002
MAY	48,820	34,610	--	23	.052
JUNE	11,390	632	--	0	.004
JULY	5,500	381	--	0	.005
AUG	42,590	49,200	--	32	.085
SEPT	37,510	8,710	--	6	.017
SUMMARY	353,000	138,300	105	91	.029
WATER YEAR 1975					
OCT	20,010	643	--	0	.002
NOV	55,850	11,410	--	7	.015
DEC	31,100	690	--	0	.002
JAN	35,490	612	--	0	.001
FEB	103,800	13,810	--	9	.010
MAR	42,140	1,310	--	1	.002
APR	32,130	2,100	--	1	.005
MAY	111,800	46,630	--	31	.031
JUNE	74,640	9,710	--	6	.010
JULY	44,370	12,650	--	8	.021
AUG	21,190	629	--	0	.002
SEPT	15,720	495	--	0	.002
SUMMARY	588,200	100,700	77	66	.013



GUADALUPE RIVER BASIN

8176500 GUADALUPE RIVER AT VICTORIA

Net Drainage Area: 5,198 square miles.

Location: U.S. Highway 59 bridge in Victoria. Flow records are from stream-gaging station at same location.

Records Available: September 1945 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1957	1,429,000	1,499,513	291	984	0.077
MIN 1956	95,500	8,685	2	4	.007
AVG 30 yrs	1,175,486	511,078	98	335	.033

WATER YEAR 1972

OCT	89,350	13,130	--	9	.011
NOV	86,180	8,490	--	6	.007
DEC	124,600	31,290	--	21	.018
JAN	88,900	9,760	--	6	.008
FEB	91,060	9,600	--	6	.008
MAR	64,940	4,770	--	3	.005
APR	45,000	2,450	--	2	.004
MAY	752,000	468,300	--	307	.046
JUNE	166,000	49,800	--	33	.022
JULY	101,300	9,500	--	6	.007
AUG	82,570	8,190	--	5	.007
SEPT	57,800	4,640	--	3	.006
SUMMARY	1,750,000	619,900	119	407	.026

WATER YEAR 1973

OCT	57,370	4,910	--	3	.006
NOV	52,270	2,850	--	2	.004
DEC	51,450	1,170	--	1	.002
JAN	69,380	6,070	--	4	.006
FEB	90,780	14,990	--	10	.012
MAR	155,600	80,390	--	53	.038
APR	307,900	109,200	--	72	.026
MAY	138,500	34,520	--	23	.018
JUNE	446,900	146,000	--	96	.024
JULY	263,000	114,600	--	75	.032
AUG	167,300	33,360	--	22	.015
SEPT	130,300	33,690	--	22	.019
SUMMARY	1,931,000	581,800	112	382	.022

GUADALUPE RIVER BASIN

GUADALUPE RIVER AT VICTORIA--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	648,600	208,300	--	137	.024
NOV	202,100	37,290	--	24	.014
DEC	131,800	9,830	--	6	.005
JAN	224,300	91,230	--	60	.030
FEB	105,100	13,950	--	9	.010
MAR	89,950	7,060	--	5	.006
APR	70,870	5,470	--	4	.006
MAY	136,000	66,140	--	43	.036
JUNE	102,500	25,740	--	17	.018
JULY	52,980	7,870	--	5	.011
AUG	61,020	9,220	--	6	.011
SEPT	233,700	131,000	--	86	.041
SUMMARY	2,059,000	613,100	118	402	.022
WATER YEAR 1975					
OCT	87,450	5,180	--	3	.004
NOV	278,800	301,000	--	197	.079
DEC	175,100	39,080	--	26	.016
JAN	129,100	8,090	--	5	.005
FEB	256,100	104,000	--	68	.030
MAR	138,300	14,310	--	9	.008
APR	132,900	32,650	--	21	.018
MAY	544,200	272,000	--	178	.037
JUNE	383,300	155,000	--	102	.030
JULY	203,400	60,400	--	40	.022
AUG	122,700	16,920	--	11	.010
SEPT	86,920	9,650	--	6	.008
SUMMARY	2,538,000	1,018,000	196	668	.029

SAN ANTONIO RIVER BASIN

8186000 CIBOLO CREEK NEAR FALLS CITY

Net Drainage Area: 827 square miles.

Location: State Highway 123 bridge, 5.5 miles northeast of Falls City. Flow records from stream-gaging station at same location.

Records Available: June 1963 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1968	189,100	411,600	498	270	0.160
MIN 1964	35,782	8,830	11	6	.018
AVG 12 yrs	110,818	139,426	169	92	.096

WATER YEAR 1972

OCT	7,850	2,540	--	2	.024
NOV	1,880	136	--	0	.005
DEC	6,850	7,470	--	5	.080
JAN	1,850	71	--	0	.003
FEB	1,470	55	--	0	.003
MAR	1,290	142	--	0	.008
APR	875	53	--	0	.004
MAY	137,100	278,600	--	183	.149
JUNE	9,260	5,160	--	3	.041
JULY	3,170	392	--	0	.009
AUG	2,270	343	--	0	.011
SEPT	1,640	167	--	0	.007
SUMMARY	175,500	295,100	357	194	.124

WATER YEAR 1973

OCT	1,330	106	--	0	.006
NOV	1,810	98	--	0	.004
DEC	1,740	61	--	0	.003
JAN	2,440	175	--	0	.005
FEB	4,410	982	--	1	.016
MAR	4,150	3,320	--	2	.059
APR	25,060	30,420	--	20	.089
MAY	3,250	434	--	0	.010
JUNE	63,840	55,130	--	36	.063
JULY	59,190	49,350	--	32	.061
AUG	6,440	1,680	--	1	.019
SEPT	93,960	136,900	--	90	.107
SUMMARY	267,600	278,700	337	183	.077

SAN ANTONIO RIVER BASIN

CIBOLO CREEK NEAR FALLS CITY--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	61,240	37,950	--	25	.046
NOV	9,960	1,760	--	1	.013
DEC	4,930	249	--	0	.004
JAN	6,150	537	--	0	.006
FEB	3,260	338	--	0	.008
MAR	3,160	467	--	0	.011
APR	2,530	338	--	0	.010
MAY	6,680	3,310	--	2	.036
JUNE	1,860	231	--	0	.009
JULY	1,300	185	--	0	.010
AUG	13,140	22,990	--	15	.129
SEPT	13,360	9,070	--	6	.050
SUMMARY	127,600	77,430	94	51	.045
WATER YEAR 1975					
OCT	2,060	240	--	0	.009
NOV	16,240	11,000	--	7	.050
DEC	4,160	418	--	0	.007
JAN	3,290	188	--	0	.004
FEB	15,950	10,320	--	7	.048
MAR	2,900	422	--	0	.011
APR	4,770	1,130	--	1	.017
MAY	37,910	38,810	--	25	.075
JUNE	16,130	11,350	--	7	.052
JULY	4,260	755	--	0	.013
AUG	3,230	587	--	0	.013
SEPT	1,860	161	--	0	.006
SUMMARY	112,800	75,380	91	49	.049

SAN ANTONIO RIVER BASIN

8188500 SAN ANTONIO RIVER AT GOLIAD

Net Drainage Area: 3,921 square miles.

Location: U.S. Highway 183 bridge in Goliad. Flow records are from stream-gaging station at same location.

Records Available: January 1942 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1957	705,400	1,725,533	440	1,132	0.180
MIN 1954	103,800	76,530	20	50	.054
AVG 33 yrs	458,535	487,200	124	319	.084

WATER YEAR 1972

OCT	86,180	65,440	--	43	.056
NOV	54,320	27,500	--	18	.037
DEC	48,860	27,240	--	18	.041
JAN	32,990	9,060	--	6	.020
FEB	25,950	4,790	--	3	.014
MAR	21,760	4,200	--	3	.014
APR	33,060	42,410	--	28	.094
MAY	260,400	223,000	--	146	.063
JUNE	63,870	50,150	--	33	.058
JULY	31,790	8,130	--	5	.019
AUG	32,040	15,170	--	10	.035
SEPT	30,770	33,040	--	22	.079
SUMMARY	722,000	510,100	130	335	.052

WATER YEAR 1973

OCT	37,480	29,020	--	19	.057
NOV	27,600	5,670	--	4	.015
DEC	24,340	1,990	--	1	.006
JAN	27,160	4,610	--	3	.012
FEB	34,330	14,630	--	10	.031
MAR	32,060	14,380	--	9	.033
APR	106,600	78,670	--	52	.054
MAY	36,700	11,770	--	8	.024
JUNE	253,100	172,000	--	113	.050
JULY	290,400	129,900	--	85	.033
AUG	86,060	37,510	--	25	.032
SEPT	133,600	135,200	--	89	.074
SUMMARY	1,089,000	635,400	162	417	.043

SAN ANTONIO RIVER BASIN

SAN ANTONIO RIVER AT GOLIAD--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	435,600	207,900	--	136	.035
NOV	96,680	32,530	--	21	.025
DEC	57,940	8,560	--	6	.011
JAN	50,730	8,650	--	6	.013
FEB	37,550	5,010	--	3	.010
MAR	36,110	8,590	--	6	.017
APR	30,550	7,470	--	5	.018
MAY	47,930	30,080	--	20	.046
JUNE	31,000	13,190	--	9	.031
JULY	15,640	2,860	--	2	.013
AUG	64,030	60,910	--	40	.070
SEPT	98,780	82,590	--	54	.061
SUMMARY	1,003,000	468,300	119	307	.034
WATER YEAR 1975					
OCT	41,690	10,260	--	7	.018
NOV	64,770	37,140	--	24	.042
DEC	43,980	7,120	--	5	.012
JAN	47,230	7,450	--	5	.012
FEB	114,800	55,650	--	37	.036
MAR	56,030	13,460	--	9	.018
APR	46,630	22,740	--	15	.030
MAY	154,800	144,400	--	95	.069
JUNE	135,200	93,450	--	61	.051
JULY	60,280	21,390	--	14	.026
AUG	36,340	10,330	--	7	.021
SEPT	30,350	7,650	--	5	.019
SUMMARY	832,100	431,000	110	283	.038

NUECES RIVER BASIN

8194000 NUECES RIVER AT COTULLA

Net Drainage Area: 5,260 square miles.

Location: U.S. Highway 81 bridge at Cotulla. Flow records are from stream-gaging station at same location.

Records Available: January 1942 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1958	359,400	474,297	90	311	0.097
MIN 1969	28,760	6,160	1	4	.016
AVG 33 yrs	185,207	71,828	14	47	.029

**WATER YEAR 1972**

OCT	190,700	21,740	--	14	.008
NOV	24,680	2,700	--	2	.008
DEC	12,780	1,190	--	1	.007
JAN	8,370	719	--	0	.006
FEB	5,600	497	--	0	.007
MAR	2,570	216	--	0	.006
APR	179	8	--	0	.003
MAY	6,120	547	--	0	.007
JUNE	1,370	57	--	0	.003
JULY	15	0	--	0	.000
AUG	33,270	3,350	--	2	.007
SEPT	6,300	447	--	0	.005
<b>SUMMARY</b>	<b>292,000</b>	<b>31,470</b>	<b>6</b>	<b>21</b>	<b>.008</b>

**WATER YEAR 1973**

OCT	1,760	50	--	0	.002
NOV	12	0	--	0	.000
DEC	19	0	--	0	.000
JAN	514	22	--	0	.003
FEB	1,360	47	--	0	.003
MAR	1,170	39	--	0	.002
APR	181	5	--	0	.002
MAY	18	0	--	0	.000
JUNE	0	0	--	0	.000
JULY	11,530	1,470	--	1	.009
AUG	3,140	174	--	0	.004
SEPT	29,710	11,340	--	7	.028
<b>SUMMARY</b>	<b>49,410</b>	<b>13,150</b>	<b>3</b>	<b>9</b>	<b>.020</b>

NUECES RIVER BASIN

NUECES RIVER AT COTULLA--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
WATER YEAR 1974					
OCT	156,200	71,560	--	47	.034
NOV	29,000	3,470	--	2	.009
DEC	14,340	563	--	0	.003
JAN	7,030	147	--	0	.002
FEB	3,900	120	--	0	.002
MAR	9,030	2,630	--	2	.021
APR	1,400	63	--	0	.003
MAY	12,240	1,330	--	1	.008
JUNE	205	3	--	0	.001
JULY	0	0	--	0	.000
AUG	20,990	4,850	--	3	.017
SEPT	26,150	4,700	--	3	.013
SUMMARY	280,500	89,440	17	59	.023
WATER YEAR 1975					
OCT	2,710	89	--	0	.002
NOV	15,600	1,220	--	1	.006
DEC	5,240	97	--	0	.001
JAN	4,390	107	--	0	.002
FEB	4,660	185	--	0	.003
MAR	2,040	72	--	0	.003
APR	4,160	337	--	0	.006
MAY	7,200	1,100	--	1	.011
JUNE	119,700	8,320	--	5	.005
JULY	49,630	3,370	--	2	.005
AUG	7,980	363	--	0	.003
SEPT	3,800	174	--	0	.003
SUMMARY	227,100	15,430	3	10	.005



NUECES RIVER BASIN

8207000 FRIO RIVER AT CALLIHAM

Net Drainage Area: 5,491 square miles.

Location: Farm Road 99 bridge, 1 mile north of Calliham. Flow records are from stream-gaging Frio River at Calliham, about 2,500 feet upstream from sampling point.

Records Available: January 1953 to date.

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1967	410,400	490,000	89	321	0.088
MIN 1969	12,290	16,460	3	11	.098
AVG 22 yrs	170,269	133,662	24	87	.065

**WATER YEAR 1972**

OCT	116,900	16,080	--	11	.010
NOV	15,780	1,670	--	1	.008
DEC	7,360	383	--	0	.004
JAN	4,870	102	--	0	.002
FEB	3,610	95	--	0	.002
MAR	2,270	110	--	0	.004
APR	1,580	83	--	0	.004
MAY	20,880	12,870	--	8	.045
JUNE	2,590	263	--	0	.007
JULY	595	32	--	0	.004
AUG	4,180	1,880	--	1	.033
SEPT	24,070	11,720	--	8	.036
<b>SUMMARY</b>	<b>204,700</b>	<b>45,290</b>	<b>8</b>	<b>30</b>	<b>.016</b>

**WATER YEAR 1973**

OCT	2,850	162	--	0	.004
NOV	1,430	28	--	0	.001
DEC	1,840	53	--	0	.002
JAN	2,320	66	--	0	.002
FEB	3,480	229	--	0	.005
MAR	2,630	133	--	0	.004
APR	8,710	3,140	--	2	.026
MAY	2,020	145	--	0	.005
JUNE	30,200	19,160	--	13	.047
JULY	107,500	12,980	--	9	.009
AUG	22,700	4,140	--	3	.013
SEPT	45,560	17,270	--	11	.028
<b>SUMMARY</b>	<b>231,200</b>	<b>57,510</b>	<b>10</b>	<b>38</b>	<b>.018</b>

NUECES RIVER BASIN

FRIO RIVER AT CALLIHAM--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM TONS	TONS PER SQ MI	ACRE-FEET	DRY SEDIMENT PCT BY WEIGHT
WATER YEAR 1974					
OCT	88,300	10,160	--	7	.008
NOV	16,050	1,850	--	1	.008
DEC	8,570	186	--	0	.002
JAN	7,510	146	--	0	.001
FEB	5,400	136	--	0	.002
MAR	14,570	3,050	--	2	.015
APR	3,480	234	--	0	.005
MAY	11,050	3,040	--	2	.020
JUNE	3,840	341	--	0	.007
JULY	862	80	--	0	.007
AUG	31,840	17,760	--	12	.041
SEPT	71,330	45,870	--	30	.047
SUMMARY	262,800	82,850	15	54	.023
WATER YEAR 1975					
OCT	8,520	618	--	0	.005
NOV	7,920	613	--	0	.006
DEC	6,760	189	--	0	.002
JAN	6,710	360	--	0	.004
FEB	21,610	3,620	--	2	.012
MAR	5,790	779	--	1	.010
APR	5,910	853	--	1	.011
MAY	55,560	34,140	--	22	.045
JUNE	22,550	5,800	--	4	.019
JULY	10,160	2,880	--	2	.021
AUG	4,770	358	--	0	.006
SEPT	9,350	2,270	--	1	.018
SUMMARY	165,600	52,480	10	34	.023

NUECES RIVER BASIN

8210500 LAKE CORPUS CHRISTI NEAR MATHIS

Net Drainage Area: 16,660 square miles.

Location: Sediment outflow measured at State Highway 359 bridge about 0.6 mile downstream from Wesley E. Seale Dam. Flow records are from stream-gaging station Nueces River near Mathis, at the same location.

Records Available: February 2, 1942 through May 1958, and July 1961 to date.

SEDIMENT OUTFLOW FROM RESERVOIR

RECORD PERIOD	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM			DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET	
MAX 1967	1,569,000	177,625	--	117	0.008
MIN 1963	79,240	2,769	--	2	.003
AVG 14 yrs	633,594	47,569	--	31	.004

WATER YEAR 1972

OCT	913,300	53,680	--	35	.004
NOV	80,890	5,480	--	4	.005
DEC	25,730	1,050	--	1	.003
JAN	19,660	479	--	0	.002
FEB	16,940	210	--	0	.001
MAR	6,370	84	--	0	.001
APR	8,180	158	--	0	.001
MAY	154,900	3,240	--	2	.002
JUNE	15,240	256	--	0	.001
JULY	7,700	265	--	0	.003
AUG	9,200	301	--	0	.002
SEPT	34,380	2,330	--	2	.005
SUMMARY	1,292,000	67,530	4	44	.004

WATER YEAR 1973

OCT	9,890	323	--	0	.002
NOV	8,210	294	--	0	.003
DEC	7,580	131	--	0	.001
JAN	7,620	243	--	0	.002
FEB	5,810	105	--	0	.001
MAR	6,450	160	--	0	.002
APR	6,380	225	--	0	.003
MAY	8,190	193	--	0	.002
JUNE	250,700	6,690	--	4	.002
JULY	103,900	3,540	--	2	.003
AUG	34,820	789	--	1	.002
SEPT	67,070	1,340	--	1	.001
SUMMARY	516,600	14,030	1	9	.002

NUECES RIVER BASIN

LAKE CORPUS CHRISTI NEAR MATHIS--Continued

MONTH	STREAMFLOW ACRE-FEET	SUSPENDED-SEDIMENT LOAD OF STREAM		DRY SEDIMENT PCT BY WEIGHT
		TONS	TONS PER SQ MI	ACRE-FEET
WATER YEAR 1974				
OCT	465,900	20,480	--	13
NOV	65,950	1,330	--	1
DEC	19,830	386	--	0
JAN	14,710	286	--	0
FEB	14,830	433	--	0
MAR	29,340	693	--	0
APR	13,140	297	--	0
MAY	11,930	307	--	0
JUNE	10,830	295	--	0
JULY	9,530	345	--	0
AUG	69,930	1,500	--	1
SEPT	174,600	5,020	--	3
SUMMARY	900,500	31,370	2	21
WATER YEAR 1975				
OCT	9,940	313	--	0
NOV	19,330	566	--	0
DEC	11,730	310	--	0
JAN	10,730	793	--	1
FEB	19,140	352	--	0
MAR	7,980	254	--	0
APR	5,990	119	--	0
MAY	97,470	1,610	--	1
JUNE	119,700	3,810	--	3
JULY	67,310	2,480	--	2
AUG	14,820	397	--	0
SEPT	15,340	441	--	0
SUMMARY	399,500	11,450	1	8