Report 343

Borehole Geophysical Techniques for Determining the Water Quality and Reservoir Parameters of Fresh and Saline Water Aquifers in Texas

Volume II of II

June 1993

Texas Water Development Board

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Borehole Geophysical Techniques for Determining the Water Quality and Reservoir Parameters of Fresh and Saline Water Aquifers in Texas - Volume II of II

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WATER-QUALITY DATA BASE

Section 1

The following data base was compiled during this study. There are 771 entries from 116 Texas counties. Wells that have water analyses and/or log data for more than one zone have more than one line in the data base. The entry for each well was compiled from information taken from the water analysis, wireline log, driller's log, and material setting diagram. In some cases only part of this data was available. J. L. Myers Company, Layne-Western Company, Layne-Texas Company, Lanford Drilling Company, J. F. Fontaine and Associates, McKinley Drilling Company, Crowell Drilling Company, and the Texas Water Development Board provided the vast majority of the data.

This data base provides the raw data that are needed for constructing TDS-C_w graphs and for determining C_w from log data.

This introduction provides an explanation of the various columns in the data base and is a key to the abbreviations. The explanation for each column is listed in the same order in which the column appears in the data base.

EXPLANATION

LOG HEADING DATA

County — 116 counties in Texas are represented. The first entry for each county is presented in bold print.

Well Name — Name of the public or private entity for which the well was drilled and the owner's well number. In some cases the well name had to be obtained from a document in the well file other than the log heading.

WS	Water Supply Well
TH	Test Hole

Drilling Co. — The name of the drilling company or the petroleum exploration company that drilled the well. Abbreviations were not used for companies appearing only a few times.

A&F	Andrews & Foster
Alsay	Alsay
Ark. FOC	Arkansas Fuel Oil

Bethel WS	Bethel Water Supply
BM	Bobby Manziel
Continental	Continental Oil
Durham	D. E. Durham, et al.
Edington	B. F. Edington Drilling
Frye	Frye Drilling
Gilcrease	Gilcrease Oil
H&H	H&H Water Well Drilling
H&J	H & J Drilling
Holly	Holly Mining
Howell	Howell
JLM	J. L. Myers Drilling
JRJohnson	J. R. Johnson
KD	Katy Drilling
Key	Key Drilling
L	Lanford Drilling
Lone Star	Long Star Production
LT	Layne Texas
LW	Layne-Western
LW-KD	Layne-Western - Katy Drilling
Maltsberger	Maltsberger and Sons
McK	McKinley Drilling
McKenzie	McKenzie Petroleum
McMullen	McMullen County
Mobil	Mobil Oil
Newman	Newman Brothers Drilling
Pan Amer.	Pan American Petroleum
Pomykal	Pomykal Drilling
R&M	R&M
Rehkop	Rehkop Drilling
Rich	Rich
Rowen&Hope	Rowen & Hope
RPM	R. P. M. Water Supply
Russell	Russell Drilling
Schultz	L. E. Schultz
Scibienski	T. S. Scibienski
Sheffield	Sheffield Steel
SLT	Singer-Layne Texas
Stodd	Stodd
Triangle	Triangle Pump & Supply
TWI	TWI
Tx WW	Texas Water Wells
Vickers	Carl Vickers Water Well Drilling
Wes-Tex	Wes-Tex Tool Service

West&Rehkop	West & Rehkop Drilling

Date Drilled Month and year the well was drilled.

Logging Co. The service company that logged the well.

A	Admyr
C	Charlene Well Surveying
Cor	Corsicana Well Logging Service
DA	Dresser Atlas
G	Gearhart
H	Halliburton
K	Key Drilling
LT	Layne Texas
LWS	Lane Wells
PGAC	Perforating Guns Atlas Corp.
R	Mike Rathman Drilling
S	Schlumberger Well Services
T	Tejas
W	Welex
--	Service company not named.

Logging Suite The wireline logging tools used in the borehole. Not all wells were logged.

BHC	Borehole Compensated Sonic
CAL	Caliper
CBL	Cement Bond Log
CDL	Compensated Density Log
CDR	Continuous Directional Log
CL	Correlation Log
CN	Compensated Neutron
D	Density Log
DIL	Dual Induction
DR	Directional Log
EL	Electric Log
EL-Widco	Electric Log-Widco
ES	Electrical Survey
FDC	Formation Density Log (Compensated)
FDL	Fluid Density Log
FEDS	Four-Electrode Dipmeter Computed Results
FL	Focused Log
FT	Formation Tester
GR	Gamma Ray Log

IEL	Induction Electric Log
IES	Induction Electrical Survey
IL	Induction Log
ILL	Induction Laterolog
I-SFL	Induction-Spherically Focused Log
LL	Laterolog
MEL	Micro Electric Log
ML	Microlog
MLC	Microlog and Caliper
N	Neutron Log
SFL	Spherically Focused Log
SG	Section Gauge
SGR	Spectral Gamma Ray
Sonic-GR	Sonic and Gamma Ray
ST	Sample Taker
TL	Temperature Log
X-Y Cal.	X-Y Caliper

T.D. Total depth of the borehole in feet. Either the driller's depth or the logger's depth is recorded in this column. Usually the logger's depth is recorded. Often there is a difference of a few feet between the two depths. It is usually impossible to determine which depth is more accurate, but in all probability the log depth will be more accurate.

Temp. @ T.D. The maximum temperature recorded in ° F during the logging run. Some thermometers could not record temperatures lower than 100° F, thus the < 100° F entries. Also, this probably explains many of the 100° F readings. Therefore, little confidence should be placed in the 100° F entries (especially those with TD's less than 1000 feet). Not all logging jobs had thermometers.

Bit Size Size of the drill bit in inches.

Mud Type This is usually the type of drilling fluid in the borehole at the time of logging. Changes in the mud system during drilling are usually not documented on the log heading. Abbreviations in the data base are as they appear on the log heading. No comprehensive key or explanation is provided since drilling mud terminology and abbreviations vary among drillers and logging engineers. Common abbreviations are:

Bar	Baroid (commercial brand)

Chem	Chemical
FGM	Fresh water gel mud
Nat	Native or Natural

Source of Mud Sample Source of the mud sample used to measure Rm. A mud sample was not collected or analyzed for many boreholes.

Circ	Circulated
Flowl	Flowline
Pit	Mud pit
Circ Pit	Circulated sample taken from the mud pit

Source of Rmf Source of the resistivity measurement of the mud filtrate.

C	Chart which estimates Rmf from Rm.
M	Measured from a mud filtrate sample.

Rm Resistivity of the drilling mud sample in ohm-meters. Some older meters could not read above 10 ohm-meters, thus the 10^+ entries.

Temp. Rm Temperature in ° F of the drilling mud sample when Rm was measured.

Rmf Resistivity in ohm-meters of the drilling mud filtrate. Some older meters could not read greater than 10 ohm-meters, thus the 10^+ entries.

Temp. Rmf Temperature in ° F of the drilling mud filtrate when Rmf was measured.

LOG DATA

Aquifer Name of the water-bearing unit which produced the ground water from which the water analysis and/or log analysis was made. Tenuous identifications are followed by a ?.

SP The reading in millivolts (mv) of the SP curve for the interval from which the water analysis and/or the log analysis was made. In some cases the entry consists of a range of values rather than a single value.

Ri_H The highest resistivity value on the shallow-reading resistivity curve that is representative of the interval from which the water analysis and/or the log analysis was made. Generally the curve is either a 16 inch short normal, a short guard, or an SFL tool. This value in ohm-meters is assumed to be the resistivity of the invaded zone (Ri). Some intervals have a range of Ri values, necessitating a high and a low value. If the zone has a single Ri value, it was placed in this column.

Ri_L The lowest resistivity value on the shallow-reading resistivity curve that is representative of the interval from which the water analysis and/or the log analysis was made. Generally the curve is from either a 16 inch short normal, a short guard, or an SFL tool. This value in ohm-meters is assumed to be the resistivity of the invaded zone (Ri). Some intervals have a range of Ri values, necessitating a high and a low value.

Ro_H The highest resistivity value on the deep-reading resistivity curve that is representative of the interval from which the water analysis and/or the log analysis was made. Generally the curve is from either a 64 inch long normal, a lateral, or a deep induction tool. This value in ohm-meters is assumed to be the resistivity of the uninvaded zone (Ro). Some intervals have a range of Ro values, necessitating both a high and a low value. If the zone has a single Ro value, it was placed in this column.

Ro_L The lowest resistivity value on the deep-reading resistivity curve that is representative to the interval from which the water analysis and/or the log analysis was made. Generally the curve is from either a 64 inch long normal, a lateral, or a deep induction tool. This value in ohm-meters is assumed to be the resistivity of the uninvaded zone (Ro). Some intervals have a range of Ro values, necessitating both a high and a low value.

FFF_H Field Formation Factor, which is calculated from the equation:

$$FFF = \frac{Ro}{Rw}$$

If the zone has a single Ro value, the FFF value was placed in this column. If the zone has both Ro_H and Ro_L, Ro_H was used to calculate FFF_H.

FFF_L Field Formation Factor, which is calculated from the equation:

$$FFF = \frac{Ro}{Rw}$$

If the zone has both Ro_H and Ro_L, Ro_L was used to calculate FFF_L.

MATERIAL SETTING

Screen Depth/Depth of Water Sample//Depth of Log Analysis

The screen depth is taken from the material-setting data sheet. The screen depth and the depth of the water sample are assumed to be the same unless otherwise noted on the water analysis. This assumption is valid because for most wells a water sample is taken only after the borehole is cased and screened. If the water sample depth differs from the screen depth, the screen depth is listed first and a / separates it from the water sample depth. The depth of the log data is noted when it is from an interval other than the screen or water sample depth. The depth of log analysis is preceeded by //.

WATER ANALYSIS

Lab The laboratory which performed the water analysis.

ANA	ANA-Lab Corp.
Campbell	Campbell Laboratories
Core	Core Laboratories, Inc.
Curtis	Curtis Laboratories
EPWU	El Paso Water Utilities Public Service Board
Houston	Houston Laboratories
Hundley&Halff	Hundley & Halff
Jordan	Jordan Laboratories
Micro	Microbiology Service Laboratories
NTSC	North Texas State College
NTSU	North Texas State University
Orlando	Orlando Laboratories, Inc.
Pope	Pope Testing Laboratories
Southwestern	Southwestern Laboratories, Inc.
Tx Electric	Texas Electric Service Company
Tx Health	Texas Department of Health
Tx Test	Texas Testing Laboratories

USDI	US Department of the Interior
White	White Chemical International, Inc.
Wood	Edna Wood Laboratories

TDS — Total dissolved solids in either mg/l or ppm. Above 7,000 ppm, TDS concentrations of mg/l and ppm are not equivalent terms. (Refer to Chapter 3, Volume I.) TDS may include either 100 percent or 49.2 percent of the bicarbonate values. (Refer to the **Measurement Techniques** section in Chapter 3, Volume I.)

Specific Conductance — Specific conductance in μmhos/cm. Some older laboratory analyses did not have a measured conductance.

Anion Sum — The anion sum in meq/l includes only Cl, HCO_3, CO_3, and SO_4. F and NO_3 concentrations were too small to affect the anion sum and were not included in many analyses, therefore, these anions were not included in the anion sum. This calculation, when compared to the cation sum, serves as a quality-control check on the accuracy of the water analysis. (See the **Anion-Cation Balance** section in Appendix I, Volume I.) Most water analyses do not include this calculation, so it was calculated for each entry in the data base.

Cation Sum — The cation sum in meq/l includes only Ca, Mg, and Na. Mn and Fe concentrations were too small to affect the cation sum and were not included in the cation sum. This calculation, when compared to the anion sum, serves as a quality-control check on the accuracy of the water analysis. (See the **Anion-Cation Balance** section in Appendix I, Volume I.) Most water analyses do not include this calculation, so it was calculated for each entry in the data base.

Ion Concentrations: — **Ca^{++}, Mg^{++}, Na^{+}, Cl^{-}, HCO_3^{-}, $CO_3^{=}$, $SO_4^{=}$, F^{-}, NO_3^{-}, Mn^{++}, Fe, and Si**. Ion concentrations are in either mg/l or ppm. Fe is total iron. A number of the water analyses did not analyze some of the common trace ions (F, NO_3, Mn, Fe, and Si). Some water analyses did not test for all of the major ionic constituents (Ca, Mg, Na, Cl, HCO_3, CO_3, and SO_4).

Phen Alk. — Phenolphthalein alkalinity as $CaCO_3$.

Methyl Orange Alk. — Methyl orange alkalinity as $CaCO_3$.

Total Alk.	Total alkalinity as $CaCO_3$.
Total Hardness	Total hardness as $CaCO_3$.
pH	Hydrogen ion concentration which is an indicator of the neutrality (pH of 7), acidity (pH less than 7), and alkalinity (pH greater than 7).

	County	Well Name	Drilling Co.	Date Drilled	Logging Co.	Logging Suite	T.D. (feet)	Temp @ T.D. (°F)	Bit Size (inches)	Mud Type	Source of Mud Sample	Source of Rmf
1	Anderson	Alcoa Anderson #1	LT	10-73	S	IES	1734	<100	7 7/8	Gel	Pit	--
2	Anderson	Alcoa Anderson #1	LT	10-73	S	IES	1734	<100	7 7/8	Gel	Pit	--
3	Anderson	B.F. Weaver #1	LT	08-66	S	ES	1901	--	9 7/8	Nat Gel	Pit	M
4	Anderson	BCY WS #3	LW	02-86	G	IL	865	95	9 7/8	Gel	FlowL	M
5	Anderson	BCY WS #3	LW	02-86	G	IL	865	95	9 7/8	Gel	FlowL	M
6	Anderson	Brushy Creek #2	Frye	12-76	--	EL	1410	--	6 5/8	--	--	--
7	Anderson	Montalba WS #1	LT	09-63	S	IES	1193	<100	6 3/4	Gel	Circ	M
8	Anderson	Neches WS #2	L	11-72	S	IES	646	--	7 7/8	Nat Gel	Circ	M
9	Anderson	Norwood WS #2	Russell	07-86	T	EL	1106	--	7 7/8	Native	--	--
10	Anderson	Palestine #3	LT	12-54	S	ML,SG	2344	100	9 5/8	Gel Bar	--	--
11	Anderson	Palestine #3	LT	12-54	S	ML,SG	2344	100	9 5/8	Gel Bar	--	--
12	Anderson	Palestine #3	LT	01-55	S	ML,SG	2344	--	12 1/4	Gel Bar	--	--
13	Anderson	Palestine #3	LT	01-55	S	ML,SG	2344	--	12 1/4	Gel Bar	--	--
14	Anderson	Palestine #3	LT	01-55	S	ML,SG	2344	--	12 1/4	Gel Bar	--	--
15	Anderson	Palestine #3	LT	01-55	S	ML,SG	2344	--	12 1/4	Gel Bar	--	--
16	Anderson	Palestine #4	LT	03-55	S	ES,ML,SG	2365	<100	9 7/8	Clay Gel	--	--
17	Anderson	Palestine #4	LT	03-55	S	ES,ML,SG	2368	100	9 7/8	Clay Gel	--	--
18	Anderson	Palestine #4	LT	03-55	S	ES,ML,SG	2368	100	9 7/8	Clay Gel	--	--
19	Anderson	Palestine #4	LT	03-55	S	ES,ML,SG	2368	100	9 7/8	Clay Gel	--	--
20	Anderson	Palestine #4	LT	03-55	S	ES,ML	2370	100	9 7/8	Clay Gel	--	--
21	Anderson	Pleasant Springs #1	Triangle	06-66	LWS	IES	1761	100	9 7/8	Gel	Pit	C
22	Anderson	Tejas Girl Scout	LT	04-73	S	IES	985	<100	7 7/8	Natural	Pit	M
23	Anderson	Texaco Denison #1	LT	07-70	S	IES	1963	100	7 7/8	Native	Circ	M
24	Anderson	Tx Dept of Corr #2	LT	12-74	S	IES	984	80	9 7/8	Gel	Pit	C
25	Anderson	Walston SP Water #1	LT	08-64	S	IES	2237	101	7 7/8	Native	Circ	M
26	Anderson	Walston SP Water #1	LT	08-64	S	IES	2237	101	7 7/8	Native	Circ	M
27	Andrews	Texaco	LT	02-60	S	ES	1575	--	9 7/8	Gel	--	--
28	Angelina	Four-way WS	LT	07-67	LT	IES	785	100	6 3/4	Native	Pit	M
29	Angelina	Fuller Springs WS	LT	06-70	LT	EL-Widco	799	--	6 3/4	--	--	--
30	Angelina	Hudson #3	KD	01-69	S	IES	555	<100	12 1/4	Native	Pit	--
31	Angelina	Hudson WS #3	KD	07-70	S	IES	411	100	12 1/4	Native	Circ	--
32	Angelina	Huntington #7	LT	07-59	S	--	1863	--	9 7/8	Native	--	--
33	Angelina	Huntington #7	LT	07-59	S	--	1863	--	9 7/8	Native	--	--
34	Angelina	Huntington #7	LT	07-59	S	ES	1863	--	9 7/8	Native	--	--
35	Angelina	Lufkin (Central Water)	LT	01-69	LT	EL-Widco	1260	--	6 7/8	--	--	--
36	Angelina	Lufkin #9	LT	07-66	--	--	1100	--	--	--	--	--
37	Angelina	Lufkin #10	KD	06-67	S	IES	1269	<100	7 7/8	Natural	Pit	M
38	Angelina	Lufkin #11	LT	07-79	G	IES	1345	92	9 7/8	Nat Gel	FlowL	C
39	Angelina	Lufkin State #2	KD	05-63	S	ES	1276	100	9 7/8	Chem Gel	--	--
40	Angelina	M & M Water Co.	LT	06-66	S	I-SFL	1123	96	7 7/8	Water Gel	Pit	C
41	Angelina	Redland WS #1	LT	12-62	LT	EL	1143	--	6 3/4	--	--	--
42	Angelina	Zavalla #3	L	10-72	S	IES	950	<100	7 7/8	Native	Pit	M
43	Atascosa	Charlotte #2	--	04-57	S	ES	1868	100	9 7/8	Natural	Pit	--
44	Atascosa	Christine #2	McK	04-81	G	IES	2793	--	9 7/8	Native	FlowL	M
45	Atascosa	Fashing-Peggy WS #1	LT	06-68	S	IES	4359	125	9 7/8	Gel	Circ Pit	--
46	Atascosa	Linkenhoger	JRJohnson	04-65	S	ES	2495	116	20	--	Pit	--
47	Atascosa	Jourdanton	--	12-67	S	ES	2007	100	12 1/4	FM-Native	Circ Pit	--

	County	Well Name	Drilling Co.	Date Drilled	Logging Co.	Logging Suite	T.D. (feet)	Temp @ T.D. (°F)	Bit Size (inches)	Mud Type	Source of Mud Sample	Source of Rmf
48	Atascosa	LNRWSD #1	LT	04-51	S	ES	4257	122	11 3/4	Natural	--	--
49	Atascosa	LNRWSD #5	LT	04-51	S	ES	4130	120	7 7/8	Natural	--	--
50	Atascosa	San Miguel #1	LW	07-77	S	FL	3628	<100	9 7/8	Speritann	Pit	C
51	Atascosa	San Miguel #5	LW	02-79	S	FL	3780	108	12 1/4	Nat Gel	--	--
52	Atascosa	San Miguel #7	LW	11-78	S	I-SFL	3821	100	10 5/8	Nat Gel	Circ	C
53	Atascosa	San Miguel #9	LW	03-79	S	I-SFL	3753	106	12 1/4	Nat Gel	FlowL	C
54	Atascosa	Warren Williams #2	McK	03-66	--	EL	1830	107	12 1/4	Native	FlowL	C
55	Bastrop	Bastrop #5A	LW	03-78	S	ES	715	--	12 1/4	Native	--	--
56	Bell	Bell Imp. Dist. #1	JLM	04-60	S	ES,MLC	2366	109	11	Gel Oil	--	--
57	Bell	Belton #4	JLM	02-59	S	ES	1262	100	11	Nat Gel	Pit	--
58	Bell	BMF WS #2	JLM	08-75	T	EL	2827	--	11	Native	--	--
59	Bell	Temple #1	LT	08-51	S	ES	1238	100	11	Aquagel	--	--
60	Bell	Temple #3	LT	09-51	S	ES	1259	--	9 7/8	Aquagel	--	--
61	Bexar	Anderson #3	LW	04-84	DA	DIL,CAL,GR	773	<100	12 1/4	Fresh Water	Circ Pit	--
62	Bexar	Elmendorf #1	H&J	10-69	S	ES	500	--	6 3/4	Native	Pit	--
63	Bexar	Naco Station #3	LW	02-84	--	EL	--	--	--	--	--	--
64	Bexar	Randolph Well #1	KD	07-68	S	ES,BHC	376	--	12 1/4	Water	--	--
65	Bexar	San Antonio #3	LW	12-74	S	DIL,BHC	847	--	12 1/4	Fresh	--	--
66	Bexar	Wurzbach #3	KD	05-69	S	ES,BHC	814	100	12 1/4	Fresh Water	Pit	M
67	Bexar	Wurzbach #6	LW	10-84	DA	IEL,BHC,GR	830	<100	12 1/4	Water	--	--
68	Bosque	Childress Cr. #2	JLM	11-79	G	IL	1218	85	11	Gel	Pit	C
69	Bowie	Redwater WS	LT	08-63	LT	EL	262	--	6 3/4	--	--	--
70	Brazoria	Angleton #2	KD	12-58	S	ES	483	90	10 3/4	Native	Pit	M
71	Brazos	A & M #6	KD	07-60	S	IES,ML,DR	3160	130	9 7/8	Natural	--	--
72	Brazos	Bryan #4	LT	03-54	S	ES,ML	3150	104	7 5/8	Natural	--	--
73	Brazos	Bryan #12	TWI	04-64	S	IES,MLC	2947	108	9 7/78	Nat Gel	FlowL	--
74	Brazos	Bryan #14	LT	03-68	S	ES,ML	2872	110	9 7/8	CMC Gel	FlowL	M
75	Brazos	Bryan #16	SLT	02-76	S	I-SFL,ML	2867	100	9 7/8	Nat Gel CMC	Pit	M
76	Brazos	College Stat. #1	LW	07-79	G	IEL,MEL	3023	111	12 1/4	Nat Gel	FlowL	C
77	Brazos	College Stat. #1	LW	07-79	G	--	--	--	--	--	--	--
78	Brazos	College Stat. #2	LW	09-79	G	IEL,MEL	2977	108	9 7/8	Native	FlowL	M
79	Brazos	College Stat. #3	LW	02-82	G	MEL	2944	102	12 1/4	Native	Pit	M
80	Brazos	Corp of Engin. #7	LT	01-55	S	ES,ML	3059	128	7 7/8	Natural	--	--
81	Brazos	Simsboro #4	Alsay	07-87	S	DIL,ML	2975	107	9 7/8	Fresh Gel	Circ Pit	--
82	Brazos	Whalen-Col. Stat #1	SLT	07-75	S	I-SFL	3841	118	9 7/8	Water Base	--	--
83	Brazos	Whalen-Col. Stat #1	SLT	07-75	S	I-SFL	3841	--	--	--	--	--
84	Brazos	Whalen-Col. Stat #1	SLT	07-75	S	I-SFL	3841	--	--	--	--	--
85	Brazos	Wixon WS #1	L	10-72	S	IES	3160	108	9 7/8	Native	Pit	C
86	Burleson	Caldwell #3	KD	01-64	S	ES	1346	83	8 1/2	Gel	--	--
87	Burleson	Caldwell #3	KD	01-64	S	ES	1346	--	--	--	--	--
88	Burleson	Caldwell #3	KD	01-64	S	ES	1346	--	--	--	--	--
89	Burleson	Lyons WS #1	LT	09-63	--	EL	1609	--	6 3/4	--	--	--
90	Burleson	Milano WS #3	JLM	06-87	T	EL	1706	--	12 1/4	Gel	Pit	--
91	Burleson	Newman #1	Newman	06-86	S	ES,ST	3833	103	8 3/4	Natural	--	--
92	Caldwell	Lockhart #4	LW	11-82	T	EL	350	--	12 1/4	Native	--	--
93	Caldwell	Luling #3	LT	08-48	S	ES	307	--	9 7/8	Native		--
94	Calhoun	Lester #1 (Sheriff)	McKenzie	01-87	W	DIL,FDC,CN	9105	192	8 3/4	CLS-Lignite	Pit	M

	County	Well Name	Drilling Co.	Date Drilled	Logging Co.	Logging Suite	T.D. (feet)	Temp @ T.D. (°F)	Bit Size (inches)	Mud Type	Source of Mud Sample	Source of Rmf
95	Cass	Bloomburg #3	LT	08-64	S	ES	832	--	6 3/4	Native	Circ	--
96	Cass	Marietta WS #1	Edington	09-65	S	ES	696	100	8 3/4	Native	Pit	--
97	Cherokee	Alto #3	LW	11-79	G	--	600	--	9 7/8	Native	--	--
98	Cherokee	Alto Rural WS	A&F	12-74	S	IES	502	<100	6	Native	FlowL	--
99	Cherokee	Black Jack WS #2	L	03-86	T	EL	935	--	7 7/8	Native	--	--
100	Cherokee	Dialville WS #1	LT	01-65	S	IES	751	100	6 3/4	Gel	Pit	M
101	Cherokee	Dialville-Oakland WS	LT	01-65	S	IES	751	<100	6 3/4	Gel Driscose	--	--
102	Cherokee	Jacksonville #1	LT	12-50	S	ES	1078	100	5 1/2	Native	--	--
103	Cherokee	Jacksonville #1	LT	11-48	S	--	1565	--	7 7/8	Aqua Bar	--	--
104	Cherokee	Jacksonville #1	LT	11-48	S	--	1565	--	7 7/8	Aqua Bar	--	--
105	Cherokee	Jacksonville TW #1	LT	12-50	S	ES	850	100	4 1/4	Native	--	--
106	Cherokee	Jacksonville #2	LT	08-54	S	ES	788	100	11 7/8	Que Gel	--	--
107	Cherokee	Jacksonville #3	LT	01-51	S	ES	1150	100	5 1/2	Natural	--	--
108	Cherokee	Jacksonville #4	LT	03-51	S	ES	773	--	5 1/2	Native	--	--
109	Cherokee	Jacksonville #4	L	02-72	S	IES	710	--	7 7/8	Native	Pit	M
110	Cherokee	Mt. Haven Mine #2	Sheffield	09-48	S	ES	697	--	9 7/8	Native	--	--
111	Cherokee	New Summerfield #2	LT	03-68	S	ES	1124	100	6 3/4	Gel	Pit	--
112	Cherokee	New Summerfield #2	LT	03-68	S	ES	1124	100	6 3/4	Gel	Pit	--
113	Cherokee	Recklaw WS #1	Wes-Tex	04-65	S	IES	613	--	12 1/4	Native	--	--
114	Cherokee	Rusk #3	LT	08-61	S	ES	591	--	6 3/4	Native	--	--
115	Cherokee	Rusk #3	LT	08-61	S	ES	591	<100	6 3/4	Native	--	--
116	Clarke	Transco. Gas Pipeline	LT	04-57	S	ES	372	--	4 3/4	Native	--	--
117	Collin	Anna #2	JLM	03-76	T	EL	1559	--	11	Native	--	--
118	Collin	Blue Ridge #2	JLM	02-75	T	EL	1901	--	11	Native	--	--
119	Collin	Camden Dev. #1	JLM	05-87	G	MEL,FEDS	2700	106	9 7/8	Fresh	Pit	C
120	Collin	Celine #1	JLM	07-67	T	GR	2415	--	8 5/8	Water	--	--
121	Collin	Clouis Box Ranch #2	JLM	07-85	T	EL	1044	--	9 7/8	Native	--	--
122	Collin	Disposal #1	LT	10-54	S	ES,ML	2233	105	7 7/8	Gel	--	--
123	Collin	Eugene McDermott #1	JLM	03-60	S	ES	2004	--	8 3/4	Native	Circ	C
124	Collin	Gunter #3	JLM	08-83	G	IEL,MEL	2215	102	14 3/4	Chem Gel	Pit	C
125	Collin	Tx P&L #1	LT	10-54	S	ML	2228	105	7 7/8	Gel	--	--
126	Collin	Tx P&L #2	LT	01-54	S	ES,ML	2653	101	9 7/8	Native	Circ	--
127	Collin	Tx P&L Disposal	LW	06-82	G	IES,CBL	2505	--	13 3/8	Water	--	--
128	Collin	Meat Producers	LT	11-60	S	IES,ML	1753	90	11	FGM	Pit	M
129	Comal	Marion #3	KD	08-68	S	ES,BHC	790	--	--	Water	Pit	--
130	Concho	Eden #3	JLM	12-86	G	DIL,CDL	4061	115	4 3/4	Chem Gel	Circ	M
131	Cooke	Gainesville #9	LT	06-71	S	IES,ML	932	90	9 7/8	FGM	Pit	M
132	Cooke	Gainesville #10-A	JLM	05-80	G	IL,MEL	1165	89	11	Chem Gel	Circ	M
133	Coryell	Gatesville #5	LT	02-86	S	ES,MLC	918	<100	9 7/8	Native	Pit	M
134	Coryell	Gatesville Boys School	LT	10-69	S	ES,ML	774	120	9 7/8	Nat Gel	--	--
135	Dallas	Addison #1	JLM	10-57	S	ES,ML	2777	90	8 3/4	Gel	Pit	--
136	Dallas	Byer, E.R. #1	LT	06-55	S	ES	1154	84	6 1/4	Natural	Pit	--
137	Dallas	Carpenter Ranch #1	JLM	05-63	S	CL	1201	--	--	Native	--	--
138	Dallas	Carrollton	LT	04-74	S	ES	2475	105	9 7/8	Gel	--	--
139	Dallas	Carrollton #1	SLT	04-74	S	IES,ML	2520	<100	9 7/8	Natural	Pit	--
140	Dallas	Cedar Hill #4	JLM	04-65	S	ES,MLC	2507	100	9 7/8	Chem Gel	Pit	M
141	Dallas	Chaney & Hope	LT	06-72	S	--	28	--	9 7/8	Gel	--	--

	County	Well Name	Drilling Co.	Date Drilled	Logging Co.	Logging Suite	T.D. (feet)	Temp @ T.D. (°F)	Bit Size (inches)	Mud Type	Source of Mud Sample	Source of Rmf
142	Dallas	D.A.C. #1	LT	03-53	S	ES,ML	2367	--	8 3/4	Gel Nat	--	--
143	Dallas	Dallas #6	JLM	01-57	S	ES,ML	2321	95	8 3/4	Gel	Pit	--
144	Dallas	Dallas #43	LT	04-53	S	ES,ML	3207	111	9 7/8	Aquagel	--	--
145	Dallas	Dallas Power & Lt	LT	12-48	H	EL	3199	118	7 7/8	Water Base	--	--
146	Dallas	DFW Freeport	JLM	08-79	G	EL,MEL	1093	92	11	Native	Pit	C
147	Dallas	Duncanville #4	JLM	02-60	S	ES,ML,DR	2622	90	11	Gel Oil	Pit	--
148	Dallas	Exchange Park #1	JLM	12-55	S	ES,ML	1528	82	9 7/8	Native	Circ	--
149	Dallas	Fed Correction #3	LT	03-59	S	ES,MLC	1854	122	9 7/8	Gel	Circ	--
150	Dallas	Garland #1 Duck Cr	JLM	08-75	S	IL	2843	115	12 1/4	Water Gel	Circ	--
151	Dallas	Gen Portland #5	LT	10-65	S	ES	1557	<100	9 7/8	Gel	Pit	M
152	Dallas	Grand Prairie #1	LW	01-85	G	DIL,ML	2041	90	12 1/4	Chem Gel	Circ	--
153	Dallas	Grand Prairie #21	JLM	02-66	S	IES,DR,MLC	2029	100	10 5/8	Native	Pit	C
154	Dallas	Grand Prairie #22	JLM	04-66	S	IES,ML	2035	100	11	Native	Pit	M
155	Dallas	Green Hill School #1	JLM	09-59	S	ES	1656	89	8 3/4	Native	Pit	--
156	Dallas	Hormel #2	LT	10-48	S	ES	821	--	11 1/4	Nat Aquagel	--	--
157	Dallas	Humble Pipeline-Irv.	LT	11-48	S	ES	1252	--	4 1/2	Natural	--	--
158	Dallas	Humble Pipeline-Irv.	LT	11-48	S	ES	1252	--	4 1/2	Natural	--	--
159	Dallas	Hutchins #3	JLM	09-63	S	ES,MLC	1353	85	11	Native	Pit	M
160	Dallas	Irving #5	LT	03-54	S	ES,ML	2309	98	8 3/4	Gel	Pit	--
161	Dallas	Irving #6	LT	02-54	S	ES,ML	2138	95	8 3/4	Gel	Pit	--
162	Dallas	Lancaster	LT	05-73	S	IES,ML	3091	98	9 7/8	Gel	Pit	M
163	Dallas	Lancaster #3	LT	11-52	S	ES,ML	3230	100	8 3/4	Natural	--	--
164	Dallas	Murchison #1	LT	09-55	S	ES	1845	95	9 7/8	Nat Gel	Pit	--
165	Dallas	Pleasant Grove #16	LT	10-55	S	ES	1584	--	9 7/8	Water Gel	Pit	--
166	Dallas	Pleasant Grove #16	LT	10-55	S	ES	1600	75	9 7/8	Gel	Pit	--
167	Dallas	Pleasant Grove #16	LT	10-55	S	ES	1600	75	9 7/8	Water Gel	Pit	--
168	Dallas	Trinity Portland #4	LT	04-57	S	ES,ML	2596	90	9 7/8	Chem	Circ	--
169	Dallas	Trinity Well #2	LT	02-55	S	ES,ML	2774	100	7 7/8	Water	Pit	--
170	Dallas	Trinity Well #2	LT	02-55	S	ES,ML	2774	100	7 7/8	Water	Pit	--
171	Dallas	Whalen Co-Irving	LT	03-73	S	IES	2140	87	9 7/8	Gel	Circ	--
172	Dallas	Whalen Co-Irving #1	LT	09-71	S	IES,FDL	2170	90	9 7/8	FGM	Pit	C
173	Dallas	Whalen Co-Irving #2	LT	01-72	S	IES	2116	97	9 5/8	FGM	Pit	M
174	Dallas	Whalen Co-Irving #3	LT	07-72	S	IES	2225	94	7 7/8	FGM	Pit	C
175	Dallas	Wilmer #1	LT	07-49	S	ES	2262	110	7 7/8	Native	--	--
176	Delta	Ben Franklin WS #1	JLM	05-64	T	EL	3333	--	9	Nat Gel	Circ	--
177	Delta	Commerce #1	LT	04-65	LT	EL	604	<100	6 3/4	Gel	--	--
178	Delta	Commerce #1	LT	04-65	S	ES	604	<100	6 3/4	Gel	Circ	--
179	Delta	Commerce #1	LT	04-65	S	ES	604	<100	6 3/4	Gel	Circ	--
180	Delta	Commerce #2	LT	04-65	S	ES	708	--	6 3/4	Gel	--	--
181	Delta	Commerce #2	LT	04-65	S	ES	708	<100	6 3/4	Gel	--	--
182	Delta	Commerce #2	LT	04-65	S	ES	708	<100	6 3/4	Gel	--	--
183	Delta	Commerce #4	LT	07-70	S	IES	580	<100	6 3/4	Native	--	--
184	Delta	Cooper	LT	10-56	--	--	271	--	9 7/8	Natural	--	--
185	Denton	Argyle WS #2	JLM	06-67	T	EL	1133	--	9	Native	--	--
186	Denton	Argyle WS #4	JLM	07-76	T	EL	1121	--	11	Native	--	--
187	Denton	Argyle WS #5	JLM	08-81	T	EL	1138	--	12 1/2	Native	--	--
188	Denton	Aubrey #1	JLM	04-67	S	ES,MLC	1549	96	9 7/8	Native	Circ	M

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189	Denton	Aubrey #3	JLM	06-79	T	EL	1530	--	12	Native	--	--
190	Denton	Aubrey #3	JLM	11-59	S	EL	918	65	8 3/4	Gel	Pit	--
191	Denton	Bartonville WS #1	JLM	10-64	T	EL	883	--	8 3/4	Native	--	--
192	Denton	Bartonville Jernigan	JLM	03-85	G	DIL	1658	--	14 3/4	Chem Gel	Circ	M
193	Denton	Bartonville Shiloh	JLM	09-79	T	EL	1365	--	9	Native	--	--
194	Denton	Bartonville WS	JLM	06-79	T	EL	1598	--	9	--	--	--
195	Denton	Bartonville Chin Chapel	JLM	10-81	T	EL	1030	--	12	Nat Gel	--	--
196	Denton	Bolivar WS #7	JLM	04-83	G	IEL	887	85	12 1/4	Native	--	--
197	Denton	Colony MUD #1	SLT	03-74	S	IES,ML	2250	98	9 7/8	FGM	--	--
198	Denton	Colony MUD #1 Trinity	SLT	03-74	S	IES,ML	2415	99	9 7/8	FGM	Pit	M
199	Denton	Denton #2	LT	03-53	S	ES,ML	1200	90	9 7/8	Native	--	--
200	Denton	Hebron WS	JLM	09-64	T	EL	858	--	9	Native	--	--
201	Denton	HWY 75 & Greenlee	LT	12-52	S	ES,ML	1207	--	9 7/8	Gel	--	--
202	Denton	Johnson & Loggins	SLT	05-74	S	IES,ML,CDR	1424	94	9 7/8	FGM	Pit	C
203	Denton	Justin #2	JLM	08-63	R	EL	1005	--	9	Gel	--	--
204	Denton	Justin #3	JLM	10-71	S	IES	1045	88	12 1/4	Water	Pit	M
205	Denton	Lewisville #4	JLM	12-61	S	ES	1900	--	11	Gel	Pit	--
206	Denton	Lewisville #4	JLM	12-61	S	ES	1900	95	11	Gel	--	--
207	Denton	Lewisville #5	JLM	10-65	S	ES,DR	1912	95	9 7/8	Gel	Pit	C
208	Denton	Lewisville #8	LT	02-72	T	EL	950	--	9 7/8	Native	--	--
209	Denton	Trinity	LT	11-74	S	ES	2405	--	9 7/8	Gel	--	--
210	Denton	Waters Ridge #1	LW	01-85	G	DIL	2183	90	12 1/4	--	Circ	C
211	Dewitt	Cuero #10	JLM	04-84	G	DIL,MEL	1422	92	14 3/4	Nat	Circ	C
212	Dimmit	Big Wells #4	McK	12-83	S	DIL,SFL	1508	--	12 1/4	Nat	--	--
213	Dimmit	Carrizo Springs #1	McK	12-84	S	DIL,SFL	852	--	13 1/2	Native	Circ Pit	C
214	Dimmit	C.S. Ivy #1	McK	03-79	S	DIL	844	--	12 1/2	Gel Water	Pit	M
215	Dimmit	C.S. Ivy #2	McK	10-79	S	DIL,SFL	812	--	9 7/8	Gel Water	Pit	M
216	Dimmit	Piloncillo #46	McK	09-79	S	DIL,SFL	2266	--	12 1/4	Fresh Gel	Circ	--
217	Dimmit	Piloncillo #47	McK	07-83	S	DIL,SFL	2163	102	12 1/4	Gel	Pit	C
218	Duval	Columbia Southern #14	LT	11-55	S	EL	1264	<100	9 7/8	Native	--	--
219	Duval	Duval Co. Conser.	LW-KD	04-77	T	EL	652	--	7 7/8	Native	--	--
220	Duval	Duval Co. Conser.	LW-KD	02-77	S	--	--	--	--	--	--	--
221	Edgewood	Pan American Petroleum	LT	03-70	S	ES	570	--	7 7/8	Gel	--	--
222	El Paso	Fort Bliss #15	LT	11-59	S	ES	815	--	7 7/8	Gel Water	--	--
223	El Paso	Foster-Schwartz Dev.	SLT	10-73	--	--	1085	--	--	Gel	--	--
224	El Paso	Phelps Dodge Cor #5	LT	06-56	S	ES,ML	655	82	7 7/8	Aquagel	--	--
225	El Paso	Phelps Dodge Ref #4	LT	05-56	S	ES	652	--	7 7/8	Boroco	--	--
226	El Paso	Prices EP Dairy #1	LT	04-55	S	ES,ML	1015	--	7 7/8	Native	--	--
227	El Paso	Prices EP Dairy #1	LT	04-55	S	ES,ML	1015	--	7 7/8	Native	--	--
228	El Paso	Prices EP Dairy #1	LT	04-55	S	ES,ML	1015	--	7 7/8	Native	--	--
229	El Paso	Prices EP Dairy #2	LT	06-55	S	ES,ML	873	80	7 7/8	Water	--	--
230	El Paso	Prices EP Dairy #4	LT	03-56	S	ES,ML	560	72	7-7/8	Native	--	--
231	El Paso	Riggs Field	LT	07-61	S	ES	776	--	9 7/8	Gel	--	--
232	El Paso	Standard of TX #6	LT	03-52	S	ES,ML	680	--	7 7/8	Native	--	--
233	El Paso	Texaco #5	LT	11-67	S	DIL,ML	765	70	7 7/8	Fresh	Circ	--
234	El Paso	Texaco #5	LT	11-67	S	DIL,ML	765	70	7 7/8	Fresh	Circ	--
235	El Paso	Texaco #5	LT	11-67	S	DIL,ML	765	70	7-7/8	Fresh	Circ	--

	County	Well Name	Drilling Co.	Date Drilled	Logging Co.	Logging Suite	T.D. (feet)	Temp @ T.D. (°F)	Bit Size (inches)	Mud Type	Source of Mud Sample	Source of Rmf
236	El Paso	El Paso WCID #8	LT	09-54	S	ES	739	--	16	Aquagel	--	--
237	El Paso	El Paso WCID #8	LT	09-54	S	ES	739	--	16	Aquagel	--	--
238	El Paso	El Paso WCID #8	LT	09-54	S	ES	739	--	16	Aquagel	--	--
239	El Paso	El Paso WCID #9	LT	07-55	S	ES	1511	85	7 7/8	Aquagel	--	--
240	El Paso	El Paso WCID #9	LT	07-55	S	ES	1511	85	7 7/8	Aquagel	--	--
241	El Paso	El Paso WCID #9B	LT	07-55	S	ES	1511	85	7 7/8	Aquagel	--	--
242	El Paso	El Paso WCID #9B	LT	07-55	S	ES	1511	85	7 7/8	Aquagel	--	--
243	Ellis	Avalon WS #2	JLM	01-76	T	EL	3203	--	9	Native	--	--
244	Ellis	Boyce #1	JLM	08-64	S	CL	1320	--	8 3/4	Native	--	--
245	Ellis	Boyce #2	JLM	10-75	T	EL	1370	--	9	Native	--	--
246	Ellis	Boyce #3	JLM	07-85	T	EL	1448	--	12 1/4	Native	--	--
247	Ellis	Bristol #1	JLM	02-60	S	ES,MLC	1983	90	11	Native	--	M
248	Ellis	Gifford Hill #2	JLM	08-65	S	IES,ML	2300	100	9 5/8	Gel	Pit	M
249	Ellis	Italy #3	LT	04-57	S	ES	931	100	9 7/8	Native	Pit	--
250	Ellis	Midlothian #3	KD	09-68	S	IES,ML	2365	98	12 1/4	FGM	Pit	C
251	Ellis	Midlothian #3	JLM	05-57	S	ES,DR,MLC	2412	92	11	Gel	Pit	--
252	Ellis	Milford #2	JLM	05-64	S	ES,MLC	897	80	8 3/4	Native	Pit	M
253	Ellis	Nash Forrester WS	JLM	07-64	S	IES	2852	122	9	Gel Oil	Pit	M
254	Ellis	Tic Tac Toe Ranch	LT	06-53	--	--	--	--	--	--	--	--
255	Erath	Alexander Rd #4/Steph	LT	06-69	S	IES,ML	442	82	9 7/8	FGM	Pit	M
256	Erath	Alexander Rd #6/Steph	LT	07-69	S	IES,ML	426	80	9 7/8	FNM	Pit	C
257	Erath	Dublin #2	LT	12-48	S	ES	500	110	5 1/2	Native	--	--
258	Erath	Lincoln #1	LW	09-84	G	DIL	554	76	7 7/8	Fresh Mud	Pit	--
259	Erath	Stephenville #1	LW	12-76	--	--	470	--	--	--	--	--
260	Erath	Stephenville #5	LT	08-69	S	IES,ML	402	90	9 7/8	Nat Mud	Circ	M
261	Erath	Stephenville-Lindley	LW	10-84	G	DIL	558	92	7 7/8	Chem Gel	Pit	C
262	Fannin	Arledge Ridge WS #1	JLM	01-66	T	EL	1693	--	9	Native	--	--
263	Fannin	Arledge Ridge WS #2	JLM	01-83	T	EL	1660	--	9 7/8	Native	--	--
264	Fannin	Dial #1	JLM	05-65	S	IES	3063	104	9	Gel	Pit	M
265	Fannin	Ladonia	LT	02-63	--	EL,MLC	3368	105	7 7/8	Gel	--	--
266	Fannin	Tx Power & Lt #2	LT	06-65	S	IES,MLC	414	--	6 3/4	Native	Circ	M
267	Franklin	S Franklin WS #1	JLM	07-87	T	EL	667	--	8 3/4	Native	Pit	--
268	Franklin	Winnsboro #2	LT	06-51	S	ES	470	--	5 1/2	Aquagel	--	--
269	Franklin	Winnsboro #5	LT	04-63	S	ES	255	<100	6 3/4	Gel	--	--
270	Franklin	Winnsboro #5	LT	03-63	S	ES	197	--	6 3/4	Gel	--	--
271	Freestone	F. Underg. Stor #5	LT	10-56	S	ES	462	<100	6 1/4	Que Gel	--	--
272	Freestone	F. Underg. Stor #5	LT	10-56	S	ES	462	100	6 1/4	Gel	--	--
273	Freestone	F. Underg. Stor #5	LT	10-56	S	ES	462	100	6 1/4	Gel	--	--
274	Freestone	Fairfield #2	LT	10-48	S	ES	605	--	9 7/8	Native	--	--
275	Freestone	Fairfield #2	LT	10-48	S	ES	607	--	9 7/8	Native	--	--
276	Freestone	Fairfield #3	LT	08-63	S	ES	744	<100	6 3/4	Native	--	--
277	Freestone	Ind. Generator Co. #1	LT	02-70	S	ES	589	--	6 3/4	Native	--	--
278	Freestone	Ind. Generator Co. #1	LT	02-70	S	ES	589	--	6 3/4	Native	Pit	--
279	Freestone	Ind. Generator Co. #1	LT	02-70	S	ES	587	--	6 3/4	Native	Pit	--
280	Freestone	Ind. Generator Co. #3	Tx WW	10-68	S	ES	611	100	9 7/8	Native	Pit	M
281	Freestone	Ind. Generator Co. #3	LT	05-71	S	IES	605	<100	6 3/4	Native	Pit	--
282	Freestone	Teague #1	LT	02-65	S	ES	900	<100	6 3/4	Gel	Pit	--

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283	Freestone	Teague #1	LT	02-65	S	ES	900	<100	6 3/4	Gel	Pit	--
284	Freestone	Teague #1	LT	02-65	S	ES	896	100	6 3/4	Gel	Pit	M
285	Freestone	Teague #2	L	05-79	S	I-SFL	742	--	7 7/8	Gel Water	Pit	M
286	Freestone	Ward Prairie WS #1	A&F	11-67	S	IES	710	100	8 3/4	Native	Pit	C
287	Freestone	Ward Prairie WS #1	A&F	11-67	S	IES	710	100	8 3/4	Native	Pit	C
288	Freestone	Ward Prairie WS #1	A&F	11-67	S	IES	710	100	8 3/4	Native	Pit	--
289	Frio	Dilley #4	McK	12-78	S	IES	2135	<100	14 3/4	Fresh	FlowL	M
290	Frio	Pearsall #4	McK	02-50	S	ES	1350	103	12 3/4	--	--	--
291	Frio	Pearsall #7	McK	10-77	S	IES	1600	<100	13 1/2	Native	Pit	M
292	Ft. Bend	Ft. Bend Co WCID #2	LT	10-56	S	ES	1805	98	9 7/8	Native	Pit	--
293	Ft. Bend	Rosenberg #5	KD	06-57	S	ES,ML	2011	100	10 5/8	Native	--	--
294	Galveston	L.A. Adoue #2	LT	04-49	LWS	GR	800	--	--	--	--	--
295	Galveston	Gal-Houston Breweries	LT	04-47	S	ES	1331	--	9 7/8	Native	--	--
296	Galveston	General Analine #3	LT	12-67	S	IES	4145	--	12 1/4	Native	Pit	--
297	Goliad	Tx Eastern Trans.	LT	10-55	LT	EL	631	--	6 3/4	--	--	--
298	Gonzales	Bundick #1	Mobil	06-64	S	IES,BHC,FDC	4003	128	15	Low Phos.	--	--
299	Gonzales	Gonzales #1	--	09-45	--	--	--	--	--	--	--	--
300	Gonzales	Nixon #3	Vickers	09-68	S	ES	1645	--	9 5/8	Fresh	--	--
301	Gonzales	Patterson Estate 1	Howell	08-57	S	--	2150	--	--	Native	--	--
302	Gonzales	Smiley	McK	11-53	S	ES	2524	<100	11 3/4	Oilfos	--	--
303	Gonzales	Wrightsborn	Rich	10-50	S	ES,ML	5520	104	--	--	--	--
304	Gray	Gulf Interstate	LT	05-60	S	ES	556	84	6 3/4	Gel	--	--
305	Gray	Gulf Interstate	LT	05-60	S	ES	556	84	6 3/4	Gel	--	--
306	Gray	Lefors Station TH #2	LT	09-60	S	ES	524	--	6 1/4	Native	--	--
307	Gray	Lefors Station TH #2	LT	09-60	S	ES	524	--	6 1/4	Native	--	--
308	Grayson	Bells #2	LT	11-59	S	ES	1600	81	9 7/8	Gel	--	--
309	Grayson	Bells #2	LT	11-59	S	ES	1600	81	9 7/8	Gel	--	--
310	Grayson	Bells Trinity #1	JLM	08-79	T	EL	2150	--	6 3/4	Native	--	--
311	Grayson	Howe #3	JLM	03-66	S	ES,MLC	1190	90	11	Native	--	M
312	Grayson	Johnson & Johnson #1	LT	04-62	S	ES,ML	1142	73	7 7/8	Natural	Circ	--
313	Grayson	N Park Woodbine #1	LT	06-66	S	ES	1012	88	7 7/8	Gel	Circ	M
314	Grayson	N Park Woodbine #1	LT	06-66	S	ES,ML	1011	88	7 7/8	Gel	Circ	M
315	Grayson	Roscoe Russel Station	LT	03-59	S	ES,SG	2380	--	15	Native	--	--
316	Grayson	Shepherd Woodbine	LT	06-71	S	DIL	1133	85	6 1/4	FGM	Circ	--
317	Grayson	Shepherd Woodbine #1	LT	03-72	S	IES,FDC,ML	1090	85	9 5/8	FGM	Pit	M
318	Grayson	Sherman E Trinity #1	LT	11-66	S	--	--	--	--	--	--	--
319	Grayson	Sherman E Trinity #1	LT	11-66	S	ES,MLC	2231	100	9 7/8	Gel Chem	Circ	M
320	Grayson	Sherman E Trinity #1	LT	11-66	S	ES,ML	2231	100	9 7/8	Gel Chem	Circ	M
321	Grayson	Sherman E Trinity #2	LT	11-66	S	--	2231	--	--	--	--	--
322	Grayson	Sherman Shepherd #1	LT	05-71	S	--	--	--	--	--	--	--
323	Grayson	Sherman Shepherd #1	LT	05-71	S	IES,ML	2500	100	7 7/8	FGM	Circ	M
324	Grayson	Sherman Trinity #1	LT	10-58	S	ES,ML	2452	--	9 7/8	Gel	Pit	--
325	Grayson	Sherman Woodbine #1	LT	05-53	S	ES,SG	736	--	12 1/4	Natural	--	--
326	Grayson	Standard Oil TX	LT	08-62	S	ES	496	92	6 3/4	Gel	--	--
327	Grayson	Trinity #1	LT	04-53	--	--	--	--	--	--	--	--
328	Grayson	Tuck Station #2	LT	03-70	S	ES,ML	1050	--	7 7/8	FGM	Circ	M
329	Grayson	Tuck Station #2	LT	04-70	S	--	--	--	--	--	--	--

	County	Well Name	Drilling Co.	Date Drilled	Logging Co.	Logging Suite	T.D. (feet)	Temp @ T.D. (°F)	Bit Size (inches)	Mud Type	Source of Mud Sample	Source of Rmf
330	Grayson	Van Alstyne #3	LT	05-70	S	IES,ML,FT	2300	98	7 7/8	Mil Gel	--	--
331	Grayson	Van Alstyne #3	LT	05-70	S	IES,ML,FT	2300	98	9 5/8	Nat Mud	--	--
332	Grayson	Whitesboro	LW	04-81	G	IEL	1540	95	12 1/4	Chem Gel	FlowL	C
333	Gregg	E. TX Gas Plant	Ark. FOC	09-56	S	ES	794	<100	6 1/4	Native	--	--
334	Gregg	E. Tx Gas Plant	Ark. FOC	09-56	S	ES	794	<100	6 1/4	Native	--	--
335	Gregg	Kilgore #6	LT	03-47	S	ES	827	75	9 7/8	Water	--	--
336	Gregg	Liberty City #1	L	04-71	S	IES	616	--	7 7/8	Gel	Circ	C
337	Gregg	Sabine Gas Plant #5	LT	07-51	S	ES	898	--	6 3/4	Native	--	--
338	Gregg	Sinclair Plant #2	LT	04-61	S	ES	545	<100	7 7/8	--	--	--
339	Gregg	Tryon Rd WS #1	LT	02-65	S	ES	865	<100	6 3/4	Native	Circ	--
340	Gregg	Tryon Rd WS #1	LT	02-65	S	ES	865	<100	6 3/4	Native	Circ	--
341	Gregg	Tryon Rd WS #1	LT	02-65	S	ES	865	<100	6 3/4	Native	Circ	--
342	Gregg	Tryon Rd WS #2	LT	02-69	S	ES	627	<100	6 3/4	Native	Circ	--
343	Gregg	Tryon Rd WS #2	LT	02-69	S	ES	627	<100	6 3/4	Native	Circ	--
344	Gregg	Tryon Rd WS #2	LT	02-69	S	ES	627	<100	6 3/4	Native	Circ	--
345	Gregg	Tryon Rd WS #3	LT	06-69	S	ES	628	<100	6 3/4	Native	Circ	M
346	Grimes	Carlos #1	L	01-72	S	IES	400	--	7 7/8	Native	Pit	--
347	Grimes	Grimes CO #1	LW-KD	05-74	S	FL,MLC	600	--	6	Natural	Pit	--
348	Guadalupe	P.M. Delaney #1	LT	03-55	S	ES	2247	106	7 7/8	Native	--	--
349	Hardin	Boyce Thompson Inst.	LT	10-63	--	EL	740	--	5 1/2	--	--	--
350	Hardin	Lumberton #2	L	07-77	S	IES,SFL	808	--	8 5/8	Native	Pit	M
354	Harris	Cedar Bayou	LT	06-52	--	EL	540	--	11 7/8	Baroco	--	--
352	Harris	Clay Road Cypres #1	L	06-79	S	I-SFL	1079	100	7 7/8	Quick Gel	Pit	C
353	Harris	Green's Bayou #2	LT	06-37	S	ES	1600	--	9 7/8	Native	--	--
354	Harris	Green's Bayou #2	LT	06-37	S	ES	1600	--	9 7/8	Native	--	--
355	Harris	Humble Oil & Reg. #48	LT	03-49	S	ES	1616	--	6 1/2	Aquagel	--	--
356	Harris	Hunterwood MUD #1	L	01-79	S	I-SFL	1250	100	7 7/8	Gel Water	Circ Pit	M
357	Harris	Inverness Forest #2	L	06-72	S	I-SFL	1176	100	7 7/8	Native	Pit	C
358	Harris	M.W. Kellogg #1	LT	02-56	S	ES	1524	80	6 1/4	Native	Pit	--
359	Harris	Harris Co. MUD #14	L	03-81	S	DIL	1310	100	7 5/8	Gel Water	FlowL	M
360	Harris	Harris Co. MUD #19	L	02-82	S	I-SFL	1003	70	7 7/8	Gel Water	--	C
361	Harris	Harris Co. MUD #53	L	01-80	S	I-SFL	1425	100	7 7/8	Gel Water	Pit	M
362	Harris	Harris Co. MUD #69	L	07-82	S	DIL	1305	92	7 7/8	Gel Water	Pit	M
363	Harris	Harris Co. MUD #179-1	L	06-81	S	IES	1304	90	8	Gel Water	Circ	C
364	Harris	Harris Co. MUD #211-1	L	10-82	S	I-SFL	1522	92	7 7/8	Gel Water	Circ	C
365	Harris	Shell Chemical Co.	LT	10-73	S	I-SFL	1500	100	9 7/8	Fresh Gel	Pit	--
366	Harris	Shell Chemical #5	LT	12-53	S	ES	2802	91	9 7/8	Native	--	--
367	Harris	Shell Chemical #5	LT	12-53	S	ES	2802	91	9 7/8	Native	--	--
368	Harris	TX Brine Corp #7A	LW	12-80	G	IEL	460	70	12 1/4	FGM	Pit	M
369	Harris	TX Brine Corp #7A	LW	12-80	G	IEL	460	70	12 1/4	FGM	Pit	M
370	Harris	Cypress ISD #2	L	05-81	W	IL	645	--	7 7/8	Native	Pit	M
371	Harris	United Carbon Co #1	LT	01-61	S	ES	1649	--	--	Native	--	--
372	Harris	United Carbon Co #1	LT	01-61	S	ES	1649	--	--	Native	--	--
373	Harrison	Tx-Ill. Nat. Gas #1	LT	08-50	S	ES	472	<100	--	--	--	--
374	Harrison	GVM Springs WS	LT	09-66	S	ES	695	100	6 3/4	Native	Circ	--
375	Harrison	GVM Springs WS	LT	09-66	S	ES	695	100	6 3/4	Native	Circ	--
376	Henderson	Athens #6	LT	03-54	S	ES	843	<100	6 3/4	Native	--	--

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377	Henderson	Athens #6	LT	03-54	S	ES	843	<100	6 3/4	Native	--	--
378	Henderson	Bethel WS #1	Bethel WS	09-68	DA	IEL	586	80	6 1/4	Native	Circ	C
379	Henderson	BSA Athens Camp #2	West&Rehkop	06-67	S	ES	1102	--	7 7/8	Native	Pit	M
380	Henderson	Gas Plant #4	LT	10-55	S	ES	792	<100	7 7/8	Nat Gel	--	--
381	Henderson	Henderson Co #1	LT	06-63	S	ES	980	--	9 7/8	Gel	--	--
382	Henderson	Hunt #1	Tx WW	02-66	S	ES	1247	100	9 7/8	Gel	Circ	--
383	Henderson	Hunt (Fairway) #4	Tx WW	03-70	S	ES	1300	100	9 7/8	Native	Pit	M
384	Henderson	Koon Kreek K. #1	Holly	10-64	S	IES	1344	100	7 7/8	Native	Pit	C
385	Henderson	Malakoff #1	LW-KD	10-75	T	EL	430	--	12	Native	--	--
386	Henderson	Tri Cities #1	Lone Star	11-55	S	ES	250	80	8 5/8	Native	--	--
387	Henderson	Underwood CH #1	LT	10-43	S	--	667	--	5 3/4	Native	--	--
388	Henderson	Virginia Hills WS #1	Holly	09-64	S	ES	928	100	12 1/4	Gel	Pit	M
389	Henderson	Virginia Hills WS #2	Rehkop	06-70	DA	IES	1096	--	6 3/4	Gel	Circ	--
390	Henderson	Fairway #3	Tx WW	10-69	S	ES	1300	100	9 7/8	Native	Pit	M
391	Hidalgo	Edinburg Ice TH #1	LT	06-57	S	ES	641	93	6 7/8	Native	--	--
392	Hidalgo	Edinburg Ice TH #1	LT	06-57	S	ES	641	93	6 7/8	Native	--	--
393	Hidalgo	McAllen Ranch (Shell)	LT	06-64	S	ES	752	80	6 3/4	Gel	--	--
394	Hidalgo	Rio Farms	LT	12-52	S	ES	1642	--	4 3/4	Native	--	--
395	Hidalgo	Rio Farms	LT	12-52	S	ES	1642	--	4 3/4	Native	--	--
396	Hidalgo	Rio Farms	LT	12-52	S	ES	1642	--	4 3/4	Native	--	--
397	Hidalgo	Rio Farms	LT	12-52	S	ES	1642	--	4 3/4	Native	--	--
398	Hidalgo	Sthrn Frozen Foods	LT	02-85	G	DIL	404	75	9 7/8	Bitnite Lime	Pit	--
399	Hidalgo	Tx Ag. Exp. Sta. #15	LT	07-53	S	ES	606	--	7 7/8	Nat Aquagel	--	--
400	Hill	Aquilla #1	JLM	11-59	S	CL	1485	--	8	Native	--	--
401	Hill	Chatt WS #1	JLM	06-68	R	EL	2070	--	10 5/8	Gel	--	--
402	Hill	Files Valley #1	JLM	07-73	Cor	--	2273	--	12	Native	--	--
403	Hill	Hillsboro-Leslie Well	SLT	02-74	S	IES,ML	1633	90	9 7/8	FGM	--	--
404	Hood	Granbury #2-82	LW	04-82	T	EL	277	--	6 3/4	Native	--	--
405	Hood	Tx Power & Lt #1	LT	11-71	S	IES	326	77	9 7/8	FGM	Pit	C
406	Hood	Tx Power & Lt #2	LT	01-72	S	IES	333	72	9 7/8	FGM	Pit	--
407	Hopkins	Como #3	JLM	06-65	S	ES,MLC	506	100	5 7/8	Gel Nat	Pit	M
408	Hopkins	Warren Petroleum #2	LT	02-67	S	ES	480	85	6 3/4	Gel	Pit	M
409	Hopkins	Warren Petroleum #2	LT	05-67	S	ES	482	<100	6 3/4	Gel	Pit	--
410	Houston	Grapeland #5	LT	05-57	S	ES	810	100	9 5/8	Gel	--	--
411	Houston	S.L. Murchison #1	BM	05-52	S	ES	6992	174	8 3/4	Gel	--	--
412	Howard	Reef Field Gas TH #1	--	01-53	--	--	--	--	--	--	--	--
413	Howard	Reef Field Gas TH #1	--	01-53	--	--	--	--	--	--	--	--
414	Howard	Reef Field Gas TH #1	--	01-53	--	--	--	--	--	--	--	--
415	Howard	Reef Field Gas TH #1	--	01-53	--	--	--	--	--	--	--	--
416	Hunt	Celeste #2	JLM	09-70	S	IES,ML	2010	100	12 1/4	Gel Caust	Pit	M
417	Hunt	Hickory Creek #1	JLM	12-66	T	EL	2318	--	8 7/8	Gel	--	--
418	Hunt	Hopewell WS #1	JLM	01-87	T	EL	2400	--	12 1/4	Native	--	--
419	Hunt	N Hunt WS #1	JLM	10-73	S	IES	3345	130	12 1/4	Native	Pit	M
420	Jackson	Magnolia Petro. #2	LT	08-55	S	ES	1256	100	9 7/8	Native	Pit	--
421	Jackson	Salt WS, West Ranch	LT	11-61	S	ML	4465	110	12 1/4	Phosphate	Pit	--
422	Jackson	Salt WS #2	LT	02-62	S	ES	4461	110	12 1/4	Phosphate	Pit	--
423	Jasper	E.Tx Pulp & Paper	LT	05-53	PGAC	EL	1408	--	7 7/8	Gel	--	--

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424	Jasper	Holly Huff #1	L	04-71	S	IES	842	100	4 1/2	Nat Gel	Pit	--
425	Jefferson	Mobil Oil Co. #3	LT	03-69	S	ES	909	--	9 7/8	Native	Pit	--
426	Jefferson	Pure Oil Co.	LT	07-56	S	ES	481	100	6 3/4	Salt Gel	--	--
427	Jefferson	Pure Oil Co.	LT	07-56	S	ES	481	100	6 3/4	Salt Gel	--	--
428	Jefferson	Pure Oil Co.	LT	07-56	S	ES	481	100	6 3/4	Salt Gel	--	--
429	Jefferson	Pure Oil Co.	LT	07-56	S	ES	481	100	6 3/4	Salt Gel	--	--
430	Jefferson	Tx Brine Co. #2	LT	07-58	S	ES	560	90	6 3/4	Native	--	--
431	Jefferson	Tx Brine Co. #2	LT	07-58	S	ES	560	90	6 3/4	Native	--	--
432	Jefferson	U.S. Steel Products	LT	10-51	S	ES	1181	91	11 3/4	Salt Water	--	--
433	Jim Hogg	Jim Hogg WCID #2 #5	LT	10-68	S	ES,ML	1415	100	7 7/8	Nat Gel	Pit	--
434	Jim Wells	Magnolia Petro. #2	LT	12-47	S	--	2468	113	7 7/8	Native	--	--
435	Jim Wells	Magnolia Petro. #2	LT	12-47	S	--	2468	113	7 7/8	Native	--	--
436	Johnson	Alvarado Trinity	JLM	01-86	T	EL	1637	--	12 1/4	Native	--	--
437	Johnson	Alvorado Trinity	JLM	03-84	T	EL	1668	--	15	Native	--	--
438	Johnson	Bethesda WS #4	LT	01-70	S	ES,MLC	1467	<100	9 7/8	FGM	--	--
439	Johnson	Bethesda WS #4A	JLM	07-82	T	EL	668	--	12 1/4	Native	--	--
440	Johnson	Bethesda WS #9	JLM	03-79	T	EL	1542	--	12 3/4	Native	--	--
441	Johnson	Bethesda WS #10	--	--	--	--	--	--	--	--	--	--
442	Johnson	Bethesda WS #10	--	--	--	--	--	--	--	--	--	--
443	Johnson	Bethesda WS #10	--	--	--	--	--	--	--	--	--	--
444	Johnson	Bethesda WS #10	--	--	--	--	--	--	--	--	--	--
445	Johnson	Bethesda WS #14	JLM	08-86	T	EL	1556	--	20	Native	--	--
446	Johnson	Billy Martin #1	JLM	03-84	G	IEL	1527	--	12 1/4	Fresh	Pit	C
447	Johnson	Cleburne	LT	03-55	--	EL	1266	--	9 7/8	--	--	--
448	Johnson	Johnson Rural #3	JLM	07-81	G	IEL	1666	86	11	Chem Gel	Pit	C
449	Johnson	Johnson Rural #20	JLM	04-81	G	IEL,MEL	1250	85	11	Fresh Water	--	--
450	Karnes	Cabeza Creek #3	Edington	05-57	S	ES	1198	<100	6 1/4	Nat Gel	--	--
451	Karnes	Chevron USA #1	LW	09-77	S	IES	4500	143	12 1/4	Gel	--	--
452	Karnes	Karnes City #4	LT	06-54	S	ES	1280	--	7 7/8	Nat Gel	--	--
453	Karnes	Karnes City #4	LT	06-54	S	ES	1280	--	7 7/8	Nat Gel	--	--
454	Karnes	Karnes City #4	LT	06-54	S	ES	1280	--	7 7/8	Nat Gel	--	--
455	Karnes	Karnes City #4	LT	06-54	S	ES	1280	--	7 7/8	Nat Gel	--	--
456	Karnes	Shell Oil Co #2	LT	03-62	S	ES,ML	1112	--	6 3/4	Native	--	--
457	Karnes	Shell Oil Co #2	LT	03-62	S	ES,ML	1112	--	6 3/4	Native	--	--
458	Karnes	Shell Oil Co #2	LT	03-62	S	ES,ML	1112	--	6 3/4	Native	--	--
459	Karnes	United Gas Pipe #1	LT	05-49	S	ES	989	85	7 3/4	Native	--	--
460	Karnes	United Gas Pipe #1	LT	05-49	S	ES	989	85	7 3/4	Native	--	--
461	Karnes	United Gas Pipe #2	LT	06-49	S	ES	903	--	7 7/8	Native	--	--
462	Kleberg	King Ranch #5	LT	08-63	S	ES	791	--	7 7/8	Native	Pit	--
463	Kleberg	Kingsville #20	LW	08-77	G	IEL	804	107	12 1/4	Gel	FlowL	--
464	Kleberg	Kingsville Naval #5	KD	01-66	S	IES,FT	829	75	9 7/8	Native	--	--
465	LaSalle	Cotulla #6	McK	04-82	G	IL	2337	101	12 1/4	Native	Pit	--
466	LaSalle	Leroy Hinds #1	--	09-55	S	ES	3015	--	12 1/4	Natural	--	--
467	LaSalle	Fee #1	Schultz	03-56	S	ES	2051	108	13 1/4	Native	--	--
468	LaSalle	Schletze #4	--	09-57	PGAC	ES	725	90	12 1/4	Native	--	--
469	Lavaca	Hallettsville #1	LT	01-57	S	ES	1336	--	6 3/4	Native	--	--
470	Lavaca	Hallettsville #4	LT	04-49	S	-	663	--	9 7/8	Native	--	--

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471	Lavaca	Hallettsville #M312	LW	09-76	S	DIL	569	<100	12 1/2	Fresh	--	C
472	Lee	CPS #3	Pomykal	12-81	--	--	931	82	7 7/8	Native	Circ	C
473	Lee	Durham Ranch #3	R&M	04-71	T	EL	680	--	6 3/4	Gel	--	--
474	Lee	Giddings #1	LT	01-71	S	IES	2160	100	7 7/8	Native	FlowL	--
475	Leon	Amerigas-Jewett #1	JLM	06-82	T	EL	656	--	9	Native	--	--
476	Leon	Jewett #3	L	08-83	T	EL	1090	--	7 7/8	Native	--	--
477	Leon	Jewett #3	L	08-83	T	EL	1090	--	7 7/8	Native	--	--
478	Liberty	Dayton	L	06-74	S	I-SFL	1430	--	9 7/8	Native	Pit	C
479	Limestone	Magnet Cove Barlin	LT	11-63	--	EL	495	--	7 7/8	--	--	--
480	Limestone	H.L & P Test Well	JLM	10-81	S	DIL	749	104	10	Aquagel	Pit	--
481	Limestone	Houston L & P #1	LT	01-81	--	DIL	753	85	10	Natural	Pit	--
482	Limestone	Prairie Hill #1	JLM	07-63	T	EL	3950	--	9 7/8	Nat Gel	--	--
483	Madison	Madisonville #3	L	02-72	S	IES	1215	<100	9 7/8	Nat Gel	Pit	--
484	Madison	Tinkle #1	Stodd	09-53	S	ES	2042	187	9 7/8	Native	--	--
485	Marion	Jefferson #2	LT	02-47	S	ES	797	78	7 7/8	Native	--	--
486	Marion	Southwest #1	LT	06-67	S	ES	815	100	6 5/8	Native	Pit	M
487	Matagorda	Farmers Canal TH #4	LT	12-54	S	ES	915	90	6 1/4	Native	--	--
488	Matagorda	Farmers Canal TH #4	LT	12-54	S	ES	915	90	6 1/4	Native	--	--
489	McCullough	Brady #5	LT	11-63	S	ES	2101	--	13 3/4	--	--	--
490	McCullough	Brady #5	LT	10-63	S	ES,MLC	2102	--	10	Fresh Water	Pit	--
491	McCullough	Brady #7	JLM	12-84	G	DIL,SGR	2250	90	12 1/4	Fresh	Pit	M
492	McCullough	Brady #8	JLM	04-85	G	DIL,CDL	2460	96	12 1/2	Fresh Gel	Circ	M
493	McCullough	Melvin #3	JLM	03-88	G	DIL,MIL	2389	94	11	Chem Gel	Circ	M
494	McCullough	Millers-Doole #3	JLM	05-84	G	DIL,CDL	3305	100	8	Fresh	Pit	--
495	McCullough	G.R. White WS #1	KD	10-71	S	IES,FDC,GR	2728	100	12 1/4	FGM	Circ	M
496	McLennan	Elm #2	JLM	03-61	S	ES	2347	--	--	Gel	Pit	C
497	McLennan	Axtell #1	JLM	03-59	S	ES	3129	110	7	Gel	Pit	--
498	McLennan	Bell Mead #2	JLM	04-57	S	ES,ML,DR	2405	110	8 3/4	Aquagel	Pit	--
499	McLennan	Bell Mead #3	JLM	01-78	T	EL	2460	--	11	Native	--	--
500	McLennan	Bell Mead #5	JLM	02-87	T	EL	2410	--	14 3/4	Native	--	--
501	McLennan	Connally Air Base	LT	12-52	S	ES	2437	--	9 7/8	Aquagel	--	--
502	McLennan	Hewitt #8	LW	06-83	T	EL	2160	--	12 1/4	Native	--	--
503	McLennan	Hilltop #1	JLM	07-64	S	IES	2100	107	8 3/4	Gel Oil	Pit	M
504	McLennan	Leroy-Tours-Gerald #1	LT	09-58	S	ES	2860	103	7 7/8	Aquagel	Circ	--
505	McLennan	Lacy-Lakeview #3	JLM	11-60	S	ES,MLC	2329	100	8 3/4	Native	Circ	M
506	McLennan	Lorena #2	JLM	04-61	S	ES	1888	100	9	Native	Pit	--
507	McLennan	Moody #2	JLM	07-57	S	ES,ML,DR	1561	108	11	Native	Pit	--
508	McLennan	TX Power & Lt #1	LT	02-67	S	ES,ML	3035	114	8 3/4	Gel Chem	Circ	M
509	McLennan	Tx Power & Lt #1	LT	11-51	S	ES	2822	110	9	Aqua	--	--
510	McLennan	Tx Power & Lt #1	LT	11-51	S	ES	2824	110	9	Aqua	--	--
511	McLennan	Tx Power & Lt	LT	02-52	S	ES	2851	110	9	Aqua	--	--
512	McLennan	TX Power & Lt #2	LT	02-52	S	ES	2898	100	7 7/8	Aqua	--	--
513	McLennan	Tx Power & Lt #2	LT	05-69	S	ES,ML	2951	110	9	Gel Caustic	FlowL	M
514	McLennan	Waco Water #4	JLM	07-58	S	ES	2493	120	8 1/2	Oil Base Gel	Circ	--
515	McLennan	Myers Settlement	Triangle	09-66	S	--	3371	140	7 7/8	Gel Sper Cau	Pit	M
516	McLennan	Woodway #2	LW	06-85	T	EL,GR	1795	--	--	--	--	--
517	McMullen	John Gunn Fee #1	--	01-56	S	ES	1983	105	7 7/8	Natural	--	--

	County	Well Name	Drilling Co.	Date Drilled	Logging Co.	Logging Suite	T.D. (feet)	Temp @ T.D. (°F)	Bit Size (inches)	Mud Type	Source of Mud Sample	Source of Rmf
518	McMullen	Murray Franklin #1	Gilcrease	12-58	S	ES	6017	142	7 7/8	Natural	--	--
519	McMullen	Fluor Corp. #1	LT	02-58	S	ES	4715	134	9 7/8	Natural	Pit	--
520	McMullen	Fox Creek Ranch #1	McK	02-87	S	DIL	2321	110	9 7/8	Native	Pit	--
521	McMullen	McMullen #2	McK	04-87	S	DIL	4262	146	7 7/8	Gel Lignite	Pit	--
522	McMullen	Roarke #1	Rowen&Hope	06-49	S	ES	4964	143	6 3/4	Aquagel	--	--
523	McMullen	Tilden #1	McMullen	11-49	S	ES	4255	136	9 1/2	Aquagel	--	--
524	Medina	Natalia	LW	05-82	S	Sonic-GR	2551	113	10	Nat Gel	Pit	--
525	Milam	Alcoa #1 Test	LT	12-51	S	ES	758	--	6 1/4	--	--	--
526	Milam	Alcoa #4	LW	08-86	G	IEL	471	<100	9 7/8	Native	--	--
527	Milam	Gause WS #1	LT	07-64	S	IES	1207	105	7 7/8	Native	Pit	--
528	Milam	Milam Co #1-1	LT	03-57	S	ES,ML	3448	130	7 7/8	Natural	--	--
529	Milam	Milam Co #1-1	LT	03-57	S	ES,ML	3448	--	7 7/8	Natural	--	--
530	Milam	Milam Co WCID #1	LT	03-57	S	ML	2100	100	7 7/8	Native	Pit	--
531	Milam	Milam Co WCID #1	LT	03-57	S	ML	2100	100	7 7/8	Native	Pit	--
532	Milam	Milano #2	JLM	02-74	T	EL	800	-	9	Native	--	--
533	Milam	North Milam WS #1	--	03-65	S	IES	410	90	6 1/8	Native	Pit	C
534	Milam	North Milam WS #2	JLM	10-76	T	EL	532	--	11	Native	--	--
535	Milam	Rockdale #1	L	06-73	S	IES	826	--	9 7/8	Native	--	--
536	Montgomery	M.Co. MUD #58	L	07-84	S	DIL	1315	93	7 7/8	Gel Water	Circ	M
537	Montgomery	Shanandoah #42	L	04-84	S	DIL,D,N	1317	85	7 7/8	Gel Water	Pit	C
538	Montgomery	Splendora #31	L	10-72	S	I-SFL	923	100	7 7/8	Native	Pit	--
539	Montgomery	Porter WS #5	H&H	02-87	--	--	--	--	8 3/4	--	--	--
540	Morris	Naples #6	LT	04-65	S	ES	486	100	7 7/8	Gel	Pit	M
541	Morris	Omaha #3	LT	06-64	S	ES	624	<100	6 3/4	Native	Circ	M
542	Morris	Omaha #3	LT	06-64	S	ES	624	100	6 3/4	Native	Circ	M
543	Nacogdoches	Appleby WS #3	Key	07-76	S	ILL	451	--	14	Native	--	--
544	Nacogdoches	Appleby WS #5	Key	05-81	C	EL	990	--	7 7/8	Gel	Pit	--
545	Nacogdoches	Appleby WS #4	Key	09-77	--	ES	760	--	--	--	--	--
546	Nacogdoches	Nacogdoches #10	LT	11-69	S	ES	1600	100	7 7/8	Native	Pit	M
547	Nacogdoches	Nacogdoches #10	LT	11-69	S	ES	1600	100	7 7/8	Native	Pit	M
548	Navarro	Blooming Grove #2	JLM	09-66	S	IES,ML	1602	<100	11	Native	Pit	M
549	Navarro	Frost #2	JLM	07-73	T	EL	1300	--	9	Native	--	--
550	Newton	Jamestown WS #1	L	03-82	C	ES	1013	--	7 7/8	Gel	Pit	--
551	Nueces	Stratton #13	LT	11-54	S	ES	749	<100	6 3/4	Native	--	--
552	Nueces	Stratton #13	LT	11-54	S	ES	749	<100	6 3/4	Native	--	--
553	Panola	Carthage #8	LT	03-64	S	IES	500	--	6 3/4	Native	Circ	--
554	Panola	Tx Util. Rail. #1	SLT	06-75	S	IL	643	76	9 7/8	Native	Pit	--
555	Panola	Tx Util. Rail. #1	SLT	06-75	S	IL	643	76	9 7/8	Native	Pit	--
556	Polk	Legget WS #1	Key	07-68	S	ES	1000	--	7 7/8	--	FlowL	--
557	Rains	Sabine River Auth. #1	LT	07-57	S	ES	1215	100	6 3/4	Native	Pit	--
558	Rains	Texaco #1	LT	03-66	S	ES	300	<100	6 3/4	Native	Circ	--
559	Red River	Bagwell WS #1	JLM	01-65	S	IES	370	100	8 3/4	Native	Pit	--
560	Red River	Bogata 1-72	LT	07-72	S	IES	351	<100	7 7/8	Gel	--	--
561	Red River	Clarksville #4	LT	05-57	S	ES	659	100	7 7/8	Gel	--	--
562	Red River	Clarksville #4	LT	05-57	S	ES	659	100	7 7/8	Gel	--	--
563	Red River	Red River Co. WS #1	LT	08-68	S	ES	722	--	6 3/4	Nat	--	--
564	Red River	Red River Co. WS #2	LT	10-68	S	ES	538	--	6 3/4	Nat	--	--

	County	Well Name	Drilling Co.	Date Drilled	Logging Co.	Logging Suite	T.D. (feet)	Temp @ T.D. (°F)	Bit Size (inches)	Mud Type	Source of Mud Sample	Source of Rmf
565	Red River	Red River Co. WS #3	LT	11-69	S	ES	550	100	6 3/4	Nat	Circ	--
566	Reeves	Pecos #2	--	10-48	--	--	--	--	--	--	--	--
567	Reeves	Pecos #2	--	10-48	--	--	--	--	--	--	--	--
568	Reeves	Pecos #2	--	10-48	--	--	--	--	--	--	--	--
569	Robertson	Hearne	LW	08-82	G	IEL	1482	100	12 1/4	FGM	Pit	--
570	Robertson	Hearne #1	KD	07-64	S	ES,ML	1434	100	12 1/4	Natural	--	--
571	Robertson	Robertson Co. WS #1	L	03-75	T	EL	1534	--	7 7/8	Native	--	--
572	Robertson	Robertson Co. WS #3	Key	06-82	T	EL	650	--	6 3/4	Native	--	--
573	Robertson	Tx. Utilities #1-79	LT	10-79	G	ILL	933	100	7 7/8	Gel Water	Pit	M
574	Rusk	Amoco #1	SLT	07-74	S	IES	1141	<100	7 7/8	Gel	Pit	M
575	Rusk	Amoco #168	SLT	09-74	S	IES	1135	108	9 7/8	Gel	Pit	M
576	Rusk	Amoco #170	SLT	07-74	S	IES,GR	1134	<100	7 7/8	Native	Circ	M
577	Rusk	Amoco #170	SLT	07-74	S	IES,GR	1134	<100	7 7/8	Native	Circ	M
578	Rusk	Goodsprings #1-A	Edington	05-65	S	IES	656	100	6 1/4	Native	Pit	M
579	Rusk	Henderson #1-54	LT	11-54	S	ES	789	<100	6 3/4	Aquagel	--	--
580	Rusk	Henderson #1-63	LT	10-63	S	ES	936	100	6 3/4	Gel	--	--
581	Rusk	Henderson #13	LT	01-64	S	ES	714	100	6 3/4	Fresh Mud	--	--
582	Rusk	Henderson #2-63	LT	11-63	S	ES	803	<100	6 5/8	Gel	--	--
583	Rusk	Henderson #2-69	LT	09-69	S	ES	762	--	7 7/8	Native	Circ	--
584	Rusk	Henderson #3-1	LT	01-42	S	ES	719	--	3 1/2	Nat Aqua	--	--
585	Rusk	Henderson #3-63	LT	12-63	S	ES	743	--	6 5/8	Gel	--	--
586	Rusk	Humble Amer. Gas. #4	LT	09-49	S	ES	985	--	7 7/8	Native	--	--
587	Rusk	Humble Amer. Gas. #4	LT	09-49	S	ES	985	--	7 7/8	Native	--	--
588	Rusk	Humble Amer. Gas. #4	LT	09-49	S	ES	985	--	7 7/8	Native	--	--
589	Rusk	Humble Amer. Gas. #4	LT	09-49	S	ES	985	--	7 7/8	Native	--	--
590	Rusk	Mobil Oil Co TH #1	LT	09-80	S	IL	1100	108	7 7/8	Native	Pit	--
591	Rusk	Pleasant Hill #2	L	04-74	S	IES	738	100	7 7/8	Native	FlowL	--
592	Rusk	White Oak WS	LT	06-63	S	ES	653	--	6 3/4	--	--	--
593	Rusk	White Oak WS #1	LT	09-63	S	ES	540	<100	6 3/4	Gel	Circ	--
594	Sabine	Pine Land	--	06-70	S	--	472	93	6 1/4	Fresh	Pit	C
595	Sabine	US Dept of Agri. #1	LT	08-67	LT	EL-Widco	1200	--	6 3/4	--	--	--
596	Sabine	US Dept of Agri. TH #2	LT	01-67	LT	EL-Widco	355	--	6 1/4	--	--	--
597	San Jacinto	Horizon Corp.	LT	03-72	S	I-SFL	1550	100	6 5/8	Native	--	--
598	San Jacinto	Horizon Corp.	--	03-72	--	--	--	--	--	--	--	--
599	San Jacinto	Horizon Corp. #2	LT	03-72	S	I-SFL	705	100	6 5/8	Fresh Nat	Pit	M
600	San Jacinto	Horizon Corp. #3	LT	03-72	S	I-SFL	705	100	6 5/8	Fresh Nat	Pit	M
601	San Jacinto	Horizon Corp. #3	LT	03-72	S	I-SFL	1005	100	6 5/8	Natural	Pit	M
602	San Jacinto	Horizon Corp. #4	LT	02-72	S	IES	703	100	6 5/8	Native	Pit	C
603	San Jacinto	Horizon Corp. #5	LT	02-72	S	IES	705	100	6 5/8	Nat Mud	Pit	M
604	San Jacinto	Horizon Corp. #6	LT	02-72	S	IES	704	100	6 5/8	--	FlowL	M
605	San Jacinto	Horizon Corp. #7	LT	03-72	S	I-SFL	501	87	6 5/8	Native	Pit	M
606	San Jacinto	Horizon Corp. #8	LT	03-72	S	I-SFL	531	87	6 5/8	Fresh Nat	FlowL	C
607	San Patricio	Reynolds Metals #1	LT	05-51	S	ES	1054	--	6 1/4	Native	--	--
608	San Patricio	Reynolds Metals #1	LT	05-51	S	ES	1054	--	6 1/4	Native	--	--
609	San Patricio	Reynolds Metals #1	LT	05-51	S	ES	1054	--	6 1/4	Native	--	--
610	San Patricio	Reynolds Metals #1	LT	05-51	S	ES	1054	--	6 1/4	Native	--	--
611	San Patricio	F.H. Vahlsing #3	LT	08-52	S	ES	736	--	6 3/4	Gel	--	--

	County	Well Name	Drilling Co.	Date Drilled	Logging Co.	Logging Suite	T.D. (feet)	Temp @ T.D. (°F)	Bit Size (inches)	Mud Type	Source of Mud Sample	Source of Rmf
612	Shelby	Center TH #1	LT	09-44	S	ES	1072	--	4 3/4	Native	--	--
613	Shelby	Center TH #1	LT	09-44	S	ES	1072	--	4 3/4	Native	--	--
614	Shelby	Center TH #1	LT	09-44	S	ES	1072	--	4 3/4	Native	--	--
615	Shelby	Sand Hill WS #1	Triangle	10-66	S	IES	1456	97	0	Native	Pit	C
616	Shelby	Choice WS #2	Key	05-79	K	IES	--	--	-	--	--	--
617	Shelby	Teneha	LT	05-64	LT	EL	525	--	--	--	--	--
618	Shelby	Tennessee #1	L	10-70	S	IES	615	--	6 1/4	Native	Circ	C
619	Shelby	Timpson #4	--	03-72	S	--	757	100	7 7/8	Native	Pit	--
620	Shelby	Shelbyville #1	L	06-64	S	ES	704	75	4 3/4	Water	Pit	M
621	Smith	Arp #5	--	--	--	--	--	--	--	--	--	--
622	Smith	Arp #5	--	--	--	--	--	--	--	--	--	--
623	Smith	Dean WS #1	LW	03-66	LWS	IES	955	90	7 7/8	Native	Pit	C
624	Smith	Dean WS #4	LW	07-86	G	ILL	817	84	9 7/8	Chem Gel	FlowL	M
625	Smith	Hawkins #8	LT	06-83	G	IES	1049	<100	7 7/8	Gel	Pit	M
626	Smith	Hide Away Lake #1	LT	04-70	S	IES	1006	100	7 7/8	Native	Circ	--
627	Smith	Hide Away Lake #2	LT	04-70	S	ES	950	<100	6 3/4	Native	--	--
628	Smith	Hide Away-Crys #1-74	LT	02-74	S	IES	1010	>100	7 7/8	Fresh Gel	--	--
629	Smith	Holly Tree Farm	LT	04-54	LT	EL	792	--	7 7/8	--	--	--
630	Smith	Lindale Test #1	LT	10-80	G	ILL	1013	42	7 7/8	Chem Gel	--	--
631	Smith	Lindale #5	LT	08-68	S	ES	1071	100	7 7/8	Native	Circ	--
632	Smith	Lindale #5	LT	08-68	S	ES	1071	100	7 7/8	Native	Circ	--
633	Smith	Lindale #2-80	LT	11-80	G	ILL	1013	46	7 7/8	Gel	--	M
634	Smith	Lindale #6	LT	12-80	G	ILL	1191	56	7 7/8	Native	Pit	M
635	Smith	Pan-Am Water #1	KD	06-63	S	ES	1064	<100	12 1/4	Gel	Circ	--
636	Smith	Spring Hill WS #3-71	LT	08-71	S	IES	800	<100	6 3/4	Native	Pit	--
637	Smith	Spring Hill WS #2	--	10-71	S	--	--	--	--	--	--	--
638	Smith	Star Mt. WS	Key	02-82	C	EL	1094	--	7 7/8	Gel	Pit	--
639	Smith	Troup #1-77	LT	09-77	S	I-SFL	1132	--	7 7/8	Native	Pit	--
640	Smith	Tyler Industrial	LT	02-61	S	TL	942	77	6 3/4	Gel	--	--
641	Smith	Tyler P&F #2	LT	03-55	S	ES	993	<100	6 3/4	Native	--	--
642	Smith	Tyler P&F #2	LT	03-55	S	ES	814	100	11 3/4	Native	--	--
643	Smith	Tyler P&F #2	LT	03-55	S	ES	1009	100	6 3/4	Native	--	--
644	Smith	Tyler #4	LT	04-79	G	IES	1074	86	7 5/8	Acrogel	Pit	--
645	Smith	Van #2 TH #1	LT	09-78	S	I-SFL	866	100	7 7/8	Native	Circ	M
646	Smith	Van #1-76	LT	12-76	S	ILL	1049	<100	7 7/8	Mud	Pit	--
647	Smith	Whitehouse #1-79	LT	05-79	G	IES	1170	95	7 7/8	Gel	Pit	--
648	Smith	Wisenbaker #1	LT	05-65	S	ES	1068	<100	7 7/8	Gel	Pit	M
649	Smith	Wisenbaker #1	LT	06-64	S	ES	990	<100	6 3/4	Gel Nat	Pit	M
650	Smith	Wisenbaker ETA	LT	06-73	S	IES	1237	<100	7 7/8	Gel	Pit	M
651	Smith	Wisenbaker ETA #1	LT	04-73	S	IES	831	<100	9 7/8	Native	Pit	M
652	Smith	R.E. Wisenbaker #1	LT	04-73	S	IES	831	<100	9 7/8	Natural	--	--
653	Somervell	Tx Utilities #1	SLT	02-74	S	IES	552	75	9 7/8	FGM	Circ	--
654	Somervell	Tx Utilities #2	LT	01-75	S	IES	510	84	9 7/8	FGM	Pit	--
655	Somervell	Tx Utilities Gen	LT	03-75	S	EL-Widco	493	--	6 3/4	--	--	--
656	Sterling	Sterling City #1	LT	08-57	--	--	211	--	--	Boroco	--	--
657	Tarrant	Bethesda WS #1-E	JLM	08-81	T	EL	781	--	11	Native	--	--
658	Tarrant	Bethesda WS #6A	JLM	02-81	--	--	--	--	--	--	--	--

	County	Well Name	Drilling Co.	Date Drilled	Logging Co.	Logging Suite	T.D. (feet)	Temp @ T.D. (°F)	Bit Size (inches)	Mud Type	Source of Mud Sample	Source of Rmf
659	Tarrant	Bethesda WS #8C	JLM	07-81	--	--	--	--	--	--	--	--
660	Tarrant	Chicago Corp	LT	08-55	--	EL	384	--	9 7/8	--	--	--
661	Tarrant	Dalworthing. Gar #2	LT	04-54	S	ES	783	--	8 3/4	Natural	--	--
662	Tarrant	Forest Hill	KD	05-68	S	IES,ML	1322	93	10 5/8	FGM	Pit	M
663	Tarrant	Forest Hill #7	LT	05-64	S	ES,ML	1347	85	9 7/8	Gel	Cir	--
664	Tarrant	Haltom #2	LT	11-54	S	ES	1130	95	9 7/8	Natural	--	--
665	Tarrant	Haslet	LT	09-71	S	IES	574	90	7 7/8	FGM	Pit	--
666	Tarrant	Haslet #1	LT	01-72	T	EL	1190	--	9 7/8	Nat Gel	--	--
667	Tarrant	Hurst #8	JLM	04-62	S	ES,MLC	1500	85	9 7/8	Water Gel	--	--
668	Tarrant	Kee Branch WS #1	LT	04-66	S	ES,ML	1603	100	9 7/8	Gel	Pit	M
669	Tarrant	Keller Rural WS #1	JLM	04-74	A	IEL	841	--	11	Nat Mud	Circ	C
670	Tarrant	Keller Rural WS #5	JLM	07-79	T	EL	1358	--	11	Native	--	--
671	Tarrant	Kennedale #3	JLM	06-70	A	IEL,MLC	704	87	11	Native	Pit	M
672	Tarrant	Kennedale #4	L	10-70	S	ES	1475	90	9 7/8	FGM	Pit	M
673	Tarrant	Magnolia Petro. #5	LT	09-54	S	ES	1004	75	9 7/8	Gel	--	--
674	Tarrant	Pantego #4	LT	06-69	S	ES,ML	1623	89	9 7/8	FGM-CS	Pit	M
675	Tarrant	Portland Cement #4	LT	09-56	S	ES	960	90	9 7/8	Gel	--	--
676	Tarrant	Southlake	LT	10-65	S	ES	1650	95	7 7/8	Gel Caustic	Pit	C
677	Tarrant	Southlake	LT	10-65	S	ES	1650	95	7 7/8	Gel Caustic	Pit	C
678	Tarrant	Southlake WS #2	LT	03-72	S	IES,CL,ML	1610	92	7 7/8	FGM	Circ	C
679	Tarrant	Southlake #2	LT	04-72	S	CL,ML	1610	92	18	FGM	Circ	C
680	Tarrant	Stauffer Chemical	LT	07-63	S	ES	1091	94	11 15/16	Gel	Pit	M
681	Tarrant	Tx Electric Co	LT	01-51	S	IES	1350	80	9 7/8	Gel	--	--
682	Tarrant	Tx Electric Co	LT	09-50	--	--	1346	--	--	--	--	--
683	Tarrant	Tx Electric Co	LT	11-50	--	--	1352	--	--	--	--	--
684	Tarrant	Tx Electric #10	LT	06-50	S	ES	1397	85	11 3/4	Nat Chem	--	--
685	Tarrant	Tx Electric #10	LT	06-50	S	ES	1397	85	11 3/4	Nat Chem	--	--
686	Tarrant	Tx Water #4	LT	05-52	S	ES	1335	93	9 7/8	Native	--	--
687	Tarrant	Trinity #1 (Hurst)	LT	07-55	S	ES	1457	92	9 7/8	Chem Mix	--	--
688	Tarrant	Trinity #1	LT	04-55	S	ES	1625	85	9 7/8	Natural	Pit	--
689	Titus	Tx Utilities #1-72	LT	10-72	S	IES	1492	<100	7 7/8	Native	Pit	C
690	Travis	Manor #2	SLT	06-74	S	IES	3258	120	7 7/8	Nat Gel	Pit	--
691	Travis	Manor #2	SLT	06-74	S	IES	3258	120	7 7/8	Nat Gel	Pit	--
692	Tyler	Colmesneil #3	L	02-73	S	I-SFL	658	100	7 7/8	Nat Gel	Pit	C
693	Tyler	Colmesneil #3	L	02-73	S	IES	658	100	7 7/8	Nat Gel	Pit	C
694	Upshur	Bi-County HWY 11 #4	L	08-81	C	ES	521	--	7 7/8	Gel	Pit	--
695	Upshur	Bi-County WS	L	07-72	W	--	540	--	7 7/8	--	--	--
696	Upshur	Big Sandy TH #1	LT	06-68	S	ES	590	<100	6 3/4	Gel	Pit	--
697	Upshur	Fleming & Son TH #1	LT	12-55	S	ES	1319	<100	6 3/4	Native	Pit	--
698	Upshur	Fleming & Son TH #1	LT	12-55	S	ES	1319	<100	6 3/4	Native	Pit	--
699	Upshur	Fleming & Son TH #1	LT	12-55	S	ES	1319	<100	6 3/4	Native	Pit	--
700	Upshur	Fleming & Son TH #1	LT	12-55	S	ES	1319	<100	6 3/4	Native	Pit	--
701	Upshur	Gilmer #5	Tx WW	05-62	S	ES	569	--	7 1/8	Native	--	--
702	Upshur	Gilmer #6	Tx WW	09-68	S	ES	519	100	6 3/4	Native	Pit	--
703	Upshur	Gilmer #7	SLT	10-74	S	IES	713	<100	9 7/8	Native	Pit	--
704	Upshur	Oak Grove Water #1	LT	05-62	S	ES	650	--	6 3/4	Native	--	--
705	Upshur	Pittsburg Std. #1	LT	10-62	--	EL,MLC	612	<100	6 3/4	Gel	--	M

	County	Well Name	Drilling Co.	Date Drilled	Logging Co.	Logging Suite	T.D. (feet)	Temp @ T.D. (°F)	Bit Size (inches)	Mud Type	Source of Mud Sample	Source of Rmf
706	Upshur	Tyler Pipe Ind	LW	08-84	G	IEL	601	--	6 3/4	Baroid	Pit	M
707	Val Verde	Del Rio #2	LW	07-81	G	IEL	381	92	12 1/4	Fresh water	--	--
708	Van Zandt	Grand Saline #1	LT	04-67	S	ES	543	<100	7 7/8	Nat Gel	Circ	--
709	Van Zandt	Grand Saline #1	LT	04-67	S	ES	543	<100	7 7/8	Nat Gel	Circ	--
710	Van Zandt	Grand Saline TH #2-72	LT	01-73	S	IES	516	<100	7 7/8	Native	Pit	--
711	Van Zandt	L. Hope Moore #1	--	10-68	DA	IES	782	--	6 3/4	Native	Pit	--
712	Van Zandt	Pruitt Sandflat #1	A&F	02-68	LWS	IES	332	--	8 3/4	Native	Circ	C
713	Van Zandt	RPM WS #1	RPM	04-66	LWS	IES	520	85	8 3/4	Mud	Pit	C
714	Van Zandt	Cities Service Oil TH #2	LT	01-68	S	ES	300	--	6 3/4	FGM	Pit	--
715	Van Zandt	Van Water #1	LT	10-64	S	ES	890	--	6 3/4	Gel	Circ	M
716	Walker	Huntsville #13	Tx WW	07-58	S	ES	1270	100	9 7/8	Native	--	--
717	Walker	Huntsville #14	Tx WW	08-58	S	ES	1261	90	9 7/8	Native	--	--
718	Walker	Huntsville #15	Tx WW	05-61	S	ES,ML	1412	--	7 7/8	Natural	--	--
719	Walker	Horizon Corp. #1	LT	01-72	S	IES	708	100	6 5/8	Native	Pit	M
720	Walker	New Waverly	LW	07-85	W	X-Y Cal.	1210	88	12 1/4	Nat Mud	Circ	M
721	Walker	Phelps WS #2	L	07-71	S	IES	1441	95	7 7/8	Water Gel	Pit	C
722	Walker	Pine Prairie #1	L	09-74	S	IES	1101	100	7 7/8	Native	Pit	C
723	Walker	Pine Prairie WS	--	07-86	--	--	770	--	6 1/2	--	--	--
724	Ward	Monahans	LT	03-59	S	ES,SG	393	--	7 7/8	Native	--	--
725	Ward	Monahans #2	LT	05-57	S	ES	516	--	6 3/4	Baraco	--	--
726	Ward	Monahans #2	LT	05-57	S	ES	516	--	6 3/4	Baraco	--	--
727	Ward	Monahans #2	LT	05-57	S	ES	516	--	6 3/4	Baraco	--	--
728	Ward	Monahans #3	LT	05-59	S	ES	405	83	6 3/4	Nat	--	--
729	Ward	Tx Electric #6	LT	10-55	S	ES	1007	81	6 3/4	Gel Que	--	--
730	Ward	Tx Electric #B-8	LT	11-55	S	ES	426	--	6 1/2	Nat Gel	--	--
731	Ward	Tx Electric #B-11	LT	12-55	S	ES	436	71	6 3/4	Native	--	--
732	Washington	Rockdale #1	L	06-73	S	IES	811	--	9 7/8	Native	--	--
733	Webb	Dolores Ranch	Scibienski	05-60	S	ES	1300	100	7 7/8	Native	--	--
734	Webb	Maltsberger Ranch	Maltsberger	01-64	S	ES	2176	100	9	Native	FlowL	--
735	Willacy	Raymondville TH #1	LT	03-53	S	ES	965	90	6 1/4	Native	--	--
736	Willacy	Willacy Co Navig. #1	LT	02-55	S	ES	1657	--	6 1/4	Native	--	--
737	Willacy	Willacy Co Navig. #1	LT	02-55	S	ES	1657	--	6 1/4	Native	--	--
738	Wilson	EL OSO #1	LW	04-80	G	IES	3165	116	12 1/4	Gel	FlowL	M
739	Wilson	El OSO #2	LW	06-80	G	IES	3135	134	12 1/4	Nat Gel	Pit	--
740	Wilson	Floresville	McK	01-86	S	DIL	1020	84	12 1/4	Native	--	C
741	Wilson	Floresville #2	LT	07-50	S	ES	908	--	7 7/8	Nat Aquagel	--	--
742	Wilson	J. Conally #12	McK	07-64	S	ES	1018	--	12 1/4	Native	Pit	--
743	Wilson	Poth #3	LT	06-51	S	ES	2010	--	11 3/4	Native	--	--
744	Wilson	Skrobarak #1	Durham	04-65	S	IES,ST	2512	--	7 7/8	Nat Gel	--	--
745	Wilson	Mill Site #1	Continental	11-70	S	IES	3807	130	9 7/8	Gel Tan	--	--
746	Winkler	Haley Plant #2	LT	12-71	S	MLC	777	70	7 7/8	Nat Gel	--	--
747	Winkler	Haley Plant #2	LT	12-71	S	MLC	777	70	7 7/8	Nat Gel	--	--
748	Wise	Alvord	LT	08-54	S	ES	620	82	6 3/4	--	--	--
749	Wise	Alvord #2	JLM	12-62	S	ES,ML	390	--	9	Gel	Pit	M
750	Wood	Alba #4	JLM	05-85	T	EL	428	--	14 3/4	Native	--	--
751	Wood	Fouke WS	LT	04-83	G	IES	1216	82	7 7/8	Gel	Circ	M
752	Wood	Hawkins #2	LT	12-47	S	ES	385	--	11 7/8	Water	--	--

	County	Well Name	Drilling Co.	Date Drilled	Logging Co.	Logging Suite	T.D. (feet)	Temp @ T.D. (°F)	Bit Size (inches)	Mud Type	Source of Mud Sample	Source of Rmf
753	Wood	Hawkins #5	LT	07-66	S	ES	755	100	6 5/8	Nat Gel	Pit	--
754	Wood	Hawkins #5	LT	07-66	S	ES	755	100	6 5/8	Nat Gel	Pit	--
755	Wood	Hawkins #6	LT	09-69	S	ES	782	100	7 7/8	Native	Circ	--
756	Wood	Hawkins Gas Plant	LW	05-76	T	EL	506	--	12 1/4	Water	Pit	--
757	Wood	Humble Gas #3	LT	12-70	S	IES	489	100	6 3/4	Gel	FlowL	--
758	Wood	Jarvis CC	LT	05-73	S	IES	809	<100	7 7/8	Natural	Circ	-
759	Wood	Jarvis CC #1	LT	10-44	S	ES	505	--	9 7/8	Clay	--	--
760	Wood	Matthew Const #1	SLT	09-75	S	IL	602	<100	7 7/8	Gel Water	Pit	M
761	Wood	Mineola #1-5	LT	06-67	S	ES	450	100	6 3/4	Native	Pit	M
762	Wood	Mineola #1-5	LT	06-67	S	ES	450	100	6 3/4	Native	Pit	M
763	Wood	Mineola #1-66	LT	03-66	S	ES	599	100	6 3/4	Native	FlowL	--
764	Wood	Mineola #1-78	LT	04-78	S	IES	892	--	6 3/4	Liq	Pit	C
765	Wood	Mineola #2-78	LT	08-78	S	IES,LL	449	115	7 7/8	Native	Pit	--
766	Wood	Quitman	LT	05-62	S	ES	1001	100	6 3/4	Native	--	--
767	Wood	Quitman Water #3	LT	06-62	S	ES	392	85	6 3/4	Native	Circ	--
768	Wood	Quitman Water #3	LT	06-62	S	ES	391	85	6 3/4	Native	Circ	--
769	Wood	United Gas Co	LT	07-57	S	ES	697	--	6 3/4	Native	Pit	--
770	Wood	W. Yantis WS #1	Pan Amer.	07-62	S	ES	311	<100	5	Nat Gel	--	--
771	Zavala	Crystal #8	McK	07-85	S	DIL	1060	105	13 3/4	Native	Pit	--

	Rm (ohm-m)	Temp. Rm (°F)	Rmf (ohm-m)	Temp. Rmf (° F)	Aquifer	SP (mv)	Ri_H (ohm-m)	Ri_L (ohm-m)	Ro_H (ohm-m)	Ro_L (ohm-m)	FFF_H	FFF_L
1	13.8	75	--	--	--	--	--	--	--	--	--	--
2	13.8	75	--	--	--	--	--	--	--	--	--	--
3	5.35	70	5	70	Wilcox	-20	25	--	25	--	5.6	--
4	7	60	5.8	62	Wilcox	-8	--	--	42	40	4	--
5	7	60	5.8	62	Wilcox	-8	--	--	42	40	4	--
6	--	--	--	--	--	--	--	--	--	--	--	--
7	11	88	11.5	88	Wilcox	--	--	--	--	--	--	--
8	14.6	70	11.3	74	Carrizo	-7	170	--	75	--	2	--
9	--	--	--	88	--	-19	58	--	43	--	2	--
10	9	70	--	--	--	--	--	--	--	--	--	--
11	9	70	--	--	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--	--	--	--
13	--	--	--	--	--	--	--	--	--	--	--	--
14	--	--	--	--	--	--	--	--	--	--	--	--
15	--	--	--	--	--	--	--	--	--	--	--	--
16	11.7	82	10	85	--	--	--	--	--	--	--	--
17	--	--	10.5	77	--	-16	160	--	18	--	3.4	--
18	--	--	10.5	77	--	-20	85	--	78	--	3.2	--
19	--	--	10.5	77	--	-15	138	--	128	--	7	--
20	11.7	82	10.5	77	Carrizo	-30	160	--	215	--	6	--
21	10	80	7.5	80	Wilcox	-19	53	--	120	100	7.5	6.3
22	21	70	13.2	70	Wilcox	-25	40	--	35	--	2.9	--
23	6.18	82	6.4	82	Wilcox	-31	24	--	22	20	4.5	4.2
24	10.7	64	10.9	64	Simsboro	-6	--	--	42	23	4.7	2.6
25	10.28	88	11.3	88	Wilcox	-19	51	47	40	38	5.8	--
26	10.28	88	11.3	88	Wilcox	-19	51	47	40	38	5.8	--
27	--	--	--	--	--	--	--	--	--	--	--	--
28	6.13	70	7.25	70	--	-15	36	34	30	26	3.4	2.4
29	8.2	--	--	--	--	--	--	--	--	--	--	--
30	9.5	80	--	--	--	--	--	--	--	--	--	--
31	7.79	79	--	--	--	3	--	--	40	25	2.2	1.4
32	7	91	6.1	104	--	-88	5	4	1	--	3	--
33	7	91	6.1	104	--	-40	20	15	13	10	5.1	4.1
34	7	91	6.1	104	--	-10	13	11	11	9	2.1	1.8
35	--	--	--	--	--	--	--	--	50	43	4.1	3.6
36	--	--	--	--	--	--	--	--	--	--	--	--
37	7.2	73	7.2	73	--	--	50+	--	40	--	3.5	--
38	5.1	75	3.7	75	--	40	49	44	42	38	3.8	3.5
39	3.9	85	6.1	85	--	--	50	--	55	--	5.8	--
40	5.85	85	6.2	75	--	10	70	--	80	--	6.5	--
41	--	12	--	--	--	--	--	--	--	--	--	--
42	4.62	72	3.83	70	--	-7	--	--	11	7	1.8	1
43	9	70	--	--	--	-20	--	--	70	--	4.8	--
44	3.85	75	3.48	75	--	-7	45	--	53	--	4.7	--
45	7.2	84	7.4	77	--	20	32	--	25	--	4.1	--
46	8.06	80	7.8	77	--	-27	43	35	50	45	6.5	--
47	7.22	75	6.5	77	--	11	--	--	75	--	5.3	--

	Rm (ohm-m)	Temp. Rm (°F)	Rmf (ohm-m)	Temp. Rmf (° F)	Aquifer	SP (mv)	Ri_H (ohm-m)	Ri_L (ohm-m)	Ro_H (ohm-m)	Ro_L (ohm-m)	FFF_H	FFF_L
48	5	85	5.35	77	--	8	--	--	35	--	6	5
49	5	85	3.5	120	--	-12	--	--	42	31	6.6	--
50	3.15	95	2.8	95	--	0	48	34	55	40	5	3.5
51	6.14	70	5.86	70	--	-20	--	--	41	31	4.3	3.2
52	6.98	75	6.77	75	--	15	--	--	50	43	5.1	4.4
53	4.1	78	3.3	78	--	--	--	--	--	--	--	--
54	10.1	75	7.5	75	--	-50	25	--	75	--	5	--
55	--	--	--	--	Simsboro	4	--	--	60	--	4.1	--
56	1.4	84	0.77	109	Trinity	13	--	--	35	--	8.7	--
57	4.9	62	--	--	--	--	--	--	--	--	--	--
58	--	--	--	--	--	--	--	--	--	--	--	--
59	4.5	80	--	--	Trinity	-35	--	--	47	36	13	--
60	--	--	--	--	--	--	--	--	--	--	--	--
61	10	--	--	--	Edwards	--	--	--	--	--	--	--
62	10	80	9.8	77	--	-20	--	--	28	22	4.6	3.6
63	--	--	--	--	--	--	--	--	--	--	--	--
64	--	--	--	--	--	--	--	--	--	--	--	--
65	--	--	--	--	Edwards	--	--	--	--	--	--	--
66	16.7	80	16.7	80	Edwards	--	--	--	--	--	--	--
67	6	80	--	--	--	--	--	--	--	--	--	--
68	10	57	9	57	Trinity	-5 to -10	--	--	43	34	10	7.7
69	--	16	--	--	--	--	--	--	--	--	--	--
70	18	70	--	--	Miocene	-39	--	--	21	--	3.6	--
71	5	104	--	--	Simsboro	--	--	--	--	--	--	--
72	2.1	85	--	--	Simsboro	3	--	--	29	--	5.1	--
73	8.27	75	8.58	80	Simsboro	20 to 25	23	20	33	28	4.9	4.1
74	4.67	75	3.2	78	Simsboro	6 to 13	35	28	45	32	5.8	4.1
75	4.87	80	1.95	78	Simsboro	10 to 15	--	--	50	30	6.7	3.7
76	2	80	5	82	Cook Mtn.	--	--	--	--	--	--	--
77	--	--	--	--	--	--	--	--	--	--	--	--
78	4.5	78	3.4	76	Simsboro	12	30	--	29	--	3.6	--
79	5	80	3.8	80	Simsboro	20	--	--	30	28	3.2	3
80	8.5	75	--	--	--	--	--	--	--	--	--	--
81	5.79	90	6.6	88	Simsboro	--	--	--	--	--	--	--
82	4.76	82	--	--	Sparta	37	--	--	11	--	2	--
83	--	--	--	--	Queen City	--	--	--	--	--	--	--
84	--	--	--	--	Simsboro	--	--	--	--	--	--	--
85	8.6	75	8	75	--	-45	22	--	18	--	4.5	--
86	12.6	73	--	--	Sparta	--	--	--	--	--	--	--
87	--	--	--	--	Queen City	--	--	--	55	--	2.8	--
88	--	--	--	--	--	--	--	--	--	--	--	--
89	--	--	--	--	Sparta	--	--	--	--	--	--	--
90	4.75	83	--	--	--	-14	--	--	40	--	1.7	--
91	3	102	--	--	Carrizo	12	--	--	14	--	5	--
92	--	--	--	--	Wilcox	--	--	--	--	--	--	--
93	2.3	101	--	--	Wilcox	3	--	--	23	13	--	--
94	0.74	75	0.73	75	Carrizo	-13	--	--	--	--	7.5	4.6

	Rm (ohm-m)	Temp. Rm (°F)	Rmf (ohm-m)	Temp. Rmf (° F)	Aquifer	SP (mv)	Ri_H (ohm-m)	Ri_L (ohm-m)	Ro_H (ohm-m)	Ro_L (ohm-m)	FFF_H	FFF_L
95	17	75	--	--	Carrizo	-8	--	--	52	34	1.5	--
96	18.6	80	--	--	Wilcox	-30	20	--	17	--	--	--
97	--	--	--	--	Carrizo	--	--	--	--	--	--	--
98	12.3	68	--	--	Reklaw	28 to 34	100	42	100	35	6	2.1
99	--	--	--	--	Wilcox	23	28	--	13	--	4	1.8
100	4.53	65	3.8	65	Carrizo	60	53	--	45	--	2.1	--
101	4.53	65	3.8	65	Carrizo	--	--	--	--	--	--	--
102	16	68	--	--	--	--	--	--	--	--	--	--
103	4.3	77	--	--	Wilcox	--	--	--	--	--	--	--
104	4.3	77	--	--	Carrizo	--	--	--	--	--	--	--
105	1.8	58	--	--	--	--	--	--	--	--	--	--
106	12.2	92	--	--	Carrizo	-24	4	--	70	--	4.5	--
107	16	68	--	--	Wilcox	--	--	--	--	--	--	--
108	16.1	75	--	--	Carrizo	--	--	--	--	--	--	--
109	12.4	61	11.8	61	Reklaw	-10 to -14	70	--	60	--	4.1	--
110	13	77	--	--	Reklaw	-30	140	75	110	50	5	2.3
111	9.9	70	--	--	Wilcox	-21	27	23	22	20	3.9	--
112	9.9	70	--	--	Wilcox	-24	24	22	22	20	4.1	3.7
113	12.8	83	12	83	Wilcox	-23	20	--	18	--	4	--
114	11	94	--	--	--	-36	--	--	60	--	4.6	--
115	11	94	13.4	77	Carrizo	-36	--	--	60	--	4.6	--
116	17	63	--	--	--	--	--	--	--	--	--	--
117	--	--	--	--	--	--	--	--	--	--	--	--
118	--	--	--	--	--	--	--	--	--	--	--	--
119	3.55	72	2.6	72	Paluxy?	-10 to -12	24	23	33	32	--	--
120	--	--	--	--	--	--	--	--	--	--	--	--
121	--	--	--	--	--	-15	26	--	20	--	3	--
122	2.3	78	--	--	Trinity	7	--	--	20	--	4.4	--
123	4.9	94	--	--	--	20 to 28	--	--	--	--	--	--
124	5.2	83	3.7	83	--	-27	37	35	40	37	--	--
125	2.3	78	--	--	--	--	--	--	--	--	--	--
126	3	78	--	--	Trinity	-14	--	--	20	16	--	--
127	3.8	58	3.1	57	--	--	--	--	--	--	--	--
128	3.72	72	2.53	75	Paluxy	18	--	--	--	--	--	--
129	17.1	84	--	--	Edwards	--	--	--	--	--	--	--
130	3	45	1.45	77	--	--	--	--	--	--	--	--
131	4.4	90	3.76	90	--	3 to 13	--	--	--	--	3.8	--
132	6.5	75	6.1	77	--	-18	--	--	--	--	--	--
133	5	70	6.6	70	--	-35	29	--	35	30	--	--
134	4.67	75	3.86	75	--	-16 to -17	--	--	34	--	7.5	--
135	6	83	--	--	Trinity	-15	--	--	37	30	--	--
136	5.6	74	4.8	84	Paluxy	17	10	--	43	40	5.5	--
137	--	--	--	--	Paluxy	-28	--	--	--	--	--	--
138	--	--	--	--	Trinity	--	--	--	--	--	--	--
139	--	--	9.3	37	Trinity	18	214	--	75	--	16	7.9
140	4.28	75	3.75	77	Trinity	-19	--	--	40	20	8.2	--
141	--	--	--	--	--	--	--	--	--	--	--	--

	Rm (ohm-m)	Temp. Rm (°F)	Rmf (ohm-m)	Temp. Rmf (° F)	Aquifer	SP (mv)	Ri_H (ohm-m)	Ri_L (ohm-m)	Ro_H (ohm-m)	Ro_L (ohm-m)	FFF_H	FFF_L
142	6	69	5	77	--	-12 to -15	--	--	--	--	--	--
143	4.4	45	1.6	77	Trinity	18	28	--	35	--	13	7.7
144	3.3	69	2.8	77	--	-20 to -12	--	--	--	--	--	--
145	9	70	--	--	Trinity	--	--	--	45	35	12.5	--
146	6.5	85	5.2	85	Paluxy	-25	--	--	--	--	--	--
147	7	63	3.9	90	Trinity	-18	--	--	--	--	--	--
148	7	68	5	77	Paluxy	-15 to -18	42	33	33	26	5.2	--
149	3.6	68	1.7	122	Paluxy?	28	--	--	20	14	--	--
150	5.41	88	5.49	75	Paluxy?	-21	23	1	20	--	--	--
151	4.57	82	3.29	82	Trinity	-4	--	--	45	37	6.5	4.9
152	6.31	63	4.64	63	Trinity	12	--	--	43	33	6.2	4.8
153	5.42	88	5.5	100	Paluxy?	-18	--	--	24	--	4.8	--
154	6.1	70	5	70	--	-28	--	--	40	--	8.2	--
155	5.3	89	5.1	77	--	20	--	--	--	--	--	--
156	4	68	3.3	77	Woodbine	-30	--	--	18	--	6	5
157	3.2	80	--	--	--	--	--	--	--	--	--	--
158	3.2	80	--	--	--	--	--	--	--	--	--	--
159	3.86	85	3.41	85	Woodbine	-15	--	--	27	--	7.4	--
160	3.7	80	--	--	Trinity	--	--	--	--	--	--	--
161	4.4	58	3.5	77	Trinity	-20	--	--	--	--	--	--
162	3.48	75	3.16	75	Trinity	-12	--	--	--	--	--	--
163	2.4	52	--	--	Trinity	-15	--	--	--	--	--	--
164	5.7	78	--	--	Paluxy	-20	--	--	--	--	--	--
165	3.2	75	3	77	--	-8	--	--	18	15	6	--
166	3.2	75	--	-	Woodbine	-8	--	--	--	--	--	--
167	3.2	75	3	--	Paluxy	-8	--	--	--	--	--	--
168	4.1	60	2.8	90	Trinity	11	--	--	--	--	--	--
169	4	57	--	--	--	--	18	--	15	--	--	--
170	4	57	--	--	--	--	--	--	--	--	--	--
171	3.23	73	--	--	Trinity	--	--	--	35	25	6	5
172	2.84	90	2.5	90	Trinity	-19	--	--	--	--	--	--
173	7.21	56	5.42	56	Trinity	-32	--	--	40	25	7.6	4.7
174	2.89	94	2.6	94	Trinity	-30	30	--	35	--	7	--
175	2	95	1.9	77	Paluxy	-16	13	--	11	--	7	--
176	4.5	78	4.2	77	Paluxy	-38	--	--	--	--	--	--
177	7.54	74	5.82	70	--	18	--	--	31	15	3.6	1.8
178	7.54	74	5.82	70	--	--	--	--	--	--	--	--
179	7.54	74	5.82	70	--	--	--	--	--	--	--	--
180	7.05	79	8.48	78	--	14 to 19	33	30	25	--	3	--
181	7.05	79	8.48	78	--	--	--	--	--	--	--	--
182	7.05	79	8.48	78	--	--	--	--	--	--	--	--
183	8.2	75	8.12	75	--	--	--	--	--	--	--	--
184	--	--	--	--	--	--	--	--	--	--	--	--
185	--	--	--	--	--	--	--	--	--	--	--	--
186	--	--	--	--	--	--	--	--	--	--	--	--
187	--	--	--	--	--	--	--	--	--	--	--	--
188	5.99	75	7.46	75	Trinity	-15	--	--	45	--	--	--

	Rm (ohm-m)	Temp. Rm (°F)	Rmf (ohm-m)	Temp. Rmf (° F)	Aquifer	SP (mv)	Ri_H (ohm-m)	Ri_L (ohm-m)	Ro_H (ohm-m)	Ro_L (ohm-m)	FFF_H	FFF_L
189	--	-	--	--	--	---	--	--	--	--	--	--
190	10	58	7.2	77	Trinity	-18	--	--	30	--	--	--
191	--	--	--	--	--	--	--	--	--	--	--	--
192	8.8	76	6.45	78	--	-32	--	--	45	20	--	--
193	--	--	--	--	Trinity	--	--	--	--	--	--	--
194	--	--	--	--	--	--	--	--	--	--	--	--
195	--	--	--	--	--	--	--	--	--	--	--	--
196	--	--	--	--	--	-17	--	--	--	--	--	--
197	2.85	79	2.25	77	Paluxy	10 to 12	--	--	--	--	--	--
198	2.77	76	2.12	76	--	--	--	--	--	--	--	--
199	8	68	6.9	77	Trinity	-23	--	--	--	--	--	--
200	--	--	--	--	Woodbine?	-35	--	--	14	--	5	--
201	5.6	60	3	77	Paluxy	7 to 10	--	--	44	18	--	--
202	6.25	83	5.38	83	Trinity	-30	--	--	25	22	7.5	6.6
203	--	--	--	--	--	-25	--	--	26	--	4.5	--
204	12.8	88	9.6	88	Paluxy?	-39	--	--	45	--	6.9	--
205	7.4	50	2.6	77	Trinity	-42	--	--	29	--	8.9	--
206	3.5	95	2.1	95	Trinity	--	--	--	--	--	--	--
207	4.18	78	2.85	95	Trinity	0	--	--	--	--	--	--
208	--	--	--	--	Paluxy	--	--	--	--	--	--	--
209	--	--	--	--	Trinity	--	--	--	--	--	--	--
210	10.8	64	7.94	64	--	-44	23	--	18	--	9.1	--
211	5.4	75	4	75	Paluxy?	-13	--	--	--	--	--	--
212	3.04	48	2.28	48	--	--	--	--	--	--	--	--
213	9.47	64	7.1	64	Carrizo	-25	--	--	350	200	19	11
214	5.35	83	5.05	83	Carrizo	-18 to -20	50	--	85	80	5.8	5.5
215	5.04	83	5.01	83	--	-16	65	52	250	190	16.9	11.3
216	4.7	76	4.21	77	--	-15	36	--	53	50	14.3	--
217	2.9	75	2.2	75	Carrizo	-5	29	--	40	--	7.9	--
218	4.2	60	--	--	--	-10	24	--	19	--	--	--
219	--	--	--	--	--	--	--	--	10	--	2.9	--
220	--	--	--	--	--	--	--	--	--	--	--	--
221	--	--	--	--	--	--	--	--	--	--	--	--
222	16	60	13	60	--	--	--	--	--	--	--	--
223	--	--	--	--	--	--	--	--	--	--	--	--
224	6.6	82	7	77	--	--	--	--	--	--	--	--
225	6.6	76	--	--	--	--	--	--	--	--	--	--
226	--	--	--	--	--	--	--	--	--	--	--	--
227	--	--	--	--	--	--	--	--	--	--	--	--
228	--	--	--	--	--	--	--	--	--	--	--	--
229	3.8	75	--	--	--	0	--	--	--	--	--	--
230	6.5	52	--	--	--	12	--	--	--	--	--	--
231	10.2	80	--	--	--	-20	--	--	32	--	1.8	--
232	3.6	72	--	--	--	--	--	--	--	--	--	--
233	9.54	58	3.94	59	--	--	30	--	27	--	--	--
234	9.54	58	3.94	59	--	-20	10	--	5	--	--	--
235	9.54	58	3.94	59	--	--	14	--	14	--	--	--

	Rm (ohm-m)	Temp. Rm (°F)	Rmf (ohm-m)	Temp. Rmf (° F)	Aquifer	SP (mv)	Ri_H (ohm-m)	Ri_L (ohm-m)	Ro_H (ohm-m)	Ro_L (ohm-m)	FFF_H	FFF_L
236	7.5	84	--	--	--	-20	12	--	12	--	--	--
237	7.5	84	--	--	--	-10	21	--	25	--	--	--
238	7.5	84	--	--	--	-15	15	--	17	--	--	--
239	1.36	74	--	--	--	--	14	--	20	--	--	--
240	1.36	74	--	--	--	-5?	7	--	12	--	--	--
241	1.36	74	--	--	--	-20 or -35	5	--	4	3	--	--
242	1.36	74	--	--	--	-24	5	--	3	--	--	--
243	--	--	--	--	--	--	--	--	--	--	--	--
244	--	--	--	--	Woodbine	-33	--	--	--	--	--	--
245	--	--	--	--	Woodbine?	0	--	--	25	--	5.6	--
246	--	--	--	--	Woodbine?	-17	--	--	19	--	8.5	--
247	5.85	54	5.6	68	Woodbine?	-32 to -35	--	--	17	15	6.5	--
248	4.16	85	3.17	75	--	-16	--	--	--	--	--	--
249	6.6	82	--	--	--	-30	22	--	18	--	--	--
250	3.98	85	2.98	85	Trinity	-12	28	--	34	--	5.3	--
251	3.5	70	2.1	92	Trinity	6 to -11	--	--	--	--	--	--
252	4.18	80	3.71	80	Woodbine	-22	--	--	25	21	5.1	--
253	3.76	78	3.2	75	Trinity	-5	--	--	25	--	5.9	--
254	--	--	--	--	--	--	--	--	--	--	--	--
255	18.9	76	17	77	--	-14	75	--	65	--	3.8	--
256	12.9	103	9.68	103	--	-15	100	--	85	--	5.1	--
257	12.5	80	--	--	--	-7	50	--	50	--	--	--
258	--	--	--	--	--	--	--	--	--	--	--	--
259	--	--	--	--	--	--	--	--	--	--	--	--
260	15.7	90	12.8	80	Trinity	-14	120	--	200	--	--	--
261	9.9	72	7.9	72	--	-32 to -40	--	--	75	--	5.7	--
262	--	--	--	--	--	--	--	--	--	--	--	--
263	--	--	--	--	--	--	--	--	--	--	--	--
264	3.14	82	2.69	82	Paluxy	-14	--	--	27	--	5.1	--
265	4.9	65	0.83	70	Paluxy	52	18	--	35	--	9.4	--
266	5.01	85	4.81	85	Woodbine	8	--	--	150	--	10.6	--
267	10.5	90	--	--	Paluxy?	-2	--	--	--	--	--	--
268	8	84	--	--	Carrizo	--	--	--	500	--	--	--
269	15	79	--	--	--	--	--	--	--	--	--	--
270	8.43	83	--	--	--	--	--	--	--	--	--	--
271	6	96	--	--	Calvert Bluff	-7	40	--	36	--	2.9	--
272	6	96	7	77	Carrizo	-24	40	--	40	--	6.5	--
273	6	96	7	77	Calvert Bluff	-7	23	--	20	--	2.8	--
274	5.9	77	--	--	Hooper	-12	--	--	75	--	2.1	--
275	5.9	77	--	--	Hooper	-13 to -23	--	--	70	--	2	--
276	15.1	90	14	90	Hooper	--	--	--	--	--	--	--
277	8.67	70	--	--	--	--	--	--	--	--	--	--
278	8.67	70	--	--	--	-23	--	--	45	38	2.5	2.5
279	8.67	70	--	--	--	-9	60	--	75	--	4.2	--
280	21	74	8.5	74	--	-22	--	--	55	--	2.6	--
281	9.6	76	6.3	76	Hooper	--	--	--	--	--	--	--
282	12.9	75	17	76	Simsboro	--	--	--	--	--	--	--

	Rm (ohm-m)	Temp. Rm (°F)	Rmf (ohm-m)	Temp. Rmf (°F)	Aquifer	SP (mv)	Ri_H (ohm-m)	Ri_L (ohm-m)	Ro_H (ohm-m)	Ro_L (ohm-m)	FFF_H	FFF_L
283	12.9	75	17	76	Hooper	--	--	--	--	--	--	--
284	12.9	75	17	76	Hooper	-15	60	50	50	--	2	--
285	17.1	90	8.76	90	Hooper	-20 to -23	72	49	60	38	--	--
286	24.3	75	25	75	Hooper	-20	48	33	40	28	2.7	1.9
287	24.3	75	25	75	--	-24	47	--	40	--	2.1	--
288	24.3	75	25	75	--	-18	--	--	40	27	2	1.4
289	9.63	55	6.26	56	Carrizo	-26	11	--	140	100	11.2	8
290	5.8	82	--	--	--	-20	70	62	80	75	6	5.6
291	8.6	75	6.45	75	--	-20 to -30	50	--	70	--	6	--
292	11	80	--	--	--	-10	50	--	50	--	--	--
293	12	83	--	--	--	--	--	--	--	--	--	--
294	--	--	--	--	--	--	--	--	--	--	--	--
295	2.2	70	--	--	--	-40	6	5	4	3	--	--
296	4.05	80	--	--	--	-80	--	--	--	--	--	--
297	--	--	--	--	--	--	--	--	--	--	--	--
298	2.9	105	4.3	78	Carrizo	25	67	55	250	--	6	--
299	--	--	--	--	--	--	--	--	--	--	--	--
300	9.08	92	--	--	--	46	--	--	110	--	5.9	--
301	7.4	73	--	--	--	--	--	--	--	--	--	--
302	8	76	--	--	Carrizo	25	--	--	48	20	5.9	--
303	2.1	82	1.2	140	--	40	--	--	60	--	3.6	--
304	11	72	8.1	75	--	-17	75	--	60	--	--	--
305	11	72	8.1	75	--	--	--	--	--	--	--	--
306	3.56	73	--	--	--	--	--	--	--	--	--	--
307	3.56	73	--	--	--	--	--	--	--	--	--	--
308	14	40	6.9	81	--	--	--	--	--	--	--	--
309	14	40	6.9	81	--	-28	25	--	23	--	--	--
310	--	--	--	--	--	--	--	--	--	--	--	--
311	6.6	70	6	75	Woodbine?	-18	55	--	70	--	8.5	--
312	4.3	73	--	--	Woodbine	--	--	--	--	--	--	--
313	5	80	5.33	75	Woodbine	0	77	--	145	--	--	--
314	5	80	5.33	75	Woodbine	--	--	--	--	--	--	--
315	--	--	--	--	--	--	--	--	--	--	--	--
316	5.3	83	--	--	Woodbine	-22	37	34	36	30	3.3	2.8
317	6.78	69	6	69	Woodbine	-3	--	--	32	23	5.1	3.7
318	--	--	--	--	--	--	--	--	--	--	--	--
319	8.5	83	6.6	76	Woodbine	-12	60	--	85	--	4.4	--
320	6	97	6.6	76	Woodbine	-34	37	--	32	--	5.2	--
321	--	--	5.5	77	Trinity	-33	49	--	41	--	3.2	--
322	--	--	--	--	Woodbine	--	--	--	--	--	--	--
323	3.7	80	3.15	77	Woodbine	-5 to -15	26	13	37	13	5.5	1.9
324	5.5	75	--	--	Woodbine	--	--	--	--	--	--	--
325	5.8	75	--	--	Woodbine	--	--	--	--	--	--	--
326	4	92	--	--	--	12	--	--	100	--	5	--
327	--	--	--	--	--	--	--	--	--	--	--	--
328	7.85	72	9.5	72	Woodbine	-13	--	--	58	--	5.1	--
329	--	--	--	--	Woodbine	--	--	--	--	--	--	--

	Rm (ohm-m)	Temp. Rm (°F)	Rmf (ohm-m)	Temp. Rmf (° F)	Aquifer	SP (mv)	Ri_H (ohm-m)	Ri_L (ohm-m)	Ro_H (ohm-m)	Ro_L (ohm-m)	FFF_H	FFF_L
330	5.65	76	5.89	75	--	-13	--	--	28	12	--	--
331	5.21	89	--	--	--	-13	--	--	28	12	--	--
332	5.7	71	4.3	71	--	-29	--	--	75	35	7	3.3
333	3.5	81	--	--	--	15	--	--	10	--	1.5	--
334	3.5	81	3.47	77	--	-7	--	--	6	--	2.5	--
335	3.8	65	--	--	--	-19	7	--	15	--	3.5	--
336	5.14	68	5	68	--	12	27	--	23	--	1.4	--
337	--	--	--	--	--	-35	16	--	13	--	--	--
338	12	64	--	--	Carrizo	0	--	--	23	19	2.7	2.3
339	14	65	11.3	65	--	-24	50	--	50	40	--	--
340	14	65	11.3	65	--	-35	23	--	18	--	--	--
341	14	65	11.3	65	--	-35	23	--	18	--	--	--
342	6.67	68	--	--	--	-10	12	--	12	--	--	--
343	6.67	68	--	--	--	-20	50	--	50	--	--	--
344	6.67	68	--	--	--	-20	14	--	13	--	--	--
345	6.67	68	7.1	68	Carrizo	20 to 25	100	--	120	--	1.8	--
346	4.26	72	--	--	--	-12	25	--	27	--	2.7	--
347	21.8	78	--	--	--	--	--	--	--	--	--	--
348	4.4	77	--	--	--	0	5	--	7	--	--	--
349	8.5	--	--	--	--	--	--	--	--	--	--	--
350	7.76	80	5.32	81	--	28	70	66	170	160	5.7	--
354	--	--	--	--	--	--	--	--	--	--	--	--
352	15.1	75	11.3	75	--	--	--	--	--	--	--	--
353	--	--	--	--	--	--	--	--	--	--	--	--
354	--	--	--	--	--	--	--	--	--	--	--	--
355	7	75	--	--	--	-25	40	--	30	25	--	--
356	13.73	75	10.98	75	--	-5	--	--	70	--	3.8	--
357	10.9	85	13.3	75	--	-10	--	--	60	40	4.9	3.3
358	13.8	68	--	--	--	-30 to -35	13	--	10	--	--	--
359	11.5	75	9.8	75	--	-7	--	--	65	50	3.3	2.5
360	16.3	75	10.6	75	--	-5 to -10	--	--	--	--	--	--
361	3.2	75	2.7	75	--	-18	--	--	50	--	2.9	--
362	17.6	75	13.2	75	Miocene	-27	--	--	125	100	5	4
363	20.63	75	18.59	75	--	-15	--	--	70	--	3.5	--
364	17.38	75	14.77	75	--	-20 to -27	70	--	125	100	5.5	4.4
365	8	75	--	--	--	--	--	--	--	--	--	--
366	7	62	--	--	--	-20	23	--	21	--	--	--
367	7	62	--	--	--	--	--	--	--	--	--	--
368	0.55	70	0.4	70	--	-15	--	--	--	--	28	22
369	0.55	70	0.4	70	--	-29	5	4	5	4	10	9
370	10	75	10	75	--	-12	--	--	--	--	--	--
371	7.65	67	--	--	--	-13	25	--	40	--	--	--
372	7.65	67	--	--	--	--	--	--	--	--	--	--
373	5.6	84	--	--	--	-20	28	--	23	--	3.3	2.7
374	10	87	--	--	--	-22	45	--	27	--	3.7	--
375	10	87	--	--	--	-24	13	--	13	--	--	--
376	14.2	60	--		Wilcox	-12	80	--	70	--	1	--

	Rm (ohm-m)	Temp. Rm (°F)	Rmf (ohm-m)	Temp. Rmf (°F)	Aquifer	SP (mv)	Ri_H (ohm-m)	Ri_L (ohm-m)	Ro_H (ohm-m)	Ro_L (ohm-m)	FFF_H	FFF_L
377	14.2	60	--	--	Wilcox	-44	80	--	27	--	1.5	--
378	10	80	7.5	80	Wilcox	-18	--	--	30	25	1	--
379	21.2	75	24.1	75	Wilcox	-40	67	--	58	--	2.8	--
380	14.2	85	--	--	Wilcox	--	--	--	--	--	--	--
381	17.9	75	--	--	Queen City	25	6	--	100	80	2.3	1.8
382	9.2	75	--	--	Wilcox	-15	50	38	50	35	3.2	2.2
383	11.2	61	10.1	62	Wilcox	15 to 17	--	--	50	32	3.3	2.1
384	9.34	75	6.8	100	Wilcox	11	1	--	65	41	2.2	1.4
385	--	--	--	--	Wilcox	--	--	--	--	--	--	--
386	7	80	--	--	Wilcox	-10	52	50	43	40	1.2	--
387	4.6	70	--	--	Wilcox	-12	70	40	38	35	1.2	1.1
388	12	85	16.3	80	Wilcox	-27	90	--	80	--	1.8	--
389	10	80	--	--	Wilcox	-8	--	--	60	--	2	--
390	11.6	69	9.4	71	Wilcox	--	--	--	43	--	3.3	--
391	8	93	--	--	--	-30	13	--	8	--	--	--
392	8	93	--	--	--	-30	14	--	9	--	--	--
393	3.8	80	3.8	80	--	0 to 15	19	14	17	13	--	--
394	2.2	90	--	--	--	--	--	--	--	--	--	--
395	2.2	90	--	--	--	--	--	--	--	--	--	--
396	2.2	90	--	--	--	-10	7	--	6	--	--	--
397	2.2	90	--	--	--	5	9	--	8	--	--	--
398	0.93	75	1.2	75	--	15	24	12	38	19	--	--
399	2	96	--	--	--	-15	12	--	11	--	--	--
400	--	--	--	--	--	--	--	--	--	--	--	--
401	--	--	--	--	Carrizo	-2	22	--	26	--	3.7	--
402	--	--	--	--	--	--	--	--	--	--	--	--
403	2.95	79	2.6	79	--	8	12	--	30	--	3.5	--
404	--	--	--	--	--	15	--	--	45	--	3.9	--
405	3.54	77	3.1	77	Trinity	22	45	--	53	--	4.5	--
406	6.28	55	4.7	55	Trinity	9	--	--	--	--	4.4	--
407	7.68	82	8.26	80	Carrizo	-22	--	--	110	--	3.1	--
408	8	85	11	85	Trinity	-12	--	--	35	--	2.1	--
409	8	85	11	85	--	--	--	--	--	--	--	--
410	9.2	78	--	--	Carrizo	-7	80	60	85	70	4.4	--
411	2.1	94	--	--	--	--	--	--	15	--	--	--
412	--	--	--	--	--	--	--	--	--	--	--	--
413	--	--	--	--	--	--	--	--	--	--	--	--
414	--	--	--	--	--	--	--	--	--	--	--	--
415	--	--	--	--	--	--	--	--	--	--	--	--
416	5.85	65	5.23	65	Woodbine?	-18	22	--	29	--	5	--
417	--	--	--	--	Woodbine?	--	--	--	20	--	4	--
418	--	--	--	--	Woodbine?	--	--	--	12	--	5.5	--
419	8.5	66	7.83	64	Paluxy	-30	31	--	26	--	5.5	--
420	4	81	--	--	--	0	22	14	20	15	--	--
421	1.35	80	2	75	--	-80	1	--	--	--	--	--
422	1	89	--	--	--	-80	1	--	--	--	--	--
423	12.3	85	--	--	--	--	50	35	57	35	--	--

	Rm (ohm-m)	Temp. Rm (°F)	Rmf (ohm-m)	Temp. Rmf (°F)	Aquifer	SP (mv)	Ri_H (ohm-m)	Ri_L (ohm-m)	Ro_H (ohm-m)	Ro_L (ohm-m)	FFF_H	FFF_L
424	11.9	75	--	--	--	-7	120	68	100	50	1.7	--
425	12.9	60	--	--	--	-50 to -70	2	--	1	1	--	--
426	1.8	93	0.55	85	--	10	6	--	5	--	--	--
427	1.8	93	0.55	85	--	0	7	--	6	--	--	--
428	1.8	93	0.55	85	--	7	4	--	3	--	--	--
429	1.8	93	0.55	85	--	20	11	--	15	--	--	--
430	1.12	82	--	--	--	6	9	--	8	--	--	--
431	1.12	82	--	--	--	8	5	--	5	--	--	--
432	0.6	81	--	--	--	-3	2	--	2	--	--	--
433	4.22	91	5.94	85	--	-5 to -15	70	12	60	12	--	--
434	2.5	90	--	--	--	5	7	--	5	--	--	--
435	2.5	90	--	--	--	15	9	6	10	6	--	--
436	--	--	--	--	--	--	--	--	--	--	--	--
437	--	--	--	--	Trinity	--	--	--	--	--	--	--
438	3	75	2.4	75	--	--	--	--	--	--	--	--
439	--	--	--	--	--	--	--	--	--	--	--	--
440	--	--	--	--	--	--	--	--	--	--	--	--
441	--	--	--	--	--	--	--	--	--	--	--	--
442	--	--	--	--	--	--	--	--	--	--	--	--
443	--	--	--	--	--	--	--	--	--	--	--	--
444	--	--	--	--	--	--	--	--	--	--	--	--
445	--	--	--	--	Paluxy	--	--	--	--	--	--	--
446	15.08	79	11	79	Trinity	-40	--	--	--	--	--	--
447	--	--	--	--	--	--	--	--	--	--	--	--
448	10	84	7.5	84	--	-17	--	--	35	--	3.8	--
449	10+	85	--	--	Trinity	--	--	--	--	--	--	--
450	6.4	75	--	--	--	--	--	--	--	--	--	--
451	3.69	81	3.4	81	--	--	--	--	13	--	9	--
452	2.1	90	--	--	--	-10	16	10	11	7	--	--
453	2.1	90	--	--	--	-5 to -15	18	6	12	5	--	--
454	2.1	90	--	--	--	-15	12	4	8	4	--	--
455	2.1	90	--	--	--	-18	7	--	5	--	--	--
456	2.2	78	2	75	--	-5	6	--	4	--	--	--
457	2.2	78	2	75	--	7	8	6	6	5	--	--
458	2.2	78	2	75	--	5	--	--	6	5	--	--
459	3	82	--	--	--	-30	12	--	7	--	--	--
460	3	82	--	--	--	-20	10	--	7	5	--	--
461	3.08	81	--	--	--	-5	12	--	8	--	--	--
462	2.67	75	--	--	--	-5	13	--	13	--	--	--
463	1.44	92	1.01	92	--	10	--	--	20	--	5.4	--
464	4.8	64	5	75	--	--	--	--	--	--	--	--
465	3.2	75	2.4	75	Carrizo	-22	38	--	80	--	8.4	--
466	9	83	--	--	--	-25	39	31	48	40	6	5
467	6	70	--	--	--	10	42	--	65	--	7.4	--
468	4.5	86	--	--	--	-4 to -12	22	18	35	25	6.6	4.7
469	8.4	67	--	--	--	-5	25	--	20	--	--	--
470	7	78	--	--	--	--	--	--	--	--	--	--

	Rm (ohm-m)	Temp. Rm (°F)	Rmf (ohm-m)	Temp. Rmf (° F)	Aquifer	SP (mv)	Ri_H (ohm-m)	Ri_L (ohm-m)	Ro_H (ohm-m)	Ro_L (ohm-m)	FFF_H	FFF_L
471	5.72	84	4.4	84	--	--	--	--	--	--	--	--
472	4.77	75	3.96	75	--	--	--	--	--	--	--	--
473	--	--	--	--	--	--	--	--	50	45	2.6	2.3
474	6.99	73	5.4	73	--	-25	--	--	28	--	4.2	--
475	--	--	--	--	--	--	--	--	--	--	--	--
476	--	--	--	--	--	--	--	--	64	53	15.6	13
477	--	--	--	--	Simsboro	--	--	--	64	53	15.6	13
478	5.6	90	4.2	90	--	15 to 20	40	35	80	60	3.4	2.5
479	11.2	--	--	--	Hooper	--	--	--	28	--	0.9	--
480	9.25	72	8.75	72	--	3	--	--	60	40	4.6	3
481	25.7	62	--	--	Simsboro	-20	--	--	--	--	--	--
482	--	--	--	--	--	-45 to -30	--	--	--	--	23	15
483	12.3	57	--	--	--	-20 to -15	80	--	145	--	2.6	--
484	1.4	84	--	--	Carrizo	-18	--	--	40	--	4	--
485	3.87	77	--	---	--	-5	25	--	21	18	--	--
486	11.6	88	13.3	88	Wilcox	-25	--	--	15	--	2.6	--
487	13	70	--	--	--	--	--	--	--	--	--	--
488	13	70	--	--	--	--	--	--	--	--	--	--
489	--	--	--	--	--	--	--	--	--	--	--	--
490	3.4	74	2.9	96	--	--	--	--	--	--	--	--
491	10.8	61	2.3	64	Hickory?	--	--	--	--	--	--	--
492	5.76	85	5.24	86	Hickory	--	--	--	--	--	--	--
493	5	60	3.8	60	--	--	--	--	--	--	--	--
494	2.4	75	--	--	--	--	--	--	--	--	--	--
495	1.65	70	1.39	70	Hickory	-10	--	--	--	--	--	--
496	5.2	78	4.7	77	--	-20	--	--	--	--	--	--
497	6	62	--	--	Trinity	-23	--	--	--	--	--	--
498	4.8	70	2.8	110	Trinity	-3	--	--	50	--	--	--
499	--	--	--	--	--	--	--	--	--	--	--	--
500	--	--	--	--	--	--	--	--	--	--	--	--
501	3.6	60	--	--	Trinity	--	--	--	--	--	--	--
502	--	--	--	--	Glen Rose	--	--	--	--	--	--	--
503	8.98	76	6.18	76	Trinity	-25	--	--	--	--	--	--
504	1.95	88	--	--	--	12	27	22	38	25	--	--
505	5	82	2.9	100	Trinity	15 to 17	--	--	--	--	--	--
506	9.36	68	--	--	Trinity	-30 to 3	--	--	--	--	--	--
507	4.6	80	--	--	Trinity	-22	--	--	35	22	--	--
508	4.2	65	3.8	65	Paluxy?	-30	--	--	--	--	--	--
509	6	50	--	--	--	-10	--	--	45	40	--	--
510	6	50	--	--	--	-7	20	15	15	10	--	--
511	4	80	--	--	--	--	--	--	--	--	--	--
512	2.2	68	--	--	Glen Rose	--	--	--	--	--	--	--
513	2.6	65	2.2	65	Trinity	-18	--	--	--	--	--	--
514	4.1	90	--	--	Trinity	-10 to -15	--	--	--	--	--	--
515	0.18	75	0.14	75	--	--	--	--	--	--	--	--
516	--	--	--	--	--	-40	--	--	--	--	--	--
517	6	60	7.06	77	Queen City	-37	5	--	4	--	4.2	--

	Rm	Temp. Rm	Rmf	Temp. Rmf	Aquifer	SP	Ri_H	Ri_L	Ro_H	Ro_L	FFF_H	FFF_L
	(ohm-m)	(°F)	(ohm-m)	(°F)		(mv)	(ohm-m)	(ohm-m)	(ohm-m)	(ohm-m)		
518	3.2	91	3.4	80	Carrizo	-15	--	--	32	--	6	--
519	3.84	84	--	--	--	-10	25	23	27	25	--	--
520	2.58	85	2	75	Carrizo	30	36	33	42	40	2.7	2.6
521	2.89	80	1.96	70	Carrizo	12	23	22	30	27	4.7	4.2
522	1.2	110	--	--	--	-7	25	--	35	--	6.5	--
523	3.2	70	--	--	Carrizo	-10	28	--	32	--	7.3	--
524	3.82	82	3.23	82	Edwards	--	--	--	--	--	--	--
525	7.5	68	6.2	77	Simsboro	--	--	--	110	70	3.6	2.3
526	10+	75	10+	75	--	-33	--	--	105	--	2.5	--
527	5.02	75	3.4	100	--	-8	--	--	--	--	--	--
528	3.2	80	--	--	Buda	-20	14	--	16	--	16.8	--
529	3.2	80	2.7	77	Sligo & Hosston	-25	32	24	22	20	--	--
530	3.8	92	3.2	100	--	-45	32	24	13	11	--	--
531	3.8	92	3.2	100	--	-30	26	--	22	--	--	--
532	--	--	--	--	--	-10	--	--	70	50	2.7	1.9
533	25.7	68	14	100	Hooper	-17	40	33	33	30	5.3	4.8
534	--	--	--	--	Hooper	--	--	--	30	25	1.7	1.5
535	--	--	--	--	Simsboro	-20	--	--	145	45	5.8	1.8
536	17.16	75	12.87	75	--	-6	--	--	80	30	4	2.3
537	22.1	75	18.8	75	--	-15 to -18	60	35	45	25	3	--
538	32	78	--	--	--	-16	36	--	30	--	2.1	--
539	--	--	--	--	--	--	--	--	--	--	--	--
540	8.44	70	7.3	70	--	-18	--	--	45	--	--	--
541	8.9	90	10.1	88	--	--	--	--	--	--	--	--
542	8.9	90	10.1	88	--	--	--	--	--	--	--	--
543	--	--	--	--	--	-13	40	30	30	20	2.1	1.4
544	13	--	--	--	--	-22	30	25	27	16	3.6	2.1
545	--	--	--	--	--	--	--	--	73	--	3.5	--
546	9.2	72	7.8	72	--	--	--	--	--	--	--	--
547	9.2	72	7.8	72	--	--	--	--	--	--	--	--
548	2.4	75	1.98	75	Woodbine	-10	25	--	33	--	--	--
549	--	--	--	--	Woodbine	--	--	--	18	--	5.3	--
550	11	65	--	--	--	8	160	--	150	100	3.6	2.4
551	1.7	85	--	--	--	-10	17	--	13	--	--	--
552	1.7	85	--	--	--	-10	12	--	10	--	--	--
553	7.78	78	--	--	Carrizo	--	--	--	75	--	3.8	--
554	9.1	72	55	72	--	-20	5	--	5	--	--	--
555	9.1	72	55	72	--	-20	5	--	5	--	--	--
556	--	--	--	--	--	--	--	--	--	--	--	--
557	7	92	--	--	--	--	--	--	--	--	--	--
558	8.45	70	--	--	--	-19	--	--	30	--	3.7	--
559	--	--	--	--	--	--	--	--	--	--	--	--
560	5.01	84	--	--	--	-11	12	--	--	--	2.2	--
561	7	82	--	--	--	-16	28	15	22	9	4.2	--
562	7	82	--	--	--	-16	28	15	22	9	4.2	--
563	--	--	--	--	--	-5 to -10	6	3	6	4	--	--
564	--	--	--	--	Woodbine	-15	23	--	17	--	--	--

	Rm (ohm-m)	Temp. Rm (°F)	Rmf (ohm-m)	Temp. Rmf (°F)	Aquifer	SP (mv)	Ri_H (ohm-m)	Ri_L (ohm-m)	Ro_H (ohm-m)	Ro_L (ohm-m)	FFF_H	FFF_L
565	6.2	75	--	--	Woodbine	-10	--	--	--	--	--	--
566	--	--	--	--	--	--	--	--	--	--	--	--
567	--	--	--	--	--	--	--	--	--	--	--	--
568	--	--	--	--	--	--	--	--	--	--	--	--
569	10+	86	10+	86	Simsboro	-15	70	--	--	--	9.5	--
570	8.5	85	--	--	Simsboro	-12	42	37	150	110	11.7	7.8
571	--	--	--	--	Simsboro	--	--	--	31	21	2.5	1.7
572	--	--	--	--	--	--	--	--	78	65	2.6	2.1
573	10	75	10	75	Simsboro	-8	--	--	42	--	2	--
574	7.73	80	11.2	80	--	-19	38	35	32	28	--	--
575	8.26	74	8.05	75	--	-45	10	--	7	--	--	--
576	7.44	84	10.2	84	--	-40	8	--	7	--	--	--
577	7.44	84	10.2	84	--	--	--	--	--	--	--	--
578	13.2	77	12.4	77	Wilcox	-7	42	39	40	33	3.4	3
579	15.2	75	--	--	Wilcox	--	--	--	--	--	--	--
580	7.4	83	8.3	86	Wilcox	--	--	--	--	--	--	--
581	15.1	73	14.2	72	Wilcox	17	--	--	75	55	3.2	2.3
582	13.4	73	10.8	70	Wilcox	22	3	--	30	--	2.9	--
583	13.7	77	--	--	Wilcox	--	--	--	--	--	---	--
584	4	60	--	--	--	--	--	--	--	--	--	--
585	7.4	68	8.3	67	Wilcox	--	--	--	--	--	--	--
586	4.6	77	--	--	--	-20	22	--	15	--	--	--
587	4.6	77	--	--	--	--	--	--	--	--	--	--
588	4.6	77	--	--	--	-20	28	20	18	15	--	--
589	4.6	77	--	--	--	-30	27	--	12	--	--	--
590	10+	70	10+	70	--	-42	15	--	12	10	--	--
591	11.7	78	--	--	Wilcox	-15 to -20	43	--	35	--	2	--
592	--	--	--	--	--	--	--	--	--	--	--	--
593	21	87	23	90	--	--	--	--	--	--	--	--
594	8.09	88	8	88	--	--	--	--	--	--	--	--
595	--	--	--	--	--	--	--	--	--	--	--	--
596	--	--	--	--	--	--	--	--	--	--	--	--
597	6.72	75	4.7	75	--	--	--	--	--	--	--	--
598	--	--	--	--	--	--	--	--	--	--	--	--
599	11	59	8	75	--	--	--	--	--	--	--	--
600	11	59	8	75	--	--	--	--	--	--	--	--
601	6.72	75	4.7	75	--	--	--	--	--	--	--	--
602	8.65	57	7	75	--	--	--	--	--	--	--	--
603	8.44	65	8.02	65	--	--	--	--	--	--	--	--
604	8.71	70	9.3	75	--	--	--	--	--	--	--	--
605	12.1	78	9.1	78	--	-30	28	20	22	17	--	--
606	11.3	69	9.8	75	--	--	--	--	--	--	--	--
607	3.2	84	--	--	--	-10	14	--	10	--	--	--
608	3.2	84	--	--	--	-10	14	--	10	--	--	--
609	3.2	84	--	--	--	-10	11	--	9	--	--	--
610	3.2	84	--	--	--	-15	14	--	10	--	--	--
611	3.5	90	--	--	--	-7	30	--	20	18	--	--

	Rm (ohm-m)	Temp. Rm (°F)	Rmf (ohm-m)	Temp. Rmf (° F)	Aquifer	SP (mv)	Ri_H (ohm-m)	Ri_L (ohm-m)	Ro_H (ohm-m)	Ro_L (ohm-m)	FFF_H	FFF_L
612	5.42	86	--	--	--	--	--	--	--	--	--	--
613	5.42	86	--	--	--	--	--	--	--	--	--	--
614	5.42	86	--	--	--	--	--	--	--	--	--	--
615	4.7	78	3.5	97	Wilcox	-25	30	--	20	--	3	--
616	--	--	--	--	--	--	--	--	--	--	--	--
617	--	--	--	--	--	--	--	--	--	--	--	--
618	10.9	82	--	--	Wilcox	-13	55	--	60	45	4	--
619	8.7	78	--	--	--	--	--	--	--	--	--	--
620	10.5	75	10.5	75	Wilcox	-20	--	--	22	18	3.1	2.5
621	--	--	--	--	--	--	--	--	--	--	--	--
622	--	--	--	--	--	--	--	--	--	--	--	--
623	10	70	7.5	70	Carrizo	-3	165	130	220	120	6.9	3.8
624	5.2	80	3.8	80	Carrizo	-28	100	--	360	160	7.9	3.5
625	10+	90	10+	90	--	--	--	--	115	80	10	7
626	19.3	72	--	--	Queen City	--	--	--	--	--	--	--
627	16.2	77	--	--	Queen City	--	--	--	--	--	--	--
628	--	--	--	--	Carrizo	-23	--	--	50	--	2.5	--
629	--	--	--	--	--	--	--	--	--	--	--	--
630	10+	42	10+	42	Wilcox	-20	--	--	--	--	--	--
631	14.8	95	--	--	Wilcox	-28	160	133	210	64	6	4.4
632	14.8	95	--	--	Wilcox	-28	160	133	210	64	6	4.4
633	10+	50	10+	50	--	--	--	--	--	--	--	--
634	10+	45	10+	45	Wilcox	-13	68	--	90	--	4.6	--
635	9.1	93	--	--	--	--	--	--	--	--	--	--
636	1.74	78	--	--	Queen City	--	--	--	--	--	--	--
637	--	--	--	--	--	--	--	--	--	--	--	--
638	15	65	--	--	Wilcox	-25	--	--	25	19	2.5	1.9
639	7.24	80	--	--	Wilcox	-13	--	--	20	17	3.8	3.2
640	12	72	--	--	--	--	--	--	--	--	--	--
641	37.	64	--	--	Queen City	--	--	--	--	--	--	--
642	39	66	--	--	Queen City	-30	500	200	240	180	8.3	4.5
643	39	66	--	--	Queen City	--	--	--	240	--	4.5	--
644	--	--	--	--	Carrizo	--	200	--	200	--	5	--
645	18.7	94	18.1	92	Wilcox	-12	37	32	100	75	4.5	3.4
646	15.3	45	15.5	55	Wilcox	-8	52	50	45	42	1.8	--
647	10	75	--	--	Wilcox	-21	34	--	30	--	4	--
648	4.4	75	--	--	--	-22	--	--	37	--	--	--
649	14.1	82	12	83	Carrizo	-28	170	--	180	--	4.4	--
650	20.7	79	16.9	82	Carrizo	-10	--	--	200	--	4.4	--
651	10.7	72	11.3	72	--	--	--	--	250	--	7	--
652	10.7	72	11.3	72	Queen City	--	--	--	--	--	--	--
653	13.7	75	8.1	75	Glen Rose	-20	--	--	55	--	4.2	--
654	3.2	65	--	--	Trinity	-10	65	--	78	65	6.1	5.1
655	--	--	--	--	--	--	--	--	--	--	--	--
656	--	--	--	--	--	--	--	--	--	--	--	--
657	--	--	--	--	--	--	--	--	--	--	--	--
658	--	--	--	--	Paluxy	--	--	--	--	--	--	--

	Rm (ohm-m)	Temp. Rm (°F)	Rmf (ohm-m)	Temp. Rmf (°F)	Aquifer	SP (mv)	RI_H (ohm-m)	RI_L (ohm-m)	Ro_H (ohm-m)	Ro_L (ohm-m)	FFF_H	FFF_L
659	--	--	--	--	--	--	--	--	--	--	--	--
660	--	--	--	--	Paluxy	--	--	--	--	--	--	--
661	7.6	79	--	--	Paluxy	-14	--	--	50	15	5.4	1.6
662	6.55	78	4.33	78	Trinity	-25	8	--	39	25	5.9	3.8
663	7.8	85	4.06	85	Trinity	-25	--	--	45	30	6	4
664	5.8	81	4.9	95	Trinity	-32	--	--	37	--	6	--
665	5.3	90	--	--	Paluxy	-29	6	--	34	--	4.1	--
666	--	--	--	--	Trinity	8	--	--	35	25	8.6	6.1
667	8.6	85	7.2	65	Trinity	-40 to -44	--	--	--	--	--	--
668	9.6	74	7.1	74	Trinity	-33	--	--	--	--	--	--
669	--	--	--	--	Paluxy	--	--	--	--	--	--	--
670	--	--	--	--	Woodbine?	--	--	--	15	--	6.5	--
671	7.8	87	6	87	--	-42	--	--	--	--	--	--
672	7.18	74	6.44	74	Trinity	40	38	--	30	--	6.7	--
673	1	75	--	--	Trinity	25	--	--	--	--	--	--
674	5.83	84	4.71	79	Trinity	-29	--	--	--	--	--	--
675	8	80	8	77	Paluxy	--	--	--	--	--	--	--
676	11.6	61	8.7	61	--	-48	--	--	28	--	7.6	--
677	11.6	61	8.7	61	--	-48	--	--	28	--	7.6	--
678	3.77	73	3.1	73	--	-15	38	30	30	25	--	--
679	3.65	75	2.74	75	--	--	--	--	--	--	--	--
680	5.3	94	5.1	94	--	--	--	--	--	--	--	--
681	10.7	64	10.9	64	--	--	--	--	--	--	--	--
682	--	--	--	--	--	--	--	--	--	--	--	--
683	--	--	--	--	--	--	--	--	--	--	--	--
684	9.2	79	--	--	--	-15	28	--	26	--	--	--
685	9.2	79	--	--	--	--	--	--	--	--	--	--
686	7.9	86	--	--	--	-31	--	--	--	--	--	--
687	1.5	95	--	--	Trinity	30	--	--	50	--	--	--
688	7	75	--	--	Trinity	22 to 28	--	--	--	--	--	--
689	8.2	80	8.1	80	--	-26	--	--	70	--	4.3	--
690	3.24	86	2.5	75	--	3	4	--	3	--	--	--
691	3.24	86	2.5	75	--	-20	40	25	37	27	--	--
692	0.96	54	--	75	Jasper	-35	18	--	20	--	0.1	--
693	0.96	75	--	75	--	8	--	--	--	--	--	--
694	18	84	--	--	Carrizo-Wilcox	-25	60	--	60	40	--	--
695	--	--	--	--	Carrizo-Wilcox	--	--	--	--	--	--	--
696	36	88	33	88	Carrizo	-32	124	112	112	75	1.7	--
697	14	50	--	--	--	--	--	--	--	--	--	--
698	14	50	--	--	--	--	--	--	--	--	--	--
699	14	50	--	--	--	--	--	--	--	--	--	--
700	14	50	--	--	--	--	--	--	--	--	--	--
701	14.2	71	--	--	Carrizo	-11	70	--	80	--	3.8	--
702	24.3	70	--	--	Carrizo	--	--	--	62	--	3	--
703	12.4	77	13.7	74	--	-17	170	--	55	--	2.7	--
704	29.6	82	--	--	Carrizo	-48	27	--	28	--	4.3	--
705	16	80	15	82	Carrizo	-17	--	--	--	--	--	--

	Rm (ohm-m)	Temp. Rm (°F)	Rmf (ohm-m)	Temp. Rmf (° F)	Aquifer	SP (mv)	Rl_H (ohm-m)	Rl_L (ohm-m)	Ro_H (ohm-m)	Ro_L (ohm-m)	FFF_H	FFF_L
706	10	75	10	75	--	--	--	--	--	--	--	--
707	--	--	--	--	--	--	--	--	--	--	--	--
708	1.6	70	--	--	Wilcox	0	--	--	38	--	3	--
709	1.6	70	--	--	Wilcox	-12	125	70	180	100	4.6	2.5
710	2.81	72	--	--	Carrizo	-35 to 0	--	--	80	--	2.6	--
711	7	75	--	--	Wilcox	-12	--	--	40	20	0.7	0.3
712	10	70	7.5	70	Wilcox	12	--	--	70	--	2	--
713	10	80	7.5	80	Wilcox	-19 to -23	100	--	110	--	3.2	--
714	9.15	64	--	--	--	12	38	--	37	--	2.1	--
715	9.4	83	9.1	80	--	-15	70	--	70	--	1.8	--
716	11	85	--	--	Jackson	--	--	--	--	--	--	--
717	12	85	--	--	Jackson	--	--	--	--	--	--	--
718	7	80	7.2	80	Jackson	--	--	--	--	--	--	--
719	8.98	73	12.1	73	--	--	--	--	--	--	--	--
720	11.58	75	9.38	75	Miocene	-27	--	--	3	--	--	--
721	7.52	72	7.8	75	Jackson	2	33	--	33	23	3.4	2.4
722	62.5	74	80	74	Jackson	6	--	--	45	--	--	--
723	--	--	--	--	--	--	--	--	--	--	--	--
724	8.5	68	--	--	--	-10	--	--	--	--	--	--
725	6.8	69	--	--	--	--	--	--	--	--	--	--
726	6.8	69	--	--	--	--	--	--	--	--	--	--
727	6.8	69	--	--	--	--	--	--	--	--	--	--
728	7	80	--	--	--	--	--	--	--	--	--	--
729	5.7	73	--	--	--	--	--	--	--	--	--	--
730	8	60	--	--	--	--	--	--	--	--	--	--
731	6.5	60	--	--	--	--	--	--	--	--	--	--
732	--	--	--	--	--	-20	--	--	125	45	5.8	1.8
733	6	90	--	--	--	--	--	--	15	--	13.3	--
734	5.33	89	5	80	--	-40	--	--	21	--	6.7	--
735	1.6	84	--	--	--	--	--	--	--	--	--	--
736	1.3	80	--	--	--	--	--	--	--	--	--	--
737	1.3	80	--	--	--	--	--	--	--	--	--	--
738	3.86	75	3.52	75	Carrizo	15	--	--	28	25	5.6	5
739	4.16	75	2.86	75	Carrizo	-5	28	21	32	23	6.2	4.5
740	10.62	73	7.7	75	Carrizo	-10 to -12	50	41	75	60	5.5	4.4
741	3.4	90	--	--	--	-30	60	--	50	43	3.9	--
742	5.6	90	--	--	--	0	90	60	150	75	5.1	--
743	4.8	90	--	--	--	-18	--	--	45	35	5.8	4.5
744	19	80	--	--	--	-25	--	--	--	--	--	--
745	8.05	40	--	--	--	--	--	--	--	--	--	--
746	4.12	58	3.8	58	--	--	--	--	--	--	--	--
747	4.12	58	3.8	58	--	--	--	--	--	--	--	--
748	9	82	--	--	Canyon	-9	8	--	50	--	6.9	--
749	12.4	70	8.5	70	--	-25	--	--	55	--	6.5	--
750	--	--	--	--	--	--	--	--	--	--	--	--
751	10	75	10	75	Carrizo	-10 to -13	--	--	65	--	2.5	--
752	10	66	--	--	Queen City	-10	290	120	350	125	2	--

	Rm (ohm-m)	Temp. Rm (°F)	Rmf (ohm-m)	Temp. Rmf (° F)	Aquifer	SP (mv)	Ri_H (ohm-m)	Ri_L (ohm-m)	Ro_H (ohm-m)	Ro_L (ohm-m)	FFF_H	FFF_L
753	21.5	82	--	--	--	-46	--	--	52	--	3.6	--
754	21.5	82	--	--	--	-46	--	--	52	--	4	--
755	8.4	79	--	--	Carrizo	0	--	--	75	--	4	--
756	15	70	--	--	Queen City	--	--	--	--	--	--	--
757	35.4	65	--	--	Carrizo	-23	--	--	360	--	2.6	--
758	9.7	79	--	--	Carrizo	--	--	--	--	--	--	--
759	3	70	--	--	Queen City	40	--	--	170	150	1.5	--
760	18.6	82	19.5	80	--	-13	--	--	24	--	1.9	--
761	14.1	80	11.8	80	Carrizo	-42	--	--	--	--	--	--
762	14.1	80	11.8	80	--	-40	--	--	160	--	4	--
763	16.7	85	15.9	85	Carrizo	--	--	--	--	--	--	--
764	14.6	78	--	--	Wilcox	-40	28	25	23	20	4.1	3.5
765	14.7	93	--	--	Wilcox	-30	190	--	170	--	--	--
766	15.7	95	--	--	--	-17	--	--	29	--	1.5	--
767	18.5	79	14	83	--	--	--	--	55	--	1.6	--
768	18.5	79	14	83	--	--	--	--	--	--	--	--
769	16	85	--	--	Carrizo?	--	--	--	30	25	3.2	--
770	11	85	--	--	--	-14	42	--	52	--	3.6	--
771	4.67	85	3.64	75	Carrizo	-26	65	--	150	80	--	--

	Screen Depth/Depth of Water Sample//Depth of Log Analysis (feet)	Lab	TDS	Specific Conductance (μmhos/cm)	Anion Sum (meq/l)	Cation Sum (meq/l)	Ca^{++}	Mg^{++}
1	412-489	Wood	304	348	3.6	3.6	5	1
2	1415-1435	Wood	798	880	9.9	10.0	1	0.5
3	1720-1840	–	991	1,650	–	18.8	1	1
4	720-760	Pope	700	800	8.7	8.8	2	1
5	720-760	Pope	799	800	10.2	10.2	1	0.4
6	1060-1127	Pope	353	450	4.7	4.7	4.8	0.2
7	1073-1142	Micro	553	655	7.0	7.0	1	0.4
8	572-622	Pope	209	270	2.7	2.5	4	3.4
9	1040-1061, 1086-1127, 1145-1196	Pope	257	300	3.4	3.4	7.2	2.9
10	763-793	Curtis	212	–	2.5	2.5	16	5
11	2115-2169	Curtis	1,215	–	14.9	15.0	7	2
12	2120-2169	Curtis	988	–	16.1	16.1	8	3
13	2305	Curtis	630	–	7.5	7.5	8	2
14	2019-2040	Curtis	1,407	–	16.9	16.9	3	1
15	2284-2304	Curtis	632	–	7.7	7.7	5	2
16	1545-2227	Curtis	698	–	8.9	8.9	4	1
17	2113-2133	Curtis	1,103	–	14.7	14.7	4	1
18	1575-1694	Curtis	321	–	3.6	3.7	8	2
19	1721-1754	Curtis	438	–	5.0	4.9	16	3
20	703-730	Curtis	214	–	2.7	2.6	23	7
21	1614-1700	–	353	550	–	–	–	–
22	870-920	Wood	735	822	9.2	9.2	2	0
23	1800-1910	–	1,021	1,670	–	19.2	1	1
24	705-960	Wood	921	1,090	11.3	11.4	1	0.5
25	2020-2218	Micro	1,266	1,390	16.1	16.1	1	0.6
26	2020-2218	Micro	1,238	1,450	15.8	15.8	1	0.5
27	1345-1565	–	–	–	–	–	–	–
28	650-720	Micro	541	656	6.9	6.9	1	0
29	470-560	Wood	374	432	4.3	4.3	1	1
30	345-445	Micro	546	676	6.9	6.9	3	1
31	258-392	Wood	462	559	5.7	5.7	9	2
32	1153-1178	Micro	14,596	24,500	247.4	247.3	116	63
33	1773-1197	Micro	2,066	3,080	29.6	29.7	3	1
34	636-656	Micro	685	752	8.3	8.3	1.2	0.2
35	1120-1210	Wood	566	718	7.4	7.4	0.8	0.2
36	960-1080	Micro	474	568	6.0	6.0	1	0.4
37	1138-1268	Micro	613	739	7.6	7.6	0.4	0
38	1073-1165	Wood	664	786	8.2	8.2	0.4	0
39	1130-1240	Micro	633	810	8.1	8.1	0.5	0.1
40	1005-1085	Wood	479	532	5.7	5.8	0.4	0.2
41	1079-1139	Curtis	533	582	6.3	6.3	1.2	0.3
42	760-800, 870-900	Pope	1,340	1,500	17.7	17.7	2.4	0
43	1703-1869	–	343	570	–	–	–	–
44	2642-2799	–	390	625	–	–	–	–
45	4293-4320	–	568	895	–	–	–	–
46	2350-2495	–	538	955	–	–	–	–
47	1700-2000	–	332	554	–	–	–	–

	Screen Depth/Depth of Water Sample//Depth of Log Analysis (feet)	Lab	TDS	Specific Conductance (μmhos/cm)	Anion Sum (meq/l)	Cation Sum (meq/l)	Ca^{++}	Mg^{++}
48	3560-4010	--	648	1,070	--	--	--	--
49	3480-3990	--	634	1,010	--	--	--	--
50	3240-3625	Orlando	420	700	7.3	7.6	5	1
51	3165-3710	Orlando	590	--	7.7	8.1	3.4	1.2
52	3290-3710	Orlando	640	--	8.4	8.2	2.4	1.2
53	below 3204	Orlando	538	--	6.6	7.0	4.8	0.5
54	1597-1817	--	325	--	--	--	--	--
55	444-490, 554-580, 634-644	Orlando	438	--	6.5	6.4	86	10
56	2240-2360//2215-2330	Pope	1,192	--	16.9	17.0	9.6	0
57	--	--	--	--	--	--	--	--
58	--	Pope	1,449	--	20.9	20.9	8.8	4.4
59	1144-1226//1173-1188	Curtis	1,493	--	20.4	20.5	8	4
60	1160-1260	--	--	--	--	--	--	--
61	--	--	--	--	--	--	--	--
62	230-300	--	979	--	--	--	--	--
63	--	--	--	--	--	--	--	--
64	--	--	--	--	--	--	--	--
65	--	Orlando	438	--	6.0	6.3	94	15
66	--	--	--	--	--	--	--	--
67	--	--	--	--	--	--	--	--
68	858-868, 906-954, 970-994//920-994	Pope	671	--	8.7	8.7	2.4	1
69	188-240	Curtis	689	914	9.1	9.1	3	1
70	331-381	Houston	936	--	16.5	16.5	33	16
71	2600-2780, 2825-2974	Curtis	835	858	9.5	10.9	2	1
72	2670-2950	Curtis	1,138	--	14.0	14.0	3	1
73	2480-2730, 2742-2860	Tx Health	660	1,025	11.9	11.9	4	1
74	2225-2709	Tx Health	937	--	12.0	12.0	10	1
75	2405-2855	Tx Health	804	824	9.8	9.8	3	0
76	97-118	Curtis	494	534	5.6	5.7	3	1
77	--	Orlando	805	--	10.1	10.3	4	1
78	2670-2758, 2520-2664, 2768-2808, 2842-2960	Orlando	629	--	9.2	10.1	2.4	2.9
79	2430-2920//2710-2720	Curtis	673	710	8.4	8.4	4	1
80	--	Curtis	--	950	--	--	--	--
81	2416-2460, 2474-2732, 2744-2772, 2834-2878, 2900-2918	Wood	804	810	8.4	8.4	3	1
82	1180-1200	Wood	2,602	3,610	36.4	36.6	3	2
83	1548-1584	Wood	2,340	2,720	30.2	30.5	3	1
84	3810 - ?	Wood	8,117	11,800	128.7	128.8	32	12
85	2756-2805, 2872-2922, 2932-2990, 3000-3020, 3016-3056	Pope	1,548	1,800	19.8	19.8	4.8	0
86	178-195, 368-385	Micro	90	110	1.0	1.0	3	3
87	/368-385	Micro	443	510	5.8	5.8	53	21
88	--	Micro	528	620	6.5	6.5	1	0.4
89	1513-1573	Micro	505	620	6.5	6.5	0.5	0.1
90	/1564-1620//1570-1610	Pope	352	400	4.5	4.5	6	1
91	2154-2202, 3570-3805	USDI	1,650	--	29.0	28.7	5	1
92	150-180, 220-320	Curtis	530	613	7.1	7.2	50	14
93	220-250	Tx Health	2,170	--	36.1	36.1	7	5
94	3903	White	4,090	8,264	--	69.5	12	10

	Screen Depth/Depth of Water Sample//Depth of Log Analysis (feet)	Lab	TDS	Specific Conductance (µmhos/cm)	Anion Sum (meq/l)	Cation Sum (meq/l)	Ca^{++}	Mg^{++}
95	373-393	Micro	280	298	3.3	3.4	2	1
96	620-650	--	646	790	--	--	2	--
97	519-529, 570-585	Pope	886	1,087	11.4	11.4	2	1
98	500-520, 541-581	Pope	522	575	6.7	6.7	1.6	0
99	770-831	Pope	1,245	1,300	15.6	15.6	1.6	0.9
100	618-654	--	300	477	--	--	2	--
101	620-655	Micro	440	500	5.5	5.5	2	0
102	651-676	Micro	710	730	8.2	8.5	2	1
103	947-970	Curtis	1,314	--	15.9	16.0	2.5	0.9
104	623-645	Curtis	634	--	7.4	7.4	2	0.6
105	--	--	--	--	--	--	--	--
106	652-752	Curtis	712	--	8.4	8.4	2	0.5
107	635-685	Micro	687	730	8.3	8.3	1.5	0
108	635-685	Curtis	636	--	7.1	7.2	1.6	0.5
109	530-550, 570-630	--	627	650	8.0	8.0	1.6	0.5
110	538-559, 569-670	Curtis	253	455	4.1	4.4	2	1
111	930-950//900-950	Micro	1,390	1,560	17.4	17.5	3	0
112	906-916, 927-999	Micro	951	1,680	--	--	3	--
113	530-624	--	1,178	2,189	--	--	3	--
114	368-388	Micro	606	760	7.6	8.4	1	0
115	350-440	--	490	770	--	--	--	--
116	246-266, 342-362	Micro	266	291	3.0	3.0	7	0.6
117	1100-1112, 1116-1137/1144	Pope	819	975	10.7	10.7	1.6	0.5
118	--	Pope	683	820	9.2	9.2	2.4	0.9
119	2402-2650//2500-2650	Pope	1,043	1,500	15.1	16.7	4	1
120	1900-2100	NTSU	546	950	8.7	8.7	2	9
121	990-1020	Pope	1,133	1,400	14.8	14.8	2.4	1
122	2205-2225//2212-2220	Curtis	1,464	--	19.0	19.1	7	1
123	1881-1942.5, 1947.5-1989.3//1880-1920, 1945-1975	Pope	1,029	--	13.0	13.0	0.3	0
124	2186-2226, 2246-2284//2200-2210	Pope	758	850	9.8	9.8	1.6	1
125	--	--	--	--	--	--	--	--
126	2380-2640//2400-2440	Curtis	1,696	--	25.5	25.6	6	1
127	2193-2121, 2064-2044, 2037-2027, 1930-1900, 1897-1884	Pope	10,660	16,500	169.1	169.1	360	24
128	1670-1730	Pope	516	560	6.8	6.7	0.8	0.5
129	--	Tx Test	450	630	5.9	5.9	72	14
130	/1210-1286	Pope	1,173	1,500	17.1	17.1	8	2.4
131	630-900	Pope	634	710	8.3	8.4	2	1
132	990-1100	Pope	613	670	7.8	7.8	1.6	1
133	815-885	Micro	1,284	1,780	17.7	17.7	7	3
134	650-715	Pope	1,245	1,550	17.8	17.9	7	4
135	2615-2768	Pope	1,248	--	16.8	16.8	3.2	1
136	1005-1040, 1070-1110	Curtis	1,034	--	12.6	12.6	2	1
137	1139-1196	Pope	1,062	--	13.4	13.9	2	1.2
138	2245-2455	Wood	1,290	1,730	17.1	17.2	4	1
139	2440-2500	Wood	1,305	1,680	17.7	17.9	4	1
140	2248-2416	Pope	1,029	--	13.5	13.5	3.2	0.8
141	24-28	--	--	--	--	--	--	--

	Screen Depth/Depth of Water Sample//Depth of Log Analysis (feet)	Lab	TDS	Specific Conductance (µmhos/cm)	Anion Sum (meq/l)	Cation Sum (meq/l)	Ca^{++}	Mg^{++}
142	2170-2334	Curtis	1,151	--	14.4	14.4	1	0
143	2200-2320//2230-2260	NTSC	1,884	--	28.4	28.4	0	56
144	2950-3200	Curtis	1,408	--	18.4	18.5	4	1
145	2990-3190	Curtis	1,372	--	17.8	17.9	4	1
146	1012-1074	Pope	995	1,100	13.0	13.4	2.4	1
147	2379-2569//2500-2580	Pope	1,051	--	14.0	14.0	4.4	0
148	1332-1514	Pope	1,159	--	14.9	14.9	3.2	0
149	1610-1840	Curtis	2,205	2,640	28.7	28.8	3.7	0.7
150	2734-2830	Pope	1,138	1,300	15.6	15.6	3.2	1
151	1375-1504//1418-1452	Micro	941	1,140	12.0	12.1	2	1
152	1888-2008	Pope	953	1,100	12.6	12.6	2	1
153	1944-1989//1950-1980	Pope	1,141	--	15.3	15.3	3.2	1.5
154	1868-1984	Pope	1,181	1,300	14.7	15.8	3.2	1
155	1539-1639	Hundley&Halff	705	1,300	9.0	--	3.8	0
156	703-812	USDI	1,680	--	27.0	27.5	5	3
157	1130-1170	Curtis	2,057	--	27.4	27.5	4.1	1.5
158	1130-1170	Curtis	2,074	--	27.7	27.8	5	1.9
159	1212-1286/1353//1260-1290	Tx Health	1,720	2,530	23.1	22.9	3	1
160	2143-2299	Curtis	1,431	--	18.8	18.8	5	2
161	1930-2120	Curtis	1,206	--	15.5	15.2	4	1
162	2904-2908, 2932-2936, 2998-3013, 3064-3068, 3078-3088	Wood	1,186	1,490	15.4	15.4	4	1
163	3144-3164	Curtis	1,659	--	21.3	22.8	6	2
164	1690-1815	Curtis	1,109	--	13.7	13.8	2	1
165	1360-1600	Curtis	1,974	--	25.5	25.8	4	1
166	920-1210	Curtis	1,524	1,835	19.4	19.5	2	0.5
167	1360-1600	Curtis	1,974	2,512	25.4	25.8	4	0.9
168	2440-2584	Curtis	1,140	1,364	14.5	14.5	2	1
169	1100	Curtis	1,292	--	16.2	16.3	5	1.4
170	2450-2776	Curtis	2,812	--	38.9	39.1	39	7.4
171	1950-1960, 1970-1990, 2040-2055, 2087-2092, 2120-2138	Pope	1,326	1,500	18.0	18.0	10	4
172	1988-2062, 2145-2168	Pope	1,228	1,550	13.3	16.7	4	2
173	1924-2099	Pope	1,239	1,420	16.8	16.8	4	2
174	2124-2128, 2169-2173, 2214-2220, 2240-2248//2100-2125	Pope	1,235	1,320	16.5	16.5	6	2
175	2165-2198	Curtis	3,360	--	46.5	46.5	16	5
176	/3333//3265-3297	NTSU	872	--	17.9	18.8	15.6	0.5
177	425-448, 486-507	Micro	901	1,145	12.0	12.1	2	0
178	553-578	Micro	894	1,185	12.3	12.3	2	0
179	422-515	Micro	910	1,140	11.9	11.9	1.5	0
180	582-607	Micro	961	1,210	13.0	13.1	1.5	0.5
181	425-465, 482-525	Micro	813	980	10.6	10.6	1.5	0.5
182	507-555, 575-620	Micro	906	1,130	12.0	12.0	1	0.4
183	400-440, 450-490	Wood	771	958	10.1	10.1	1	0
184	180-261	Curtis	2,414	--	36.7	36.2	1.9	2.3
185	1110-1131/1134	NTSC	621	--	10.2	10.7	1.3	9.5
186	--	Pope	917	1,000	12.0	12.0	1.6	0.4
187	1062-1102/590	Pope	764	850	8.6	10.1	1.6	0.5
188	1350-1440/1440//1410-1450	NTSC	573	--	9.0	8.9	1.3	2

	Screen Depth/Depth of Water Sample//Depth of Log Analysis (feet)	Lab	TDS	Specific Conductance (μmhos/cm)	Anion Sum (meq/l)	Cation Sum (meq/l)	Ca^{++}	Mg^{++}
189	--	Pope	706	--	9.4	9.4	1.6	0.5
190	882-913	NTSC	635	--	10.9	11.0	2.2	1.9
191	780-870/888	Tx Health	506	--	9.9	10.0	2.3	1
192	1380-1412, 1420-1434, 1500-1528, 1550-1592, 1596-1618	Pope	966	1,100	13.3	13.3	2.4	1
193	1301-1332	Pope	981	--	12.5	12.7	1.6	1
194	1286-1298, 1319-1326, 1310-1315, 1330-1354	Pope	842	950	11.1	11.1	1.6	0.5
195	721-742, 770-796, 862-888, 922-942, 960-996, 1010-1022	Pope	794	850	10.3	10.3	1.6	0.5
196	684-810	Pope	603	650	7.9	7.9	1.6	0.5
197	1220-1422	Wood	944	1,080	9.8	11.9	2	0
198	--	--	--	1,870	--	--	--	--
199	620-1200	Curtis	808	--	9.8	9.8	3	1
200	745-795/850	Tx Health	2,400	3,680	32.8	34.0	6	3
201	625-1184	Curtis	752	--	9.2	9.2	3	1
202	1292-1390//1290-1348	Wood	1,536	2,460	23.3	23.4	8	3
203	922-948, 955-965/1003	Tx Health	1,020	1,560	14.5	14.3	2	0
204	950-1013	Pope	999	1,150	13.6	13.6	2.4	0.5
205	1750-1800, 1805-1861	Pope	1,491	2,488	23.0	22.7	5	2.2
206	1750-1800, 1805-1861	Pope	1,490	2,472	23.0	22.7	4.8	2.2
207	1707-1857/1912	NTSC	976	1,780	16.4	17.2	4	15
208	891-929, 954-988	Pope	812	1,050	11.1	11.1	0.8	0
209	2235-2390	Wood	1,190	1,870	17.4	17.4	4	1
210	1740-1954	Pope	2,484	4,000	40.4	40.3	19	7
211	328-1240//1150-1215	Pope	1,108	1,400	15.5	15.5	10.4	3.7
212	--	--	--	--	--	--	--	--
213	/624-834	Tx Test	356	550	--	--	43	11.7
214	/555-764	Tx Test	366	620	6.8	6.8	39	12
215	/552-759	Tx Test	354	695	6.5	6.5	38	10
216	/2055-2200	Tx Test	1,171	1,970	19.2	19.2	4	0.5
217	/2035-2095	Tx Test	905	1,250	15.1	15.2	2.4	1
218	210-230	Curtis	1,509	--	22.7	22.8	169	43
219	150-170	Orlando	1,850	3,100	28.5	29.4	187	69
220	543-564	Jordan	1,916	2,880	28.2	28.2	35	13
221	200-523	Wood	597	813	8.1	8.1	13	2
222	290-810	Curtis	372	486	4.6	4.7	17	5
223	--	EPWU	8,048	--	127.2	133.0	316	68
224	270-580	Curtis	473	--	5.9	5.9	19	5
225	372-600	Curtis	550	--	7.4	7.4	23	7
226	381-860/400	Curtis	716	--	12.1	10.9	50	10
227	422-443	Curtis	354	--	4.4	4.5	19	3
228	900-922	Curtis	1,994	--	32.2	32.4	115	19
229	377-845	Curtis	782	--	12.1	12.1	51	8
230	270-560	Curtis	413	518	5.1	5.1	15	3
231	315-770	Curtis	446	556	5.5	5.6	16	5
232	430-480, 510-530, 580-620, 630-640	--	--	--	--	--	--	--
233	461-487, 536-561, 581-606, 656-681, 739-765/527-720	Micro	628	928	8.7	8.7	26	5
234	527-720, 536-561, 581-606, 656-681, 739-765/461-487	Micro	4,740	8,000	81.0	81.0	444	148
235	527-720, 461-487, 536-561, 581-606, 656-681/739-765	Micro	1,139	2,070	18.5	18.5	86	13

	Screen Depth/Depth of Water Sample//Depth of Log Analysis (feet)	Lab	TDS	Specific Conductance (µmhos/cm)	Anion Sum (meq/l)	Cation Sum (meq/l)	Ca^{++}	Mg^{++}
236	394-418, 460-482, 562-585, 654-678, 732-756, 430-760	Curtis	692	--	10.1	10.1	44	15
237	394-418, 460-482, 562-585, 654-678, 732-756, 430-760	Curtis	542	--	7.3	7.3	20	6
238	394-418, 460-482, 562-585, 654-678, 732-756, 430-760	Curtis	620	--	8.6	8.6	21	4
239	140-165, 200-223, 272-295, 223-245, 370-395, 475-500, 575-595	Curtis	943	--	13.6	13.6	41	10
240	140-165, 200-223, 272-295, 223-245, 370-395, 475-500, 575-595	Curtis	1,905	--	29.3	29.3	45	13
241	140-165, 200-223, 272-295, 223-245, 370-395, 475-500, 575-595	Curtis	2,177	--	34.0	40.3	192	24
242	140-165, 200-223, 272-295, 223-245, 370-395, 475-500, 575-595	Curtis	2,854	--	45.7	53.8	259	21
243	--	Pope	1,419	--	19.0	19.0	5.6	1.2
244	1170-1300	Pope	1,738	--	22.9	22.3	3.2	1
245	1268-1328	Pope	1,788	1,800	23.8	23.8	3.2	0.9
246	1372-1432	Pope	1,941	2,200	25.8	25.8	2.4	1
247	1823-1961/1900	Pope	2,433	--	32.8	32.9	5.6	0
248	2098-2202	Pope	936	1,170	12.1	12.1	3.2	1.5
249	909-929	Curtis	1,859	2,380	24.3	24.3	4.4	0.9
250	2080-2340//2230-2310	Micro	1,003	1,220	12.8	12.8	3	2
251	2175-2226, 2235-2335	Pope	933	--	12.3	12.3	4	0
252	824-845/850	Tx Health	1,680	2,475	22.2	22.9	4	1
253	2750-2795	NTSU	1,172	--	15.3	15.0	24	25
254	1110	Curtis	2,604	--	35.3	35.4	6	2
256	/250-354//300-318	Wood	511	585	6.6	6.5	74	24
256	230-366//340-350	Wood	519	603	6.7	6.6	75	24
257	425-457	Curtis	515	--	6.4	6.5	49	31
258	358-372, 378-410, 414-424, 446-530	Pope	511	550	6.8	6.8	66	29
259	320-424, 428-450	--	--	--	--	--	--	--
260	193-322//190-225	Wood	537	618	6.8	6.9	78	26
261	363-373, 377-411, 415-427, 447-487, 489-526, 532-548	Pope	518	600	6.9	6.9	68	29
262	1340-1693	Pope	1,106	--	14.5	14.5	2	1.2
263	1485-1537, 1543-1548	Pope	1,070	1,220	14.2	14.2	2.4	1
264	2063-3063	NTSC	813	1,400	15.6	15.4	4.5	18
265	3163-3708//3170-3220	Curtis	1,409	1,550	18.0	18.1	3.5	1.2
266	336-352	Micro	613	705	7.6	7.7	1	0
267	372-460	Pope	304	420	3.8	3.8	2.4	1.9
268	176-246	Curtis	55	--	0.4	0.4	4	0
269	--	--	--	--	--	--	--	--
270	105-140	Curtis	117	--	0.9	0.9	2	1
271	218-238	Curtis	1,216	--	14.4	14.4	9	3
272	103-131	Curtis	1,228	1,724	14.6	14.6	9.5	3.7
273	360-404	Curtis	1,231	--	14.7	14.7	12	3
274	405-465, 556-596	--	208	--	2.9	2.9	14	5
275	405-465, 556-596	Tx Health	220	--	2.9	3.0	14	7
276	495-716	Curtis	498	526	6.1	5.9	3	0.4
277	365-555	Wood	521	589	6.2	6.2	4	1
278	365-445, 520-555	Wood	481	562	5.9	5.9	4	1
279	365-445, 520-555	--	573	676	7.2	7.2	2	0.5
280	407-422, 474-510, 530-548, 574-597	--	303	--	--	--	4	--
281	407-593	Wood	354	414	4.3	4.3	3	1
282	260-280, 470-490, 653-673	Wood	301	350	3.7	3.7	18	5

	Screen Depth/Depth of Water Sample//Depth of Log Analysis (feet)	Lab	TDS	Specific Conductance (µmhos/cm)	Anion Sum (meq/l)	Cation Sum (meq/l)	Ca^{++}	Mg^{++}
283	260-280, 470-490, 653-673	Wood	619	720	7.9	7.9	2	0
284	460-500	--	253	395	--	--	6	--
285	450-500, 635-670	Pope	532	690	6.9	6.9	0.8	0.9
286	570-580, 664-694	Pope	482	510	6.3	6.3	4.8	1.5
287	570-580, 664-694	--	--	--	--	--	--	--
288	570-580, 664-694	--	482	510	--	--	--	--
289	/1856-2129	Tx Test	355	580	6.5	6.5	32	11
290	1200-1350	--	360	--	--	--	--	--
291	1290-1541	Tx Test	390	--	7.1	7.2	95	11
292	1120-1670	Micro	440	509	5.3	5.4	21	6
293	/1779-1840	Houston	3,186	--	49.4	39.3	114	22
294	760-800	Curtis	2,002	--	31.2	31.3	28	7
295	1160-1330	Curtis	6,423	--	104.8	105.1	105	51
296	/4052-4068	Micro	116,832	120,000	2,005.0	2,005.2	3400	986
297	590-610	Curtis	1,755	--	25.8	25.9	104	24
298	960-1010	Tx Health	167	--	2.3	--	--	--
299	1930-1940	Curtis	3,626	--	48.8	48.9	8.5	3.2
300	1605-1645	Tx Health	246	--	4.2	4.0	52	6
301	--	--	--	--	--	--	--	--
302	2330-2530	Tx Health	504	--	8.8	8.8	4	2
303	2000-2190	Tx Health	278	468	4.8	4.7	1	1
304	100-120	Micro	512	715	7.0	7.2	59	17
305	118-138	Micro	672	965	9.4	9.5	68	22
306	217-235, 122-140, 117-137	Micro	2,224	3,150	30.6	30.7	260	49
307	217-235, 122-140, 117-137	Micro	1,214	1,730	18.4	18.4	110	33
308	463-483, 1550-1600, 1330-1600	Curtis	1,930	2,295	25.0	25.1	3.6	1
309	463-483, 1550-1600, 1330-1600	Curtis	1,344	1,473	16.6	16.7	2.5	0.7
310	1950-1988, 2006-2030, 2034-2073, 2078-2096	Pope	1,124	1,300	14.5	14.5	4	1.9
311	978-1168/1200	Tx Health	810	1,040	10.3	10.2	3	0
312	709-729	Curtis	1,394	1,595	17.5	17.5	2.1	0.5
313	740-950/830-850//830-850	Micro	346	392	4.2	4.3	6	1
314	740-950	Micro	340	371	4.0	4.1	0.8	0.3
315	1590-2375	Curtis	1,052	1,275	13.7	13.8	1.6	0.4
316	/630-950//945-965	Wood	711	838	9.0	8.9	1	0
317	//794-835	Pope	1,241	1,400	16.1	16.1	2.4	0
318	1510-2214	Micro	1,051	1,270	13.5	13.6	2.5	0
319	2192-2231, 1510-2214, 650-980//852-872	Micro	437	490	5.2	5.3	3	1
320	2192-2231//2175-2210	Micro	962	1,250	12.9	13.0	2	0.5
321	2192-2231//1965-1990	Micro	962	1,250	12.9	13.0	2	0.5
322	--	Pope	721	820	7.8	9.4	1.6	1
323	/1055-1085//1045-1060	Pope	966	1,100	11.6	12.5	4	2.7
324	948-968	Curtis	624	721	7.2	7.2	2	0.5
325	626-726	Curtis	504	--	6.3	6.4	1.3	0.3
326	180-435	Curtis	488	505	5.6	5.7	1	0
327	--	Curtis	1,090	1,386	14.1	14.1	2	0.5
328	840-970	Wood	653	778	8.1	8.1	1	0.5
329	865-890	Wood	649	752	8.2	8.2	3	0.5

	Screen Depth/Depth of Water Sample//Depth of Log Analysis (feet)	Lab	TDS	Specific Conductance (μmhos/cm)	Anion Sum (meq/l)	Cation Sum (meq/l)	Ca^{++}	Mg^{++}
330	2020-2075, 2095-2109, 2128-2150, 2290-2298	Wood	733	845	9.1	9.1	1	1
331	2020-2075, 2095-2109, 2128-2150, 2290-2298	Wood	1,401	1,520	17.1	17.2	6	1
332	1308-1376, 1391-1447, 1471-1497	Pope	751	650	10.0	10.0	2.4	1.5
333	302-322, 497-517	Curtis	1,171	1,504	15.1	15.2	3.4	0.4
334	302-322, 497-517	Curtis	2,461	--	37.0	37.0	6.8	1.3
335	629-692, 740-824	--	1,576	2,325	--	--	--	--
336	478-528	Pope	492	500	6.2	6.2	1.6	1
337	828-888	Curtis	1,911	--	24.5	27.1	3.2	0.9
338	207-222, 360-375, 400-420, 510-540	--	730	1,250	--	--	--	--
339	243-263, 465-495, 470-490/243-263	Micro	416	470	5.2	5.1	3	1
340	243-263, 465-495, 470-490/465-495	Micro	1,140	1,820	17.2	17.2	5	2
341	243-263, 465-495, 470-490/470-490	Micro	1,119	1,840	16.9	16.9	6	1
342	180-195, 230-300, 465-495, 542-562/180-195	Micro	314	407	3.9	4.0	7	3
343	180-195, 230-300, 465-495, 542-562/230-300	Micro	324	383	4.1	4.1	7	3
344	180-195, 230-300, 465-495, 542-562/542-562	Micro	1,460	2,400	23.3	22.9	8	2
345	230-270	Wood	322	374	4.0	4.0	5	2
346	296-336	Pope	576	950	10.2	10.2	5.6	0
347	370-384, 390-402, 414-424	Orlando	510	--	7.0	7.1	86	2.9
348	197-223	Micro	950	1,250	13.0	--	--	--
349	675-735	Micro	1,241	2,055	19.7	19.7	12	2
350	395-458	Pope	283	320	3.6	3.6	5.6	1.2
354	360-380	Curtis	650	--	8.0	8.0	7	1.2
352	--	Pope	345	400	4.7	4.7	46.4	6.8
353	250	Curtis	575	--	6.8	6.7	31	7.7
354	900-1400	Curtis	713	--	8.4	8.4	7	2
355	780-880	Curtis	1,473	--	20.6	20.7	10	2.4
356	706-758, 792-820, 1044-1070, 1188-1220, 836-8848, 904-918	Pope	390	460	5.0	5.0	15.2	4
357	947-971, 985-1058, 1104-1142	Pope	490	520	6.5	6.4	12	2.9
358	1300	Curtis	2,448	--	35.3	35.4	18	7
359	384-674	Pope	356	400	4.8	4.8	49.6	6.8
360	--	Pope	599	750	7.9	7.9	20	5.4
361	1050-1090, 880-920, 940-970, 980-1020, 1040-1190, 1340-1410	Pope	449	525	5.8	5.6	3.2	1.9
362	426-680	Pope	340	400	4.6	4.6	52.9	4.9
363	478-728	Pope	352	420	4.8	4.8	49.7	6.1
364	440-624	Pope	331	400	4.4	4.4	50.5	4.4
365	760-1412	Wood	1,415	1,790	18.8	19.0	7	2
366	1860-1890, 2550-2600/1860-1890	Curtis	1,099	--	14.3	14.3	4.4	0.8
367	1860-1890, 2550-2600/2550-2600	Curtis	902	--	11.4	11.4	4.5	1
368	180-225, 310-420	Curtis	9,738	13,946	165.3	165.3	258	61
369	310-420, 435-450//385-400	Curtis	9,738	13,946	165.3	165.2	258	61
370	--	Pope	341	380	4.6	4.6	51.3	6.6
371	725-740, 990-1530	Micro	398	460	4.9	4.9	43	9
372	725-740, 990-1530	Micro	619	725	7.8	7.8	12	4
373	195-233	--	685	1,150	--	--	--	--
374	400-425	Micro	1,035	1,200	13.1	13.3	2	1
375	305-330	Micro	1,918	2,910	29.4	29.3	6	2
376	509-530, 822-844	Curtis	149	--	1.5	1.5	18	3

	Screen Depth/Depth of Water Sample//Depth of Log Analysis (feet)	Lab	TDS	Specific Conductance (µmhos/cm)	Anion Sum (meq/l)	Cation Sum (meq/l)	Ca^{++}	Mg^{++}
377	509-530, 822-844	Curtis	414	--	5.4	5.4	3	1
378	499-519, 507-577	--	178	--	--	--	--	--
379	1016-1046, 1056-1066	--	287	--	--	--	--	--
380	667-770	Curtis	489	--	5.6	5.6	1	0.3
381	390-410	Curtis	251	247	2.7	2.7	10.2	2.3
382	890-960, 1070-1090, 1100-1130, 1170-1230	--	355	--	--	--	3	--
383	1017-1030, 1040-1084, 1096-1142, 1203-1212, 1226-1246	--	358	606	--	--	--	--
384	1168-1192, 1228-1249	--	172	306	--	--	3	--
385	140-160	Curtis	427	518	5.3	5.4	24	8
386	209-251	--	190	--	--	--	--	--
387	550-568, 607-647	--	197	--	--	--	--	--
388	545-595	--	113	--	--	--	--	--
389	864-905	--	219	--	--	--	--	--
390	1066-1095, 1130-1157, 1163-1209, 1222-1245	--	380	--	--	--	--	--
391	393-413, 448-468	Curtis	3,187	5,350	50.3	50.3	106	54
392	393-413, 448-468	Curtis	3,058	4,700	48.0	48.0	112	47
393	670-730, 690-710	Micro	1,234	1,755	17.5	17.5	5.5	1.6
394	171-181	Curtis	2,851	--	43.8	43.8	48	32
395	283-293	Curtis	3,077	--	47.5	47.5	58	39
396	606-616	Curtis	4,293	--	70.6	70.6	185	58
397	170-205, 220-305	Curtis	3,406	--	51.8	51.9	51	37
398	298-318, 343-386	Micro	1,822	3,300	27.4	27.4	94	23
399	450-600	Curtis	2,834	--	43.4	43.4	128	50
400	1385-1485	Pope	819	--	10.6	10.6	3.2	0.4
401	1940-1950, 1972-2036	Pope	844	1,100	11.8	11.2	3.2	1.5
402	2080-2209	Pope	894	1,100	11.8	11.8	3.1	0.8
403	1440-1620	Wood	850	1,010	10.7	10.8	4	1
404	150-166, 174-208	Pope	687	800	9.0	9.0	2	1
405	260-280, 270-310//250-280	Wood	728	852	9.2	9.2	3	1
406	252-303	Wood	707	850	9.0	9.1	2	1
407	424-468/100	NTSC	110	280	2.4	2.5	5	5
408	440-470//442-460	Micro	444	545	5.8	5.8	2	0
409	254-452	Micro	243	271	2.8	2.8	6	1
410	690-789	--	348	--	--	--	--	--
411	2800-2900	--	278	--	--	--	--	--
412	164, 550-588/164	Curtis	1,757	--	24.2	24.2	107	43
413	164, 550-588	Curtis	33,494	--	557.6	558.9	1126	272
414	164, 550-588	Curtis	20,352	--	331.5	336.4	782	201
415	164,/550-588	Curtis	17,425	--	283.8	284.4	474	214
416	1755-1850	Pope	931	1,250	12.9	13.4	2.4	1
417	2225-2318	Pope	1,436	1,600	19.2	19.2	2.8	1.7
418	2274-2384/2370-2390	Pope	2,543	2,800	34.9	34.9	6.4	1.8
419	3225-3246, 3253-3295, 3311-3332	Pope	1,233	1,250	15.7	15.8	2.4	1.5
420	1175-1225	Curtis	1,348	--	18.6	18.6	9	4
421	4136-4220	Micro	67,000	91,700	1,158.6	1,159.8	2825	540
422	4200-4452	Micro	71,700	90,900	1,240.6	1,240.0	2900	524
423	350-750	Curtis	335	--	3.8	3.8	9.1	1.7

	Screen Depth/Depth of Water Sample//Depth of Log Analysis (feet)	Lab	TDS	Specific Conductance (µmhos/cm)	Anion Sum (meq/l)	Cation Sum (meq/l)	Ca^{++}	Mg^{++}
424	700-750	Pope	112	130	1.4	1.4	13.6	1
425	520-825	Micro	7,198	10,200	122.0	122.0	154	62
426	170-190, 291-307, 392-406, 315-330/170-190	Micro	18,850	26,400	316.2	316.1	1170	330
427	170-190, 291-307, 392-406, 315-330/290-307	Micro	23,350	28,240	392.4	392.2	1350	310
428	170-190, 291-307, 392-406, 315-330/392-406	Micro	7,030	11,650	116.0	116.0	250	104
429	170-190, 291-307, 392-406, 315-330/315-330	Micro	1,550	2,135	21.8	21.8	21	11
430	380-450, 500-570/380-450	Micro	3,672	6,140	60.0	60.0	58	18
431	380-450/500-570	Micro	4,954	5,750	82.4	82.4	90	43
432	1148-1189	Curtis	20,484	--	358.5	348.5	480	350
433	806-1408	Micro	1,391	1,950	19.4	19.7	6	1
434	2437-2468	Curtis	2,521	--	36.5	36.5	16	1.3
435	2340-2403	Curtis	2,321	--	32.6	32.7	20	2.7
436	1501-1521, 1538-1558	Pope	836	950	11.0	11.0	1.9	0.3
437	1417-1421, 1446-1458, 1524-1592, 1604-1646	Pope	870	900	11.3	11.3	2.4	1.5
438	1130-1292, 1342-1354, 1394-1400	--	--	--	--	--	--	--
439	548-620, 632-648	Pope	758	850	9.8	9.8	0.8	0.5
440	1270-1303, 1312-1363, 1370-1378, 1436-1500, 1506-1538	Pope	1,004	1,200	13.3	13.3	3.2	1.9
441	940-1004/418	Pope	1,383	1,800	19.0	19.1	3.2	1.4
442	--	Pope	2,667	3,300	37.4	37.4	10.4	4.9
443	380-410	Pope	419	600	5.6	5.6	48	10.4
444	740-770	Pope	2,250	2,900	30.8	30.8	9.6	5.6
445	--	Pope	1,300	1,500	17.4	17.4	5	6
446	1400-1450, 1460-1502	Pope	862	1,000	11.3	11.3	2.4	1.5
447	895-1165	Curtis	819	--	10.4	10.4	2	1
448	1470-1650/1013	Pope	804	950	10.4	10.4	2.4	0.9
449	924-946, 982-998, 1016-1020, 1124-1176, 1188-1198/1240	Pope	783	800	10.5	10.5	1.6	1
450	952-1014, 1030-1044	--	--	--	--	--	--	--
451	4100-4500	Orlando	3,105	--	42.6	43.5	9.6	4.4
452	904-950, 967-1057, 1057-1157, 1200-1280, 725-995/904-950	Curtis	2,292	--	33.1	33.2	16	2
453	904-950, 967-1057, 1057-1157, 1200-1280, 725-995/967-1057	Curtis	2,645	--	37.3	37.3	19	3
454	904-950, 967-1057, 1057-1157, 1200-1280, 725-995/1057-1157	Curtis	3,290	--	46.9	46.9	24	3
455	904-950, 967-1057, 1057-1157, 1200-1280, 725-995/1200-1280	Curtis	4,365	--	61.8	61.8	21	3
456	450-490, 879-919, 855-910/450-490	Micro	5,336	6,875	78.8	78.7	72	9
457	450-490, 879-919, 855-910/879-919	Micro	2,220	3,200	32.2	32.2	6	1
458	450-490, 879-919, 855-910/855-910	Micro	2,256	2,860	32.3	32.3	3	0.6
459	500-520, 860-890/500-520	Curtis	1,467	--	22.3	22.4	23.1	0.8
460	500-520, 860-890/860-890	Curtis	2,552	--	38.0	38.8	9.6	0.3
461	500-890, 500-900/500-890	Curtis	1,850	--	27.3	27.4	19	1.2
462	700-726	Micro	1,839	3,000	27.1	27.3	64	43
463	634-796	Orlando	1,190	--	17.9	17.4	38	13
464	530-675	Core	1,605	--	7.7	15.4	2.7	1.5
465	2125-2293	Tx Test	492	770	8.9	7.0	2.4	0.5
466	2770-3015	--	524	--	--	--	--	--
467	1740-2097	--	491	--	--	--	--	--
468	340-580	--	1,067	--	--	--	--	--
469	936-955	Micro	1,531	1,717	18.7	18.7	8.5	0.5
470	373-507	--	--	--	--	--	--	--

	Screen Depth/Depth of Water Sample//Depth of Log Analysis (feet)	Lab	TDS	Specific Conductance (µmhos/cm)	Anion Sum (meq/l)	Cation Sum (meq/l)	Ca^{++}	Mg^{++}
471	298-578	Orlando	930	--	13.3	13.3	24	4.4
472	--	--	--	--	--	--	--	--
473	620-640	TX Health	443	681	7.3	7.2	65	18
474	2005-2150	Wood	914	1,120	11.6	11.7	1	0.4
475	542-562, 582-602	--	--	--	--	--	--	--
476	856-908, 969-1033	Pope	313	360	4.1	4.1	26	3
477	539-583	Pope	194	220	2.6	2.5	22	3.9
478	--	Pope	312	330	4.1	4.1	24	4.1
479	285-370, 380-405, 435-460	Micro	262	335	3.2	3.3	15	5
480	622-674, 684-732	Wood	475	634	6.0	6.0	1	0.7
481	560-725	Southwestern	102	--	--	--	--	--
482	3832-3940	NTSC	3,089	--	45.4	44.8	171	108
483	992-1108	Pope	224	280	2.9	2.9	8	2.5
484	1635-1650	Tx Health	436	752	7.9	7.8	1	0
485	707-780	Curtis	1,298	--	17.6	17.6	2.2	0.5
486	645-672//650-670	Micro	1,086	1,390	14.7	14.7	2	0.5
487	126-156, 871-891/126-156	Curtis	1,983	--	30.0	30.0	102	62
488	126-156, 871-891/871-891	Curtis	1,994	--	29.6	29.4	10	6
489	470	Micro	527	620	6.9	6.9	57	41
490	--	--	--	--	--	--	--	--
491	/2050	Pope	579	650	7.9	7.9	58	47
492	--	Pope	607	750	8.2	8.2	71	43
493	2000-2389	Pope	518	650	7.1	6.9	63	22
494	--	Pope	741	950	10.2	10.2	34	15.1
495	2370-2390, 2540-2620, 2460-2480, 2630-2640, 2660-2680	Orlando	660	--	8.8	9.7	48	49
496	2183-2335	Pope	779	--	9.9	10.0	5	0
497	2933-3051	Pope	1,016	--	13.3	13.3	4.8	0
498	2194-2396/2400//2290-2310	NTSC	626	--	10.3	10.4	0	5.3
499	2270-2422	Pope	823	950	10.8	10.8	4	1.9
500	2182-2220, 2224-2368, 2372-2388	Pope	855	1,000	11.0	11.1	4	1.5
501	2250-2492	TX Health	660	--	10.8	10.8	7	6
502	1630-1800	--	--	--	--	--	--	--
503	--	Pope	935	--	12.5	12.5	4.8	1.5
504	2524-2587, 2722-2833	Curtis	1,736	2,590	25.1	25.2	19	4
505	2153-2320	NTSC	694	--	10.5	10.5	2.1	10
506	1690-1801/1888	Tx Health	714	1,190	12.3	12.3	4	2
507	1347-1465/1328-1466	NTSC	848	--	12.9	12.8	0	3.1
508	2539-2916//2550-2720	Micro	1,005	1,170	12.6	12.6	4	1
509	2610-2808	Curtis	1,043	--	12.9	12.8	4.2	0.8
510	2609-2644	Curtis	1,279	--	16.0	16.0	9	5
511	--	Curtis	503	--	6.4	6.4	69	9
512	2550-2873	Curtis	1,076	--	13.2	13.3	5	1
513	2523-2946	Wood	992	1,200	12.6	12.5	3	.1
514	2331-2464/2493	NTSC	636	--	12.7	11.1	4	1.4
515	--	--	--	--	--	--	--	--
516	1450-1490, 1666-1670, 1682-1708, 1713-1768/1800	Curtis	1,615	1,170	12.8	12.8	8.2	3.8
517	/1880-1973	--	4,739	7,740	--	--	--	--

	Screen Depth/Depth of Water Sample//Depth of Log Analysis (feet)	Lab	TDS	Specific Conductance (µmhos/cm)	Anion Sum (meq/l)	Cation Sum (meq/l)	Ca^{++}	Mg^{++}
518	3730-3750	--	708	--	--	--	--	--
519	4490-4690	Curtis	1,431	1,554	17.2	17.3	2.3	0.5
520	--	Tx Test	455	780	8.7	11.0	9	1
521	4056-4256	Tx Test	630	1,250	12.1	10.3	9.2	0.2
522	3680-3730, 3800-3835	--	751	--	--	--	--	--
523	4030-4230	--	751	--	--	--	--	--
524	2060-2550	Curtis	428	498	5.5	5.5	35.9	13.2
525	140-180	Curtis	226	--	2.8	2.8	13.6	4.6
526	255-395	Wood	200	238	2.2	1.6	14	3
527	889-980	Micro	320	324	3.8	3.8	18	3
528	1510-1538, 1810-1878, 3192-3414, 3373-3398/1510-1538	Micro	6,824	8,700	101.2	101.2	180	62
529	1510-1538, 1810-1878, 3192-3414, 3373-3398/3192-3414	Micro	2,039	2,725	28.4	28.4	62	18
530	1510-1538, 1810-1878, 3192-3414, 3373-3398/1810-1878	Micro	7,154	9,160	103.5	103.6	230	82
531	1510-1538, 1810-1878, 3192-3414, 3373-3398/1810-1878	Micro	2,102	2,854	29.4	29.4	63	18
532	--	Pope	277	340	3.7	3.7	50	2.9
533	310-340	Tx Health	670	1,147	12.4	12.4	95	41
534	235-250, 256-298	Pope	530	600	6.9	6.9	86.5	7.3
535	220-250	Pope	298	410	4.1	4.1	51.3	6.8
536	790-802, 850-870, 888-932, 954-980, 990-1000, 1020-1036	Pope	322	380	4.3	4.3	40.8	7.8
537	725-855, 880-925	Pope	490	550	6.2	6.3	22.4	5.9
538	855-870, 880-910	Pope	479	550	6.2	6.2	16	3.4
539	574-600, 608-668, 716-770	Curtis	286	285	3.3	3.3	43.4	0.5
540	329-349, 369-389, 407-437//342-57	Micro	475	555	5.9	5.9	9	1
541	97-118	Curtis	494	534	5.6	5.7	3	1
542	405-519	Curtis	724	850	8.8	8.9	2	0.3
543	310-380	ANA	312	590	5.1	3.8	0.6	0.2
544	700-860	Pope	1,127	1,200	14.0	14.0	1.6	0.5
545	520-650	Pope	413	480	5.5	5.5	2.4	1.7
546	465-565, 1492-1512/465-565	Micro	217	286	2.7	2.8	4	3
547	465-565, 1492-1512/1492-1512	Micro	2,289	2,550	28.9	28.9	2	1
548	1402-1516//1415-1440	Pope	2,764	3,000	38.4	38.4	5	2
549	1200	Pope	1,966	2,050	26.2	26.3	3	1.1
550	852-873, 883-925	Pope	196	240	2.8	2.9	33.7	0.2
551	635-645, 670-685, 705-715/635-645	Campbell	1,704	--	26.3	26.3	27	12
552	635-645, 670-685, 705-715/705-715	Campbell	1,904	--	29.4	29.4	19	9
553	192-222	Curtis	484	581	5.9	5.9	3.8	1.1
554	473-493, 430-520	Micro	1,342	1,630	18.1	18.3	2	0.5
555	473-493, 430-520	Micro	1,316	1,630	17.6	17.8	2	0.5
556	800-860	Pope	639	790	8.3	8.3	5.6	1
557	1113-1133	Curtis	17,177	28,700	294.7	293.7	303	65
558	102-147	--	342	--	--	--	--	--
559	/235	Tx Health	1,660	2,398	22.6	22.9	3	1
560	230-270	Pope	457	460	5.8	5.8	4	1
561	585-665	Curtis	1,319	1,725	17.5	17.5	1.7	0.4
562	598-642	Curtis	1,536	1,980	21.0	21.0	2.4	0.4
563	150-170, 334-384	Micro	1,466	1,900	19.8	19.8	2	0
564	450-500	Micro	1,158	1,510	15.5	15.6	1	1

	Screen Depth/Depth of Water Sample//Depth of Log Analysis (feet)	Lab	TDS	Specific Conductance (µmhos/cm)	Anion Sum (meq/l)	Cation Sum (meq/l)	Ca⁺⁺	Mg⁺⁺
565	465-530	Wood	1,087	1,420	14.7	14.8	2	0
566	200, 350, 450/200	--	2,619	2,380	39.5	37.9	171	98
567	200, 350, 450/350	--	2,618	--	45.0	45.0	297	130
568	200, 350, 450/450	--	2,969	2,800	40.3	38.8	190	92
569	1255-1420	Curtis	709	734	8.6	8.6	4	1
570	1250-1424	Micro	660	728	8.1	8.1	2.5	0.9
571	1410-1530	Pope	479	525	6.3	6.3	2.4	0
572	492-612	Pope	251	300	3.3	3.3	32	5.8
573	610-728/650-696, 712-721	Wood	308	367	3.7	3.7	30	5
574	660-830	Wood	1,284	1,600	15.9	16.4	1	0.5
575	992-1105	Wood	3,334	4,920	50.5	50.7	5	1
576	1025-1105	Wood	3,825	7,170	59.0	59.2	7	2
577	1050-1070	Wood	3,765	6,050	58.4	58.6	6	2
578	500-550	Pope	749	--	9.1	9.1	3.2	0.3
579	410-458	Curtis	392	--	4.5	4.5	3	1
580	550-570	Curtis	413	421	4.6	4.6	1.4	0.3
581	530-700	Curtis	431	408	4.8	4.7	1	0.3
582	621-666	Curtis	893	936	10.8	10.8	1	0.3
583	510-695	Wood	325	367	3.9	3.9	3	1
584	634-647	Curtis	597	--	6.9	6.8	0	0
585	530-551	Curtis	453	418	5.1	5.1	2	0.4
586	695-837, 696-915, 697-727, 879-907, 935-965/695-837	Curtis	1,227	--	15.7	15.7	3.4	1.1
587	695-837, 696-915, 697-727, 879-907, 935-965/696-915	Curtis	1,358	--	18.0	18.0	2	0.4
588	695-837, 696-915, 697-727, 879-907, 935-965/697-727	Curtis	1,019	--	12.0	12.1	2.4	0.7
589	695-837, 696-915, 697-727, 879-907, 935-965/935-965	Curtis	1,631	--	22.9	23.0	8.6	3.1
590	890-1035	Micro	2,592	3,090	37.0	37.3	3	0.5
591	550-590, 630-650	Pope	519	600	6.6	6.6	2.4	0
592	446-468, 482-490, 516-534, 583-589	--	--	--	--	--	--	--
593	--	--	--	--	--	--	--	--
594	--	--	--	--	--	--	--	--
595	787-807	Micro	5,412	8,400	84.1	84.1	15	5
596	315-335	Micro	323	333	3.6	3.6	1.5	0
597	565-585	Wood	1,209	1,740	16.8	16.8	20	1
598	247-267	Wood	686	830	8.8	8.7	28	1
599	260-300	Wood	3,878	6,710	63.8	63.8	177	9
600	424-464	Wood	2,219	3,640	34.9	34.9	49	3
601	--	--	--	--	--	--	--	--
602	105-125	Wood	985	1,360	13.8	13.9	24	1
603	105-128	Wood	638	814	8.5	7.0	37	4
604	480-503	Wood	1,398	1,850	19.1	19.2	31	2
605	--	--	--	--	--	--	--	--
606	151-171	Wood	1,035	1,240	13.4	13.4	26	1
607	260-270, 363-373, 495-505, 721-731/260-270	Campbell	1,365	--	22.6	15.0	20	10
608	260-270, 363-373, 495-505, 721-731/363-373	Campbell	1,439	--	23.4	15.7	20	15
609	260-270, 363-373, 495-505, 721-731/495-505	Campbell	1,544	--	25.6	17.0	18	8.6
610	260-270, 363-373, 495-505, 721-731/721-731	Campbell	1,769	--	29.8	17.0	32	18
611	240-665	Curtis	1,705	--	25.9	26.0	38	12

	Screen Depth/Depth of Water Sample//Depth of Log Analysis (feet)	Lab	TDS	Specific Conductance (µmhos/cm)	Anion Sum (meq/l)	Cation Sum (meq/l)	Ca^{++}	Mg^{++}
612	700-840, 985-1014, 1049-1072/700-840	Curtis	1,335	--	16.3	16.4	1.4	0.3
613	700-840, 985-1014, 1049-1072/985-1014	Curtis	1,694	--	23.3	23.3	2.4	0.4
614	700-840, 985-1014, 1049-1072/1049-1072	Curtis	2,581	--	37.0	37.9	6.2	11
615	845-1016	Pope	1,284	1,300	16.4	16.5	2.4	1
616	360-380, 380-430, 350-380	Pope	957	1,000	11.9	11.9	1.6	0.5
617	410-445, 405-455	Micro	1,334	1,645	17.7	17.7	2	0
618	304-350	Pope	478	525	6.3	6.3	40.7	11.9
619	--	--	--	--	--	--	--	--
620	--	Pope	1,215	--	14.9	16.3	1.2	0.7
621	890-930	Pope	793	850	10.5	10.6	1.6	0.5
622	1204-394	Pope	1,302	1,750	18.2	18.2	2	0.5
623	652-715	Pope	217	--	2.8	2.8	8.8	3.9
624	698-731, 736-794	Pope	162	200	2.1	2.1	6.4	1.5
625	566-586, 649-669	Wood	486	694	6.6	6.6	9	3
626	492-512	Wood	98	135	1.2	1.2	6	3
627	575-595	Wood	120	144	1.4	1.4	7	2
628	840-1001	Wood	358	445	4.2	4.3	5	1
629	722-742	Curtis	344	--	3.5	3.6	5	2
630	623-643	Wood	179	225	2.1	2.1	9	2
631	849-900	Micro	222	243	2.8	2.7	8	2
632	865-980	Curtis	401	423	4.7	4.7	4.1	0.5
633	--	--	--	--	--	--	--	--
634	904-979	Wood	381	420	4.5	4.5	3	0.5
635	240-316, 370-400, 464-494, 586-666	Micro	264	312	3.1	3.1	2	0
636	760-773	Pope	594	600	7.4	7.4	2	1
637	--	Pope	168	190	2.1	2.1	14.4	3.7
638	915-960	Pope	840	900	10.7	10.7	1.6	0.5
639	940-1045	Wood	1,315	1,520	16.6	16.7	2	0
640	855-870	Curtis	560	590	6.5	6.6	2	1
641	503-525, 600-620	Curtis	134	--	1.2	1.2	4	1
642	600-620, 874-894, 860-990	Curtis	217	--	2.3	2.3	12	4
643	860-990	Curtis	220	--	2.4	2.4	8	2
644	920-1010	Wood	184	206	2.0	2.0	16	4
645	709-812	Wood	333	363	4.0	4.0	3	1
646	830-852	Wood	310	330	3.6	3.6	1	0.5
647	1064-1144	Wood	844	1,070	10.8	10.8	2	0
648	932-982//970-990	Micro	191	187	2.2	2.2	4	1
649	710-805//765-800	Curtis	221	225	2.3	2.5	10	3
650	1070-1120//1110-1145	Wood	188	197	2.2	2.2	5	1
651	710-800	Wood	235	260	2.7	2.8	2	1
652	712-828	Wood	263	220	3.2	3.2	2	0.5
653	315-475//315-400	Wood	618	767	7.6	7.6	17	8
654	300-488	Wood	633	716	8.1	7.9	22	11
655	340-350, 410-420, 460-470	--	--	--	--	--	--	--
656	192-212	Curtis	9,376	13,800	154.7	154.8	555	328
657	/635	Pope	784	850	10.1	10.1	1.6	0.5
658	682-688, 700-712	Pope	675	700	8.8	8.8	2.4	1

	Screen Depth/Depth of Water Sample//Depth of Log Analysis (feet)	Lab	TDS	Specific Conductance (μmhos/cm)	Anion Sum (meq/l)	Cation Sum (meq/l)	Ca^{++}	Mg^{++}
659	750-842	Pope	802	900	10.3	10.3	1.6	1
660	285-300	Curtis	738	--	9.0	9.1	5	1
661	628-776	Curtis	930	--	11.6	11.7	1	1
662	1075-1315	Micro	1,011	1,220	13.4	13.4	2	1
663	1071-1293	Micro	1,011	1,215	12.8	12.8	2	2
664	958-1090	Curtis	1,225	--	15.9	15.7	3	1
665	470-585	Pope	756	820	9.9	12.1	0.8	0.5
666	1084-1134	Pope	1,380	1,650	18.9	18.9	4	1
667	1305-1446	Pope	1,274	--	17.1	17.1	10	0.7
668	1400-1500	Micro	1,122	1,405	14.6	14.8	3	1
669	714-828	Southwestern	581	--	15.2	15.7	4.8	0.1
670	1244-1267, 1273-1297, 1302-1326, 1331-1338	Pope	2,539	3,000	41.2	41.2	22	10
671	642-656, 660-690	Pope	797	900	10.3	10.4	1.6	1
672	--	Pope	1,187	1,320	15.6	15.6	8.8	1.9
673	950-990, 1020-1030, 1070-1080, 1100-1104	Curtis	1,261	--	16.1	16.2	4	0.5
674	1374-1560	Wood	1,067	1,330	14.0	14.0	2	1
675	245-925	Curtis	1,233	--	15.5	15.6	4	1
676	1572-1582	Micro	1,557	2,160	21.6	21.7	6	1
677	1522-1610	Micro	1,585	2,190	21.9	22.0	4	1
678	1500-1573	Pope	1,734	2,200	25.8	25.8	6	2
679	--	Pope	1,618	1,820	23.5	23.5	5	2
680	--	--	--	--	--	--	--	--
681	1001-1313	Curtis	1,121	--	13.9	14.4	2	0
682	1004-1326	Curtis	1,116	--	13.9	13.9	3	1
683	1279-1340	Curtis	1,052	--	13.3	13.4	1	1
684	530-550	Curtis	919	--	11.2	11.2	6	0.4
685	--	Curtis	1,248	--	15.6	15.7	5.5	1
686	1188-1315	Curtis	1,202	--	15.4	11.1	3	0.5
687	1293-1434	--	--	--	--	--	--	--
688	1340-1600	Curtis	1,215	--	15.5	15.8	3	1
689	/90-130	Pope	356	550	4.8	5.2	28	11
690	230-400, 2800-3070, 3014-3034/230-400	Wood	1,139	1,340	14.3	14.4	8	2
691	230-400, 2800-3070, 3014-3034/3014-3064	Wood	1,981	2,800	28.0	28.2	69	16
692	--	Pope	32	50	0.4	0.5	1.6	1.5
693	88-139	Pope	32	50	0.4	0.5	1.6	1.5
694	366-429, 474-516	Pope	522	600	6.9	6.9	5.6	0.5
695	218-282, 370-420	Pope	496	580	6.5	6.5	6.4	0.7
696	295-315	Micro	141	160	1.6	1.7	9	3
697	174-194, 263-283, 354-374, 476-496, 533-553, 1295-1315/174-194	Curtis	75	--	0.6	0.6	2	0.5
698	174-194, 263-283, 354-374, 476-496, 533-553, 1295-1315/354-374	Curtis	219	--	2.3	2.3	6	2
699	174-194, 263-283, 354-374, 476-496, 533-553, 1295-1315/476-496	Curtis	543	--	6.6	6.6	5	1.5
700	174-194, 263-283, 354-374, 476-496, 533-553, 1295-1315/1295-1315	Curtis	2,141	--	30.9	30.9	3	1
701	417-524	--	244	465	--	--	--	--
702	400-490	Curtis	434	469	4.9	5.1	3.3	0.7
703	322-345	Wood	412	490	5.0	5.0	5	1
704	475-495, 524-600	--	838	1,560	--	--	--	--
705	530-560/510-600	Curtis	412	438	4.8	4.8	2.9	0.7

	Screen Depth/Depth of Water Sample//Depth of Log Analysis (feet)	Lab	TDS	Specific Conductance (µmhos/cm)	Anion Sum (meq/l)	Cation Sum (meq/l)	Ca^{++}	Mg^{++}
706	--	--	--	--	--	--	--	--
707	110, 160, 210, 260, 310, 360/110	Southwestern	560	--	10.2	10.1	105	30
708	330-515/493-516	Micro	524	726	7.4	7.4	1.5	0
709	330-385, 460-470, 474-515	--	170	--	--	--	--	--
710	300-500	Pope	243	320	3.2	3.2	6.8	0.7
711	410-467	--	106	170	--	--	--	--
712	274-304	--	184	298	--	--	--	--
713	409-439, 459-479	--	174	287	--	--	--	--
714	208-233, 245-270/210-240	Micro	504	640	6.5	6.5	5	1
715	408-428	Micro	230	262	2.7	2.7	16	5
716	790-860, 995-1023, 1140-1152, 1185-1260	Curtis	593	691	7.3	7.4	32	1
717	615-1205	Curtis	571	712	6.4	7.0	40	1
718	770-1295	Curtis	575	705	7.2	7.2	29	0.6
719	--	--	--	--	--	--	--	--
720	352-584	Curtis	502	675	6.5	6.5	90.6	6.1
721	1400-1425	Curtis	640	752	8.3	8.3	4.4	0.9
722	--	Pope	217	240	2.9	2.9	4	1.5
723	--	Southwestern	516	872	4.6	6.2	26	0.2
724	382-392	Curtis	560	769	7.6	7.5	55	16
725	433-454	Curtis	751	1,075	10.5	10.5	49	22
726	184-205	Curtis	1,622	2,540	24.9	24.9	119	41
727	412-433	Curtis	2,579	4,373	42.1	42.1	116	48
728	185-383	Curtis	525	685	6.9	8.9	65	16
729	215-415	Curtis	541	732	7.2	7.2	46	21
730	180-420	Curtis	579	773	7.7	7.7	48	18
731	200-385	Tx Electric	617	--	--	--	--	--
732	220-250	Pope	257	400	3.9	3.9	42.4	7.8
733	--	--	4,226	6,870	--	--	--	--
734	1890-1945	--	1,896	3,200	--	--	--	--
735	620-950, 740-790, 890-940	Curtis	2,553	--	40.5	40.5	65	15
736	1557-1567, 40-48/1557-1567	Curtis	9,413	--	141.3	141.6	546	145
737	1557-1567, 40-48/40-48	Curtis	920	--	12.7	12.6	38	19
738	2935-3155	Southwestern	848	--	--	16.0	3	0.9
739	3046-3135	Orlando	809	--	11.7	12.8	2.4	2.2
740	800-1000	Tx Test	395	660	--	7.2	46	12
741	800-960	--	411	661	--	--	--	--
742	717-1017	--	177	302	--	--	--	--
743	1802-1948, 1959-2004	--	574	857	--	--	--	--
744	675-765	--	130	212	--	--	--	--
745	--	---	--	--	--	--	--	--
746	210-290, 275-300	Wood	643	862	8.8	8.9	102	12
747	210-290, 275-300	Wood	2,566	2,650	37.5	37.5	488	34
748	378-398	Curtis	996	--	13.1	13.2	4	1
749	291-372	Tx Health	720	1,200	11.1	11.2	6	2
750	--	Pope	396	460	5.1	5.1	4.8	1.4
751	833-853	Wood	347	392	4.1	4.1	1	0.5
752	270-310, 330-380	--	58	--	--	--	--	--

	Screen Depth/Depth of Water Sample//Depth of Log Analysis (feet)	Lab	TDS	Specific Conductance (μmhos/cm)	Anion Sum (meq/l)	Cation Sum (meq/l)	Ca^{++}	Mg^{++}
753	600-625, 590-730, 650-675	Micro	504	687	6.8	6.8	4	2
754	600-625, 590-730, 650-675	Micro	526	706	7.1	7.1	4	1
755	530-650, 565-580	Wood	385	500	5.0	5.0	2	1
756	336-442	Orlando	43	--	0.5	0.5	4.8	1.5
757	350-450	Wood	72	78	0.8	0.8	5	2
758	600-720	Wood	363	459	4.6	4.7	3	1
759	420-460, 475-496	--	63	88	--	--	--	--
760	387-413	Wood	588	797	8.1	8.1	11	0
761	272-297	Micro	215	251	2.6	2.6	7	2
762	270-334	Micro	225	246	2.7	2.8	5	2
763	274-294	Micro	161	189	2.0	2.0	8	3
764	806-826	Wood	1,200	1,620	16.4	16.4	6	1
765	310-350	Wood	157	180	1.8	1.8	6	1
766	532-552	Curtis	492	500	5.7	5.8	2	1
767	229-249	Curtis	264	287	3.2	3.1	16	3
768	229-249, 532-552, 288-308, 215-270	Curtis	607	698	7.3	7.3	4.2	1
769	659-678	Curtis	804	950	10.1	10.1	3	1
770	201-251	--	486	764	--	--	--	--
771	812-1022	Tx Test	295	575	--	--	53.4	11.9

	Na^+	Cl^-	HCO_3^-	$CO_3^=$	$SO_4^=$	F^-	NO_3^-	Mn^{++}	Fe	Si	Phen. Alk.	Methyl Orange Alk.	Total Alk.	Total Hardness	pH
1	76	5	192	0	16	0.1	0.3	<0.02	0.14	9	0	--	157	17	7.59
2	227	21	500	29	6	0.3	1	<0.02	0.44	13	24	--	458	2	8.71
3	429	83	--	--	--	--	--	--	--	--	--	--	--	5	8.3
4	198	15	449	19	16	0.2	0	0	0.13	--	16	--	400	8	8.8
5	233	14	437	22	92	0.1	0	0	0.25	--	18	--	394	4	8.6
6	102	15	161	14	56	0.1	0	0	0.08	--	12	--	156	14	8.8
7	159	14	305	24	37	--	--	--	0.24	13	20	--	290	4	8.85
8	46	8	132	0	16	0.1	0	0	0.1	--	0	--	108	34	7.5
9	64	15	142	10	16	0.1	0	0.03	0.06	--	8	--	132	30	8.2
10	30	20	68	2	36	--	--	--	0.1	17	2	60	--	61	7.65
11	332	15	723	77	3	--	--	--	0.1	19	64	720	--	26	8.9
12	356	32	110	372	48	--	--	--	0.1	20	310	710	--	32	10.4
13	160	52	342	12	0	--	--	--	0.2	20	10	300	--	28	8.25
14	384	32	878	48	0	--	--	--	0.2	17	40	800	--	12	8.65
15	167	48	329	24	6	--	--	--	0.1	20	20	310	--	21	8.5
16	198	104	337	12	0	--	--	--	0.1	13	10	296	--	14	8.3
17	332	216	464	30	0	--	--	--	0.2	18	25	430	--	14	8.5
18	71	7	183	12	2	--	--	--	0.1	14	10	170	--	24	8.3
19	89	10	244	12	13	--	--	--	0.3	16	10	220	--	52	8.2
20	21	20	55	0	57	--	--	--	1	11	0	45	--	86	6
21	154	11	--	--	--	--	--	--	--	--	--	--	--	8	--
22	209	14	422	24	50	0.3	0.8	0.02	0.1	13	20	--	386	5	8.63
23	438	80	--	--	--	--	--	--	--	--	--	--	--	5	--
24	259	28	595	22	2	0.5	1	<0.02	0.07	12	18	--	524	4	8.28
25	367	112	751	17	1	--	--	--	0.16	15	14	--	644	5	8.5
26	361	109	730	22	0	--	--	--	0.64	12	18	--	634	5	8.5
27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
28	158	48	287	13	19	0.6	0.1	<.02	0.19	14	11	--	257	3	8.63
29	95	36	150	0	38	--	--	--	0.34	53	0	--	123	6	7.27
30	153	39	283	0	54	0.4	3	<.02	0.27	12	0	--	232	12	8.41
31	117	35	227	0	48	0.8	0.4	0.03	0.22	23	0	--	186	31	8.08
32	5,433	8,500	464	0	0	--	--	--	0.1	16	0	380	--	549	7.9
33	677	580	732	36	0	--	--	--	1.5	16	30	660	--	11	8.7
34	190	64	360	18	0	--	--	--	0.7	15	15	310	--	4	8.6
35	168	16	244	26	99	--	--	--	0.08	12	22	--	244	3	8.9
36	136	12	232	18	60	0.4	0.1	0.07	0.1	14	15	--	220	4	8.6
37	175	19	299	0	105	--	--	--	0.16	14	0	--	245	1	8.13
38	189	21	342	0	98	0.4	0.5	<.05	<.05	13	0	--	280	1	8.13
39	186	17	288	22	106	--	--	<.05	0.1	13	18	--	272	2	8.85
40	132	11	285	0	36	0.3	0.8	<.02	0.15	13	0	--	234	2	8.04
41	143	15	249	12	67	--	--	--	0.1	14	10	224	--	4	8.53
42	403	163	744	26	0	1.1	0	0	0.09	--	22	--	653	6	8.5
43	44	29	--	--	--	--	--	--	--	--	--	--	--	--	7.7
44	82	48	--	--	--	--	--	--	--	--	--	--	--	--	7.6
45	209	60	--	--	--	--	--	--	--	--	--	--	--	15	8.2
46	235	35	--	--	--	--	--	--	--	--	--	--	--	7	7.68
47	23	30	--	--	--	--	--	--	--	--	--	--	--	244	7.8

	Na^+	Cl^-	HCO_3^-	$CO_3^=$	$SO_4^=$	F^-	NO_3^-	Mn^{++}	Fe	Si	Phen. Alk.	Methyl Orange Alk.	Total Alk.	Total Hardness	pH
48	253	43	--	--	--	--	--	--	--	--	--	--	--	13	--
49	244	44	--	--	--	--	--	--	--	--	--	--	--	12	8.1
50	166	27	307	0	72	0.5	--	<.05	0.06	22	0	--	252	15	8.2
51	180	30	352	0	52	0.42	--	0.05	0.1	25	0	--	289	13	8.4
52	184	35	348	0	80	0.41	--	<.05	0.15	0	0	--	285	11	8.2
53	155	15	282	7	65	0.42	--	<.05	0.05	35	--	--	300	14	8.3
54	27	33	--	--	--	--	--	--	--	--	--	--	--	227	7.7
55	30	54	227	0	60	0.3	--	10	1.05	19	0	--	186	258	7.3
56	379	228	361	20	188	--	--	--	0.1	--	--	--	--	24	8
57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
58	463	315	405	14	237	1.5	0	0	0.02	--	12	--	356	40	8
59	455	286	447	14	220	--	--	--	0.1	11	12	390	--	35	8.1
60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
62	213	157	--	--	--	--	--	--	--	--	--	--	--	320	7.9
63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
65	9	12	315	0	22	0.3	--	<.01	<.1	--	0	--	258	--	7.5
66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
68	195	25	371	24	53	0.4	0	0	0.1	--	20	--	344	10	8.6
69	205	142	299	6	0	--	--	--	0.2	18	5	255	--	10	8.32
70	312	322	422	14	0	--	--	--	0.2	--	--	--	--	--	---
71	246	51	493	0	0	--	--	--	0.1	9	0	404	--	9	8.12
72	317	71	683	24	0	--	--	--	0.05	10	20	600	--	12	8.27
73	268	60	620	0	4	0.7	0.4	0	0	21	0	--	510	14	7.9
74	263	85	524	0	51	0	0	0	5.9	21	--	--	--	30	8.4
75	222	50	510	0	0	0.4	0.5	0	0.1	18	--	--	418	8	8.3
76	126	28	275	6	5	--	--	--	2	29	5	235	--	9	8.38
77	230	48	534	0	1	0.44	--	<0.05	0.01	7	0	--	438	12	8.4
78	223	45	483	0	3	0.34	--	<0.05	0.29	3	0	--	396	18	8.3
79	187	44	383	19	13	0.3	0.1	0.02	0.1	12	16	346	--	14	8.28
80	--	--	--	--	--	--	--	--	---	--	--	--	--	--	--
81	188	47	395	6	17	0.5	2.2	0.02	0.06	18	10	--	344	8	8.27
82	834	551	1,110	72	12	3	0.5	0.03	0.74	14	60	--	1,030	14	8.17
83	695	256	1,330	36	0	3.1	<0.10	0.03	0.55	15	30	--	1,150	10	8.3
84	2,902	3,752	1,391	0	2	1.9	2.5	<0.02	4.9	22	0	--	1,140	129	7.67
85	450	137	934	19	0	1.7	0	0	0.6	--	16	--	798	12	8.2
86	15	18	27	0	3	--	--	--	0.57	21	0	--	22	18	6.99
87	33	16	254	0	58	--	--	--	0.51	8	0	--	208	220	8.18
88	147	19	295	0	53	--	--	--	0.05	11	0	--	242	4	8.7
89	148	30	268	22	24	--	--	--	0.34	12	18	--	256	2	8.7
90	95	25	210	5	10	4	0	4	0.08	--	4	--	180	20	8.4
91	652	620	702	0	2	--	0.2	--	--	18	--	--	--	--	8
92	81	96	210	0	47	0.1	0.1	0.03	0.5	16	0	172	--	176	6.93
93	813	809	647	24	91	0.3	0.04	0.05	0.15	13	--	--	570	38	8.6
94	1,565	2,485	--	--	--	--	--	--	10	--	--	--	--	--	7.93

	Na^+	Cl^-	HCO_3^-	$CO_3^=$	$SO_4^=$	F^-	NO_3^-	Mn^{++}	Fe	Si	Phen. Alk.	Methyl Orange Alk.	Total Alk.	Total Hardness	pH
95	73	8	188	0	2	--	--	--	9	6	0	154	--	9	8.14
96	179	64	--	--	38	--	--	--	--	11	--	--	280	2	8.4
97	258	61	539	24	0	0.6	0	--	0.01	--	20	--	482	6	8.5
98	153	27	295	17	28	0.7	0	0	0.05	--	14	--	270	4	8.5
99	355	43	799	28	16	1	0	0.01	0.25	--	24	--	703	8	8.7
100	115	13	--	--	--	--	--	--	--	--	--	--	--	8	8.4
101	124	13	261	11	22	--	--	--	0.48	9	9	--	232	6	8.6
102	191	1	495	0	1	--	--	--	0.61	1	0	--	406	8	8.42
103	363	32	803	55	0	--	0	--	0.4	--	46	750	--	10	8.62
104	168	11	383	24	0	--	0	--	0.2	--	20	354	--	8	8.6
105	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
106	190	14	420	30	4	--	--	--	0.1	19	25	394	--	7	8.45
107	190	12	458	14	0	--	--	--	0.05	--	12	--	399	4	8.33
108	162	10	361	2	42	--	--	--	0.1	--	2	300	--	6	7.68
109	181	15	386	29	13	0.6	1	0.02	0.13	--	24	--	370	6	3.4
110	97	26	150	0	43	--	--	--	--	--	--	--	--	9	--
111	398	64	874	38	0	1.4	0.5	0.02	0.36	11	32	--	780	8	8.63
112	399	61	--	--	--	--	--	--	--	--	--	--	--	5	8.8
113	510	170	--	--	--	--	--	--	--	--	--	--	--	10	8.6
114	193	16	434	0	0	--	--	--	0.02	10	0	--	356	3	8.6
115	199	20	--	--	--	--	--	--	--	--	--	--	--	5	--
116	60	5	149	0	21	--	--	--	2.7	21	0	--	122	20	8.6
117	244	38	391	21	121	1.3	0	0	0.3	--	18	--	356	6	8.3
118	207	36	298	34	105	0.8	0	0	0.12	--	28	--	300	10	8.7
119	378	315	248	12	84	0.7	0	0	0.08	--	10	--	305	14	8.5
120	180	22	291	18	130	0.86	--	--	0.2	--	--	--	--	18	8.5
121	336	57	556	29	149	3	0	0	0.12	--	24	--	504	10	8.7
122	430	150	586	18	220	--	--	--	0.5	--	--	--	--	22	8.2
123	299	27	556	24	112	--	--	--	0.2	10	--	--	--	8	8.6
124	222	25	390	21	96	0.7	0	0	0.12	--	18	--	356	8	8.8
125	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
126	580	640	305	18	91	--	--	--	0.15	14	15	280	--	19	8.25
127	3,430	3,840	242	0	2,727	--	--	--	20	54	--	--	198	998	7
128	153	20	266	22	53	1	0	0	0.2	--	18	--	254	516	8.4
129	27	24	268	0	41	0.7	5	0.05	--	--	--	--	220	236	7.8
130	380	350	393	5	32	1.9	0	0	0.28	--	4	--	330	30	8.2
131	188	20	359	38	27	0.4	0.5	0	0.03	--	32	--	358	8	8.8
132	176	9	376	26	24	0.4	0	0	0.02	--	22	--	352	8	8.6
133	394	217	445	0	207	--	--	--	0.23	10	0	--	365	30	8.3
134	395	222	363	36	212	2	2.8	0.03	0.05	--	30	--	358	34	8.3
135	380	145	517	19	170	--	--	--	--	--	--	--	--	12	8.35
136	285	22	512	30	125	--	--	--	0.15	20	25	470	--	9	8.8
137	316	24	483	22	197	--	--	--	0.05	17	--	--	--	--	8.7
138	390	142	525	14	195	2.2	0.6	<.02	0.14	16	12	--	454	15	8.05
139	404	176	549	43	112	1.6	1.6	<.2	12	13	38	--	486	13	8.82
140	305	101	473	22	103	2	--	--	0.2	19	--	--	--	11	8.4
141	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

	Na^+	Cl^-	HCO_3^-	$CO_3^{=}$	$SO_4^{=}$	F^-	NO_3^-	Mn^{++}	Fe	Si	Phen. Alk.	Methyl Orange Alk.	Total Alk.	Total Hardness	pH
142	331	38	493	36	196	--	--	--	0.3	14	30	464	--	3	8.5
143	546	330	257	8	700	--	--	--	0	--	--	--	265	230	8.4
144	418	100	500	18	325	--	--	--	0.12	16	15	--	--	13	8.1
145	405	126	556	17	219	--	--	--	0.2	15	14	484	--	13	8.6
146	303	20	444	36	188	1	0	0	0.08	--	30	--	424	10	8.6
147	317	92	478	29	125	--	--	--	0.1	--	--	--	--	11	8.5
148	340	32	508	22	239	--	--	--	--	--	--	--	--	8	8.55
149	656	206	915	0	380	--	--	--	0.4	17	0	750	--	11	8.1
150	352	63	427	58	233	1.1	0	0	0.04	--	48	--	446	12	9.1
151	273	20	464	24	146	--	--	--	0.05	12	20	--	420	7	9.2
152	285	74	454	22	114	2	0	0	0.06	--	18	--	408	10	8.5
153	346	87	471	29	201	2.4	--	--	0.3	--	--	--	--	14	8.4
154	358	101	423	19	204	1.9	0.6	-	0.1	--	32	--	436	12	8.2
155	--	26	391	54	4	--	--	--	0.3	--	27	--	445	10	8.8
156	621	185	698	0	498	4	5	--	--	13	--	--	--	23	8
157	624	196	683	18	482	--	--	--	0.3	9	15	590	--	16	8
158	629	194	647	42	491	--	--	--	0.1	19	35	600	--	20	8.42
159	520	107	580	4	500	3	<.4	<.1	0.56	--	3	--	480	12	8.4
160	422	88	451	24	388	--	--	--	0.3	12	20	410	--	21	8.3
161	344	106	520	28	149	--	--	--	0.2	16	22	470	--	14	8.3
162	348	97	539	12	163	1.5	0.9	0.02	0.11	20	10	--	462	16	8.26
163	513	300	569	26	129	--	--	--	0.07	12	22	510	--	21	8.5
164	313	28	529	30	156	--	--	--	0.1	17	25	484	--	7	8.7
165	586	190	786	0	350	--	--	--	0.3	16	0	644	--	11	8.25
166	444	68	586	0	379	--	--	--	0.2	15	0	480	--	8	8.3
167	586	190	780	0	350	--	--	--	0.3	0	0	644	--	11	8.25
168	330	86	532	6	150	--	--	--	0.15	12	5	446	--	8	8.35
169	367	96	549	6	208	--	--	--	0.3	18	5	460	--	18	8.32
170	839	68	330	18	1,490	--	--	0.04	1.4	16	15	300	--	127	8.1
171	395	105	486	22	304	2	0	0	0.02	--	18	--	434	40	8.2
172	375	104	271	29	240	2	2	0	0.2	--	24	--	434	16	8.3
173	378	100	464	29	260	2	0	0	0.3	--	24	--	428	18	8.3
174	368	97	495	10	255	2	0	0	0.09	--	8	--	422	24	8.1
175	1,042	150	500	12	1,615	--	--	--	1.4	16	10	430	--	60	8.1
176	413	98	590	0	264	2.3	0.3	--	0.6	--	--	--	--	40	8
177	275	58	386	43	126	--	--	--	0.29	11	36	--	388	4	8.78
178	281	111	415	70	4	--	--	--	0.12	10	29	--	456	6	9.12
179	271	60	432	25	109	1.2	--	--	0.08	11	21	--	396	4	9.03
180	298	124	473	52	0	1.7	--	--	0.54	10	43	--	474	5	9.05
181	242	43	428	47	37	1.6	1.3	0.03	0.08	11	39	--	429	6	8.74
182	275	57	417	43	101	1	1.2	0.03	<.05	10	36	--	414	4	8.8
183	232	47	400	42	40	--	--	--	0.06	10	35	--	398	2	9.18
184	825	960	589	0	0	--	--	--	--	15	0	466	--	29	8
185	226	22	332	76	76	1.2	--	--	trace	--	--	--	--	42	8.3
186	273	29	480	44	89	1.5	0	0	0.12	--	37	--	466	6	8.7
187	229	30	383	38	9	1	0	0	0.05	--	32	--	378	6	8.9
188	200	11	261	60	114	0.3	0.22	--	0.12	--	--	--	--	6	9.2

	Na^+	Cl^-	HCO_3^-	$CO_3^=$	$SO_4^=$	F^-	NO_3^-	Mn^{++}	Fe	Si	Phen. Alk.	Methyl Orange Alk.	Total Alk.	Total Hardness	pH
189	213	27	310	28	125	0.1	0	0	0.1	--	24	--	301	6	8.7
190	246	20	382	59	104	0.45	0.9	--	0.01	--	--	--	470	10	8.9
191	225	22	356	60	70	0	0	--	0	--	--	--	--	10	8.8
192	302	143	405	24	88	0.9	0	0	0.08	--	20	--	372	10	8.8
193	288	30	547	29	83	1.5	0	0	0.12	--	24	--	496	8	8.5
194	252	31	435	43	78	1	0	0	0.07	--	36	--	428	6	8.7
195	234	18	426	36	76	0.7	0	0	0.05	--	30	--	410	6	8.9
196	179	7	322	41	52	0.1	0	0	0.05	--	34	--	332	6	9
197	272	16	503	25	11	1.3	0.6	--	0.05	--	21	--	454	4	8.46
198	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
199	221	20	398	26	87	--	--	--	0.15	12	22	370	--	12	8.7
200	770	370	820	0	427	4.1	<.4	<.01	0.12	--	0	--	670	25	8.2
201	207	20	359	30	82	--	--	--	0.1	15	25	344	--	9	8.85
202	522	568	339	0	83	0.6	1.2	<.02	0.05	11	0	--	278	32	7.8
203	326	206	403	22	64	0.6	<.4	<.1	0.02	326	18	--	366	7	8.8
204	310	105	461	48	70	1.1	0.5	0	0.05	--	40	--	458	8	8.6
205	512	535	343	10	94	--	--	--	0.04	0	--	--	--	21	8.3
206	512	535	343	10	94	--	--	--	0.04	0	--	--	--	21	8.3
207	362	322	287	20	92	0	0.62	--	trace	--	--	--	--	19	8.6
208	254	30	364	72	90	0.9	0	0	0.04	--	60	--	418	2	9.1
209	394	335	332	19	90	0.6	0.7	<.02	0.1	14	16	--	304	14	8.3
210	892	1,210	278	5	72	0.8	0	0.02	0.08	--	4	--	236	79	8.1
211	338	252	478	5	20	0.9	0	0	0.06	--	4	--	400	41	8
212	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
213	--	37	--	--	44	0.38	0	0.04	0.13	--	--	--	232	156	7.61
214	88	39	286	0	47	0.32	0	0	0.21	--	0	--	234	146	7.7
215	87	40	278	0	40	0.5	0	0	0.65	--	0	--	228	136	7.8
216	436	301	273	6	288	0.8	0	0.02	0.08	--	6	--	236	12	8.08
217	344	124	383	19	225	0.83	0	0.03	0.18	--	16	--	346	10	8.44
218	248	404	224	0	367	--	--	--	0.1	12	0	184	--	600	7.48
219	330	800	220	0	110	1	--	--	0.06	--	0	--	180	750	7.9
220	584	454	325	1	483	--	--	--	0.55	20	--	--	268	141	8.33
221	167	121	256	0	25	--	--	--	0.08	13	0	--	210	43	8.34
222	78	51	146	0	39	--	--	--	0.05	17	0	120	--	4	7.78
223	2,567	3,850	0	0	893	3.2	--	<0.05	0.08	--	0	--	290	1,070	7.7
224	104	56	171	0	73	--	--	--	0.05	18	0	149	--	69	8.05
225	131	97	171	0	88	--	--	--	0.07	16	0	140	--	85	7.92
226	175	306	175	0	30	--	--	--	0.07	21	0	82	--	166	8.2
227	75	64	110	6	30	--	--	--	0.8	18	5	100	0	60	8.37
228	576	960	79	6	174	--	--	--	0.09	17	5	75	--	366	8
229	205	356	98	0	21	--	--	--	0.05	14	0	80	--	160	8
230	94	46	153	0	62	--	--	--	0.05	20	0	125	--	50	8.1
231	100	48	177	0	62	--	--	--	0.05	21	0	145	--	5	7.7
232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
233	161	145	183	0	79	--	--	--	0.07	29	0	--	150	86	8.06
234	1,072	2,480	163	0	403	--	--	--	0.77	28	0	--	134	1,720	7.74
235	302	564	78	0	65	--	--	--	0.49	28	0	--	64	270	7.55

	Na^+	Cl^-	HCO_3^-	$CO_3^=$	$SO_4^=$	F^-	NO_3^-	Mn^{++}	Fe	Si	Phen. Alk.	Methyl Orange Alk.	Total Alk.	Total Hardness	pH
236	153	216	134	6	78	–	–	–	0.1	17	5	120	–	172	8.2
237	134	106	161	12	63	0.8	–	–	0.1	14	10	152	–	75	8.3
238	166	152	151	12	69	1	–	–	0.1	14	10	144	–	69	8.3
239	247	300	134	0	141	–	–	–	0.15	34	0	110	–	144	8.1
240	598	740	146	0	290	–	–	–	0.15	30	0	120	–	166	8.15
241	660	1,120	68	0	63	–	–	–	0.05	14	0	56	–	579	7.87
242	899	1,530	51	0	81	–	–	–	0.05	12	0	42	–	734	7.8
243	429	176	630	10	164	2.8	0	0.02	0.5	–	8	–	532	19	8
244	508	114	754	18	324	3.2	–	.1	0.2	15	–	–	–	12	8.5
245	541	112	775	46	306	4.2	0	0.01	0.25	–	38	–	711	12	8.5
246	588	147	833	31	334	4	0	0.02	0.17	–	26	–	735	10	8.3
247	749	272	933	27	427	–	–	–	0.4	–	–	–	–	–	–
248	273	74	459	24	84	1.2	0.5	–	0.11	18	–	–	–	14	8.3
249	553	102	671	12	483	–	–	–	0.2	12	10	570	–	15	8.4
250	287	67	465	19	127	–	–	–	0.65	14	16	–	413	15	8.41
251	278	84	449	26	79	–	–	–	–	–	–	–	–	10	8.4
252	520	77	590	0	496	3.2	<.4	<.01	0.2	–	0	–	484	14	8.3
253	270	250	360	20	82	1.9	0.75	–	0.1	–	–	–	–	61	8
254	803	320	903	60	455	–	–	–	1.2	12	50	840	–	23	8.42
255	20	23	348	0	10	0.27	–	–	–	12	0	–	285	285	7.72
256	21	23	351	0	12	0.15	–	–	–	13	0	–	288	288	7.45
257	34	25	298	5	32	–	–	–	0.3	16	4	252	–	249	7.98
258	26	30	329	0	27	0.6	3	0.01	0.06	–	0	–	270	284	7.5
259	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
260	20	19	372	0	10	–	–	–	0.1	12	0	–	305	300	7.4
261	26	32	329	0	30	0.6	3	0.01	0.02	–	0	–	270	290	7.4
262	329	60	429	12	256	1.6	0.6	trace	0.16	–	–	–	–	10	8.5
263	322	57	444	22	220	1.8	0	0	0.25	–	18	–	400	10	8.4
264	314	56	598	48	125	3	1.21	–	0.08	–	–	–	–	646	8.6
265	409	102	681	43	123	–	–	–	3	20	36	63	–	14	8.6
266	175	18	348	11	51	–	–	–	1.1	9	9	–	303	3	8.38
267	81	9	195	2	12	0.1	0	0.01	0.03	–	2	–	164	14	8.3
268	5	7	7	0	4	–	–	–	0.1	12	0	6	–	10	4.85
269	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
270	17	9	10	0	23	–	–	–	3	36	0	8	–	8	4.3
271	314	48	793	0	0	–	–	–	0.1	19	0	650	–	36	8.2
272	319	50	805	0	0	–	–	–	1	17	0	660	–	40	8.15
273	319	53	805	0	0	–	–	–	0.4	18	0	660	–	40	8.03
274	40	18	128	0	12	–	–	–	–	–	–	–	–	56	7.7
275	40	18	128	0	12	0.1	0.4	–	2.8	53	–	–	–	56	7.7
276	131	26	299	0	22	–	–	–	0.05	12	0	245	–	8	8.28
277	137	22	300	0	34	–	–	–	0.06	23	0	–	246	15	8.42
278	129	18	281	0	36	0.06	–	–	0.06	23	0	–	246	15	8.42
279	163	32	338	16	12	–	–	–	–	–	–	–	–	–	7.8
280	120	13	–	–	–	–	–	–	–	–	–	–	–	10	8.6
281	93	9	210	0	27	0.2	0.3	<.02	0.05	11	0	–	192	11	7.39
282	56	13	182	0	17	–	–	–	0.75	10	0	–	149	64	7.21

	Na^+	Cl^-	HCO_3^-	$CO_3^=$	$SO_4^=$	F^-	NO_3^-	Mn^{++}	Fe	Si	Phen. Alk.	Methyl Orange Alk.	Total Alk.	Total Hardness	pH
283	180	58	354	13	2	–	–	–	0.65	10	11	–	311	5	8.77
284	94	8	–	–	–	–	–	–	–	–	–	–	–	17	8.1
285	156	39	315	19	0	0.3	0	0	0.06	–	16	–	290	6	8.7
286	137	18	278	29	13	0.3	0.3	nil	0.1	–	24	–	276	18	8.7
287	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
288	137	18	–	–	–	–	–	–	–	–	–	–	–	18	8.7
289	93	25	295	0	47	0.57	0.88	0	0.37	–	0	–	242	124	7.9
290	13	27	–	–	–	–	–	–	–	–	–	–	–	265	6.9
291	35	30	295	0	69	0.67	0	0	0.17	–	0	–	242	284	7.75
292	89	37	246	0	12	–	–	–	0.2	26	0	–	202	73	7.9
293	731	1,580	178	4	85	–	–	–	0.1	5	–	–	–	375	–
294	675	915	322	4	0	–	–	–	0.7	16	3	270	–	96	7.97
295	2,200	3,520	328	4	0	–	–	–	0.5	30	3	275	–	472	7.7
296	40,330	71,000	126	0	0	–	–	–	23	8	0	–	103	12,550	6.87
297	431	530	354	0	244	–	–	–	0.5	26	0	290	–	259	7.77
298	16	26	57	0	32	0.2	0.4	0	0	31	0	–	47	76	7.1
299	1,109	660	1,798	18	7	–	–	–	2	19	15	1,468	–	35	8.3
300	20	30	162	0	35	<0.1	0.09	–	–	15	0	–	133	155	8.1
301	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
302	195	60	390	12	17	0.5	0.4	0.05	1.4	19	10	–	340	13	8.3
303	106	13	250	0	17	0.4	<.4	–	–	21	–	–	205	5	8.3
304	66	120	198	0	18	–	–	–	0.02	21	0	–	162	216	7.72
305	99	155	232	0	58	–	10	–	0.05	29	0	–	190	262	7.5
306	314	570	203	0	540	–	–	–	0.6	31	0	–	166	860	7.58
307	235	316	217	0	286	–	–	–	0.26	15	0	–	178	410	7.7
308	571	112	744	12	446	–	–	–	1	18	10	630	–	13	8.35
309	379	46	744	36	92	–	–	–	0.3	20	30	670	–	9	8.67
310	325	38	605	38	108	3	0	0	0.19	–	32	–	560	18	8.5
311	231	16	479	16	68	1.2	0.4	0.05	0.24	–	13	–	0	7	–
312	399	63	710	29	149	–	–	–	0.1	–	24	630	–	7	8.5
313	90	10	204	8	15	–	1.6	0.22	1.6	–	0	–	181	18	8.4
314	92	10	206	0	17	1	1.6	0.94	0.4	–	0	–	169	4	7.54
315	315	76	549	24	86	–	–	–	0.1	–	20	490	–	6	8.6
316	204	12	383	26	72	0.8	1	0.02	0.36	–	22	–	358	3	8.7
317	367	57	683	44	86	1.2	0.2	–	–	–	37	–	634	6	8.6
318	310	74	545	24	81	1.5	0.2	0.03	0.08	–	20	–	487	6	8.2
319	116	8	278	0	19	1.3	0.4	0.16	1.2	–	0	–	228	11	8
320	296	112	404	29	105	1	0.5	0.15	–	12	24	–	379	7	8.3
321	296	112	404	29	105	1	0.5	0.15	1.3	–	24	–	379	7	8.3
322	213	28	352	31	8	0.7	5.5	0.07	0.05	–	26	–	341	8	8.3
323	277	42	450	21	111	0.6	7.5	–	–	–	18	–	–	21	8.3
324	163	18	317	18	44	–	–	–	1	–	15	290	–	7	8.55
325	144	22	170	42	74	–	–	–	0.25	–	35	210	–	5	9.31
326	129	11	275	6	28	–	–	–	0.1	20	5	235	–	2	8.45
327	322	122	476	36	81	–	–	–	0.1	14	30	450	–	7	8.78
328	184	19	362	0	77	–	–	–	0.05	–	0	–	296	4	8.48
329	184	20	350	13	69	–	–	–	6	–	11	–	309	8	8.6

	Na^+	Cl^-	HCO_3^-	$CO_3^=$	$SO_4^=$	F^-	NO_3^-	Mn^{++}	Fe	Si	Phen. Alk.	Methyl Orange Alk.	Total Alk.	Total Hardness	pH
330	206	23	414	0	78	--	--	--	0.08	10	0	--	339	4	8.45
331	386	35	869	0	92	--	--	--	17	12	0	--	722	18	7.92
332	225	63	376	29	54	0.36	0	0	0.18	--	24	--	356	12	8.8
333	344	194	561	12	3	--	--	--	--	20	10	480	--	10	8.48
334	841	970	586	0	0	--	--	--	--	16	0	480	--	22	8.1
335	599	628	--	--	--	--	--	--	--	--	--	--	--	127	--
336	140	20	282	22	15	0.3	10	0	0.2	--	18	--	267	8	8.1
337	618	456	659	26	0	--	--	--	--	14	22	584	--	12	8.22
338	292	128	--	--	--	--	--	--	--	--	--	--	--	8	8.2
339	113	22	246	0	24	--	--	--	3.2	7	0	--	202	11	8.17
340	387	435	295	0	6	--	--	--	0.14	10	0	--	242	19	8.36
341	380	422	295	0	7	--	--	--	0.96	8	0	--	242	19	8.55
342	78	25	166	0	25	--	--	--	1.4	9	0	--	136	28	8.52
343	81	22	171	0	32	--	--	--	0.39	8	0	--	140	29	7.65
344	514	637	270	11	27	--	--	--	3.9	10	0	--	239	30	8.52
345	83	19	177	0	28	0.4	0.3	<0.02	0.08	7	0	--	145	21	7.9
346	228	139	379	0	4	1	0.5	0.02	0.07	--	0	--	311	14	7.6
347	60	90	256	0	12	5.4	--	0	0	40	0	--	210	228	7.4
348	--	164	366	26	72	--	--	--	0.4	--	0	--	300	510	7.4
349	436	536	237	19	2	--	--	--	1.5	9	16	--	226	36	3.62
350	74	14	181	7	0	0.1	0	0	0.1	--	6	--	160	19	8.4
354	173	64	312	22	15	--	--	--	0.3	16	18	292	--	22	8.6
352	42	49	195	0	6	0	0.1	0	0.03	--	0	--	160	144	7.4
353	105	36	323	0	22	--	--	--	0.56	13	--	--	--	110	8
354	181	66	388	0	7	--	--	--	0.28	--	--	--	--	25	7.9
355	460	409	516	19	0	--	--	--	0.6	13	16	455	--	34	8.5
356	89	27	242	0	12	0.9	0	0.03	0.18	--	0	--	198	54	7.9
357	129	48	278	12	7	0.5	0.5	0	0.08	--	10	--	248	42	8.2
358	780	780	805	0	4	--	--	--	1	20	0	660	--	74	7.95
359	41	43	195	0	20	0.4	0	0	0.07	--	0	--	160	152	7.3
360	148	70	334	0	21	0.4	0	0	0.13	--	0	--	274	72	7.9
361	122	30	276	10	6	1	0	0	0.08	--	8	--	232	16	8.3
362	36	47	188	0	10	0.3	0.5	0	0.05	--	0	--	154	152	7.7
363	41	45	195	0	14	0.2	0	0	0.05	--	0	--	160	149	7.4
364	35	35	200	0	6	0.9	0	0.13	0.05	--	0	--	164	144	7.1
365	425	255	708	0	0	3	1.2	<.02	0.11	14	0	--	580	24	7.78
366	323	156	506	36	18	--	--	--	0.1	20	30	475	--	14	8.9
367	255	100	434	24	30	--	--	--	0.1	16	20	396	--	15	8.65
368	3,388	5,660	296	0	38	--	--	--	0.3	11	0	242	--	897	7.61
369	3,387	5,660	295	0	38	--	--	--	0.2	--	0	242	--	897	7.6
370	35	42	193	0	12	0.3	0	0	0.07	--	0	--	159	155	7.6
371	47	39	217	0	14	--	--	--	0.4	29	0	--	178	146	8.4
372	157	59	366	0	5	--	--	--	0.15	16	0	--	300	46	8.15
373	283	63	--	--	--	--	--	--	--	--	--	--	--	4	8.5
374	301	73	617	29	0	1.8	0.5	0.02	0.48	10	24	--	554	8	8.55
375	664	750	468	16	0	--	--	--	0.21	12	13	--	410	23	8.5
376	8	9	60	5	4	--	--	--	0.1	15	4	57	--	57	8.05

	Na^+	Cl^-	HCO_3^-	$CO_3^{=}$	$SO_4^{=}$	F^-	NO_3^-	Mn^{++}	Fe	Si	Phen. Alk.	Methyl Orange Alk.	Total Alk.	Total Hardness	pH
377	118	112	120	7	0	--	--	--	0.3	18	6	110	--	12	8.33
378	60	17	--	--	--	--	--	--	--	--	--	--	--	38	--
379	114	8	--	--	--	--	--	--	--	--	--	--	--	9	8.4
380	128	28	273	6	8	--	--	--	0.2	20	5	234	--	5	8.48
381	46	6	140	0	10	--	--	--	0.05	16	0	115	--	35	7.68
382	141	26	--	--	--	--	--	--	--	--	--	--	--	11	--
383	132	28	--	--	--	--	--	--	--	--	--	--	--	16	--
384	69	5	--	--	--	--	--	--	--	--	--	--	--	9	--
385	81	53	201	0	26	0.2	0.01	0.02	0.05	16	0	165	--	92	7.55
386	26	27	--	--	--	--	--	--	--	--	--	--	--	95	7.3
387	51	6	--	--	--	--	--	--	--	--	--	--	--	68	8.4
388	23	23	--	--	--	--	--	--	--	--	--	--	--	56	7.7
389	82	10	--	--	--	--	--	--	--	--	--	--	--	22	8.7
390	146	34	--	--	--	--	--	--	--	--	--	--	--	11	--
391	932	1,248	336	0	460	--	--	--	0.1	10	0	275	--	487	7.85
392	886	1,160	317	0	484	--	--	--	0.1	13	0	260	--	473	7.85
393	393	250	339	0	234	--	--	--	0.21	10	0	--	278	20	8.3
394	891	866	410	26	566	--	--	--	--	10	22	380	--	251	8.4
395	951	972	444	29	568	--	--	--	--	12	24	412	--	305	8.35
396	1,301	1,935	127	6	659	--	--	--	--	16	5	124	--	700	7.9
397	1,064	990	493	0	760	--	--	--	--	10	0	404	--	280	7.62
398	479	492	290	0	422	--	<.4	0.02	0.09	22	0	--	238	330	7.61
399	757	725	262	0	898	--	--	--	--	12	0	215	--	526	7.52
400	239	50	400	19	93	--	--	--	1	--	--	--	--	10	8.5
401	251	89	415	24	83	0.8	0.2	0	0.1	--	20	--	380	14	8.7
402	266	68	447	24	84	1.2	0	0	0.1	--	20	--	406	11	8.8
403	241	54	437	0	97	1.2	0.7	<0.02	0.17	14	0	--	358	14	8.1
404	203	30	349	24	78	1	0	0	0.05	--	20	--	327	8	8.6
405	207	28	386	12	80	0.6	0.6	<.02	0.07	10	10	--	336	11	8.31
406	205	28	364	20	76	0.6	0.7	<.05	6	10	17	--	332	7	8.68
407	41	14	122	0	1	0.6	0	--	--	--	--	--	--	50	7.7
408	130	53	233	13	1	--	--	--	0.27	--	11	--	213	6	8.39
409	56	9	156	0	1	--	--	--	0.2	--	0	--	128	20	8.2
410	139	17	--	--	--	--	--	--	--	--	--	--	--	3	8.2
411	107	7	--	--	--	--	--	--	--	--	--	--	--	4	--
412	353	184	408	0	590	--	--	--	0.6	16	0	337	--	443	7.47
413	11,043	16,300	151	6	4,566	--	--	--	0.05	20	5	134	--	3,935	7.97
414	6,457	8,680	156	6	4,030	--	--	--	0.05	12	5	138	--	2,783	7.97
415	5,589	7,160	144	6	3,808	--	--	--	0.6	26	5	128	--	2,066	7.92
416	304	120	369	26	123	1.5	8	0	0.37	--	22	--	370	10	8.1
417	435	139	634	24	194	2.7	0.6	0.11	0.4	--	10	--	500	13	8.9
418	792	400	972	6	360	4.5	0	0.03	0.05	--	5	--	807	24	8.2
419	357	42	666	22	140	3	--	0	0.3	--	18	--	582	12	8.3
420	410	360	512	0	0	--	--	--	0.2	8	0	420	--	39	8.05
421	22,400	41,000	120	0	0	--	--	--	8.9	17	0	--	98	9,250	6.9
422	24,188	43,750	110	0	220	--	--	--	6.4	17	0	--	90	9,400	7.25
423	74	12	198	5	3	--	--	--	0.2	12	4	170	--	30	7.97

	Na^+	Cl^-	HCO_3^-	$CO_3^=$	$SO_4^=$	F^-	NO_3^-	Mn^{++}	Fe	Si	Phen. Alk.	Methyl Orange Alk.	Total Alk.	Total Hardness	pH
424	16	8	63	0	8	0.2	2	0.07	0.25	--	0	--	52	38	6.5
425	2,511	4,146	295	0	10	--	--	--	0.82	20	0	--	242	640	7.73
426	5,300	9,250	300	0	2,420	--	--	--	0.1	52	0	--	246	4,300	7.9
427	6,880	12,000	253	0	2,390	--	--	--	0.86	145	0	--	207	4,650	7.9
428	2,183	3,400	478	0	587	--	--	--	0.46	17	0	--	392	1,050	7.62
429	456	380	622	25	3	--	--	--	0.18	22	21	--	552	98	8.62
430	1,278	1,900	388	0	1	--	--	--	0.05	28	0	--	318	220	7.42
431	1,710	2,700	376	0	1	--	--	--	0.05	31	0	--	308	400	7.06
432	6,798	12,480	271	0	95	--	--	--	2.5	20	0	222	--	2,640	7.4
433	443	295	403	0	217	2.4	4.5	<.02	0.19	19	0	--	330	18	8.38
434	819	510	320	22	776	--	--	--	--	13	18	298	--	45	8.3
435	724	485	386	15	581	--	--	--	--	68	14	344	--	56	8.12
436	250	59	425	24	76	1	0	0	0.06	--	20	--	388	6	8.7
437	255	38	434	22	115	1.9	0	0	0.04	--	18	--	392	12	8.6
438	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
439	224	18	425	38	51	0.8	0	0	0.05	--	32	--	412	4	9.1
440	298	35	410	24	230	1.8	0	0	0.06	--	20	--	376	16	8
441	432	279	647	14	4	2.3	0	0	0.06	--	12	--	555	14	8.3
442	839	640	1,156	7	8	1.5	0	0	0.02	--	6	--	960	46	7.9
443	54	24	220	0	63	0.1	0	0.04	0.02	--	0	--	180	163	7.7
444	686	448	1,087	5	8	0.5	0	0.01	0.02	--	4	--	899	47	8
445	383	38	427	17	422	3	0	0	0.06	--	14	--	378	38	8.5
446	254	51	447	24	82	1	0	0	0.06	--	20	--	406	12	8.7
447	236	41	366	30	108	--	--	--	0.2	12	25	350	--	8	8.75
448	236	51	429	19	64	1.5	0	0	0.07	--	16	--	384	10	8.8
449	237	49	368	34	92	0.6	0	0	0.04	--	28	--	358	8	8.6
450	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
451	980	300	2,057	0	18	4.3	--	<.05	0.35	37	0	--	1,686	42	8
452	740	700	744	24	15	--	--	--	0.1	16	20	650	--	40	7.95
453	830	765	885	13	36	--	--	--	8	86	11	748	--	60	8.06
454	1,046	991	1,094	22	13	--	--	--	9	88	19	934	--	72	8.2
455	1,391	1,311	1,489	9	5	--	--	--	11	125	7	1,235	--	64	8.03
456	1,710	985	443	0	2,100	--	--	--	0.05	16	0	--	363	215	8.26
457	731	408	429	34	600	--	--	--	0.05	11	28	--	408	19	8.5
458	739	356	454	46	640	--	--	--	0.27	17	38	--	448	10	8.75
459	486	536	254	10	131	--	--	--	0.2	21	8	224	--	61	8.15
460	880	895	688	46	0	--	--	--	0.2	27	38	640	--	25	8.52
461	606	660	421	6	77	--	--	--	0.1	12	5	355	--	53	8
462	473	328	212	0	692	--	10	--	--	16	0	--	174	336	8.3
463	332	280	285	0	255	0.8	--	<.05	0.08	21	0	--	234	150	7.9
464	348	264	4	0	8	--	--	--	0.03	--	--	--	--	--	7.8
465	157	77	266	12	95	0.6	0.89	0	0.24	--	10	--	238	8	8.7
466	191	52	--	--	--	--	--	--	--	--	--	--	--	16	--
467	168	66	--	--	--	--	--	--	--	--	--	--	--	44	7.9
468	289	197	--	--	--	--	--	--	--	--	--	--	--	224	7.6
469	420	140	898	0	2	--	--	--	0.1	59	0	--	736	23	7.9
470	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

	Na^+	Cl^-	HCO_3^-	CO_3^{--}	SO_4^{--}	F^-	NO_3^-	Mn^{++}	Fe	Si	Phen. Alk.	Methyl Orange Alk.	Total Alk.	Total Hardness	pH
471	270	201	381	0	68	0.5	--	<.05	0.29	3	--	--	--	--	--
472	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
473	58	45	218	0	117	0.5	0.6	0.08	2.8	27	0	--	179	235	7.8
474	268	85	521	20	0	2.3	0.4	<.02	0.06	16	17	--	461	4	8.65
475	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
476	58	20	176	0	30	0.1	0	0.18	0.05	--	0	--	144	78	7.7
477	26	15	105	0	20	0.3	0	3.9	1.4	--	0	--	86	72	6.7
478	59	31	183	0	10	0.3	0.5	0	0.05	--	0	--	150	77	7.8
479	49	30	135	0	9	--	--	--	2.64	24	0	--	111	57	6.7
480	136	33	281	0	23	0.1	<0.1	<.05	0.07	10	0	--	230	6	8.25
481	--	30	--	--	17	0.2	--	0.05	0.05	--	--	--	--	--	--
482	630	115	195	0	1,870	--	--	--	--	--	--	--	--	698	8
483	53	19	127	0	14	0.1	0.2	0	0.03	--	0	--	104	30	7.8
484	178	39	384	0	24	0.5	--	--	--	--	--	--	--	2	8.5
485	402	300	554	0	1	--	--	--	0.2	14	0	454	--	8	8.08
486	334	199	523	14	1	--	--	--	0.14	12	12	--	453	7	8.2
487	456	686	500	12	100	--	--	--	2	24	10	430	--	510	8
488	653	756	451	24	4	--	--	--	5	36	20	410	--	50	8.5
489	16	12	361	0	29	--	--	--	0.23	10	0	--	296	21	7.43
490	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
491	26	23	365	0	60	0.9	0	0	0.02	--	0	--	299	337	7.6
492	26	18	381	0	68	1	0	0.02	0.04	--	0	--	312	352	7.5
493	45	49	300	0	40	0.7	0	0	0.2	--	0	--	246	246	7.2
494	168	102	302	0	116	2.4	0	0.01	0.08	--	0	--	248	148	7.7
495	75	60	336	0	79	0.93	--	0	0.5	--	--	--	--	--	7.5
496	223	48	400	14	73	--	--	--	0.06	15	--	--	--	13	8.2
497	300	60	495	26	123	--	--	--	0.3	--	--	--	--	12	8.35
498	228	46	320	39	120	--	--	--	0	--	--	--	359	22	8.7
499	240	41	398	22	115	1.8	0	0	0.2	-	18	--	362	18	8
500	247	42	422	7	130	1.5	0	0	0.12	--	6	--	358	16	8.4
501	229	53	433	12	86	0.8	0.4	<.05	0.14	22	10	--	375	42	8.3
502	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
503	280	105	446	17	80	--	--	--	0.2	--	--	--	--	18	8.3
504	550	564	439	0	98	--	--	--	1.2	18	0	360	--	64	7.82
505	220	45	327	40	120	0.09	--	--	0.1	--	--	--	367	15	8.45
506	274	78	486	0	102	.1	<.4	<.05	0.24	--	0	--	398	18	8
507	289	168	300	24	115	--	--	--	0	--	--	--	--	13	8.9
508	283	54	514	0	125	--	--	--	0.15	23	0	--	411	12	8.07
509	288	44	493	22	137	--	--	--	0.15	16	18	440	--	14	8.2
510	348	76	522	14	230	--	--	--	0.07	22	12	452	--	44	8.1
511	50	80	198	7	30	--	--	--	0.5	20	6	174	--	209	7.87
512	298	45	500	12	162	--	--	--	0.1	20	10	430	--	16	8.23
513	283	54	490	10	129	--	--	--	0.2	22	8	--	418	14	8.45
514	248	68	496	14	105	--	0.04	--	0	9	--	--	510	510	8.5
515	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
516	278	44	400	24	202	1.1	0.2	0.01	0.2	32	20	368	--	36	8.16
517	1,870	1,840	--	--	--	--	--	--	--	--	--	--	--	18	--

	Na^+	Cl^-	HCO_3^-	$CO_3^=$	$SO_4^=$	F^-	NO_3^-	Mn^{++}	Fe	Si	Phen. Alk.	Methyl Orange Alk.	Total Alk.	Total Hardness	pH
518	267	83	--	--	--	--	--	--	--	--	--	--	--	15	8.9
519	393	88	615	0	64	--	--	--	0.1	46	0	668	--	8	8.25
520	241	51	342	0	81	0.42	0.2	0.03	0.6	--	--	--	280	26	7.5
521	226	18	659	0	38	1.03	0.6	0.6	0.53	--	--	--	540	34	8.3
522	232	83	--	--	--	--	--	--	--	--	--	--	--	6	8.5
523	290	72	--	--	--	--	--	--	--	--	--	--	--	6	8.1
524	60	35	188	10	52	0.9	0.1	0.02	0.1	18	8	166	--	129	8.15
525	40	48	76	0	9	--	--	0.03	0.35	13	0	62	--	53	6.3
526	16	31	78	0	0	0.1	<.4	0.4	13	42	0	--	64	54	6.4
527	61	7	207	0	9	0	--	--	--	15	0	--	170	59	8.2
528	2,003	1,050	334	0	3,175	--	--	--	0.5	16	0	--	274	705	8.2
529	547	156	333	0	889	--	--	--	2.8	25	0	--	273	230	7.6
530	1,962	1,100	303	26	3,200	--	--	--	1.2	19	22	--	292	910	8.5
531	569	174	372	0	882	--	--	--	7.4	19	0	--	305	232	7.52
532	23	31	156	0	14	0	0	0.06	0.1	--	0	--	128	136	7.7
533	98	91	540	0	49	0.2	<0.04	0.05	0.04	--	0	--	443	407	7.5
534	46	36	337	0	18	0.2	0	0.03	0.15	--	0	--	276	246	7.9
535	23	34	151	7	22	0.2	0	0	2.4	--	6	--	136	156	8.2
536	37	27	181	0	28	0.3	0	0.08	0.1	--	0	--	148	134	7.7
537	107	35	309	0	10	0.4	0	0.02	0.11	--	0	--	254	80	7.8
538	117	43	286	0	14	0.4	0	0	0.09	--	0	--	234	54	7.9
539	26	15	176	0	0	0.1	0.1	0.02	0.1	12	0	144	--	56	7.46
540	124	37	265	0	25	--	--	--	0.78	12	0	--	217	25	8.48
541	126	28	275	6	5	--	--	--	2	29	5	235	--	9	8.4
542	202	72	390	12	1	--	--	--	0.2	19	10	340	--	6	8.5
543	86	13	230	5	39	0.1	0.05	0.02	0.08	--	0	--	241	2	8.35
544	319	19	747	34	5	0.9	0	0	0.12	--	28	--	668	6	8.8
545	120	11	233	33	12	0.5	0	0	0.1	--	28	--	246	13	8.3
546	53	13	88	0	45	--	--	--	1.06	11	0	--	72	23	6.79
547	660	122	1,432	58	2	--	--	--	0.06	12	48	--	1,270	9	8.7
548	874	390	947	41	504	1.9	0.5	nil	0.2	--	34	--	844	20	8.2
549	598	127	778	36	418	3	0.2	0	0.1	--	30	--	698	12	8.4
550	27	9	85	27	14	0.2	0	0.01	0.05	--	22	--	114	85	9
551	552	597	223	12	260	--	--	--	5	16	10	202	--	117	8.2
552	638	657	202	6	355	--	--	--	2	16	5	175	--	84	8.15
553	129	58	259	0	0	--	--	--	0.3	17	0	212	--	14	7.98
554	417	231	649	29	0	1.1	1	0.03	0.74	10	24	--	580	6	8.4
555	405	213	659	24	0	1.2	0.3	0.02	0.07	10	20	--	580	6	8.48
556	182	66	346	0	36	1.1	0.4	trace	0.05	--	0	--	284	18	8
557	6,281	10,350	159	0	4	--	--	--	0.3	12	0	130	--	1,025	8
558	118	36	--	--	--	--	--	--	--	--	--	--	--	29	7.8
559	520	178	670	53	232	2	0.4	0.05	0.4	--	44	--	630	11	8.9
560	127	41	279	0	5	0.1	0.2	0	0.05	--	0	--	228	14	8
561	400	166	537	30	143	--	--	--	0.1	15	25	470	--	6	8.63
562	479	274	598	42	97	--	--	--	0.1	15	35	532	--	8	8.68
563	454	207	651	31	109	0.8	0.7	0.03	0.07	10	26	--	586	5	8.72
564	355	128	503	32	126	0.7	0.2	<.02	0.1	11	27	--	466	6	8.9

	Na^+	Cl^-	HCO_3^-	$CO_3^=$	$SO_4^=$	F^-	NO_3^-	Mn^{++}	Fe	Si	Phen. Alk.	Methyl Orange Alk.	Total Alk.	Total Hardness	pH
565	339	123	437	41	132	1.7	0.3	<0.02	0.07	11	34	--	426	5	8.88
566	490	700	227	2	768	--	--	--	--	--	--	--	189	631	7.88
567	448	710	220	3	1,024	--	--	--	--	--	--	--	182	1,277	7.9
568	501	700	156	1	864	--	--	--	--	--	--	--	130	854	7.96
569	191	46	405	19	0	0.3	0.1	0.01	0.1	25	16	364	--	13	8.46
570	182	41	416	0	7	--	--	--	0.22	11	0	--	341	10	8.3
571	141	21	278	31	5	0.1	0	0	0.15	--	26	--	280	6	8.7
572	29	25	148	0	10	0.1	0	0.04	0.02	--	0	--	122	104	6.9
573	41	21	185	0	6	0.1	<0.1	<0.05	0.05	20	0	--	152	97	7.62
574	374	64	783	37	1	2.2	1.2	0.02	0.29	11	31	--	704	4	8.25
575	1,157	1,224	888	44	0	2.6	1	<0.02	0.19	12	36	--	800	17	8.24
576	1,349	1,550	867	29	3	3.4	0.7	<0.02	0.21	12	24	--	760	25	8.21
577	1,336	1,540	815	48	1	2.8	0.8	<0.02	0.91	13	40	--	748	23	8.3
578	205	5	495	24	1	--	--	--	0.17	16	--	--	--	9	8.5
579	98	16	207	6	21	--	--	--	0.1	18	5	180	--	12	7.95
580	104	9	250	6	1	--	--	--	0.2	17	5	215	--	5	8.4
581	107	7	268	0	8	--	--	--	0.8	19	0	220	--	5	8.2
582	247	35	525	36	0	--	--	--	0.3	22	30	490	--	4	8.5
583	84	13	198	0	13	--	--	--	0.22	13	0	--	162	12	8.4
584	157	9	354	24	0	0.95	--	--	0.07	25	--	--	--	Trace	8.6
585	115	6	287	0	10	--	--	--	0.2	16	0	235	--	6	7.95
586	354	158	603	22	28	--	--	--	0.3	17	18	530	--	13	8.47
587	411	245	595	29	17	--	--	--	0.1	0	24	536	--	7	8.41
588	274	18	600	32	29	--	--	--	2	17	26	544	---	9	8.65
589	512	437	551	38	13	--	--	--	0.2	15	32	516	--	34	8.8
590	852	746	976	0	0	3.9	<0.1	<0.05	0.18	11	0	--	800	10	8.16
591	149	9	332	26	0	0.3	0	0	0.3	--	22	--	316	6	8.8
592	--	--	--	--	-	--	--	--	--	--	--	---	--	--	--
593	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
594	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
595	1,906	2,300	1,169	0	2	--	--	--	1.9	14	0	--	958	58	7.93
596	82	7	187	6	7	0.5	0.8	0.02	0.32	29	5	--	163	4	8.5
597	362	372	381	0	2	0.6	0.6	0.07	<.05	70	0	--	312	53	7.98
598	167	96	337	14	3	0.5	0.6	0.08	0.08	39	12	--	300	76	8.4
599	1,247	2,090	288	0	5	0.2	0	0.69	1.44	62	0	--	236	478	7.78
600	741	1,027	360	0	3	0.5	0.8	0.17	1.55	35	0	--	295	136	8.23
601	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
602	289	270	342	14	7	0.5	0.6	0.17	1.4	37	12	--	304	64	8.43
603	111	135	244	0	31	0.5	0.8	0.3	0.37	45	0	--	200	180	7.7
604	401	372	522	0	3	0.8	0.3	0.07	0.08	66	0	--	428	86	8.09
605	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
606	277	190	490	0	2	0.9	0.7	0.05	0.24	47	0	--	402	71	8.07
607	304	582	325	25	4	--	--	<0.1	0.2	8	21	287	--	30	8.53
608	310	612	344	12	4	--	--	<0.1	4	3	10	292	--	35	8.2
609	353	648	381	25	11	--	--	<0.1	0.5	10	21	333	--	27	8.46
610	321	832	356	12	5	--	--	<0.1	0.1	8	10	302	--	50	8.17
611	531	704	327	1	32	--	--	--	--	12	1	270	--	142	7.61

	Na^+	Cl^-	HCO_3^-	CO_3^{--}	SO_4^{--}	F^-	NO_3^-	Mn^{++}	Fe	Si	Phen. Alk.	Methyl Orange Alk.	Total Alk.	Total Hardness	pH
612	374	48	683	54	94	--	--	--	0.4	32	--	--	--	5	8.6
613	533	415	617	38	11	--	--	--	0.7	20	--	--	--	8	8.5
614	843	825	805	17	0	--	--	--	1.2	16	--	--	--	20	8.4
615	374	39	795	65	7	0.5	0.1	nil	0.3	--	54	--	760	10	9
616	272	17	622	28	16	0.1	0	0	0.09	--	24	--	557	6	8.4
617	404	182	717	22	3	--	--	--	0.34	7	18	--	624	5	8.5
618	76	39	280	10	14	0.8	6	0.02	0.02	--	8	--	246	151	8
619	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
620	372	17	752	62	0	--	--	--	0.08	11	--	--	--	6	8.8
621	240	49	412	43	46	0.8	0.5	0.03	0.1	--	36	--	410	6	8.6
622	416	247	566	48	19	0.6	3	0	0.15	--	40	--	544	7	8.6
623	46	10	132	0	16	0.1	--	--	0.1	--	--	--	--	38	7.9
624	38	6	90	5	14	0.2	0	0	0.07	--	4	--	82	22	8
625	136	87	194	0	48	0.2	0.8	0.05	0.88	--	0	--	159	36	7.83
626	15	13	37	0	11	--	--	--	4.1	13	0	--	30	27	6.95
627	20	5	63	0	12	--	--	--	1.6	11	0	--	52	27	7.68
628	91	6	212	0	29	0.1	0.4	0.02	0.1	14	0	--	174	15	7.9
629	74	13	153	0	31	--	--	--	1.6	25	0	130	--	21	7.55
630	35	5	102	0	16	0.1	0.8	0.05	1.7	9	0	--	84	32	7.16
631	50	5	106	0	42	--	--	--	0.47	9	0	--	87	28	7.22
632	103	13	238	0	21	--	--	--	0.1	7	0	195	--	12	8.1
633	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
634	100	11	234	0	19	0.2	0.1	0.05	0.06	13	0	--	192	10	8.52
635	69	7	167	0	8	--	--	--	0.15	10	0	--	137	5	8.5
636	166	11	384	19	10	0.3	0.5	0	0.2	--	16	--	347	10	8.3
637	26	5	107	0	12	0	0	0	0.03	--	0	--	88	51	7.6
638	244	29	505	31	28	0.5	0	0	0.07	--	26	--	466	6	8.7
639	381	144	766	0	0	1	0.1	0.05	0.07	12	0	--	628	4	8.42
640	148	25	323	0	25	--	--	--	0.2	15	0	265	--	5	8.25
641	20	10	44	0	8	--	--	--	5	20	0	36	--	14	5.9
642	31	7	110	0	13	--	--	--	0.4	11	0	90	--	46	7.25
643	42	8	110	0	17	--	--	--	0.1	8	0	90	--	28	7.42
644	19	12	85	0	13	0.1	0.1	0.05	2.7	32	0	--	70	58	7.17
645	86	5	206	0	22	0.1	0.1	0.05	0.11	15	0	--	169	11	7.67
646	81	8	198	0	7	0.1	0.1	0.03	0.35	14	0	--	162	4	8.14
647	246	100	483	0	2	0.4	0.1	0.05	0.09	11	0	--	396	5	8.49
648	45	4	116	0	11	--	--	--	<.05	10	0	--	95	14	8.32
649	40	5	126	0	10	--	--	--	0.05	14	0	103	--	37	7.85
650	43	4	112	0	12	0.1	0.02	0.54	0.08	10	0	--	92	18	8.25
651	60	4	151	0	5	0.2	1.4	<0.02	<0.05	11	0	--	124	6	7.8
652	70	4	145	0	32	0.2	0.2	0.03	0.35	9	0	--	119	6	7.57
653	141	22	378	0	39	0.6	0.5	<.02	<.05	12	0	--	310	77	7.55
654	136	24	376	6	50	0.3	0.6	0.02	0.07	13	0	--	308	99	7.6
655	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
656	2,302	3,660	171	0	2,336	--	--	--	2	20	0	140	--	2,737	7.8
657	229	18	437	34	63	1.4	0	0	0.04	--	28	--	414	6	8.7
658	198	15	371	43	42	1.3	0	0	0.2	--	36	--	376	10	8.6

	Na^+	Cl^-	HCO_3^-	$CO_3^=$	$SO_4^=$	F^-	NO_3^-	Mn^{++}	Fe	Si	Phen. Alk.	Methyl Orange Alk.	Total Alk.	Total Hardness	pH
659	234	19	447	34	65	0.7	0	0	0.03	--	28	--	422	8	8.7
660	202	11	378	54	35	--	--	--	0.1	24	45	400	--	14	9.15
661	265	25	444	36	117	--	--	--	0.1	12	30	424	--	7	8.85
662	303	50	447	46	150	--	--	--	0.27	--	38	--	442	10	8.55
663	289	67	549	0	94	--	--	--	0.11	8	0	--	450	14	8.58
664	356	90	508	26	199	--	--	--	0.2	14	22	460	--	13	8.55
665	277	18	408	53	48	0.8	0.5	0	0.05	--	44	--	422	4	8.9
666	429	165	533	31	216	1	0	0	0.2	--	26	--	489	14	8.4
667	380	132	532	24	184	--	--	--	0.3	12	--	--	--	28	8.7
668	334	64	478	20	205	2.5	2	0.07	0.13	12	17	--	426	11	8.43
669	356	36	524	60	175	1	2.5	0.05	0.1	6	--	--	530	0	8.45
670	902	1,220	281	5	98	0.2	0	0	0.12	--	4	--	238	98	8
671	235	22	424	38	72	1.3	2.3	0	0.2	--	32	--	412	8	8.8
672	344	45	444	19	307	1.8	4	0	0.1	--	16	--	396	30	8.3
673	367	88	512	30	205	--	--	--	0.2	13	25	470	--	12	8.65
674	318	77	483	26	148	--	--	--	0.07	12	22	--	440	10	8.71
675	353	66	586	6	183	--	--	--	0.1	15	5	490	--	13	8.35
676	489	308	572	0	172	--	--	--	0.26	9	0	--	469	19	8.57
677	500	317	570	0	176	1.6	1.4	--	0.05	12	0	--	467	16	8.4
678	583	516	456	19	150	0.7	0.5	0.06	0.08	--	16	--	406	23	8.2
679	530	404	493	17	166	1	0.2	0	0.1	--	14	--	432	20	8.3
680	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
681	328	84	525	24	101	--	--	--	0.07	18	20	470	--	5	8.58
682	315	60	515	29	133	--	--	--	0.05	18	24	470	--	12	8.55
683	305	72	512	34	86	--	--	--	0.1	14	28	476	--	6	8.44
684	250	26	464	26	94	--	--	--	0.3	18	22	424	--	16	8.55
685	352	44	500	26	253	--	--	--	0.2	17	22	454	--	18	8.49
686	250	96	500	36	156	--	--	--	0.1	11	30	470	--	9	8.55
687	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
688	358	104	537	24	142	--	--	--	0.3	14	20	480	--	10	8.6
689	66	67	104	0	58	0.2	0	0.7	22	--	0	--	85	113	6.7
690	317	140	628	0	3	0.6	0.4	0.04	0.1	40	0	--	515	27	7.6
691	539	340	522	0	474	3.7	1	342	15	16	0	--	428	240	8.08
692	6	10	10	0	0	0	3	0	0.03	--	0	--	8	10	5.7
693	6	10	10	0	0	0	3	0	0.03	--	0	--	8	10	5.7
694	152	55	282	14	12	0.5	0	0.01	0.04	--	12	--	256	16	8.6
695	141	46	277	12	13	0.3	0	0	0.02	--	10	--	247	19	8.3
696	22	3	89	0	5	0.6	0.6	<0.02	1.1	9	0	--	73	36	7.55
697	10	7	20	0	2	--	--	--	1.4	14	8	16	--	7	6
698	43	10	116	0	7	--	--	0.01	0.2	9	8	95	--	25	8
699	143	52	232	6	54	--	--	--	0.1	21	5	200	--	19	5
700	706	670	683	24	0	--	--	--	1.1	17	20	600	--	12	8.3
701	99	18	--	--	--	--	--	--	--	--	--	--	--	11	7.6
702	112	17	232	0	32	0.1	0.04	0.02	0.3	15	0	190	--	11	8.05
703	108	18	240	0	28	0.2	0.5	<.02	1.4	11	0	--	197	18	7.8
704	316	340	--	--	--	--	--	--	--	--	--	--	--	29	7.7
705	106	18	220	0	32	--	--	--	0.1	12	0	180	--	10	7.9

	Na^+	Cl^-	HCO_3^-	$CO_3^=$	$SO_4^=$	F^-	NO_3^-	Mn^{++}	Fe	Si	Phen. Alk.	Methyl Orange Alk.	Total Alk.	Total Hardness	pH
706	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
707	55	75	335	0	125	0.2	2	0	0	--	--	--	275	385	8
708	168	104	210	24	10	--	--	--	1.1	11	20	--	212	4	8.39
709	56	8	--	--	--	--	--	--	--	--	--	--	--	20	8.1
710	65	17	142	12	0	0	0.5	0	0.05	--	10	--	136	20	8.4
711	18	9	--	--	--	--	--	--	--	--	--	--	--	60	7.4
712	65	7	--	--	--	--	--	--	--	--	--	--	--	18	--
713	49	6	--	--	--	--	--	--	--	--	--	--	--	38	--
714	141	48	243	0	54	--	--	--	0.27	11	0	--	199	16	8.5
715	34	12	102	0	32	--	1.4	0.1	0.32	26	0	--	84	61	6.53
716	131	79	283	0	22	--	--	--	0.05	26	0	232	--	82	7.65
717	112	70	271	0	0	--	--	--	0.1	32	0	232	--	104	7.35
718	130	82	242	0	42	--	--	--	0.05	32	0	198	--	75	7.31
719	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
720	34	72	264	0	8	0.1	0.2	0.01	0.1	15	0	216	--	251	7.38
721	184	132	271	0	4	0.8	0.1	0.02	0.8	21	0	222	--	15	8.2
722	58	21	103	0	29	0.2	0	0	0.07	--	0	--	84	16	7.5
723	112	92	0	0	97	--	0.86	0.03	0.1	--	<1	--	123	6	7.7
724	80	98	192	0	80	--	--	--	0.3	14	0	158	--	204	7.9
725	144	166	220	0	107	2	--	--	0.1	26	0	180	--	213	8.05
726	359	518	222	0	318	2	--	--	0.1	20	0	182	--	466	8
727	745	1,216	182	4	226	2	--	--	0.1	14	3	155	--	488	8.3
728	99	60	183	0	105	--	--	--	0.05	32	0	150	--	228	7.7
729	74	68	217	0	83	--	--	--	0.05	8	0	178	--	201	7.6
730	88	84	220	0	83	--	--	--	0.05	16	0	180	--	194	7.47
731	--	230	--	--	166	--	--	--	--	45	--	--	--	246	7.6
732	27	77	71	0	29	0.2	2	0.05	0.8	--	0	--	58	138	7.3
733	--	1,280	--	--	1,110	--	--	--	--	--	--	--	--	31	--
734	770	600	--	--	--	--	--	--	--	--	--	--	--	19	8.3
735	829	1,040	159	18	384	--	--	--	--	11	225	160	--	225	8.45
736	2,354	1,300	98	0	4,950	--	--	--	0.2	16	Tr	80	--	1,962	7.7
737	209	216	317	12	48	--	--	--	<0.5	21	10	280	--	173	8.1
738	362	75	641	--	2	1	--	<.05	0.21	--	--	--	641	8	7.8
739	287	61	607	0	1	0.76	--	<0.05	0.27	27	--	--	498	15	7.9
740	91	44	--	--	53	0.49	0.2	0.02	0.12	--	--	--	246	166	7.68
741	109	38	--	--	--	--	--	--	--	--	--	--	--	118	7.5
742	27	34	--	--	--	--	--	--	--	--	--	--	--	90	6.8
743	212	37	--	--	--	--	--	--	--	--	--	--	--	16	7.7
744	17	32	----	--	--	--	--	--	--	--	--	--	--	--	6.4
745	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
746	64	51	140	0	242	1	2.9	0.04	0.17	28	0	--	115	304	7.7
747	239	71	43	0	1,670	0.8	2.4	0.04	0.36	18	0	--	35	1,360	8.69
748	297	220	342	12	45	--	--	--	0.2	22	10	300	--	14	8.25
749	246	164	340	0	41	0.2	0.4	0.05	0.08	--	0	--	279	21	8.3
750	109	22	227	7	24	0.6	0	0	0.08	--	6	--	198	18	8.3
751	92	11	217	0	11	0.1	1	0.05	1.2	13	0	--	178	5	7.89
752	4	5	--	--	--	--	--	--	--	--	--	--	--	17	6.5

	Na^+	Cl^-	HCO_3^-	$CO_3^=$	$SO_4^=$	F^-	NO_3^-	Mn^{++}	Fe	Si	Phen. Alk.	Methyl Orange Alk.	Total Alk.	Total Hardness	pH
753	149	80	195	0	65	--	--	--	2.1	9	0	--	160	17	8.14
754	156	86	204	0	65	--	--	--	0.1	10	0	--	167	16	8.19
755	111	45	182	0	35	--	--	--	0.06	9	0	--	149	8	8.29
756	3	1	27	0	3	0.1	--	<.05	1.7	10	0	--	22	18	6.2
757	10	4	41	0	3	--	--	--	1.4	14	0	--	34	20	6.6
758	103	40	171	0	34	0.2	1	0.02	0.12	10	0	--	140	10	8.35
759	7	6	--	--	--	--	--	--	--	--	--	--	--	21	6.2
760	174	83	251	38	18	0.3	1.2	<.02	1.2	11	32	--	270	28	9.07
761	49	8	124	0	16	--	--	--	0.32	9	0	--	102	24	7.28
762	54	8	129	0	18	--	--	--	0.11	10	0	--	106	19	7.23
763	30	5	94	0	13	--	--	--	1.5	8	0	--	77	161	6.9
764	369	264	547	0	0	0.4	0.5	0.05	0.37	12	0	--	448	19	8.47
765	33	1	97	0	11	0.1	0.2	0.05	0.32	10	0	--	80	20	7.47
766	128	19	311	0	2	--	--	--	0.6	16	0	255	--	7	7.9
767	48	9	122	0	46	--	--	--	0.18	9	0	100	--	54	7.6
768	162	64	329	0	6	--	--	--	0.05	20	0	270	--	14	8.2
769	228	100	420	12	0	--	--	--	0.15	16	10	364	--	12	8.34
770	185	57	--	--	--	--	--	--	--	--	--	--	--	18	--
771	--	35	--	--	24	0.22	0.3	0.21	0.26	--	--	--	208	183	7.51

SPECIFIC CONDUCTANCE AND TOTAL DISSOLVED SOLIDS CALCULATIONS PERFORMED ON THE WATER QUALITY DATA BASE

Section 2

This section documents the specific conductance and total dissolved solids calculations performed on the **WATER QUALITY DATA BASE** in Section 1 of this volume. These calculations were made in order to determine the accuracy at which specific conductance can be calculated from ionic concentrations and from an anion sum.

The Specific Conductance$_{(\text{Ion Conc.})}$ and Specific Conductance$_{(\text{Anion Sum})}$ calculations were also used to verify the accuracy at which various laboratories measure specific conductance (Specific Conductance$_{\text{Measured}}$). The data are discussed in Volume I, Chapter 2, the **Techniques for Calculating Specific Conductance** section. The specific conductance calculations are graphed in Figures 2-1 through 2-21. In Volume I, Appendix I, **GUIDELINES FOR VERIFYING THE ACCURACY OF WATER ANALYSES,** documents the methodology used to calculate Specific Conductance$_{(\text{Ion Conc.})}$, and Specific Conductance$_{(\text{Anion Sum})}$.

Sum TDS is the TDS value used in TDS-Specific Conductance graphs. Volume I, Chapter 3, **TOTAL DISSOLVED SOLIDS** and the **Preparing the Data** section in Chapter 4, Volume I, details the rationale used to calculate Sum TDS.

Four columns in the data base tabulations that follow are also found in the **WATER QUALITY DATA BASE** in Section 1: TDS, Specific Conductance (Measured), Anion Sum, and Lab.

EXPLANATION

TDS CALCULATION

TDS Total Dissolved Solids in either mg/l or ppm. Above TDS concentrations of 7,000 ppm, mg/l and ppm are not equivalent terms. (Refer to Chapter 3, Volume I.) TDS is from the water analysis and may include either 100 percent or 49.2 percent of the bicarbonate values. (Refer to the **Measurement Techniques** section in Chapter 3, Volume I.)

Sum TDS A TDS in either mg/l or ppm calculated by summing the seven common ions found on the water analysis (Ca, Mg, Na, Cl,

HCO_3, CO_3, and SO_4). Sum TDS includes 100 percent of the HCO_3 value (refer to the **Measurement Techniques** section in Chapter 3, Volume I for the rationale). The silica (Si) value has been excluded (refer to the **Preparing the Data** section in Chapter 4, Volume I). Fluorine, NO_3, Mn, and Fe concentrations were not included in the Sum TDS value because they occur in very minor concentrations (less than 1 mg/l) and were not analyzed in many water analyses.

% var. TDS The percent variation between TDS and Sum TDS. The equation is as follows:

$$\% \ var. \ TDS = \frac{Sum \ TDS - TDS}{TDS} \times 100$$

The variation is positive when Sum TDS is greater than TDS, which is usually due to only 49.2 percent of the HCO_3 concentration being included in the TDS value. The variation is negative when Sum TDS is smaller than TDS, which is usually due to the silica (SiO_2) and organic matter concentrations being excluded from the Sum TDS calculations.

SPECIFIC CONDUCTANCE CALCULATIONS

NaCl Equiv. NaCl (sodium chloride) equivalent in either mg/l or ppm. NaCl equivalent is an intermediate step in calculating specific conductance. It is calculated from the concentrations of seven ion species (Ca, Mg, Na, Cl, HCO_3, CO_3, and SO_4) by means of Figure AI-1, Appendix I, Volume I. For this data base NaCl equivalent was calculated from a computer program written by Energy Systems, Inc., Denver, Colorado.

Rw @ 75° F (Ion Conc.) Water resistivity in ohm-meters at 75° F. Rw at 75° F is calculated from the NaCl equivalent value by means of a Resistivity-TDS-Temperature Chart (see the **Specific Conductance from Ionic Concentrations** section in Appendix I, Volume I). For this data base Rw at 75° F was calculated from a computer program written by Energy Systems, Inc., Denver, Colorado.

Rw @ 77° F (Ion Conc.) Water resistivity in ohm-meters at 77° F. Rw at 75° F was standardized to 77° F (25° C) by the following equation:

$$Rw\ @\ 77°\ F = Rw\ @\ 75°\ F \times \frac{75}{77}$$

Equation 2-4 in Volume I explains the calculation.

Rw @ 77° F (Measured) Water resistivity in ohm-meters at 77° F. Rw at 77° $F_{(Measured)}$ was calculated from the Specific $Conductance_{(Measured)}$ column by means of Equation 2-2 in Volume I. The equation is as follows:

$$Resistivity\ (ohm-m) = \frac{10{,}000}{Specific\ Conductance}\ (\mu mhos/cm)$$

% var. S.C. (Ions) The percent variation between Specific Conductance $_{(Measured)}$ and Specific $Conductance_{(Ion\ Concentrations)}$. The equation is as follows:

$$\%\ var.\ S.C.\ (Ions) = \frac{Specific\ Conductance_{(Ion\ Conc.)} - Specific\ Conductance_{(Measured)}}{Specific\ Conductance_{(Measured)}} \times 100$$

Specific Conductance (Ion Conc.) Specific Conductance in μmhos/cm calculated from the individual ion concentrations. The following process was used to calculate this column.

$$NaCl\ Equiv. \rightarrow Rw\ @\ 75°\ F_{(Ion\ Conc.)} \times \frac{75}{77} = Rw\ @\ 77°\ F_{(Ion\ Conc.)}$$

and

$$Specific\ Conductance_{(Ion\ Conc.)} = \frac{10{,}000}{Rw\ @\ 77°\ F_{(Ion\ Conc.)}}$$

Refer to Equation 2-2 and the **Specific Conductance from Ionic Concentrations** section in Appendix I, Volume I, for documentation.

Specific Conductance (Measured) Specific conductance in μmhos/cm. This column is the measured conductivity value found on the water analysis. Some older lab analyses did not measure conductance.

Specific Conductance (Anion Sum)	Specific conductance in μmhos/cm from the anion sum in meq/l. This conductance value was calculated by multiplying the Anion Sum (meq/l) value by 100. Refer to the **Specific Conductance from meq/l** section in Appendix I, Volume I, for documentation.
% var. S.C. (Anion)	The percent variation between Specific $\text{Conductance}_{(\text{Measured})}$ and Specific $\text{Conductance}_{(\text{Anion Sum})}$. The equation is as follows:

$$\% \textit{ var. S.C. (Anion)} =$$

$$\frac{\textit{Specific Conductance}_{(\textit{Anion Sum})} - \textit{Specific Conductance}_{(\textit{Measured})}}{\textit{Specific Conductance}_{(\textit{Measured})}} \times 100$$

Anion Sum (meq/l)	The anion sum in meq/l of Cl, HCO_3, CO_3, and SO_4. F and NO_3 concentrations were not included in the calculation because the values are not measured in many water analyses and the concentrations are too small to affect the anion sum. See the **Anion-Cation Balance** section in Appendix I, Volume I, for the procedure.

WATER ANALYSIS LABORATORY

The laboratory which performed the water analysis.

ANA	ANA-Lab Corp.
Campbell	Campbell Laboratories
Core	Core Laboratories, Inc.
Curtis	Curtis Laboratories
EPWU	El Paso Water Utilities Public Service Board
Houston	Houston Laboratories
Hundley&Halff	Hundley & Halff
Jordan	Jordan Laboratories
Micro	Microbiology Service Laboratories
NTSC	North Texas State College
NTSU	North Texas State University
Orlando	Orlando Laboratories, Inc.
Pope	Pope Testing Laboratories
Southwestern	Southwestern Laboratories, Inc.
Tx Electric	Texas Electric Service Company

Tx Health	Texas Department of Health
Tx Test	Texas Testing Laboratories
USDI	US Department of the Interior
White	White Chemical International, Inc.
Wood	Edna Wood Laboratories

	TDS	Sum TDS	% var. TDS	NaCl Equiv.	Rw @75°F (Ion Conc.) (ohm-m)	Rw @77°F (Ion Conc.) (ohm-m)	Rw @77°F (Measured) (ohm-m)	% var. S.C. (Ions)	Specific Conductance (Ion Conc.) (µmhos/cm)	Specific Conductance (Measured) (µmhos/cm)	Specific Conductance (Anion Sum) (µmhos/cm)	% var. S.C. (Anion)	Anion Sum (meq/l)	Lab
1	304	295	-3	172	27.7	27	28.7	6.3	370	348	362	4.1	3.6	Wood
2	798	785	-2	449	11.1	10.8	11.4	5.5	928	880	988	12.3	9.9	Wood
3	991	--	--	--	--	--	6.1	--	--	1,650	--	--	--	--
4	700	700	0	393	12.6	12.2	12.5	2.1	817	800	875	9.4	8.7	Pope
5	799	799	0	477	10.5	10.2	12.5	22.7	982	800	1,021	27.6	10.2	Pope
6	353	353	0	227	21.3	20.7	22.2	7.4	483	450	470	4.5	4.7	Pope
7	553	540	-2	326	15	14.6	15.3	4.3	683	655	696	6.3	7.0	Micro
8	209	209	0	112	41.8	40.7	37	-8.9	246	270	272	0.8	2.7	Pope
9	257	257	0	163	29.1	28.4	33.3	17.4	352	300	342	13.9	3.4	Pope
10	212	177	-17	122	38.6	37.6	--	--	266	--	249	--	2.5	Curtis
11	1,215	1,159	-5	665	7.6	7.4	--	--	1,349	--	1,490	--	14.9	Curtis
12	988	929	-6	815	6.3	6.1	--	--	1,639	--	1,610	--	16.1	Curtis
13	630	576	-9	351	14	13.6	--	--	733	--	747	--	7.5	Curtis
14	1,407	1,346	-4	745	6.8	6.7	--	--	1,503	--	1,689	--	16.9	Curtis
15	632	581	-8	368	13.4	13	--	--	767	--	767	--	7.7	Curtis
16	698	656	-6	427	11.6	11.3	--	--	884	--	886	--	8.9	Curtis
17	1,103	1,047	-5	729	7	6.8	--	--	1,472	--	1,470	--	14.7	Curtis
18	321	285	-11	166	28.6	27.9	--	--	359	--	364	--	3.6	Curtis
19	438	387	-12	224	21.5	21	--	--	477	--	495	--	5.0	Curtis
20	214	183	-14	133	35.5	34.5	--	--	289	--	265	--	2.7	Curtis
21	353	--	--	--	--	--	18.2	--	--	550	--	--	--	--
22	735	721	-2	422	11.8	11.4	12.2	6.3	874	822	915	11.3	9.2	Wood
23	1,021	--	--	--	--	--	6	--	--	1,670	--	--	--	--
24	921	908	-1	505	9.9	9.6	9.2	-4.8	1,038	1,090	1,132	3.8	11.3	Wood
25	1,266	1,250	-1	740	6.9	6.7	7.2	7.5	1,494	1,390	1,606	15.5	16.1	Micro
26	1,238	1,224	-1	729	7	6.8	6.9	1.5	1,472	1,450	1,577	8.8	15.8	Micro
27	--	--	--	--	--	--	--	--	--	--	--	--	--	--
28	541	526	-3	330	14.9	14.5	15.2	5.2	690	656	689	5	6.9	Micro
29	374	321	-14	210	22.9	22.3	23.1	4	449	432	427	-1.3	4.3	Wood
30	546	533	-2	326	15	14.6	14.8	1.1	683	676	686	1.5	6.9	Micro
31	462	438	-5	276	17.6	17.2	17.9	4.2	582	559	571	2.1	5.7	Wood
32	14,596	14,576	0	14,226	0.4	0.4	0.4	1.5	24,859	24,500	24,739	1	247.4	Micro
33	2,066	2,029	-2	1,520	3.5	3.4	3.2	-3.5	2,971	3,080	2,956	-4	29.6	Micro
34	685	633	-8	393	12.6	12.3	13.3	8.5	816	752	831	10.4	8.3	Micro
35	566	554	-2	362	13.6	13.3	13.9	5	754	718	738	2.8	7.4	Wood
36	474	459	-3	288	16.9	16.5	17.6	6.7	606	568	599	5.5	6.0	Micro
37	613	598	-2	368	13.4	13	13.5	3.9	768	739	762	3.1	7.6	Micro
38	664	650	-2	393	12.6	12.2	12.7	3.9	817	786	824	4.8	8.2	Wood
39	633	620	-2	395	12.5	12.2	12.3	1.4	821	810	814	0.5	8.1	Micro
40	479	465	-3	266	18.3	17.8	18.8	5.6	562	532	573	7.7	5.7	Wood
41	533	488	-9	302	16.2	15.8	17.2	9.1	635	582	630	8.2	6.3	Curtis
42	1,340	1,339	0	831	6.1	6	6.7	11.3	1,670	1,500	1,766	17.8	17.7	Pope
43	343	--	--	--	--	--	17.5	--	--	570	--	--	--	--
44	390	--	--	--	--	--	16	--	--	625	--	--	--	--
45	568	--	--	--	--	--	11.2	--	--	895	--	--	--	--
46	538	--	--	--	--	--	10.5	--	--	955	--	--	--	--
47	332	--	--	--	--	--	18.1	--	--	554	--	--	--	--

	TDS	Sum TDS	% var. TDS	NaCl Equiv.	Rw @75°F (Ion Conc.) (ohm-m)	Rw @77°F (Ion Conc.) (ohm-m)	Rw @77°F (Measured) (ohm-m)	% var. S.C. (Ions)	Specific Conductance (Ion Conc.) (µmhos/cm)	Specific Conductance (Measured) (µmhos/cm)	Specific Conductance (Anion Sum) (µmhos/cm)	% var. S.C. (Anion)	Anion Sum (meq/l)	Lab
48	648	--	--	--	--	--	9.3	--	--	1,070	--	--	--	--
49	634	--	--	--	--	--	9.9	--	--	1,010	--	--	--	--
50	420	578	38	359	13.7	13.4	14.3	6.9	749	700	729	4.2	7.3	Orlando
51	590	619	5	365	13.5	13.1	--	--	761	--	770	--	7.7	Orlando
52	640	651	2	392	12.6	12.3	--	--	814	--	836	--	8.4	Orlando
53	538	530	-2	321	15.2	14.8	--	--	674	--	664	--	6.6	Orlando
54	325	--	--	--	--	--	--	--	--	--	--	--	--	--
55	438	467	7	346	14.2	13.8	--	--	724	--	649	--	6.5	Orlando
56	1,192	1,186	-1	879	5.8	5.7	--	--	1,760	--	1,694	--	16.9	Pope
57	--	--	--	--	--	--	--	--	--	--	--	--	--	--
58	1,449	1,447	0	1,086	4.8	4.6	--	--	2,156	--	2,094	--	20.9	Pope
59	1,493	1,434	-4	1,052	4.9	4.8	--	--	2,091	--	2,044	--	20.4	Curtis
60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
61	--	--	--	--	--	--	--	--	--	--	--	--	--	--
62	979	370	-62	--	--	--	--	--	--	--	--	--	--	--
63	--	--	--	--	--	--	--	--	--	--	--	--	--	--
64	--	--	--	--	--	--	--	--	--	--	--	--	--	--
65	438	467	7	296	16.5	16	--	--	623	--	596	--	6.0	Orlando
66	--	--	--	--	--	--	--	--	--	--	--	--	--	--
67	--	--	--	--	--	--	--	--	--	--	--	--	--	--
68	671	671	0	405	12.2	11.9	--	--	839	--	869	--	8.7	Pope
69	689	656	-5	457	10.9	10.6	10.9	3.2	944	914	911	-0.4	9.1	Curtis
70	936	1,119	20	856	6	5.8	--	--	1,717	--	1,647	--	16.5	Houston
71	835	793	-5	462	10.8	10.5	11.7	11	952	858	952	10.9	9.5	Curtis
72	1,138	1,099	-3	635	8	7.8	--	--	1,290	--	1,400	--	14.0	Curtis
73	660	957	45	533	9.4	9.1	9.8	6.6	1,093	1,025	1,194	16.5	11.9	Tx Health
74	937	934	0	567	8.9	8.6	--	--	1,159	--	1,205	--	12.0	Tx Health
75	804	785	-2	442	11.2	10.9	12.1	11	914	824	977	18.6	9.8	Tx Health
76	494	444	-10	265	18.3	17.9	18.7	4.9	560	534	560	4.9	5.6	Curtis
77	805	818	2	456	10.9	10.6	--	--	941	--	1,013	--	10.1	Orlando
78	629	759	21	430	11.5	11.2	--	--	889	--	925	--	9.2	Orlando
79	673	651	-3	387	12.7	12.4	14.1	13.4	805	710	842	18.6	8.4	Curtis
80	--	--	--	--	--	--	10.5	--	--	950	--	--	--	Curtis
81	804	657	-18	389	12.7	12.4	12.3	-0.1	809	810	835	3.1	8.4	Wood
82	2,602	2,584	-1	1,798	2.9	2.9	2.8	-3.4	3,487	3,610	3,639	0.8	36.4	Wood
83	2,340	2,321	-1	1,399	3.7	3.6	3.7	0.9	2,744	2,720	3,022	11.1	30.2	Wood
84	8,117	8,091	0	7,101	0.8	0.8	0.8	9.3	12,898	11,800	12,868	9.1	128.7	Wood
85	1,548	1,545	0	905	5.7	5.5	5.6	0.6	1,811	1,800	1,981	10	19.8	Pope
86	90	69	-23	43	105.3	102.6	90.9	-11.4	98	110	101	-7.9	1.0	Micro
87	443	435	-2	281	17.3	16.9	19.6	16.3	593	510	582	14.2	5.8	Micro
88	528	515	-2	304	16.1	15.7	16.1	2.9	638	620	647	4.4	6.5	Micro
89	505	493	-2	308	15.9	15.5	16.1	4.3	647	620	647	4.4	6.5	Micro
90	352	352	0	222	21.7	21.1	25	18.2	473	400	452	13.1	4.5	Pope
91	1,650	1,982	20	1,504	3.5	3.4	--	--	2,942	--	2,905	--	29.0	USDI
92	530	498	-6	380	13	12.6	16.3	29.1	791	613	713	16.3	7.1	Curtis
93	2,170	2,396	10	1,911	2.8	2.7	--	--	3,696	--	3,612	--	36.1	Tx Health
94	4,090	--	--	--	--	--	1.2	--	--	8,264	--	--	--	White

	TDS	Sum TDS	% var. TDS	NaCl Equiv.	Rw @75°F (Ion Conc.) (ohm-m)	Rw @77°F (Ion Conc.) (ohm-m)	Rw @77°F (Measured) (ohm-m)	% var. S.C. (Ions)	Specific Conductance (Ion Conc.) (μmhos/cm)	Specific Conductance (Measured) (μmhos/cm)	Specific Conductance (Anion Sum) (μmhos/cm)	% var. S.C. (Anion)	Anion Sum (meq/l)	Lab
95	280	274	-2	146	32.3	31.5	33.6	6.5	317	298	335	12.4	3.3	Micro
96	646	--	--	--	--	--	12.7	--	--	790	--	--	--	--
97	886	885	0	521	9.6	9.4	9.2	-1.7	1,068	1,087	1,135	4.5	11.4	Pope
98	522	521	0	317	15.5	15.1	17.4	15.5	664	575	673	17	6.7	Pope
99	1,245	1,244	0	695	7.3	7.1	7.7	8.2	1,407	1,300	1,558	19.8	15.6	Pope
100	300	--	--	--	--	--	21	--	--	477	--	--	--	--
101	440	433	-2	253	19.2	18.7	20	7.2	536	500	547	9.4	5.5	Micro
102	710	691	-3	358	13.7	13.4	13.7	2.4	748	730	816	11.8	8.2	Micro
103	1,314	1,256	-4	707	7.2	7	--	--	1,431	--	1,590	--	15.9	Curtis
104	634	588	-7	332	14.8	14.4	--	--	695	--	739	--	7.4	Curtis
105	--	--	--	--	--	--	--	--	--	--	--	--	--	--
106	712	661	-7	374	13.2	12.8	--	--	779	--	836	--	8.4	Curtis
107	687	676	-2	370	13.3	13	13.7	5.4	770	730	831	13.9	8.3	Micro
108	636	579	-9	324	15.1	14.7	--	--	678	--	715	--	7.1	Curtis
109	627	626	0	363	13.6	13.2	15.4	16.5	757	650	798	22.8	8.0	--
110	253	319	26	206	23.3	22.7	22	-3.2	440	455	409	-10.2	4.1	Curtis
111	1,390	1,377	-1	780	6.5	6.4	6.4	0.7	1,571	1,560	1,740	11.5	17.4	Micro
112	951	--	--	--	--	--	6	--	--	1,680	--	--	--	Micro
113	1,178	--	--	--	--	--	4.6	--	--	2,189	--	--	--	--
114	606	644	6	355	13.8	13.5	13.2	-2.4	741	760	756	-0.5	7.6	Micro
115	490	--	--	--	--	--	13	--	--	770	--	--	--	--
116	266	243	-9	145	32.6	31.7	34.4	8.2	315	291	302	3.8	3.0	Micro
117	819	818	0	688	7.4	7.2	10.3	43	1,394	975	1,073	10	10.7	Pope
118	683	682	0	446	11.2	10.9	12.2	12.3	921	820	918	12	9.2	Pope
119	1,043	1,042	0	842	6.1	5.9	6.7	12.7	1,691	1,500	1,509	0.6	15.1	Pope
120	546	652	19	408	12.1	11.8	10.5	-11	846	950	870	-8.5	8.7	NTSU
121	1,133	1,130	0	701	7.2	7	7.1	1.4	1,420	1,400	1,479	5.6	14.8	Pope
122	1,464	1,412	-4	940	5.5	5.3	--	--	1,878	--	1,902	--	19.0	Curtis
123	1,029	1,018	-1	607	8.3	8.1	--	--	1,237	--	1,299	--	13.0	Pope
124	758	757	0	464	10.7	10.5	11.8	12.4	956	850	980	15.2	9.8	Pope
125	--	--	--	--	--	--	--	--	--	--	--	--	--	--
126	1,696	1,641	-3	1,402	3.7	3.6	--	--	2,751	--	2,555	--	25.5	Curtis
127	10,660	10,623	0	9,049	0.6	0.6	0.6	-1.7	16,219	16,500	16,907	2.5	169.1	Pope
128	516	515	0	322	15.2	14.8	17.9	20.7	676	560	676	20.7	6.8	Pope
129	450	446	-1	298	16.4	15.9	15.9	-0.4	627	630	592	-6	5.9	Tx Test
130	1,173	1,170	0	899	5.7	5.6	6.7	20	1,801	1,500	1,714	14.3	17.1	Pope
131	634	635	0	385	12.8	12.5	14.1	12.6	800	710	828	16.6	8.3	Pope
132	613	614	0	354	13.9	13.5	14.9	10.2	739	670	780	16.4	7.8	Pope
133	1,284	1,273	-1	903	5.7	5.5	5.6	1.5	1,807	1,780	1,772	-0.4	17.7	Micro
134	1,245	1,239	0	919	5.6	5.4	6.5	18.5	1,837	1,550	1,783	15	17.8	Pope
135	1,248	1,236	-1	824	6.2	6	--	--	1,655	--	1,676	--	16.8	Pope
136	1,034	977	-6	588	8.6	8.3	--	--	1,201	--	1,261	--	12.6	Curtis
137	1,062	1,045	-2	652	7.8	7.6	--	--	1,323	--	1,343	--	13.4	Pope
138	1,290	1,271	-1	845	6.1	5.9	5.8	-2	1,695	1,730	1,714	-0.9	17.1	Wood
139	1,305	1,289	-1	979	5.3	5.1	6	16.2	1,952	1,680	1,773	5.5	17.7	Wood
140	1,029	1,007	-2	652	7.8	7.6	--	--	1,324	--	1,347	--	13.5	Pope
141	--	--	--	--	--	--	--	--	--	--	--	--	--	--

	TDS	Sum TDS	% var. TDS	NaCl Equiv.	Rw @75°F (Ion Conc.) (ohm-m)	Rw @77°F (Ion Conc.) (ohm-m)	Rw @77°F (Measured) (ohm-m)	% var. S.C. (Ions)	Specific Conductance (Ion Conc.) (µmhos/cm)	Specific Conductance (Measured) (µmhos/cm)	Specific Conductance (Anion Sum) (µmhos/cm)	% var. S.C. (Anion)	Anion Sum (meq/l)	Lab
142	1,151	1,095	-5	695	7.3	7.1	--	--	1,408	--	1,443	--	14.4	Curtis
143	1,884	1,897	1	1,495	3.5	3.4	--	--	2,925	--	2,836	--	28.4	NTSC
144	1,408	1,366	-3	910	5.6	5.5	--	--	1,820	--	1,838	--	18.4	Curtis
145	1,372	1,328	-3	871	5.9	5.7	--	--	1,746	--	1,779	--	17.8	Curtis
146	995	994	0	630	8	7.8	9.1	16.4	1,281	1,100	1,296	17.8	13.0	Pope
147	1,051	1,045	-1	677	7.5	7.3	--	--	1,373	--	1,399	--	14.0	Pope
148	1,159	1,143	-1	718	7.1	6.9	--	--	1,452	--	1,492	--	14.9	Pope
149	2,205	2,161	-2	1,389	3.8	3.7	3.8	3.3	2,727	2,640	2,872	8.8	28.7	Curtis
150	1,138	1,137	0	763	6.7	6.5	7.7	18.4	1,540	1,300	1,556	19.7	15.6	Pope
151	941	930	-1	568	8.8	8.6	8.8	1.8	1,161	1,140	1,201	5.3	12.0	Micro
152	953	952	0	607	8.3	8.1	9.1	12.4	1,236	1,100	1,264	14.9	12.6	Pope
153	1,141	1,138	0	748	6.8	6.6	--	--	1,510	--	1,531	--	15.3	Pope
154	1,181	1,109	-6	752	6.8	6.6	7.7	16.7	1,517	1,300	1,467	12.8	14.7	Pope
155	705	--	--	--	--	--	7.7	--	--	1,300	902	-30.6	9.0	Hundley&Halff
156	1,680	2,010	20	1,352	3.9	3.8	--	--	2,656	--	2,703	--	27.0	US Interior
157	2,057	2,009	-2	1,357	3.9	3.8	--	--	2,666	--	2,736	--	27.4	Curtis
158	2,074	2,010	-3	1,384	3.8	3.7	--	--	2,717	--	2,770	--	27.7	Curtis
159	1,720	1,715	0	1,134	4.6	4.5	4	-11.2	2,247	2,530	2,307	-8.8	23.1	Tx Health
160	1,431	1,380	-4	942	5.5	5.3	--	--	1,862	--	1,875	--	18.8	Curtis
161	1,206	1,152	-4	745	6.8	6.6	--	--	1,505	--	1,555	--	15.5	Curtis
162	1,186	1,164	-2	741	6.9	6.7	6.7	0.4	1,496	1,490	1,536	3.1	15.4	Wood
163	1,659	1,545	-7	1,113	4.7	4.5	--	--	2,207	--	2,134	--	21.3	Curtis
164	1,109	1,059	-5	647	7.8	7.6	--	--	1,315	--	1,371	--	13.7	Curtis
165	1,974	1,917	-3	1,249	4.2	4.1	--	--	2,462	--	2,553	--	25.5	Curtis
166	1,524	1,480	-3	948	5.4	5.3	5.4	3.2	1,894	1,835	1,941	5.8	19.4	Curtis
167	1,974	1,911	-3	1,247	4.2	4.1	4	-2.1	2,459	2,512	2,543	1.2	25.4	Curtis
168	1,140	1,107	-3	700	7.2	7.1	7.3	3.9	1,417	1,364	1,447	6.1	14.5	Curtis
169	1,292	1,232	-5	799	6.4	6.2	--	--	1,608	--	1,624	--	16.2	Curtis
170	2,812	2,791	-1	1,970	2.7	2.6	--	--	3,805	--	3,895	--	38.9	Curtis
171	1,326	1,326	0	888	5.8	5.6	6.7	18.6	1,778	1,500	1,799	19.9	18.0	Pope
172	1,228	1,025	-17	756	6.7	6.6	6.5	-1.5	1,526	1,550	1,334	-13.9	13.3	Pope
173	1,239	1,237	0	828	6.2	6	7	17.1	1,663	1,420	1,681	18.4	16.8	Pope
174	1,235	1,233	0	815	6.3	6.1	7.6	24.1	1,638	1,320	1,649	24.9	16.5	Pope
175	3,360	3,340	-1	2,337	2.3	2.2	--	--	4,478	--	4,645	--	46.5	Curtis
176	872	1,381	58	892	5.8	5.6	--	--	1,785	--	1,793	--	17.9	NTSU
177	901	890	-1	587	8.6	8.3	8.7	4.6	1,198	1,145	1,202	5	12.0	Micro
178	894	883	-1	596	8.5	8.2	8.4	2.5	1,215	1,185	1,235	4.2	12.3	Micro
179	910	899	-1	572	8.8	8.6	8.8	2.5	1,168	1,140	1,188	4.2	11.9	Micro
180	961	949	-1	627	8	7.8	8.3	5.4	1,276	1,210	1,298	7.3	13.0	Micro
181	813	799	-2	498	10	9.8	10.2	4.4	1,023	980	1,056	7.8	10.6	Micro
182	906	894	-1	579	8.7	8.5	8.8	4.7	1,183	1,130	1,198	6	12.0	Micro
183	771	762	-1	480	10.4	10.1	10.4	3.2	989	958	1,011	5.6	10.1	Wood
184	2,414	2,379	-1	1,970	2.7	2.6	--	--	3,804	--	3,674	--	36.7	Curtis
185	621	743	20	521	9.6	9.4	--	--	1,069	--	1,018	--	10.2	NTSC
186	917	915	0	562	8.9	8.7	10	14.8	1,148	1,000	1,198	19.8	12.0	Pope
187	764	691	-10	431	11.5	11.2	11.8	4.9	892	850	858	1	8.6	Pope
188	573	649	13	436	11.4	11.1	--	--	901	--	896	--	9.0	NTSC

	TDS	Sum TDS	% var. TDS	NaCl Equiv.	Rw @75°F (Ion Conc.) (ohm-m)	Rw @77°F (Ion Conc.) (ohm-m)	Rw @77°F (Measured) (ohm-m)	% var. S.C. (Ions)	Specific Conductance (Ion Conc.) (μmhos/cm)	Specific Conductance (Measured) (μmhos/cm)	Specific Conductance (Anion Sum) (μmhos/cm)	% var. S.C. (Anion)	Anion Sum (meq/l)	Lab
189	706	706	0	457	10.9	10.6	--	--	943	--	939	--	9.4	Pope
190	635	814	28	520	9.6	9.4	--	--	1,067	--	1,095	--	10.9	NTSC
191	506	736	46	472	10.6	10.3	--	--	972	--	991	--	9.9	Tx Health
192	966	965	0	661	7.7	7.5	9.1	21.9	1,341	1,100	1,330	20.9	13.3	Pope
193	981	979	0	582	83.6	81.5	--	--	123	--	1,250	--	12.5	Pope
194	842	841	0	522	9.6	9.3	10.5	12.6	1,070	950	1,106	16.5	11.1	Pope
195	794	793	0	480	10.4	10.1	11.8	16.4	989	850	1,028	20.9	10.3	Pope
196	603	603	0	371	13.3	12.9	15.4	18.8	772	650	792	21.9	7.9	Pope
197	944	829	-12	487	10.3	10	9.3	-7.3	1,002	1,080	976	-9.7	9.8	Wood
198	--	--	--	--	--	--	5.3	--	--	1,870	--	--	--	--
199	808	756	-6	459	10.8	10.6	--	--	947	--	977	--	9.8	Curtis
200	2,400	2,396	0	1,671	3.2	3.1	2.7	-11.6	3,253	3,680	3,277	-11	32.8	Tx Health
201	752	702	-7	511	9.8	9.5	--	--	1,050	--	916	--	9.2	Curtis
202	1,536	1,523	-1	1,263	4.1	4	4.1	1.2	2,490	2,460	2,331	-5.3	23.3	Wood
203	1,020	1,023	0	728	7	6.8	6.4	-5.7	1,472	1,560	1,448	-7.2	14.5	Tx Health
204	999	997	0	659	7.7	7.5	8.7	16.3	1,338	1,150	1,358	18	13.6	Pope
205	1,491	1,501	1	1,238	4.2	4.1	4	-1.8	2,442	2,488	2,300	-7.5	23.0	Pope
206	1,490	1,500	1	1,228	4.2	4.1	4	-2	2,423	2,472	2,298	-7	23.0	Pope
207	976	1,102	13	894	5.7	5.6	5.6	0.6	1,790	1,780	1,637	-8	16.4	NTSC
208	812	811	0	535	9.4	9.1	9.5	4.4	1,096	1,050	1,109	5.6	11.1	Pope
209	1,190	1,175	-1	915	5.6	5.5	5.3	-2.2	1,830	1,870	1,740	-7	17.4	Wood
210	2,484	2,483	0	2,259	2.4	2.3	2.5	8.4	4,336	4,000	4,036	0.9	40.4	Pope
211	1,108	1,107	0	780	6.5	6.4	7.1	12.3	1,572	1,400	1,552	10.9	15.5	Pope
212	--	--	--	--	--	--	--	--	--	--	--	--	--	--
213	356	--	--	--	--	--	18.2	--	--	550	--	--	--	Tx Test
214	366	511	40	343	14.3	14	16.1	15.5	716	620	677	9.1	6.8	Tx Test
215	354	493	39	334	14.7	14.3	14.4	0.7	700	695	652	-6.2	6.5	Tx Test
216	1,171	1,309	12	1,024	5	4.9	5.1	3.5	2,038	1,970	1,916	-2.7	19.2	Tx Test
217	905	1,099	21	762	6.7	6.5	8	22.9	1,536	1,250	1,510	20.8	15.1	Tx Test
218	1,509	1,455	-4	1,199	4.3	4.2	--	--	2,363	--	2,271	--	22.7	Curtis
219	1,850	1,716	-7	1,557	3.4	3.3	3.2	-2	3,039	3,100	2,846	-8.2	28.5	Orlando
220	1,916	1,895	-1	1,516	3.5	3.4	3.5	2.9	2,963	2,880	2,822	-2	28.2	Jordan
221	597	584	-2	407	12.2	11.8	12.3	3.9	845	813	813	0	8.1	Wood
222	372	336	-10	229	21.1	20.5	20.6	0.2	487	486	464	-4.5	4.6	Curtis
223	8,048	7,694	-4	7,240	0.8	0.8	--	--	13,129	--	12,720	--	127.2	EPWU
224	473	428	-10	294	16.6	16.2	--	--	618	--	590	--	5.9	Curtis
225	550	517	-6	376	13.1	12.8	--	--	782	--	737	--	7.4	Curtis
226	716	746	4	654	7.7	7.5	--	--	1,328	--	1,213	--	12.1	Curtis
227	354	307	-13	233	20.7	20.2	--	--	495	--	443	--	4.4	Curtis
228	1,994	1,929	-3	1,823	2.1	2	--	--	4,901	--	3,220	--	32.2	Curtis
229	782	739	-5	666	7.6	7.4	--	--	1,351	--	1,209	--	12.1	Curtis
230	413	373	-10	256	19	18.5	19.3	4.5	542	518	510	-1.6	5.1	Curtis
231	446	408	-9	273	17.8	17.4	18	3.5	576	556	555	-0.3	5.5	Curtis
232	--	--	--	--	--	--	--	--	--	--	--	--	--	--
233	628	599	-5	453	11	10.7	10.8	0.8	936	928	873	-5.9	8.7	Micro
234	4,740	4,710	-1	4,402	1.2	1.2	1.3	4	8,320	8,000	8,102	1.3	81.0	Micro
235	1,139	1,108	-3	1,061	4.9	4.7	4.8	1.8	2,108	2,070	1,854	-10.4	18.5	Micro

	TDS	Sum TDS	% var. TDS	NaCl Equiv.	Rw @75°F (Ion Conc.) (ohm-m)	Rw @77°F (Ion Conc.) (ohm-m)	Rw @77°F (Measured) (ohm-m)	% var. S.C. (Ions)	Specific Conductance (Ion Conc.) (μmhos/cm)	Specific Conductance (Measured) (μmhos/cm)	Specific Conductance (Anion Sum) (μmhos/cm)	% var. S.C. (Anion)	Anion Sum (meq/l)	Lab
236	692	646	-7	567	8.9	8.6	--	--	1,158	--	1,011	--	10.1	Curtis
237	542	502	-7	375	13.2	12.8	--	--	781	--	734	--	7.3	Curtis
238	620	575	-7	454	11	10.7	--	--	937	--	860	--	8.6	Curtis
239	943	873	-7	769	6.6	6.5	--	--	1,550	--	1,359	--	13.6	Curtis
240	1,905	1,832	-4	1,647	3.3	3.2	--	--	3,109	--	2,931	--	29.3	Curtis
241	2,177	2,127	-2	2,056	2.6	2.5	--	--	3,963	--	3,402	--	34.0	Curtis
242	2,854	2,841	0	2,757	2	1.9	--	--	5,244	--	4,568	--	45.7	Curtis
243	1,419	1,415	0	935	5.5	5.4	--	--	1,869	--	1,902	--	19.0	Pope
244	1,738	1,722	-1	1,087	4.8	4.6	--	--	2,158	--	2,292	--	22.9	Pope
245	1,788	1,784	0	1,137	4.6	4.4	5.6	25.1	2,251	1,800	2,377	32	23.8	Pope
246	1,941	1,936	0	1,239	4.2	4.1	4.5	11.1	2,444	2,200	2,579	17.2	25.8	Pope
247	2,433	2,414	-1	1,610	3.3	3.2	--	--	3,139	--	3,276	--	32.8	Pope
248	936	918	-2	578	8.7	8.5	8.5	0.8	1,179	1,170	1,215	3.8	12.1	Pope
249	1,859	1,826	-2	1,188	4.4	4.3	4.2	-1.3	2,348	2,380	2,433	2.2	24.3	Curtis
250	1,003	970	-3	611	8.2	8	8.2	2	1,245	1,220	1,279	4.8	12.8	Micro
251	933	921	-1	589	8.5	8.3	--	--	1,201	--	1,226	--	12.3	Pope
252	1,680	1,688	0	1,105	4.7	4.6	4	-11.4	2,192	2,475	2,217	-10.4	22.2	Tx Health
253	1,172	1,031	-12	778	6.5	6.3	--	--	1,577	--	1,533	--	15.3	NTSU
254	2,604	2,549	-2	1,736	3	3	--	--	3,372	--	3,530	--	35.3	Curtis
255	511	499	-2	298	16.4	15.9	17.1	7.3	627	585	656	12.1	6.6	Wood
256	519	506	-3	303	16.1	15.7	16.6	5.5	636	603	665	10.3	6.7	Wood
257	515	474	-8	306	16	15.6	--	--	642	--	642	--	6.4	Curtis
258	511	507	-1	316	15.5	15.1	18.2	20.4	662	550	680	23.7	6.8	Pope
259	--	--	--	--	--	--	--	--	--	--	--	--	--	--
260	537	525	-2	310	15.8	15.4	16.2	5.2	650	618	684	10.7	6.8	Wood
261	518	514	-1	322	15.2	14.8	16.7	12.5	675	600	692	15.3	6.9	Pope
262	1,106	1,089	-2	712	7.1	6.9	--	--	1,441	--	1,445	--	14.5	Pope
263	1,070	1,068	0	693	7.3	7.1	8.2	15	1,403	1,220	1,420	16.4	14.2	Pope
264	813	1,164	43	848	6	5.9	7.1	21.6	1,702	1,400	1,558	11.3	15.6	NTSC
265	1,409	1,363	-3	852	6	5.9	6.5	10.2	1,709	1,550	1,803	16.3	18.0	Curtis
266	613	604	-1	357	13.8	13.4	14.2	5.6	745	705	764	8.4	7.6	Micro
267	304	304	0	166	28.2	27.4	23.8	-13.2	364	420	378	-10	3.8	Pope
268	55	27	-51	15	276.5	269.3	--	--	37	--	40	--	0.4	Curtis
269	--	--	--	--	--	--	--	--	--	--	--	--	--	--
270	117	62	-47	47	95.2	92.7	--	--	108	--	90	--	0.9	Curtis
271	1,216	1,167	-4	682	7.4	7.2	--	--	1,383	--	1,435	--	14.4	Curtis
272	1,228	1,187	-3	643	7.9	7.7	5.8	-24.2	1,307	1,724	1,460	-15.3	14.6	Curtis
273	1,231	1,192	-3	691	7.3	7.1	--	--	1,400	--	1,469	--	14.7	Curtis
274	208	217	4	130	36.3	35.3	--	--	283	--	286	--	2.9	--
275	220	219	0	130	36.3	35.3	--	--	283	--	286	--	2.9	Tx Health
276	498	481	-3	275	17.7	17.3	19	10.2	579	526	609	15.8	6.1	Curtis
277	354	343	-3	194	24.7	24.1	24.2	0.4	416	414	426	2.8	4.3	Wood
278	481	469	-2	268	18.1	17.6	17.8	0.9	567	562	586	4.3	5.9	Wood
279	573	564	-2	334	14.7	14.3	14.8	3.3	698	676	723	6.9	7.2	--
280	303	--	--	--	--	--	--	--	--	--	--	--	--	--
281	521	498	-4	285	17.1	16.6	17	2	601	589	625	6	6.2	Wood
282	301	291	-3	167	28.4	27.7	28.6	3.1	361	350	370	5.8	3.7	Wood

	TDS	Sum TDS	% var. TDS	NaCl Equiv.	Rw @75°F (Ion Conc.) (ohm-m)	Rw @77°F (Ion Conc.) (ohm-m)	Rw @77°F (Measured) (ohm-m)	% var. S.C. (Ions)	Specific Conductance (Ion Conc.) (µmhos/cm)	Specific Conductance (Measured) (µmhos/cm)	Specific Conductance (Anion Sum) (µmhos/cm)	% var. S.C. (Anion)	Anion Sum (meq/l)	Lab
283	619	609	-2	370	13.3	13	13.9	7.1	771	720	791	9.9	7.9	Wood
284	253	--	--	--	--	--	25.3	--	--	395	--	--	--	--
285	532	531	0	322	15.3	14.9	14.5	-2.9	670	690	691	0.1	6.9	Pope
286	482	481	0	299	16.3	15.9	19.6	23.5	630	510	630	23.5	6.3	Pope
287	--	--	--	--	--	--	--	--	--	--	--	--	--	--
288	482	--	--	--	--	--	19.6	--	--	510	--	--	--	--
289	355	503	42	329	14.9	14.5	17.2	18.7	688	580	652	12.4	6.5	Tx Test
290	360	--	--	--	--	--	--	--	--	--	--	--	--	--
291	390	535	37	364	13.5	13.2	--	--	760	--	712	--	7.1	Tx Test
292	440	411	-7	245	19.8	19.3	19.6	2	519	509	533	4.6	5.3	Micro
293	3,186	2,714	-15	2,553	2.1	2.1	--	--	4,873	--	4,939	--	49.4	Houston
294	2,002	1,951	-3	1,719	3.1	3	--	--	3,341	--	3,121	--	31.2	Curtis
295	6,423	6,208	-3	5,968	0.9	0.9	--	--	10,934	--	10,480	--	104.8	Curtis
296	116,832	115,842	-1	113,860	0.1	0.1	0.1	31.6	157,953	120,000	200,498	67.1	2,005.0	Micro
297	1,755	1,687	-4	1,369	3.8	3.7	--	--	2,688	--	2,583	--	25.8	Curtis
298	167	--	--	--	--	--	--	--	--	--	233	--	2.3	Tx Health
299	3,626	3,603	-1	2,344	2.3	2.2	--	--	4,491	--	4,882	--	48.8	Curtis
300	246	305	24	197	24.3	23.7	--	--	422	--	423	--	4.2	Tx Health
301	--	--	--	--	--	--	--	--	--	--	--	--	--	--
302	504	680	35	409	12.1	11.8	--	--	849	--	884	--	8.8	Tx Health
303	278	388	40	217	22.2	21.6	21.4	-1.1	463	468	482	3	4.8	Tx Health
304	512	478	-7	376	13.1	12.8	14	9.5	783	715	701	-2	7.0	Micro
305	672	634	-6	489	10.2	9.9	10.4	4.3	1,007	965	938	-2.8	9.4	Micro
306	2,224	1,936	-13	1,611	3.3	3.2	3.2	-0.3	3,141	3,150	3,065	-2.7	30.6	Micro
307	1,214	1,197	-1	978	5.3	5.1	5.8	12.7	1,949	1,730	1,843	6.5	18.4	Micro
308	1,930	1,890	-2	1,214	4.3	4.2	4.4	4.5	2,398	2,295	2,504	9.1	25.0	Curtis
309	1,344	1,300	-3	760	6.7	6.5	6.8	4.1	1,534	1,473	1,661	12.7	16.6	Curtis
310	1,124	1,119	0	669	7.6	7.4	7.7	4.3	1,356	1,300	1,449	11.5	14.5	Pope
311	810	813	0	468	10.6	10.4	9.6	-7.2	966	1,040	1,025	-1.4	10.3	Tx Health
312	1,394	1,353	-3	817	6.3	6.1	6.3	2.9	1,642	1,595	1,748	9.6	17.5	Curtis
313	346	334	-3	204	23.6	22.9	25.5	11.2	436	392	420	7.3	4.2	Micro
314	340	326	-4	185	25.8	25.1	27	7.3	398	371	401	8.2	4.0	Micro
315	1,052	1,052	0	652	7.8	7.6	7.8	3.8	1,323	1,275	1,373	7.7	13.7	Curtis
316	711	698	-2	419	11.8	11.5	11.9	3.6	869	838	898	7.2	9.0	Wood
317	1,241	1,240	0	744	6.8	6.7	7.1	7.3	1,502	1,400	1,607	14.8	16.1	Pope
318	1,051	1,037	-1	640	7.9	7.7	7.9	2.5	1,301	1,270	1,351	6.3	13.5	Micro
319	437	425	-3	233	20.7	20.2	20.4	1	495	490	518	5.7	5.2	Micro
320	962	949	-1	640	7.9	7.7	8	4	1,300	1,250	1,293	3.5	12.9	Micro
321	962	949	-1	640	7.9	7.7	8	4	1,300	1,250	1,293	3.5	12.9	Micro
322	721	635	-12	397	12.5	12.1	12.2	0.4	824	820	776	-5.4	7.8	Pope
323	966	907	-6	562	8.9	8.7	9.1	4.5	1,150	1,100	1,157	5.2	11.6	Pope
324	624	563	-10	337	14.6	14.2	13.9	-2.3	705	721	722	0.1	7.2	Curtis
325	504	454	-10	318	15.4	15	--	--	667	--	635	--	6.3	Curtis
326	488	450	-8	264	18.4	17.9	19.8	10.4	558	505	560	10.9	5.6	Curtis
327	1,090	1,039	-5	689	7.4	7.2	7.2	0.6	1,395	1,386	1,412	1.9	14.1	Curtis
328	653	644	-1	379	13	12.7	12.9	1.2	788	778	807	3.8	8.1	Wood
329	649	640	-1	383	12.9	12.6	13.3	5.8	796	752	817	8.7	8.2	Wood

	TDS	Sum TDS	% var. TDS	NaCl Equiv.	Rw @75°F (Ion Conc.) (ohm-m)	Rw @77°F (Ion Conc.) (ohm-m)	Rw @77°F (Measured) (ohm-m)	% var. S.C. (Ions)	Specific Conductance (Ion Conc.) (µmhos/cm)	Specific Conductance (Measured) (µmhos/cm)	Specific Conductance (Anion Sum) (µmhos/cm)	% var. S.C. (Anion)	Anion Sum (meq/l)	Lab
330	733	723	-1	422	11.8	11.5	11.8	3.3	873	845	906	7.2	9.1	Wood
331	1,401	1,389	-1	773	6.6	6.4	6.6	2.5	1,558	1,520	1,715	12.8	17.1	Wood
332	751	751	0	479	10.4	10.1	15.4	51.6	986	650	1,003	54.3	10.0	Pope
333	1,171	1,118	-5	733	6.9	6.8	6.6	-1.5	1,481	1,504	1,513	0.6	15.1	Curtis
334	2,461	2,405	-2	2,004	2.7	2.6	--	--	3,867	--	3,697	--	37.0	Curtis
335	1,576	--	--	--	--	--	4.3	--	--	2,325	--	--	--	--
336	492	481	-2	288	16.9	16.5	20	21.5	608	500	623	24.5	6.2	Pope
337	1,911	1,763	-8	1,307	4	3.9	--	--	2,573	--	2,453	--	24.5	Curtis
338	730	--	--	--	--	--	8	--	--	1,250	--	--	--	--
339	322	314	-2	196	24.4	23.8	26.7	12.3	420	374	402	7.5	4.0	Wood
340	314	304	-3	191	25	24.4	24.6	0.8	410	407	395	-3	3.9	Micro
341	324	316	-2	198	24.2	23.6	26.1	10.6	424	383	409	6.8	4.1	Micro
342	1,460	1,469	1	1,276	4.1	4	4.2	4.7	2,513	2,400	2,332	-2.8	23.3	Micro
343	416	409	-2	236	20.4	19.9	21.3	6.9	503	470	515	9.6	5.2	Micro
344	1,140	1,130	-1	936	5.5	5.3	5.5	2.8	1,870	1,820	1,723	-5.3	17.2	Micro
345	1,119	1,111	-1	916	5.6	5.5	5.4	-0.4	1,832	1,840	1,689	-8.2	16.9	Micro
346	576	756	31	505	9.9	9.6	10.5	9.2	1,037	950	1,022	7.5	10.2	Pope
347	510	507	-1	348	14.1	13.8	--	--	727	--	698	--	7.0	Orlando
348	950	--	--	--	--	--	8	--	--	1,250	1,299	3.9	13.0	Micro
349	1,241	1,244	0	1,079	5	4.8	4.9	0.5	2,065	2,055	1,968	-4.2	19.7	Micro
350	283	283	0	173	27.5	26.8	31.3	16.8	374	320	359	12.3	3.6	Pope
354	650	594	-9	386	12.8	12.5	--	--	802	--	796	--	8.0	Curtis
352	345	345	0	223	21.6	21.1	25	18.7	475	400	470	17.5	4.7	Pope
353	575	525	-9	303	16.1	15.7	--	--	637	--	677	--	6.8	Curtis
354	713	651	-9	396	12.5	12.2	--	--	823	--	837	--	8.4	Curtis
355	1,473	1,416	-4	1,063	4.9	4.7	--	--	2,113	--	2,063	--	20.6	Curtis
356	390	389	0	226	21.3	20.8	21.7	4.7	482	460	497	8	5.0	Pope
357	490	489	0	305	16	15.6	19.2	23.2	641	520	646	24.2	6.5	Pope
358	2,448	2,394	-2	1,829	2.9	2.8	--	--	3,544	--	3,528	--	35.3	Curtis
359	356	356	0	228	21.2	20.6	25	21.2	485	400	483	20.7	4.8	Pope
360	599	598	0	369	13.4	13	13.3	2.5	768	750	788	5.1	7.9	Pope
361	449	448	0	263	18.4	18	19	6.1	557	525	581	10.7	5.8	Pope
362	340	339	0	221	21.8	21.2	25	17.9	472	400	461	15.3	4.6	Pope
363	352	351	0	226	21.4	20.8	23.8	14.4	480	420	476	13.3	4.8	Pope
364	331	331	0	210	22.9	22.3	25	12.2	449	400	439	9.8	4.4	Pope
365	1,415	1,397	-1	920	5.6	5.4	5.6	2.7	1,839	1,790	1,880	5	18.8	Wood
366	1,099	1,044	-5	691	7.3	7.1	--	--	1,400	--	1,427	--	14.3	Curtis
367	902	849	-6	543	9.2	9	--	--	1,111	--	1,136	--	11.4	Curtis
368	9,738	9,701	0	9,434	0.6	0.6	0.7	21.1	16,886	13,946	16,531	18.5	165.3	Curtis
369	9,738	9,699	0	9,432	0.6	0.6	0.7	21.1	16,886	13,946	16,529	18.5	165.3	Curtis
370	341	340	0	216	22.3	21.7	26.3	21.3	461	380	461	21.3	4.6	Pope
371	398	369	-7	224	21.5	21	21.7	3.8	477	460	495	7.6	4.9	Micro
372	619	603	-3	361	13.7	13.3	13.8	3.7	752	725	777	7.1	7.8	Micro
373	685	--	--	--	--	--	8.7	--	--	1,150	--	--	--	--
374	1,035	1,023	-1	604	8.3	8.1	8.3	2.6	1,232	1,200	1,314	9.5	13.1	Micro
375	1,918	1,906	-1	1,587	3.3	3.2	3.4	6.3	3,094	2,910	2,936	0.9	29.4	Micro
376	149	107	-28	72	63.3	61.7	--	--	162	--	149	--	1.5	Curtis

	TDS	Sum TDS	% var. TDS	NaCl Equiv.	Rw @75°F (Ion Conc.) (ohm-m)	Rw @77°F (Ion Conc.) (ohm-m)	Rw @77°F (Measured) (ohm-m)	% var. S.C. (Ions)	Specific Conductance (Ion Conc.) (μmhos/cm)	Specific Conductance (Measured) (μmhos/cm)	Specific Conductance (Anion Sum) (μmhos/cm)	% var. S.C. (Anion)	Anion Sum (meq/l)	Lab
377	414	361	-13	281	17.3	16.9	--	--	593	--	536	--	5.4	Curtis
378	178	--	--	--	--	--	--	--	--	--	--	--	--	--
379	287	--	--	--	--	--	--	--	--	--	--	--	--	--
380	489	444	-9	266	18.2	17.8	--	--	563	--	563	--	5.6	Curtis
381	251	214	-15	121	38.7	37.7	40.5	7.4	265	247	267	8.2	2.7	Curtis
382	355	--	--	--	--	--	--	--	--	--	--	--	--	--
383	358	--	--	--	--	--	16.5	--	--	606	--	--	--	--
384	172	--	--	--	--	--	32.7	--	--	306	--	--	--	--
385	427	393	-8	251	19.3	18.8	19.3	2.8	532	518	533	2.9	5.3	Curtis
386	190	--	--	--	--	--	--	--	--	--	--	--	--	--
387	197	--	--	--	--	--	--	--	--	--	--	--	--	--
388	113	--	--	--	--	--	--	--	--	--	--	--	--	--
389	219	--	--	--	--	--	--	--	--	--	--	--	--	--
390	380	--	--	--	--	--	--	--	--	--	--	--	--	--
391	3,187	3,136	-2	2,730	2	1.9	1.9	-2.9	5,193	5,350	5,029	-6	50.3	Curtis
392	3,058	3,006	-2	2,603	2.1	2	2.1	5.6	4,962	4,700	4,800	2.1	48.0	Curtis
393	1,234	1,223	-1	919	5.6	5.4	5.7	4.7	1,838	1,755	1,748	-0.4	17.5	Micro
394	2,851	2,839	0	2,339	2.3	2.2	--	--	4,481	--	4,380	--	43.8	Curtis
395	3,077	3,061	-1	2,533	2.1	2.1	--	--	4,836	--	4,749	--	47.5	Curtis
396	4,293	4,271	-1	4,510	1.2	1.2	--	--	8,381	--	7,059	--	70.6	Curtis
397	3,406	3,395	0	2,755	2	1.9	--	--	5,241	--	5,183	--	51.8	Curtis
398	1,822	1,800	-1	1,458	3.6	3.5	3	-13.5	2,856	3,300	2,742	-16.9	27.4	Micro
399	2,834	2,820	0	2,297	2.3	2.3	--	--	4,406	--	4,344	--	43.4	Curtis
400	819	805	-2	504	9.9	9.7	--	--	1,036	--	1,055	--	10.6	Pope
401	844	867	3	557	9	8.8	9.1	3.6	1,139	1,100	1,184	7.6	11.8	Pope
402	894	893	0	562	8.9	8.7	9.1	4.5	1,149	1,100	1,179	7.2	11.8	Pope
403	850	834	-2	507	9.9	9.6	9.9	3.1	1,041	1,010	1,071	6	10.7	Wood
404	687	687	0	427	11.6	11.3	12.5	10.5	884	800	899	12.4	9.0	Pope
405	728	717	-2	431	11.5	11.2	11.7	4.7	892	852	918	7.8	9.2	Wood
406	707	696	-2	427	11.6	11.3	11.8	4	884	850	900	5.9	9.0	Wood
407	110	188	71	111	42.2	41.1	35.7	-13.1	243	280	242	-13.7	2.4	NTSC
408	444	432	-3	276	17.6	17.2	18.3	6.7	582	545	577	5.8	5.8	Micro
409	243	229	-6	132	35.6	34.7	36.9	6.4	288	271	283	4.5	2.8	Micro
410	348	--	--	--	--	--	--	--	--	--	--	--	--	--
411	278	--	--	--	--	--	--	--	--	--	--	--	--	--
412	1,757	1,685	-4	1,217	4.3	4.2	--	--	2,402	--	2,416	--	24.2	Curtis
413	33,494	33,464	0	30,479	0.2	0.2	--	--	50,576	--	55,756	--	557.6	Curtis
414	20,352	20,312	0	17,894	0.3	0.3	--	--	30,832	--	33,152	--	331.5	Curtis
415	17,425	17,395	0	15,222	0.4	0.4	--	--	26,530	--	28,383	--	283.8	Curtis
416	931	946	2	654	7.7	7.5	8	6.2	1,327	1,250	1,286	2.9	12.9	Pope
417	1,436	1,431	0	928	5.5	5.4	6.3	15.9	1,854	1,600	1,915	19.7	19.2	Pope
418	2,543	2,538	0	1,735	3	3	3.6	20.4	3,371	2,800	3,491	24.7	34.9	Pope
419	1,233	1,231	0	729	7	6.8	8	17.9	1,473	1,250	1,575	26	15.7	Pope
420	1,348	1,295	-4	947	5.4	5.3	--	--	1,891	--	1,855	--	18.6	Curtis
421	67,000	66,885	0	66,112	0.1	0.1	0.1	9.8	100,656	91,700	115,858	26.3	1,158.6	Micro
422	71,700	71,692	0	70,711	0.1	0.1	0.1	17.7	106,947	90,900	124,057	36.5	1,240.6	Micro
423	335	302	-10	177	26.9	26.2	--	--	381	--	380	--	3.8	Curtis

	TDS	Sum TDS	% var. TDS	NaCl Equiv.	Rw @75°F (Ion Conc.) (ohm-m)	Rw @77°F (Ion Conc.) (ohm-m)	Rw @77°F (Measured) (ohm-m)	% var. S.C. (Ions)	Specific Conductance (Ion Conc.) (μmhos/cm)	Specific Conductance (Measured) (μmhos/cm)	Specific Conductance (Anion Sum) (μmhos/cm)	% var. S.C. (Anion)	Anion Sum (meq/l)	Lab
424	112	110	-2	72	63.5	61.8	76.9	24.4	162	130	144	10.4	1.4	Pope
425	7,198	7,178	0	6,952	0.8	0.8	1	24	12,644	10,200	12,200	19.6	122.0	Micro
426	18,850	18,770	0	17,095	0.3	0.3	0.4	12.1	29,588	26,400	31,624	19.8	316.2	Micro
427	23,350	23,183	-1	21,474	0.3	0.3	0.4	29.4	36,537	28,240	39,243	39	392.4	Micro
428	7,030	7,002	0	6,378	0.9	0.9	0.9	0	11,654	11,650	11,597	-0.5	116.0	Micro
429	1,550	1,518	-2	1,114	4.6	4.5	4.7	3.5	2,209	2,135	2,181	2.2	21.8	Micro
430	3,672	3,643	-1	3,377	1.6	1.6	1.6	3.6	6,361	6,140	5,998	-2.3	60.0	Micro
431	4,954	4,920	-1	4,654	1.2	1.2	1.7	50.2	8,635	5,750	8,235	43.2	82.4	Micro
432	20,484	20,474	0	20,202	0.3	0.3	--	--	34,569	--	35,848	--	358.5	Curtis
433	1,391	1,365	-2	1,021	5.1	4.9	5.1	4.2	2,032	1,950	1,945	-0.3	19.4	Micro
434	2,521	2,464	-2	1,943	2.7	2.7	--	--	3,755	--	3,651	--	36.5	Curtis
435	2,321	2,214	-5	1,726	3.1	3	--	--	3,354	--	3,260	--	32.6	Curtis
436	836	835	0	525	9.5	9.3	10.5	13.3	1,077	950	1,099	15.7	11.0	Pope
437	870	868	0	536	9.3	9.1	11.1	22.1	1,099	900	1,131	25.7	11.3	Pope
438	--	--	--	--	--	---	--	--	--	--	--	--	--	--
439	758	758	0	455	10.9	10.6	11.8	10.6	940	850	981	15.5	9.8	Pope
440	1,004	1,002	0	645	7.8	7.6	8.3	9.3	1,311	1,200	1,329	10.8	13.3	Pope
441	1,383	1,381	0	934	5.5	5.4	5.6	3.6	1,866	1,800	1,904	5.8	19.0	Pope
442	2,667	2,666	0	1,862	2.8	2.8	3	9.2	3,605	3,300	3,741	13.4	37.4	Pope
443	419	419	0	296	16.5	16	16.7	3.9	623	600	559	-6.9	5.6	Pope
444	2,250	2,249	0	1,510	3.5	3.4	3.4	1.8	2,952	2,900	3,078	6.1	30.8	Pope
445	1,300	1,298	0	864	5.9	5.8	6.7	15.4	1,732	1,500	1,742	16.2	17.4	Pope
446	862	861	0	532	9.4	9.2	10	9.1	1,091	1,000	1,126	12.6	11.3	Pope
447	819	784	-4	502	10	9.7	--	--	1,031	--	1,040	--	10.4	Curtis
448	804	802	0	492	10.4	10.1	10.5	3.8	986	950	1,044	9.9	10.4	Pope
449	783	783	0	504	9.9	9.7	12.5	29.5	1,036	800	1,046	30.8	10.5	Pope
450	--	--	--	--	--	--	--	--	--	--	--	--	--	--
451	3,105	3,369	9	1,928	2.8	2.7	--	--	3,727	--	4,255	--	42.6	Orlando
452	2,292	2,241	-2	1,719	3.1	3	--	--	3,341	--	3,305	--	33.1	Curtis
453	2,645	2,551	-4	1,921	2.8	2.7	--	--	3,716	--	3,727	--	37.3	Curtis
454	3,290	3,193	-3	2,419	2.2	2.2	--	--	4,629	--	4,689	--	46.9	Curtis
455	4,365	4,229	-3	3,179	1.7	1.7	--	--	6,008	--	6,179	--	61.8	Curtis
456	5,336	5,319	0	4,074	1.4	1.3	1.5	10.6	7,605	6,875	7,877	14.6	78.8	Micro
457	2,220	2,209	0	1,688	3.1	3	3.1	2.6	3,284	3,200	3,217	0.5	32.2	Micro
458	2,256	2,239	-1	1,677	3.1	3.1	3.5	14.1	3,265	2,860	3,234	13.1	32.3	Micro
459	1,467	1,440	-2	1,222	4.3	4.1	--	--	2,412	--	2,232	--	22.3	Curtis
460	2,552	2,518	-1	2,037	2.6	2.5	--	--	3,929	--	3,804	--	38.0	Curtis
461	1,850	1,790	-3	1,477	3.6	3.5	--	--	2,890	--	2,732	--	27.3	Curtis
462	1,839	1,812	-1	1,437	3.6	3.6	3.3	-6.1	2,816	3,000	2,714	-9.6	27.1	Micro
463	1,190	1,203	1	949	5.4	5.3	--	--	1,895	--	1,788	--	17.9	Orlando
464	1,605	628	-61	622	8.1	7.9	--	--	1,266	--	767	--	7.7	Core
465	492	609	24	402	12.3	12	13	8.3	834	770	890	15.5	8.9	Tx Test
466	524	--	--	--	--	--	--	--	--	--	--	--	--	--
467	491	--	--	--	--	--	--	--	--	--	--	--	--	--
468	1,067	--	--	--	--	--	--	--	--	--	--	--	--	--
469	1,531	1,469	-4	860	5.9	5.8	5.8	0.5	1,726	1,717	1,871	9	18.7	Micro
470	--	--	--	--	--	--	--	--	--	--	--	--	--	--

	TDS	Sum TDS	% var. TDS	NaCl Equiv.	Rw @75°F (Ion Conc.) (ohm-m)	Rw @77°F (Ion Conc.) (ohm-m)	Rw @77°F (Measured) (ohm-m)	% var. S.C. (Ions)	Specific Conductance (Ion Conc.) (µmhos/cm)	Specific Conductance (Measured) (µmhos/cm)	Specific Conductance (Anion Sum) (µmhos/cm)	% var. S.C. (Anion)	Anion Sum (meq/l)	Lab
471	930	948	2	669	7.6	7.4	--	--	1,357	--	1,333	--	13.3	Orlando
472	--	--	--	--	--	--	--	--	--	--	--	--	--	--
473	443	521	18	376	13.1	12.8	14.7	14.8	782	681	728	6.9	7.3	TX Health
474	914	895	-2	545	9.2	9	8.9	-0.4	1,115	1,120	1,160	3.6	11.6	Wood
475	--	--	--	--	--	--	--	--	--	--	--	--	--	--
476	313	313	0	193	24.8	24.1	27.8	15.1	414	360	407	13.2	4.1	Pope
477	194	192	-1	121	38.7	37.7	45.5	20.6	265	220	256	16.4	2.6	Pope
478	312	311	0	191	25.1	24.4	30.3	24	409	330	409	24	4.1	Pope
479	262	243	-7	153	31.1	30.2	29.9	-1.3	331	335	325	-3.1	3.2	Micro
480	475	475	0	281	17.3	16.9	15.8	-6.5	593	634	602	-5.1	6.0	Wood
481	102	--	--	--	--	--	--	--	--	--	--	--	--	Southwestern
482	3,089	3,089	0	2,239	2.4	2.3	--	--	4,299	--	4,537	--	45.4	NTSC
483	224	223	0	139	33.8	33	35.7	8.4	303	280	291	3.8	2.9	Pope
484	436	626	44	363	13.6	13.2	13.3	0.7	757	752	789	5	7.9	Tx Health
485	1,298	1,259	-3	883	5.8	5.7	--	--	1,769	--	1,756	--	17.6	Curtis
486	1,086	1,074	-1	718	7.1	6.9	7.2	4.5	1,452	1,390	1,467	5.6	14.7	Micro
487	1,983	1,918	-3	1,660	3.2	3.1	--	--	3,233	--	3,003	--	30.0	Curtis
488	1,994	1,904	-5	1,583	3.3	3.2	--	--	3,088	--	2,960	--	29.6	Curtis
489	527	516	-2	310	15.8	15.4	16.1	4.9	650	620	686	10.6	6.9	Micro
490	--	--	--	--	--	--	--	--	--	--	--	--	--	--
491	579	579	0	363	13.6	13.2	15.4	16.3	756	650	788	21.2	7.9	Pope
492	607	607	0	376	13.1	12.8	13.3	4.3	782	750	817	8.9	8.2	Pope
493	518	518	0	338	14.5	14.1	15.4	8.8	707	650	712	9.6	7.1	Pope
494	741	737	0	527	9.5	9.3	10.5	13.7	1,080	950	1,024	7.8	10.2	Pope
495	660	647	-2	441	11.3	11	--	--	911	--	884	--	8.8	Orlando
496	779	763	-2	479	10.4	10.1	--	--	987	--	991	--	9.9	Pope
497	1,016	1,009	-1	747	6.8	6.6	--	--	1,507	--	1,325	--	13.3	Pope
498	626	758	21	501	10	9.7	--	--	1,029	--	1,034	--	10.3	NTSC
499	823	821	0	513	9.7	9.5	10.5	10.9	1,053	950	1,079	13.6	10.8	Pope
500	855	854	0	527	9.5	9.2	10	8.1	1,081	1,000	1,105	10.5	11.0	Pope
501	660	826	25	507	9.9	9.6	--	--	1,042	--	1,078	--	10.8	TX Health
502	--	--	--	--	--	--	--	--	--	--	--	--	--	--
503	935	934	0	603	8.4	8.1	--	--	1,229	--	1,250	--	12.5	Pope
504	1,736	1,674	-4	1,337	3.9	3.8	3.9	1.5	2,628	2,590	2,515	-2.9	25.1	Curtis
505	694	764	10	532	9.4	9.2	--	--	1,091	--	1,046	--	10.5	NTSC
506	714	946	32	582	8.6	8.4	8.4	-0.2	1,188	1,190	1,229	3.3	12.3	Tx Health
507	848	899	6	657	7.7	7.5	--	--	1,334	--	1,285	--	12.9	NTSC
508	1,005	981	-2	591	8.5	8.3	8.5	3.1	1,206	1,170	1,255	7.3	12.6	Micro
509	1,043	989	-5	608	8.3	8.1	--	--	1,238	--	1,291	--	12.9	Curtis
510	1,279	1,204	-6	990	5.2	5.1	--	--	1,974	--	1,595	--	16.0	Curtis
511	503	443	-12	313	15.6	15.2	--	--	656	--	637	--	6.4	Curtis
512	1,076	1,023	-5	638	7.9	7.7	--	--	1,298	--	1,324	--	13.2	Curtis
513	992	970	-2	595	8.5	8.2	8.3	1.2	1,214	1,200	1,257	4.8	12.6	Wood
514	636	936	47	565	8.9	8.7	--	--	1,154	--	1,269	--	12.7	NTSC
515	--	--	--	--	--	--	--	--	--	--	--	--	--	--
516	1,615	960	-41	624	8.1	7.9	8.5	8.5	1,269	1,170	1,280	9.4	12.8	Curtis
517	4,739	--	--	--	--	--	1.3	--	--	7,740	--	--	--	--

	TDS	Sum TDS	% var. TDS	NaCl Equiv.	Rw @75°F (Ion Conc.) (ohm-m)	Rw @77°F (Ion Conc.) (ohm-m)	Rw @77°F (Measured) (ohm-m)	% var. S.C. (Ions)	Specific Conductance (Ion Conc.) (µmhos/cm)	Specific Conductance (Measured) (µmhos/cm)	Specific Conductance (Anion Sum) (µmhos/cm)	% var. S.C. (Anion)	Anion Sum (meq/l)	Lab
518	708	--	--	--	--	--	--	--	--	--	--	--	--	--
519	1,431	1,363	-5	788	6.5	6.3	6.4	2.1	1,586	1,554	1,717	10.5	17.2	*Curtis*
520	455	725	59	474	10.5	10.2	12.8	25.1	976	780	873	11.9	8.7	Tx Test
521	630	950	51	499	10	9.8	8	-18	1,025	1,250	1,210	-3.2	12.1	Tx Test
522	751	--	--	--	--	--	--	--	--	--	--	--	--	--
523	751	--	--	--	--	--	--	--	--	--	--	--	--	--
524	428	394	-8	291	16.8	16.3	20.1	22.9	612	498	548	10	5.5	Curtis
525	226	190	-16	140	33.7	32.8	--	--	305	--	278	--	2.8	Curtis
526	200	142	-29	93	49.9	48.6	42	-13.6	206	238	215	-9.5	2.2	Wood
527	320	305	-5	170	28.1	27.3	30.9	12.9	366	324	378	16.6	3.8	Micro
528	6,824	6,804	0	5,114	1.1	1.1	1.1	8.6	9,445	8,700	10,120	16.3	101.2	Micro
529	2,039	2,005	-2	1,463	3.6	3.5	3.7	5.1	2,865	2,725	2,837	4.1	28.4	Micro
530	7,154	6,903	-4	5,209	1.1	1	1.1	4.9	9,613	9,160	10,349	13	103.5	Micro
531	2,102	2,078	-1	1,509	3.5	3.4	3.5	3.4	2,951	2,854	2,937	2.9	29.4	Micro
532	277	277	0	182	26.3	25.6	29.4	15	391	340	373	9.6	3.7	Pope
533	670	914	36	571	8.8	8.6	8.7	1.7	1,167	1,147	1,244	8.4	12.4	Tx Health
534	530	530	0	312	15.7	15.3	16.7	9.2	655	600	691	15.1	6.9	Pope
535	298	296	-1	200	24	23.4	24.4	4.4	428	410	414	0.9	4.1	Pope
536	322	322	0	198	24.2	23.5	26.3	11.8	425	380	430	13.3	4.3	Pope
537	490	489	0	280	17.4	16.9	18.2	7.3	590	550	625	13.6	6.2	Pope
538	479	479	0	287	17	16.6	18.2	9.8	604	550	618	12.4	6.2	Pope
539	286	261	-9	157	30.2	29.4	35.1	19.2	340	285	330	15.9	3.3	Curtis
540	475	461	-3	281	17.3	16.9	18	6.9	593	555	591	6.4	5.9	Micro
541	494	444	-10	265	18.3	17.9	18.7	4.9	560	534	560	4.9	5.6	Curtis
542	724	679	-6	417	11.9	11.6	11.8	1.6	863	850	884	4	8.8	Curtis
543	312	374	20	216	22.3	21.7	16.9	-21.9	461	590	512	-13.3	5.1	ANA
544	1,127	1,126	0	631	8	7.8	8.3	6.9	1,283	1,200	1,400	16.6	14.0	Pope
545	413	412	0	252	19.2	18.7	20.8	11.4	535	480	547	14	5.5	Pope
546	217	206	-5	130	36.2	35.2	35	-0.8	284	286	275	-4	2.7	Micro
547	2,289	2,277	-1	1,281	4.1	4	3.9	-1	2,524	2,550	2,889	13.3	28.9	Micro
548	2,764	2,763	0	1,909	2.8	2.7	3.3	23.1	3,692	3,000	3,838	27.9	38.4	Pope
549	1,966	1,961	0	1,671	3.2	3.1	4.9	58.6	3,252	2,050	2,624	28	26.2	Pope
550	196	196	0	148	31.9	31.1	41.7	34	322	240	283	18	2.8	Pope
551	1,704	1,683	-1	1,459	3.6	3.5	--	--	2,857	--	2,631	--	26.3	Campbell
552	1,904	1,886	-1	1,612	3.3	3.2	--	--	3,143	--	2,944	--	29.4	Campbell
553	484	451	-7	276	17.7	17.2	17.2	0.1	581	581	588	1.2	5.9	Curtis
554	1,342	1,329	-1	885	5.8	5.6	6.1	8.8	1,773	1,630	1,812	11.2	18.1	Micro
555	1,316	1,304	-1	854	6	5.8	6.1	5.2	1,714	1,630	1,761	8	17.6	Micro
556	639	637	0	401	12.3	12	12.7	5.4	833	790	828	4.8	8.3	Pope
557	17,177	17,162	0	16,997	0.3	0.3	0.3	2.5	29,418	28,700	29,466	2.7	294.7	Curtis
558	342	--	--	--	--	--	--	--	--	--	--	--	--	--
559	1,660	1,657	0	1,109	4.7	4.5	4.2	-8.3	2,199	2,398	2,260	-5.8	22.6	Tx Health
560	457	457	0	270	18	17.5	21.7	24.2	571	460	583	26.8	5.8	Pope
561	1,319	1,278	-3	863	5.9	5.8	5.8	0.3	1,730	1,725	1,746	1.2	17.5	Curtis
562	1,536	1,493	-3	1,047	4.9	4.8	5.1	5.1	2,081	1,980	2,095	5.8	21.0	Curtis
563	1,466	1,454	-1	970	5.3	5.2	5.3	1.9	1,936	1,900	1,981	4.3	19.8	Micro
564	1,158	1,146	-1	761	6.7	6.5	6.6	1.8	1,537	1,510	1,554	2.9	15.5	Micro

	TDS	Sum TDS	% var. TDS	NaCl Equiv.	Rw @75°F (Ion Conc.) (ohm-m)	Rw @77°F (Ion Conc.) (ohm-m)	Rw @77°F (Measured) (ohm-m)	% var. S.C. (Ions)	Specific Conductance (Ion Conc.) (µmhos/cm)	Specific Conductance (Measured) (µmhos/cm)	Specific Conductance (Anion Sum) (µmhos/cm)	% var. S.C. (Anion)	Anion Sum (meq/l)	Lab
565	1,087	1,074	-1	732	6.9	6.8	7	4.1	1,479	1,420	1,475	3.9	14.7	Wood
566	2,619	2,456	-6	2,035	2.6	2.5	4.2	64.9	3,925	2,380	3,952	66.1	39.5	--
567	2,618	2,832	8	2,301	2.3	2.3	--	--	4,414	--	4,505	--	45.0	--
568	2,969	2,504	-16	2,090	2.6	2.5	3.6	43.8	4,026	2,800	4,033	44	40.3	--
569	709	666	-6	392	12.6	12.3	13.6	10.9	814	734	857	16.7	8.6	Curtis
570	660	649	-2	370	13.3	13	13.7	5.9	771	728	812	11.5	8.1	Micro
571	479	478	0	294	16.6	16.1	19	18	619	525	629	19.7	6.3	Pope
572	251	250	0	154	30.8	30	33.3	11.1	333	300	334	11.3	3.3	Pope
573	308	288	-6	171	27.8	27.1	27.2	0.7	369	367	375	2.2	3.7	Wood
574	1,284	1,261	-2	727	7	6.8	6.3	-8.2	1,469	1,600	1,589	-0.7	15.9	Wood
575	3,334	3,319	0	2,696	2	1.9	2	4.3	5,133	4,920	5,055	2.7	50.5	Wood
576	3,825	3,807	0	3,192	1.7	1.7	1.4	-15.9	6,029	7,170	5,896	-17.8	59.0	Wood
577	3,765	3,748	0	3,169	1.7	1.7	1.7	-1	5,987	6,050	5,842	-3.4	58.4	Wood
578	749	733	-2	399	12.4	12.1	--	--	828	--	907	--	9.1	Pope
579	392	352	-10	210	22.8	22.2	--	--	450	--	448	--	4.5	Curtis
580	413	372	-10	209	23	22.4	23.8	6	446	421	458	8.7	4.6	Curtis
581	431	391	-9	213	22.6	22	24.5	11.5	455	408	476	16.6	4.8	Curtis
582	893	844	-5	491	10.2	9.9	10.7	7.8	1,009	936	1,079	15.3	10.8	Curtis
583	325	312	-4	175	27.3	26.6	27.2	2.6	377	367	388	5.8	3.9	Wood
584	597	544	-9	310	15.8	15.4	--	--	650	--	686	--	6.9	Curtis
585	453	420	-7	226	21.3	20.7	23.9	15.3	482	418	507	21.4	5.1	Curtis
586	1,227	1,170	-5	748	6.8	6.6	--	--	1,510	--	1,566	--	15.7	Curtis
587	1,358	1,299	-4	887	5.8	5.6	--	--	1,777	--	1,798	--	18.0	Curtis
588	1,019	956	-6	540	9.3	9	--	--	1,106	--	1,201	--	12.0	Curtis
589	1,631	1,563	-4	1,178	4.4	4.3	--	--	2,330	--	2,290	--	22.9	Curtis
590	2,592	2,578	-1	1,902	2.7	2.6	3.2	22.9	3,797	3,090	3,704	19.9	37.0	Micro
591	519	518	0	296	16.5	16	16.7	3.9	623	600	657	9.5	6.6	Pope
592	--	--	--	--	--	--	--	--	--	--	--	--	--	--
593	--	--	--	--	--	--	--	--	--	--	--	--	--	--
594	--	--	--	--	--	--	--	--	--	--	--	--	--	--
595	5,412	5,397	0	4,561	1.2	1.2	1.2	0.8	8,471	8,400	8,408	0.1	84.1	Micro
596	323	291	-10	171	27.8	27.1	30	10.8	369	333	361	8.4	3.6	Micro
597	1,209	1,138	-6	880	5.8	5.7	5.7	1.3	1,763	1,740	1,678	-3.6	16.8	Wood
598	686	646	-6	422	11.7	11.4	12	5.4	874	830	876	5.6	8.8	Wood
599	3,878	3,816	-2	3,581	1.5	1.5	1.5	0.3	6,728	6,710	6,378	-4.9	63.8	Wood
600	2,219	2,183	-2	1,927	2.8	2.7	2.7	2.4	3,727	3,640	3,493	-4	34.9	Wood
601	--	--	--	--	--	--	--	--	--	--	--	--	--	--
602	985	947	-4	718	7.1	6.9	7.4	6.7	1,452	1,360	1,383	1.7	13.8	Wood
603	638	562	-12	394	12.5	12.2	12.3	0.5	818	814	845	3.8	8.5	Wood
604	1,398	1,331	-5	974	5.3	5.1	5.4	5	1,943	1,850	1,911	3.3	19.1	Wood
605	--	--	--	--	--	--	--	--	--	--	--	--	--	--
606	1,035	986	-5	657	7.7	7.5	8.1	7.5	1,334	1,240	1,343	8.3	13.4	Wood
607	1,365	--	--	--	--	--	--	--	--	--	2,265	--	22.6	Campbell
608	1,439	--	--	--	--	--	--	--	--	--	2,339	--	23.4	Campbell
609	1,544	--	--	--	--	--	--	--	--	--	2,557	--	25.6	Campbell
610	1,769	--	--	--	--	--	--	--	--	--	2,983	--	29.8	Campbell
611	1,705	1,645	-4	1,432	3.7	3.6	--	--	2,807	--	2,592	--	25.9	Curtis

	TDS	Sum TDS	% var. TDS	NaCl Equiv.	Rw @75°F (Ion Conc.) (ohm-m)	Rw @77°F (Ion Conc.) (ohm-m)	Rw @77°F (Measured) (ohm-m)	% var. S.C. (Ions)	Specific Conductance (Ion Conc.) (µmhos/cm)	Specific Conductance (Measured) (µmhos/cm)	Specific Conductance (Anion Sum) (µmhos/cm)	% var. S.C. (Anion)	Anion Sum (meq/l)	Lab
612	1,335	1,255	-6	756	6.7	6.6	--	--	1,525	--	1,631	--	16.3	Curtis
613	1,694	1,617	-5	1,187	4.4	4.3	--	--	2,346	--	2,332	--	23.3	Curtis
614	2,581	2,507	-3	1,975	2.7	2.6	--	--	3,815	--	3,703	--	37.0	Curtis
615	1,284	1,283	0	737	6.9	6.7	7.7	14.6	1,489	1,300	1,644	26.5	16.4	Pope
616	957	957	0	532	9.4	9.2	10	9	1,090	1,000	1,194	19.4	11.9	Pope
617	1,334	1,330	0	839	6.1	5.9	6.1	2.4	1,685	1,645	1,768	7.5	17.7	Micro
618	478	471	-1	319	15.4	15	19	27.3	668	525	630	20	6.3	Pope
619	--	--	--	--	--	--	--	--	--	--	--	--	--	--
620	1,215	1,205	-1	691	7.3	7.1	--	--	1,400	--	1,488	--	14.9	Pope
621	793	792	0	499	10	9.8	11.8	20.6	1,025	850	1,053	23.8	10.5	Pope
622	1,302	1,299	0	903	5.7	5.5	5.7	3.3	1,808	1,750	1,824	4.2	18.2	Pope
623	217	216	0	127	37.1	36.1	--	--	277	--	277	--	2.8	Pope
624	162	161	0	109	42.7	41.5	50	20.3	241	200	210	5	2.1	Pope
625	486	477	-2	335	14.6	14.3	14.4	1	701	694	663	-4.4	6.6	Wood
626	98	85	-13	63	72.8	70.9	74.1	4.5	141	135	120	-10.9	1.2	Wood
627	120	109	-9	69	65.9	64.2	69.4	8.2	156	144	142	-1.1	1.4	Wood
628	358	344	-4	203	23.6	23	22.5	-2.2	435	445	425	-4.5	4.2	Wood
629	344	278	-19	175	27.2	26.5	--	--	378	--	352	--	3.5	Curtis
630	179	169	-6	101	46.2	45	44.4	-1.2	222	225	215	-4.6	2.1	Wood
631	222	213	-4	136	34.7	33.8	41.2	21.8	296	243	275	13.3	2.8	Micro
632	401	379	-5	213	22.6	22	23.6	7.4	454	423	470	11	4.7	Curtis
633	--	--	--	--	--	--	--	--	--	--	--	--	--	--
634	381	368	-4	205	23.4	22.8	23.8	4.5	439	420	454	8.1	4.5	Wood
635	264	253	-4	141	33.4	32.5	32.1	-1.5	307	312	310	-0.6	3.1	Micro
636	594	593	0	332	14.8	14.4	16.7	15.9	696	600	744	24	7.4	Pope
637	168	168	0	96	48.5	47.2	52.6	11.5	212	190	214	12.6	2.1	Pope
638	840	839	0	490	10.2	9.9	11.1	11.9	1,007	900	1,072	19.1	10.7	Pope
639	1,315	1,293	-2	775	6.6	6.4	6.6	2.7	1,561	1,520	1,662	9.3	16.6	Wood
640	560	524	-6	300	16.3	15.8	16.9	7	632	590	652	10.5	6.5	Curtis
641	134	87	-35	53	85.1	82.9	--	--	121	--	117	--	1.2	Curtis
642	217	177	-18	102	45.7	44.5	--	--	225	--	227	--	2.3	Curtis
643	220	187	-15	114	41	39.9	--	--	250	--	238	--	2.4	Curtis
644	184	149	-19	92	50.6	49.2	48.5	-1.4	203	206	200	-2.8	2.0	Wood
645	333	323	-3	178	26.8	26.1	27.5	5.6	383	363	398	9.5	4.0	Wood
646	310	296	-5	165	28.9	28.1	30.3	7.8	356	330	362	9.6	3.6	Wood
647	844	833	-1	507	9.9	9.6	9.3	-2.7	1,041	1,070	1,078	0.7	10.8	Wood
648	191	181	-5	98	47.5	46.3	53.5	15.6	216	187	224	20	2.2	Micro
649	221	194	-12	109	42.7	41.5	44.4	7	241	225	241	7.3	2.3	Curtis
650	188	177	-6	108	43.1	42	50.8	20.8	238	197	220	11.6	2.2	Wood
651	235	223	-5	124	37.9	36.9	38.5	4.3	271	260	269	3.5	2.7	Wood
652	263	254	-4	148	32	31.2	45.5	45.8	321	220	316	43.4	3.2	Wood
653	618	605	-2	338	14.5	14.2	13	-7.9	707	767	763	-0.5	7.6	Wood
654	633	625	-1	395	12.5	12.2	14	14.5	820	716	808	12.9	8.1	Wood
655	--	--	--	--	--	--	--	--	--	--	--	--	--	--
656	9,376	9,352	0	8,094	0.7	0.7	0.7	5.8	14,604	13,800	15,469	12.1	154.7	Curtis
657	784	783	0	468	10.6	10.4	11.8	13.6	966	850	1,012	19	10.1	Pope
658	675	672	0	408	12.1	11.8	14.3	21	847	700	881	25.9	8.8	Pope

	TDS	Sum TDS	% var. TDS	NaCl Equiv.	Rw @75°F (Ion Conc.) (ohm-m)	Rw @77°F (Ion Conc.) (ohm-m)	Rw @77°F (Measured) (ohm-m)	% var. S.C. (Ions)	Specific Conductance (Ion Conc.) (µmhos/cm)	Specific Conductance (Measured) (µmhos/cm)	Specific Conductance (Anion Sum) (µmhos/cm)	% var. S.C. (Anion)	Anion Sum (meq/l)	Lab
659	802	802	0	479	10.4	10.1	11.1	9.6	986	900	1,035	15	10.3	Pope
660	738	686	-7	427	11.6	11.3	--	--	884	--	903	--	9.0	Curtis
661	930	889	-4	551	9.1	8.9	--	--	1,127	--	1,162	--	11.6	Curtis
662	1,011	999	-1	644	7.8	7.6	8.2	7.3	1,309	1,220	1,339	9.8	13.4	Micro
663	1,011	1,003	-1	601	8.4	8.2	8.2	0.8	1,224	1,215	1,285	5.7	12.8	Micro
664	1,225	1,183	-3	768	6.6	6.5	--	--	1,549	--	1,587	--	15.9	Curtis
665	756	804	6	514	9.7	9.5	12.2	28.7	1,055	820	994	21.2	9.9	Pope
666	1,380	1,379	0	936	5.5	5.3	6.1	13.4	1,871	1,650	1,892	14.7	18.9	Pope
667	1,274	1,263	-1	839	6.1	5.9	--	--	1,685	--	1,707	--	17.1	Pope
668	1,122	1,105	-2	710	7.1	7	7.1	2.3	1,437	1,405	1,457	3.7	14.6	Micro
669	581	1,156	99	735	6.9	6.7	--	--	1,485	--	1,525	--	15.2	Southwestern
670	2,539	2,538	0	2,331	2.3	2.2	3.3	48.9	4,468	3,000	4,122	37.4	41.2	Pope
671	797	793	0	484	10.3	10	11.1	10.7	996	900	1,034	14.9	10.3	Pope
672	1,187	1,170	-1	766	6.6	6.5	7.6	17	1,545	1,320	1,558	18	15.6	Pope
673	1,261	1,207	-4	786	6.5	6.3	--	--	1,582	--	1,614	--	16.1	Curtis
674	1,067	1,055	-1	677	7.5	7.3	7.5	3.2	1,373	1,330	1,404	5.5	14.0	Wood
675	1,233	1,199	-3	741	6.9	6.7	--	--	1,496	--	1,548	--	15.5	Curtis
676	1,557	1,548	-1	1,103	4.7	4.6	4.6	1.3	2,187	2,160	2,164	0.2	21.6	Micro
677	1,585	1,568	-1	1,115	4.6	4.5	4.6	0.9	2,210	2,190	2,195	0.2	21.9	Micro
678	1,734	1,732	0	1,368	3.8	3.7	4.5	22.1	2,686	2,200	2,579	17.2	25.8	Pope
679	1,618	1,617	0	1,224	4.2	4.1	5.5	32.8	2,417	1,820	2,350	29.1	23.5	Pope
680	--	--	--	--	--	--	--	--	--	--	--	--	--	--
681	1,121	1,064	-5	675	7.5	7.3	--	--	1,368	--	1,388	--	13.9	Curtis
682	1,116	1,056	-5	661	7.7	7.5	--	--	1,341	--	1,387	--	13.9	Curtis
683	1,052	1,011	-4	635	7.9	7.7	--	--	1,292	--	1,335	--	13.3	Curtis
684	919	866	-6	530	9.5	9.2	--	--	1,086	--	1,116	--	11.2	Curtis
685	1,248	1,182	-5	762	6.7	6.5	--	--	1,536	--	1,557	--	15.6	Curtis
686	1,202	1,042	-13	649	7.8	7.6	--	--	1,318	--	1,535	--	15.4	Curtis
687	--	--	--	--	--	--	--	--	--	--	--	--	--	--
688	1,215	1,169	-4	754	6.7	6.6	--	--	1,522	--	1,549	--	15.5	Curtis
689	356	334	-6	286	17	16.6	18.2	9.6	603	550	480	-12.7	4.8	Pope
690	1,139	1,098	-4	674	7.5	7.3	7.5	2	1,367	1,340	1,430	6.8	14.3	Wood
691	1,961	1,960	-1	1,444	3.6	3.5	3.6	1.1	2,830	2,800	2,802	0.1	28.0	Wood
692	32	29	-9	19	221.8	216.1	200	-7.4	46	50	44	-11.5	0.4	Pope
693	32	29	-9	19	221.8	216.1	200	-7.4	46	50	44	-11.5	0.4	Pope
694	522	522	0	337	14.6	14.2	16.7	17.4	705	600	691	15.2	6.9	Pope
695	496	495	0	313	15.6	15.2	17.2	13.3	657	580	649	11.8	6.5	Pope
696	141	131	-7	77	59.7	58.2	62.5	7.4	172	160	165	3	1.6	Micro
697	75	42	-44	24	181.7	177	--	--	57	--	57	--	0.6	Curtis
698	219	184	-16	114	41	40	--	--	250	--	233	--	2.3	Curtis
699	543	494	-9	334	14.7	14.3	--	--	699	--	659	--	6.6	Curtis
700	2,141	2,087	-3	1,613	3.3	3.2	--	--	3,144	--	3,089	--	30.9	Curtis
701	244	--	--	--	--	--	21.5	--	--	465	--	--	--	--
702	434	397	-9	232	20.8	20.3	21.3	5	492	469	495	5.5	4.9	Curtis
703	412	400	-3	241	20.1	19.6	20.4	4.2	511	490	502	2.5	5.0	Wood
704	838	--	--	--	--	--	6.4	--	--	1,560	--	--	--	--
705	412	379	-8	223	21.6	21.1	22.8	8.3	474	438	478	9.1	4.8	Curtis

	TDS	Sum TDS	% var. TDS	NaCl Equiv.	Rw @75°F (Ion Conc.) (ohm-m)	Rw @77°F (Ion Conc.) (ohm-m)	Rw @77°F (Measured) (ohm-m)	% var. S.C. (Ions)	Specific Conductance (Ion Conc.) (μmhos/cm)	Specific Conductance (Measured) (μmhos/cm)	Specific Conductance (Anion Sum) (μmhos/cm)	% var. S.C. (Anion)	Anion Sum (meq/l)	Lab
706	--	--	--	--	--	--	--	--	--	--	--	--	--	--
707	560	725	29	497	10	9.8	--	--	1,022	--	1,021	--	10.2	Southwestern
708	524	518	-1	374	13.2	12.8	13.8	7.2	779	726	738	1.7	7.4	Micro
709	170	--	--	--	--	--	--	--	--	--	--	--	--	--
710	243	243	0	156	30.3	29.5	31.3	5.8	339	320	321	0.2	3.2	Pope
711	106	--	--	--	--	--	58.8	--	--	170	--	--	--	--
712	184	--	--	--	--	--	33.6	--	--	298	--	--	--	--
713	174	--	--	--	--	--	34.8	--	--	287	--	--	--	--
714	504	492	-2	322	15.2	14.8	15.6	5.4	675	640	646	1	6.5	Micro
715	230	201	-13	126	37.2	36.3	38.2	5.2	276	262	268	2.2	2.7	Micro
716	593	548	-8	359	13.7	13.4	14.5	8.4	749	691	733	6	7.3	Curtis
717	571	494	-13	322	15.2	14.8	14	-5.2	675	712	642	-9.9	6.4	Curtis
718	575	526	-9	358	13.7	13.4	14.2	6	747	705	715	1.5	7.2	Curtis
719	--	--	--	--	--	--	--	--	--	--	--	--	--	--
720	502	474	-6	312	15.7	15.2	14.8	-2.9	656	675	652	-3.4	6.5	Curtis
721	640	597	-7	408	12.1	11.8	13.3	12.4	846	752	825	9.8	8.3	Curtis
722	217	216	0	136	34.6	33.7	41.7	23.7	297	240	287	19.7	2.9	Pope
723	516	327	-37	307	15.9	15.5	11.5	-26.1	644	872	461	-47.1	4.6	Southwestern
724	560	521	-7	404	12.3	11.9	13	8.9	838	769	758	-1.5	7.6	Curtis
725	751	708	-6	551	9.1	8.9	9.3	4.9	1,128	1,075	1,052	-2.2	10.5	Curtis
726	1,622	1,577	-3	1,334	3.9	3.8	3.9	3.3	2,623	2,540	2,487	-2.1	24.9	Curtis
727	2,579	2,537	-2	2,332	2.3	2.2	2.3	2.2	4,470	4,373	4,212	-3.7	42.1	Curtis
728	525	528	1	411	12.1	11.7	14.6	24.3	852	685	688	0.4	6.9	Curtis
729	541	509	-6	368	13.4	13	13.7	4.8	767	732	720	-1.6	7.2	Curtis
730	579	541	-7	400	12.4	12	12.9	7.5	831	773	770	-0.3	7.7	Curtis
731	617	--	--	--	--	--	--	--	--	--	--	--	--	Tx Electric
732	257	254	-1	204	23.5	22.9	25	9	436	400	393	-1.7	3.9	Pope
733	4,226	--	--	--	--	--	1.5	--	--	6,870	--	--	--	--
734	1,896	--	--	--	--	--	3.1	--	--	3,200	--	--	--	--
735	2,553	2,510	-2	2,263	2.6	2.6	--	--	3,898	--	4,054	--	40.5	Curtis
736	9,413	9,393	0	6,886	0.8	0.8	--	--	12,536	--	14,134	--	141.3	Curtis
737	920	859	-7	653	7.7	7.5	--	--	1,326	--	1,269	--	12.7	Curtis
738	848	--	--	--	--	--	--	--	--	--	--	--	--	Southwestern
739	809	961	19	549	9.1	8.9	--	--	1,124	--	1,169	--	11.7	Orlando
740	395	--	--	--	--	--	15.2	--	--	660	--	--	--	Tx Test
741	411	--	--	--	--	--	15.1	--	--	661	--	--	--	--
742	177	--	--	--	--	--	33.1	--	--	302	--	--	--	--
743	574	--	--	--	--	--	11.7	--	--	857	--	--	--	--
744	130	--	--	--	--	--	47.2	--	--	212	--	--	--	--
745	--	--	--	--	--	--	--	--	--	--	--	--	--	--
746	643	611	-5	487	10.2	10	11.6	16.3	1,002	862	877	1.8	8.8	Wood
747	2,566	2,545	-1	1,846	2.9	2.8	3.8	35	3,577	2,650	3,748	41.4	37.5	Wood
748	996	921	-8	672	7.5	7.3	--	--	1,363	--	1,315	--	13.1	Curtis
749	720	799	11	563	8.9	8.7	8.3	-4.1	1,150	1,200	1,105	-7.9	11.1	Tx Health
750	396	395	0	236	20.5	19.9	21.7	9.1	502	460	508	10.5	5.1	Pope
751	347	333	-4	186	25.7	25.1	25.5	1.8	399	392	410	4.5	4.1	Wood
752	385	376	-2	244	19.9	19.3	20	3.4	517	500	498	-0.4	5.0	Wood

	TDS	Sum TDS	% var. TDS	NaCl Equiv.	Rw @75°F (Ion Conc.) (ohm-m)	Rw @77°F (Ion Conc.) (ohm-m)	Rw @77°F (Measured) (ohm-m)	% var. S.C. (Ions)	Specific Conductance (Ion Conc.) (μmhos/cm)	Specific Conductance (Measured) (μmhos/cm)	Specific Conductance (Anion Sum) (μmhos/cm)	% var. S.C. (Anion)	Anion Sum (meq/l)	Lab
753	504	495	-2	341	14.4	14	14.6	3.9	714	687	681	-0.9	6.8	Micro
754	526	516	-2	357	13.8	13.4	14.2	5.6	745	706	712	0.9	7.1	Micro
755	58	--	--	--	--	--	--	--	--	--	--	--	--	--
756	43	41	-6	26	167.2	162.8	--	--	61	--	53	--	0.5	Orlando
757	72	65	-10	41	107.9	105.1	128.2	22	95	78	85	8.6	0.8	Wood
758	363	352	-3	226	21.3	20.7	21.8	5	482	459	464	1.1	4.6	Wood
759	63	--	--	--	--	--	113.6	--	--	88	--	--	--	--
760	588	575	-2	404	12.2	11.9	12.5	5.3	839	797	810	1.6	8.1	Wood
761	215	206	-4	125	37.6	36.6	39.8	8.9	273	251	259	3.2	2.6	Micro
762	225	216	-4	133	35.4	34.4	40.7	18	290	246	271	10.4	2.7	Micro
763	161	153	-5	91	51	49.7	52.9	6.6	201	189	195	3.3	2.0	Micro
764	1,200	1,187	-1	822	6.2	6.1	6.2	2	1,653	1,620	1,641	1.3	16.4	Wood
765	157	149	-5	89	51.8	50.4	55.6	10.2	198	180	185	2.6	1.8	Wood
766	492	463	-6	253	19.1	18.6	20	7.3	536	500	567	13.3	5.7	Curtis
767	264	244	-8	154	30.8	30	34.8	16.1	333	287	321	11.9	3.2	Curtis
768	607	566	-7	344	14.3	13.9	14.3	3.1	720	698	732	4.9	7.3	Curtis
769	804	764	-5	480	10.4	10.1	10.5	4	988	950	1,010	6.4	10.1	Curtis
770	486	--	--	--	--	--	13.1	--	--	764	--	--	--	--
771	295	--	--	--	--	--	17.4	--	--	575	--	--	--	Tx Test

TEMPERATURE CORRECTIONS USED TO ADJUST Ro_H AND Ro_L TO 77°F

Section 3

This section documents the steps used to calculate the temperature corrections used to adjust Ro_H and Ro_L to 77° F. (See the **Ro-TDS** section in Chapter 14, Volume I). Correcting Ro values to a standard temperature (77° F) and then plotting Ro versus TDS is one technique for determining water quality from logs.

Five columns in the data base tabulations that follow are also found in the **WATER QUALITY DATA BASE** in Section 1 of this volume: County, T.D., Temp @ T.D., Ro_H, and Ro_L. Columns are numbered to facilitate tracking the steps involved in each calculation. The values calculated in columns 3, 7, 10, 11, 14, and 15 were rounded to the nearest whole number. The values in columns 3 and 6 were rounded to the nearest one tenth.

EXPLANATION

County — 116 counties in Texas are represented. The first entry for each county is presented in bold type.

1
T.D. — Total depth of the borehole in feet. Either the driller's depth or the logger's depth is recorded in this column. Usually the logger's depth is recorded. Often there is a difference of a few feet between the two depths. It is usually impossible to determine which depth is more accurate.

2
Temp. @ T.D. — The maximum temperature recorded during the logging run. Some thermometers could not record temperatures lower than 100° F, thus the < 100° F entries. Also, this probably explains many of the 100° F readings. Therefore, little confidence should be placed in the 100° F entries (especially those with TD's less than 1000 feet). Not all logging jobs provided temperature readings.

3
GTG — The geothermal gradient (GTG) of a well in ° F/100 feet of increase in depth. It is calculated from the bottom hole temperature of the well (Temp. @ T.D.) by using the following equation:

temperature of the well (Temp. @ T.D.) by using the following equation:

$$GTG = \frac{Temp\ @\ T.D. - 72^{\circ}\ F}{T.D.} \times 100$$

The geothermal gradient value is suspect for wells with a 100° F temperature at T.D. (See the Temp. @ T.D. section for an explanation).

4 TWDB Geothermal Gradient

An average countywide geothermal gradient in ° F/100 feet of increase in depth. The data is from Texas Water Develop ment Board Report 157, Volume I, **A Survey of the Subsurface Saline Water of Texas**, 1972, page 3. These data originally appeared in **"Geothermal gradients, drilling, and production practice"** by P.L. Moses (1961), American Petroleum Institute.

5 Average Depth of Sample

The average depth of the interval from which the Ro values was taken. If there is no Ro value, the value is the average depth of the water analysis. In some cases both depths are the same. A single average depth, rounded off to the nearest 100 feet, was calculated from the appropriate depth interval in the Screen Depth/Depth of Water Sample//Depth of Log Analysis column in the **WATER-QUALITY DATA BASE** in Section 1. A single value, rather than an interval, was required for calculating the Temperature Correction. (See explanations for columns 8 and 9 below.)

6 Temp. @ Av. Depth using 3

The temperature in ° F of the Average Depth of Sample calculated from the geothermal gradient of the well (Geothermal Gradient, column 3). The values were computed by using the following equation:

$$Temp.\ @\ Av.\ Depth = \frac{Geothermal\ Gradient \times Average\ Depth\ of\ Sample}{100} + 72^{\circ}\ F$$

Values were calculated for only those wells with bottom hole temperatures other than 100° F.

7
Temp. @ Av. Depth using 4

The temperature in ° F of the Average Depth of Sample calculated from the countywide geothermal gradient (TWDB Geothermal Gradient, column 4). The values were computed by using the following equation:

$$\textit{Temp. @ Av. Depth} = \frac{\textit{TWDB Geothermal Gradient} \times \textit{Average Depth of Sample}}{100} + 72° \ F$$

Values were calculated for every well.

8
Temp. Correction using 6

A temperature correction for adjusting the Ro values to the equivalent Ro value at 77° F. The temperature correction was calculated from the Temp. @ Av. Depth using 3 (column 6). It was calculated by using the following equation:

$$\textit{Temp. Correction} = \frac{\textit{Temp. @ Av. Depth using } 3}{77° \ F}$$

9
Temp. Correction using 7

A temperature correction for adjusting the Ro value to the equivalent Ro value at 77° F. The temperature correction was calculated from the Temp. @ Av. Depth using 4 (column 7). It was calculated by using the following equation:

$$\textit{Temp. Correction} = \frac{\textit{Temp. @ Av. Depth using } 4}{77° \ F}$$

10
Corrected Ro_H using 8

Ro_H (column 12) in ohm-meters temperature corrected to 77° F by using the following equation:

$$\textit{Corrected } Ro_H = \textit{Temp. Correction using } 6 \times Ro_H$$

This correction is based on the geothermal gradient of each well. The flow diagram for the steps to correct Ro_H is as follows:

3		6		8		10
GTG	→	Temp. @ Av. Depth using 3	→	Temp. Correction using 6	=	Corrected Ro_H using 8

11 Corrected Ro_H using 9

Ro_H (column 12) in ohm-meters temperature corrected to 77° F by using the following equation:

$$\textit{Corrected } Ro_H = \textit{Temp. Correction using } 7 \times Ro_H$$

This correction is based on a countywide geothermal gradient. The flow diagram for the steps to correct Ro_H is as follows:

4		7		9		11
TWDB Geothermal Gradient	→	Temp. @ Av. Depth using 4	→	Temp. Correction using 7	=	Corrected Ro_H using 9

12 Ro_H

The highest resistivity value on the deep investigating resistivity curve that is representative of the interval from which the water analysis and/or the log analysis was made. Generally the reading is from either a 64 inch long normal, a lateral, or a deep induction curve. This value in ohm-meters is assumed to be the resistivity of the uninvaded zone (Ro). Some intervals have a range of Ro values, necessitating both a high and a low value. If the zone has a single Ro value, it was placed in this column.

13 Ro_L

The lowest resistivity value on the deep investigating resistivity curve that is representative of the interval from which the water analysis and/or the log analysis was made. Generally the reading is from either a 64 inch long normal, a lateral, or a deep induction curve. This value in ohm-meters is assumed to be the resistivity of the uninvaded zone (Ro). Some intervals have a range of Ro values, necessitating both a high and a low value.

14 Corrected Ro_L using 8	Ro_L (column 13) in ohm-meters temperature corrected to 77° F by using the following equation:

$$\textit{Corrected } Ro_L = \textit{Temp. Correction using } 6 \times Ro_L$$

This correction is based on the geothermal gradient of each well. The flow diagram for the steps to correct Ro_L is as follows:

3		6		8		14
GTG	→	Temp. @ Av. Depth using 3	→	Temp. Correction using 6	=	Corrected Ro_L using 8

15 Corrected Ro_L using 9	Ro_L (column 13) in ohm-meters temperature corrected to 77° F by using the following equation:

$$\textit{Corrected } Ro_L = \textit{Temp. Correction using } 7 \times Ro_L$$

This correction is based on a countywide geothermal gradient. The flow diagram for the steps to correct Ro_L is as follows:

4		7		9		15
TWDB Geothermal Gradient	→	Temp. @ Av. Depth using 4	→	Temp. Correction using 7	=	Corrected Ro_L using 9

	County	1 T.D. (feet)	2 Temp. @ T.D. (°F)	3 Geothermal Gradient (°/100 feet)	4 TWDB Geothermal Gradient (°/100 feet)	5 Average Depth of Sample (feet)	6 Temp. @ Av. Depth using 3 (° F)	7 Temp. @ Av. Depth using 4 (° F)	8 Temp. Correction using 6	9 Temp. Correction using 7	10 Corrected Ro_H using 8 (ohm-m)	11 Corrected Ro_H using 9 (ohm-m)	12 Ro_H (ohm-m)	13 Ro_L (ohm-m)	14 Corrected Ro_L using 8 (ohm-m)	15 Corrected Ro_L using 9 (ohm-m)
1	Anderson	1734	<100	--	2	400		80		1.04			--	--		
2	Anderson	1734	<100	--	2	1400		100		1.3			--	--		
3	Anderson	1901	--	--	2	1800		108		1.4		35	25	--		
4	Anderson	865	95	2.7	2	700	90.6	86	1.18	1.12	49	47	42	40	47	45
5	Anderson	865	95	2.7	2	700	90.6	86	1.18	1.12	49	47	42	40	47	45
6	Anderson	1410	--	--	2	1100		94		1.22			--	--		
7	Anderson	1193	<100	--	2	1100		94		1.22			--	--		
8	Anderson	646	--	--	2	600		84		1.09		82	75	--		
9	Anderson	1106	--	--	2	1100		94		1.22		52	43	--		
10	Anderson	2344	100	1.2	2	800		88		1.14			--	--		
11	Anderson	2344	100	1.2	2	2100		114		1.48			--	--		
12	Anderson	2344	--	--	2	2100		114		1.48			--	--		
13	Anderson	2344	--	--	2	2300		118		1.53			--	--		
14	Anderson	2344	--	--	2	2000		112		1.45			--	--		
15	Anderson	2344	--	--	2	2300		118		1.53			--	--		
16	Anderson	2365	<100	--	2	1900		110		1.43			--	--		
17	Anderson	2368	100	1.2	2	2100		114		1.48		27	18	--		
18	Anderson	2368	100	1.2	2	1600		104		1.35		105	78	--		
19	Anderson	2368	100	1.2	2	1700		106		1.38		176	128	--		
20	Anderson	2370	100	1.2	2	700		86		1.12		240	215	--		
21	Anderson	1761	100	1.6	2	1700		106		1.38		165	120	100		138
22	Anderson	985	<100	--	2	900		90		1.17		41	35	--		
23	Anderson	1963	100	1.4	2	1900		110		1.43		31	22	20		29
24	Anderson	984	80	0.8	2	800	78.4	88	1.02	1.14	43	48	42	23	23	26
25	Anderson	2237	101	1.3	2	2100	99.2	114	1.29	1.48	52	59	40	38	49	56
26	Anderson	2237	101	1.3	2	2100	99.2	114	1.29	1.48	52	59	40	38	49	56
27	Andrews	1575	--	--	0.7	1400		81.8		1.06			--	--		
28	Angelina	785	100	3.6	2	700		86		1.12		34	30	26		29
29	Angelina	799	--	--	2	500		82		1.06			--	--		
30	Angelina	555	<100	--	2	400		80		1.04			--	--		
31	Angelina	411	100	6.8	2	300		78		1.01		41	40	25		25
32	Angelina	1863	--	--	2	1100		94		1.22		1	1	--		
33	Angelina	1863	--	--	2	1800		108		1.4		18	13	10		14
34	Angelina	1863	--	--	2	600		84		1.09		12	11	9		10
35	Angelina	1260	--	--	2	1200		96		1.25		62	50	43		54
36	Angelina	1100	--	--	2	1000		92		1.19			--	--		
37	Angelina	1269	<100	--	2	1200		96		1.25		50	40	--		
38	Angelina	1345	92	1.5	2	1100	88.4	94	1.15	1.22	48	51	42	38	44	46
39	Angelina	1276	100	2.2	2	1200		96		1.25		69	55	--		
40	Angelina	1123	96	2.1	2	1000	93.4	92	1.21	1.19	97	96	80	--		
41	Angelina	1143	--	--	2	1100		94		1.22			--	--		
42	Angelina	950	<100	--	2	800		88		1.14		13	11	7		8
43	Atascosa	1868	100	1.5	2	1800		108		1.4		98	70	--		
44	Atascosa	2793	--	--	2	2700		126		1.64		87	53	--		
45	Atascosa	4359	125	1.2	2	4300	124.3	158	1.61	2.05	40	51	25	--		
46	Atascosa	2495	116	1.8	2	2400	114.3	120	1.48	1.56	74	78	50	45	67	70
47	Atascosa	2007	100	1.4	2	1900		110		1.43		107	75	--		

	County	1 T.D. (feet)	2 Temp. @ T.D. (°F)	3 Geothermal Gradient (°/100 feet)	4 TWDB Geothermal Gradient (°/100 feet)	5 Average Depth of Sample (feet)	6 Temp. @ Av. Depth *using 3* (° F)	7 Temp. @ Av. Depth *using 4* (° F)	8 Temp. Correction *using 6*	9 Temp. Correction *using 7*	10 Corrected Ro_H using 8 (ohm-m)	11 Corrected Ro_H using 9 (ohm-m)	12 Ro_H (ohm-m)	13 Ro_L (ohm-m)	14 Corrected Ro_L using 8 (ohm-m)	15 Corrected Ro_L using 9 (ohm-m)
48	Atascosa	4257	122	1.2	2	3800	116.6	148	1.51	1.92	53	67	35	--		
49	Atascosa	4130	120	1.2	2	3700	115.5	146	1.5	1.9	63	80	42	31	46	59
50	Atascosa	3628	<100	--	2	3400		140		1.82		100	55	40		73
51	Atascosa	3780	108	1	2	3400	104.4	140	1.36	1.82	56	75	41	31	42	56
52	Atascosa	3821	100	0.7	2	3500		142		1.84		92	50	43		79
53	Atascosa	3753	106	0.9	2	3200	101	136	1.31	1.77			--	--		
54	Atascosa	1830	107	1.9	2	1700	104.5	106	1.36	1.38	102	103	75	--		
55	Bastrop	715	--	--	2.5	500		84.5		1.1		66	60	--		
56	Bell	2366	109	1.6	2	2300	108	118	1.4	1.53	49	54	35	--		
57	Bell	1262	100	2.2	2								--	--		
58	Bell	2827	--	--	2								--	--		
59	Bell	1238	100	2.3	2	1200		96		1.25		59	47	36		45
60	Bell	1259	--	--	2	1200		96		1.25			--	--		
61	Bexar	773	<100	--	2								--	--		
62	Bexar	500	--	--	2	300		78		1.01		28	28	22		22
63	Bexar	--	--	--	2								--	--		
64	Bexar	376	--	--	2								--	--		
65	Bexar	847	--	--	2								--	--		
66	Bexar	814	100	3.4	2								--	--		
67	Bexar	830	<100	--	2								--	--		
68	Bosque	1218	85	1.1	2	900	81.6	90	1.06	1.17	46	50	43	34	36	40
69	Bowie	262	--	--	2	200		76		0.99			--	--		
70	Brazoria	483	90	3.7	1.6	400	86.9	78.4	1.13	1.02	24	21	21	--		
71	Brazos	3160	130	1.8	2.3	2800	123.4	136.4	1.6	1.77			--	--		
72	Brazos	3150	104	1	2.3	2800	100.4	136.4	1.3	1.77	38	51	29	--		
73	Brazos	2947	108	1.2	2.3	2600	103.8	131.8	1.35	1.71	44	56	33	28	38	48
74	Brazos	2872	110	1.3	2.3	2500	105.1	129.5	1.36	1.68	61	76	45	32	44	54
75	Brazos	2867	100	1	2.3	2600		131.8		1.71		86	50	30		51
76	Brazos	3023	111	1.3	2.3	100	73.3	74.3	0.95	0.96			--	--		
77	Brazos	--	--	--	2.3								--	--		
78	Brazos	2977	108	1.2	2.3	2700	104.7	134.1	1.36	1.74	39	51	29	--		
79	Brazos	2944	102	1	2.3	2600	98.5	131.8	1.28	1.71	38	51	30	28	36	48
80	Brazos	3059	128	1.8	2.3								--	--		
81	Brazos	2975	107	1.2	2.3	2700	103.8	134.1	1.35	1.74			--	--		
82	Brazos	3841	118	1.2	2.3	1200	86.4	99.6	1.12	1.29	12	14	11	--		
83	Brazos	3841	118	1.2	2.3	1600	91.2	108.8	1.18	1.41			--	--		
84	Brazos	3841	118	1.2	2.3	3800	117.5	159.4	1.53	2.07			--	--		
85	Brazos	3160	108	1.1	2.3	2900	105	138.7	1.36	1.8	25	32	18	--		
86	Burleson	1346	83	0.8	2.4	300	74.5	79.2	0.97	1.03			--	--		
87	Burleson	1346	--	--	2.4	400		81.6		1.06		58	55	--		
88	Burleson	1346	--	--	2.4								--	--		
89	Burleson	1609	--	--	2.4	1500		108		1.4			--	--		
90	Burleson	1706	--	--	2.4	1600		110.4		1.43		57	40	--		
91	Burleson	3833	118	1.2	2.4	2200	98.4	124.8	1.28	1.62	18	23	14	--		
92	Caldwell	350	--	--	2	200		76		0.99			--	--		
93	Caldwell	307	--	--	2	200		76		0.99		23	23	13		13
94	Calhoun	9105	192	1.3	1.6	3900	123.4	134.4	1.6	1.75			--	--		

	County	1 T.D. (feet)	2 Temp. @ T.D. (°F)	3 Geothermal Gradient (°/100 feet)	4 TWDB Geothermal Gradient (°/100 feet)	5 Average Depth of Sample (feet)	6 Temp. @ Av. Depth using 3 (° F)	7 Temp. @ Av. Depth using 4 (° F)	8 Temp. Correction using 6	9 Temp. Correction using 7	10 Corrected Ro_H using 8 (ohm-m)	11 Corrected Ro_H using 9 (ohm-m)	12 Ro_H (ohm-m)	13 Ro_L (ohm-m)	14 Corrected Ro_L using 8 (ohm-m)	15 Corrected Ro_L using 9 (ohm-m)
95	Cass	832	-- --		1.8	400		79.2		1.03		53	52	34		35
96	Cass	696	100	4	1.8	600		82.8		1.08		18	17	--		
97	Cherokee	600	-- --		2.2	600		85.2		1.11			--	--		
98	Cherokee	502	<100 --		2.2	500		83		1.08		108	100	35		38
99	Cherokee	935	-- --		2.2	800		89.6		1.16		15	13	--		
100	Cherokee	751	100	3.7	2.2	600		85.2		1.11		50	45	--		
101	Cherokee	751	<100 --		2.2	600		85.2		1.11			--	--		
102	Cherokee	1078	100	2.6	2.2	700		87.4		1.14			--	--		
103	Cherokee	1565	-- --		2.2	1000		94		1.22			--	--		
104	Cherokee	1565	-- --		2.2	600		85.2		1.11			--	--		
105	Cherokee	850	100	3.3	2.2								--	--		
106	Cherokee	788	100	3.6	2.2	700		87.4		1.14		79	70	--		
107	Cherokee	1150	100	2.4	2.2	700		87.4		1.14			--	--		
108	Cherokee	773	-- --		2.2	700		87.4		1.14			--	--		
109	Cherokee	710	-- --		2.2	600		85.2		1.11		66	60	--		
110	Cherokee	697	-- --		2.2	600		85.2		1.11		122	110	50		55
111	Cherokee	1124	100	2.5	2.2	900		91.8		1.19		26	22	20		24
112	Cherokee	1124	100	2.5	2.2	900		91.8		1.19		26	22	20		24
113	Cherokee	613	-- --		2.2	600		85.2		1.11		20	18	--		
114	Cherokee	591	-- --		2.2	400		80.8		1.05		63	60	--		
115	Cherokee	591	<100 --		2.2	400		80.8		1.05		63	60	--		
116	Clarke	372	-- --		--	300							--	--		
117	Collin	1559	-- --		2	1100		94		1.22			--	--		
118	Collin	1901	-- --		2								--	--		
119	Collin	2700	106	1.3	2	2500	103.5	122	1.34	1.58	44	51	33	32	43	51
120	Collin	2415	-- --		2	2000		112		1.45			--	--		
121	Collin	1044	-- --		2	1000		92		1.19		24	20	--		
122	Collin	2233	105	1.5	2	2200	104.5	116	1.36	1.51	27	30	20	--		
123	Collin	2004	-- --		2	1900		110		1.43			--	--		
124	Collin	2215	102	1.4	2	2200	101.8	116	1.32	1.51	53	60	40	37	49	56
125	Collin	2228	105	1.5	2								--	--		
126	Collin	2653	101	1.1	2	2500	99.3	122	1.29	1.58	26	32	20	16	21	25
127	Collin	2505	-- --		2	2000		112		1.45			--	--		
128	Collin	1753	90	1	2	1700	89.5	106	1.16	1.38			--	--		
129	Comal	790	-- --		2	500		82		1.06			--	--		
130	Concho	4061	115	1.1	1.4	1200	84.7	88.8	1.1	1.15			--	--		
131	Cooke	932	90	1.9	1	800	87.5	80	1.14	1.04			--	--		
132	Cooke	1165	89	1.5	1	1000	86.6	82	1.12	1.06			--	--		
133	Coryell	918	<100 --		1.8	800		86.4		1.12		39	35	30		34
134	Coryell	774	120	6.2	1.8	700		84.6		1.1		37	34	--		
135	Dallas	2777	90	0.6	2	2700	89.5	126	1.16	1.64	43	61	37	30	35	49
136	Dallas	1154	84	1	2	1100	83.4	94	1.08	1.22	47	52	43	40	43	49
137	Dallas	1201	-- --		2	1200		96		1.25			--	--		
138	Dallas	2475	105	1.3	2	2300	102.7	118	1.33	1.53			--	--		
139	Dallas	2520	>100 --		2	2500		122		1.58		119	75	--		
140	Dallas	2507	100	1.1	2	2300		118		1.53		61	40	20		31
141	Dallas	28	-- --		2								--	--		

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142	Dallas	2367	-- --		2	2300		118		1.53			--	--		
143	Dallas	2321	95	1	2	2200	93.8	116	1.22	1.51	43	53	35	--		
144	Dallas	3207	111	1.2	2	3100	109.7	134	1.42	1.74			--	--		
145	Dallas	3199	118	1.4	2	3100	116.6	134	1.51	1.74	68	78	45	35	53	61
146	Dallas	1093	92	1.8	2	1000	90.3	92	1.17	1.19			--	--		
147	Dallas	2622	90	0.7	2	2500	89.2	122	1.16	1.58			--	--		
148	Dallas	1528	82	0.7	2	1400	81.2	100	1.05	1.3	35	43	33	26	27	34
149	Dallas	1854	122	2.7	2	1700	117.8	106	1.53	1.38	31	28	20	14	21	19
150	Dallas	2843	115	1.5	2	2800	114.3	128	1.49	1.66	30	33	20	--		
151	Dallas	1557	<100 --		2	1400		100		1.3		58	45	37		48
152	Dallas	2041	90	0.9	2	1900	88.8	110	1.15	1.43	50	61	43	33	38	47
153	Dallas	2029	100	1.4	2	1900		110		1.43		34	24	--		
154	Dallas	2035	100	1.4	2	1900		110		1.43		57	40	--		
155	Dallas	1656	89	1	2	1600	88.4	104	1.15	1.35			--	--		
156	Dallas	821	-- --		2	800		88		1.14		21	18	--		
157	Dallas	1252	-- --		2	1100		94		1.22			--	--		
158	Dallas	1252	-- --		2	1100		94		1.22			--	--		
159	Dallas	1353	85	1	2	1300	84.5	98	1.1	1.27	30	34	27	--		
160	Dallas	2309	98	1.1	2	2200	96.8	116	1.26	1.51			--	--		
161	Dallas	2138	95	1.1	2	2000	93.5	112	1.21	1.45			--	--		
162	Dallas	3091	98	0.8	2	3000	97.2	132	1.26	1.71			--	--		
163	Dallas	3230	100	0.9	2	3100	72	134	0.94	1.74			--	--		
164	Dallas	1845	95	1.2	2	1800	94.4	108	1.23	1.4			--	--		
165	Dallas	1584	-- --		2	1500	72	102	0.94	1.32	17	24	18	15	14	20
166	Dallas	1600	75	0.2	2	1100	74.1	94	0.96	1.22			--	--		
167	Dallas	1600	75	0.2	2	1500	74.8	102	0.97	1.32			--	--		
168	Dallas	2596	90	0.7	2	2500	89.3	122	1.16	1.58			--	--		
169	Dallas	2774	100	1	2	1100	72	94	0.94	1.22	14	18	15	--		
170	Dallas	2774	100	1	2	2600	72	124	0.94	1.61			--	--		
171	Dallas	2140	87	0.7	2	2000	86	112	1.12	1.45	39	51	35	25	28	36
172	Dallas	2170	90	0.8	2	2100	89.4	114	1.16	1.48			--	--		
173	Dallas	2116	97	1.2	2	2000	95.6	112	1.24	1.45	50	58	40	25	31	36
174	Dallas	2225	94	1	2	2200	93.8	116	1.22	1.51	43	53	35	--		
175	Dallas	2262	110	1.7	2	2200	109	116	1.42	1.51	16	17	11	--		
176	Delta	3333	-- --		2.4	3300		151.2		1.96			--	--		
177	Delta	604	<100 --		2.4	500		84		1.09		34	31	15		16
178	Delta	604	<100 --		2.4	600		86.4		1.12			--	--		
179	Delta	604	<100 --		2.4	500		84		1.09			--	--		
180	Delta	708	-- --		2.4	600		86.4		1.12		28	25	--		
181	Delta	708	<100 --		2.4	500		84		1.09			--	--		
182	Delta	708	<100	74.6	2.4	600		86.4		1.12			--	--		
183	Delta	580	<100 --		2.4	400		81.6		1.06			--	--		
184	Delta	271	-- --		2.4	200		76.8		1			--	--		
185	Denton	1133	-- --		1.2	1100		85.2		1.11			--	--		
186	Denton	1121	-- --		1.2								--	--		
187	Denton	1138	-- --		1.2	1100		85.2		1.11			--	--		
188	Denton	1549	96	1.5	1.2	1400	93.7	88.8	1.22	1.15	55	52	45	--		

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189	Denton	1530	-- --		1.2								--	--		
190	Denton	918	65	-0.8	1.2	900	65.1	82.8	0.85	1.08	25	32	30	--		
191	Denton	883	-- --		1.2	800		81.6		1.06			--	--		
192	Denton	1658	-- --		1.2	1500		90		1.17		53	45	20		23
193	Denton	1365	-- --		1.2	1300		87.6		1.14			--	--		
194	Denton	1598	-- --		1.2	1300		87.6		1.14			--	--		
195	Denton	1030	-- --		1.2	900		82.8		1.08			--	--		
196	Denton	887	85	1.5	1.2	700	82.3	80.4	1.07	1.04			--	--		
197	Denton	2250	98	1.2	1.2	1300	87	87.6	1.13	1.14			--	--		
198	Denton	2415	99	1.1	1.2								--	--		
199	Denton	1200	90	1.5	1.2	900	85.5	82.8	1.11	1.08			--	--		
200	Denton	858	-- --		1.2	800		81.6		1.06		15	14	--		
201	Denton	1207	-- --		1.2	800		81.6		1.06		47	44	18		19
202	Denton	1424	94	1.5	1.2	1300	92.1	87.6	1.2	1.14	30	28	25	22	26	25
203	Denton	1005	-- --		1.2	1000		84		1.09		28	26	--		
204	Denton	1045	88	1.5	1.2	1000	87.3	84	1.13	1.09	51	49	45	--		
205	Denton	1900	-- --		1.2	1800		93.6		1.22		35	29	--		
206	Denton	1900	95	1.2	1.2	1800	93.8	93.6	1.22	1.22			--	--		
207	Denton	1912	95	1.2	1.2	1800	93.7	93.6	1.22	1.22			--	--		
208	Denton	950	-- --		1.2	900		82.8		1.08			--	--		
209	Denton	2405	-- --		1.2	2300		99.6		1.29			--	--		
210	Denton	2183	90	0.8	1.2	1800	86.8	93.6	1.13	1.22	20	22	18	--		
211	Dewitt	1422	92	1.4	2.2	1200	88.9	88.9	1.15	1.15			--	--		
212	Dimmit	1508	-- --		2								--	--		
213	Dimmit	852	-- --		2	800		88		1.14		400	350	200		229
214	Dimmit	844	-- --		2	700		86		1.12		95	85	80		89
215	Dimmit	812	-- --		2	700		86		1.12		279	250	190		212
216	Dimmit	2266	-- --		2	2100		114		1.48		78	53	50		74
217	Dimmit	2163	102	1.4	2	2100	101.1	114	1.31	1.48	53	59	40	--		
218	Duval	1264	<100 --		2.4	200		76.7		1		19	19	--		
219	Duval	652	-- --		2.4	200		76.7		1		10	10	--		
220	Duval	--	-- --		2.4	600		86.1		1.12			--	--		
221	Edgewood	570	-- --		--	400							--	--		
222	El Paso	815	-- --		0.8	500		76		0.99			--	--		
223	El Paso	1085	-- --		0.8								--	--		
224	El Paso	655	82	1.5	0.8	400	78.1	75.2	1.01	0.98			--	--		
225	El Paso	652	-- --		0.8	500		76		0.99			--	--		
226	El Paso	1015	-- --		0.8	500		76		0.99			--	--		
227	El Paso	1015	-- --		0.8	400		75.2		0.98			--	--		
228	El Paso	1015	-- --		0.8	900		79.2		1.03			--	--		
229	El Paso	873	80	0.9	0.8	600	77.5	76.8	1.01	1			--	--		
230	El Paso	560	72	0	0.8	400	72	75.2	0.94	0.98			--	--		
231	El Paso	776	-- --		0.8	500		76		0.99		32	32	--		
232	El Paso	680	-- --		0.8	500		76		0.99			--	--		
233	El Paso	765	70	-0.3	0.8	600	70.4	76.8	0.91	1	25	27	27	--		
234	El Paso	765	70	-0.3	0.8	600	70.4	76.8	0.91	1	5	5	5	--		
235	El Paso	765	70	-0.3	0.8	600	70.4	76.8	0.91	1	13	14	14	--		

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236	El Paso	739	-- --		0.8	600		76.8		1		12	12	--		
237	El Paso	739	-- --		0.8	600		76.8		1		25	25	--		
238	El Paso	739	-- --		0.8	600		76.8		1		17	17	--		
239	El Paso	1511	85	0.9	0.8	300	74.6	74.4	0.97	0.97	19	19	20	--		
240	El Paso	1511	85	0.9	0.8	300	74.6	74.4	0.97	0.97	12	12	12	--		
241	El Paso	1511	85	0.9	0.8	400	75.4	75.2	0.98	0.98	4	4	4	3	3	3
242	El Paso	1511	85	0.9	0.8	400	75.4	75.2	0.98	0.98	3	3	3	--		
243	Ellis	3203	-- --		2								--	--		
244	Ellis	1320	-- --		2	1200		96		1.25			--	--		
245	Ellis	1370	-- --		2	1300		98		1.27		32	25	--		
246	Ellis	1448	-- --		2	1400		100		1.3		25	19	--		
247	Ellis	1983	90	0.9	2	1900	89.2	110	1.16	1.43	20	24	17	15	17	21
248	Ellis	2300	100	1.2	2	2100		114		1.48			--	--		
249	Ellis	931	100	3	2	900		90		1.17		21	18	--		
250	Ellis	2365	98	1.1	2	2200	96.2	116	1.25	1.51	42	51	34	--		
251	Ellis	2412	92	0.8	2	2300	91.1	118	1.18	1.53			--	--		
252	Ellis	897	80	0.9	2	800	79.1	88	1.03	1.14	26	29	25	21	22	24
253	Ellis	2852	122	1.8	2	2800	121.1	128	1.57	1.66	39	42	25	--		
254	Ellis	--	-- --		2	1100		94		1.22			--	--		
255	Erath	442	82	2.3	1.8	300		77.4		1.01		65	65	--		
256	Erath	426	80	1.9	1.8	300		77.4		1.01		85	85	--		
257	Erath	500	110	7.6	1.8	400		79.2		1.03		51	50	--		
258	Erath	554	76	0.7	1.8	400		79.2		1.03			--	--		
259	Erath	470	-- --		1.8	400		79.2		1.03			--	--		
260	Erath	402	90	4.5	1.8	200		75.6		0.98		196	200	--		
261	Erath	558	92	3.6	1.8	400		79.2		1.03		77	75	--		
262	Fannin	1693	-- --		0.9	1500		85.5		1.11			--	--		
263	Fannin	1660	-- --		0.9	1500		85.5		1.11			--	--		
264	Fannin	3063	104	1	0.9	3000	103.3	99	1.34	1.29	36	35	27	--		
265	Fannin	3368	105	1	0.9	3300	104.3	101.7	1.35	1.32	47	46	35	--		
266	Fannin	414	-- --		0.9	300		74.7		0.97		146	150	--		
267	Franklin	667	-- --		2	400		80		1.04			--	--		
268	Franklin	470	-- --		2	200		76		0.99		494	500	--		
269	Franklin	255	<100 --		2								--	--		
270	Franklin	197	-- --		2	100		74		0.96			--	--		
271	Freestone	462	<100 --		2.2	200		76.4		0.99		36	36	--		
272	Freestone	462	100	6.1	2.2	300		78.6		1.02		41	40	--		
273	Freestone	462	100	6.1	2.2	400		80.8		1.05		21	20	--		
274	Freestone	605	-- --		2.2	500		83		1.08		81	75	--		
275	Freestone	607	-- --		2.2	500		83		1.08		75	70	--		
276	Freestone	744	<100 --		2.2	600		85.2		1.11			--	--		
277	Freestone	605	<100 --		2.2	500		83		1.08			--	--		
278	Freestone	589	-- --		2.2	500		83		1.08		49	45	38		41
279	Freestone	587	-- --		2.2	500		83		1.08		81	75	--		
280	Freestone	611	100	4.6	2.2	500		83		1.08		59	55	--		
281	Freestone	589	-- --		2.2	400		80.8		1.05			--	--		
282	Freestone	900	<100 --		2.2	400		80.8		1.05			--	--		

	County	1 T.D. (feet)	2 Temp. @ T.D. (°F)	3 Geothermal Gradient (°/100 feet)	4 TWDB Geothermal Gradient (°/100 feet)	5 Average Depth of Sample (feet)	6 Temp. @ Av. Depth using 3 (° F)	7 Temp. @ Av. Depth using 4 (° F)	8 Temp. Correction using 6	9 Temp. Correction using 7	10 Corrected Ro_H using 8 (ohm-m)	11 Corrected Ro_H using 9 (ohm-m)	12 Ro_H (ohm-m)	13 Ro_L (ohm-m)	14 Corrected Ro_L using 8 (ohm-m)	15 Corrected Ro_L using 9 (ohm-m)
283	Freestone	900	< 100	--	2.2	500		83		1.08			--	--		
284	Freestone	896	100	3.1	2.2	500		83		1.08		54	50	--		
285	Freestone	742	--	--	2.2	600		85.2		1.11		66	60	38		42
286	Freestone	710	100	3.9	2.2	600		85.2		1.11		44	40	28		31
287	Freestone	710	100	3.9	2.2	600		85.2		1.11		44	40	--		
288	Freestone	710	100	3.9	2.2	600		85.2		1.11		44	40	27		30
289	Frio	2135	< 100	--	2	2000		112		1.45		204	140	100		145
290	Frio	1350	103	2.3	2	1300	101.9	98	1.32	1.27	106	102	80	75	99	95
291	Frio	1600	< 100	--	2	1400		100		1.3		91	70	--		
292	Ft. Bend	1805	98	1.4	1.7	1400	92.2	95.8	1.2	1.24	60	62	50	--		
293	Ft. Bend	2011	100	1.4	1.7	1800		102.6		1.33			--	--		
294	Galveston	800	--	--	1.6	800		84.8		1.1			--	--		
295	Galveston	1331	--	--	1.6	1200		91.2		1.18		5	4	3		4
296	Galveston	1157	--	--	1.6								0	--		
297	Goliad	631	--	--	1.9	600		83.4		1.08			--	--		
298	Gonzales	4003	128	1.4	2.4	1000	86	96	1.12	1.25	279	312	250	--		
299	Gonzales	--	--	--	2.4	1900		117.6		1.53			--	--		
300	Gonzales	1645	--	--	2.4	1600		110.4		1.43		158	110	--		
301	Gonzales	2150	--	--	2.4								--	--		
302	Gonzales	2524	< 100	--	2.4	2400		129.6		1.68		81	48	20		34
303	Gonzales	5520	104	0.6	2.4	2100	84.2	122.4	1.09	1.59	66	95	60	--		
304	Gray	556	84	2.2	1	100	74.2	73	0.96	0.95	58	57	60	--		
305	Gray	556	84	2.2	1	100	74.2	73	0.96	0.95			--	--		
306	Gray	524	--	--	1	200		74		0.96			--	--		
307	Gray	524	--	--	1	200		74		0.96			--	--		
308	Grayson	1600	81	0.6	1	500	74.8	76.8	0.97	1			--	--		
309	Grayson	1600	81	0.6	1	1500	80.4	86.3	1.04	1.12	24	26	23	--		
310	Grayson	2150	--	--	1	2000		91		1.18			--	--		
311	Grayson	1190	90	1.5	1	1100	88.6	82.5	1.15	1.07	81	75	70	--		
312	Grayson	1142	73	0.1	1	700	72.6	78.7	0.94	1.02			--	--		
313	Grayson	1012	88	1.6	1	900	86.2	80.6	1.12	1.05	162	152	145	--		
314	Grayson	1011	88	1.6	1	800	84.7	79.6	1.1	1.03			--	--		
315	Grayson	2380	100	1.2	1	2000		91		1.18			--	--		
316	Grayson	1133	85	1.1	1	800	81.2	79.6	1.05	1.03	38	37	36	30	32	31
317	Grayson	1090	85	1.2	1	800	81.5	79.6	1.06	1.03	34	33	32	23	24	24
318	Grayson	--	--	--	1	1800		89.1		1.16			--	--		
319	Grayson	2231	100	1.3	1	900		80.6		1.05		89	85	--		
320	Grayson	2231	100	1.3	1	2200		92.9		1.21		39	32	--		
321	Grayson	2231	--	--	1	2200		92.9		1.21		49	41	--		
322	Grayson	--	--	--	1								--	--		
323	Grayson	2500	100	1.1	1	1100		82.5		1.07		40	37	13		14
324	Grayson	2452	--	--	1	1000		81.5		1.06			--	--		
325	Grayson	736	--	--	1	700		78.7		1.02			--	--		
326	Grayson	496	92	4	1	300	84.1	74.9	1.09	0.97	109	97	100	--		
327	Grayson	--	--	--	1								--	--		
328	Grayson	1050	--	--	1	900		80.6		1.05		61	58	--		
329	Grayson	--	--	--	1	900		80.6		1.05			--	--		

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330	Grayson	2300	98	1.1	1	2100	95.7	92	1.24	1.19	35	33	28	12	15	14
331	Grayson	2300	98	1.1	1	2200	96.9	92.9	1.26	1.21	35	34	28	12	15	14
332	Grayson	1540	95	1.5	1	1400	92.9	85.3	1.21	1.11	90	83	75	35	42	39
333	Gregg	794	<100	--	2	400		80		1.04		10	10	--		
334	Gregg	794	<100	--	2	400		80		1.04		6	6	--		
335	Gregg	827	75	0.4	2	700		86		1.12		17	15	--		
336	Gregg	616	--	--	2	500		82		1.06		24	23	--		
337	Gregg	898	--	--	2	900		90		1.17		15	13	--		
338	Gregg	545	>100	--	2	400		80		1.04		24	23	19		20
339	Gregg	628	>100	--	2	300		78		1.01		122	120	--		
340	Gregg	627	>100	--	2	300		78		1.01		12	12	--		
341	Gregg	627	>100	--	2	400		80		1.04		52	50	--		
342	Gregg	627	>100	--	2	400		80		1.04		14	13	--		
343	Gregg	865	<100	--	2	400		80		1.04		52	50	40		42
344	Gregg	865	<100	--	2	400		80		1.04		19	18	--		
345	Gregg	865	<100	--	2	400		80		1.04		19	18	--		
346	Grimes	400	--	--	2.3	300		78.9		1.02		28	27	--		
347	Grimes	600	--	--	2.3	400		81.2		1.05			--	--		
348	Guadalupe	2247	106	1.5	2	200	75	76	0.97	0.99	7	7	7	--		
349	Hardin	740	--	--	2.2	700		87.4		1.14			--	--		
350	Hardin	808	--	--	2.2	400		80.8		1.05		178	170	160		168
354	Harris	540	--	--	1.8	400		79.2		1.03			--	--		
352	Harris	1079	100	2.6	1.8								--	--		
353	Harris	1600	--	---	1.8	300		77.4		1.01			--	--		
354	Harris	1600	--	--	1.8	1200		93.6		1.22			--	--		
355	Harris	1616	--	--	1.8	800		86.4		1.12		34	30	25		28
356	Harris	1250	100	2.2	1.8	900		88.2		1.15		80	70	--		
357	Harris	1176	100	2.4	1.8	1000		90		1.17		70	60	40		47
358	Harris	1524	80	0.5	1.8	1300	78.8	95.4	1.02	1.24	10	12	10	--		
359	Harris	1310	100	2.1	1.8	500		81		1.05		68	65	50		53
360	Harris	1003	70	-0.2	1.8								--	--		
361	Harris	1425	100	2	1.8	1100		91.8		1.19		60	50	--		
362	Harris	1305	92	1.5	1.8	600	83.8	82.8	1.09	1.08	136	134	125	100	109	108
363	Harris	1304	90	1.4	1.8	600	80.3	82.8	1.04	1.08	73	75	70	--		
364	Harris	1522	92	1.3	1.8	500	78.6	81	1.02	1.05	128	131	125	100	102	105
365	Harris	1500	100	1.9	1.8	1100		91.8		1.19			--	--		
366	Harris	2802	91	0.7	1.8	1900	84.8	106.2	1.1	1.38	23	29	21	--		
367	Harris	2802	91	0.7	1.8	2600	91.6	118.8	1.19	1.54			--	--		
368	Harris	460	70	-0.4	1.8	300	70.7	77.4	0.92	1.01			--	--		
369	Harris	460	70	-0.4	1.8	400	70.3	79.2	0.91	1.03	5	5	5	4	4	4
370	Harris	645	--	--	1.8								--	--		
371	Harris	1649	--	--	1.8	1000		90		1.17		47	40	--		
372	Harris	1649	--	--	1.8	1100		91.8		1.19			--	--		
373	Harrison	472	<100	--	2.1	200		76.2		0.99		22	23	--		
374	Harrison	695	100	4	2.1	400		80.4		1.04		28	27	--		
375	Harrison	695	100	4	2.1	300		78.3		1.02		13	13	--		
376	Henderson	843	<100	--	2	700		86		1.12		78	70	--		

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377	Henderson	843	<100	--	2	700		86		1.12		30	27	--		
378	Henderson	586	80	1.4	2	500	78.8	82	1.02	1.06	31	32	30	25	26	27
379	Henderson	1102	--	--	2	1100		94		1.22		71	58	--		
380	Henderson	792	<100	--	2	700		86		1.12			--	--		
381	Henderson	980	--	--	2	400		80		1.04		104	100	80		83
382	Henderson	1247	100	2.2	2	1100		94		1.22		61	50	35		43
383	Henderson	1300	100	2.2	2	1100		94		1.22		61	50	32		39
384	Henderson	1344	100	2.1	2	1200		96		1.25		81	65	41		51
385	Henderson	430	--	--	2	200		76		0.99			--	--		
386	Henderson	250	80	3.2	2	200	78.4	76	1.02	0.99	44	42	43	40	41	39
387	Henderson	667	--	--	2	600		84		1.09		41	38	35		38
388	Henderson	928	100	3	2	600		84		1.09		87	80	--		
389	Henderson	1096	--	--	2	900		90		1.17		70	60	--		
390	Henderson	1300	100	2.2	2	1200		96		1.25		54	43	--		
391	Hidalgo	641	93	3.3	2	400	85.1	79.8	1.11	1.04	9	8	8	--		
392	Hidalgo	641	93	3.3	2	400	85.1	79.8	1.11	1.04	10	9	9	--		
393	Hidalgo	752	80	1.1	2	700	79.4	85.7	1.03	1.11	18	19	17	13	13	14
394	Hidalgo	1642	--	--	2	200		75.9		0.99			--	--		
395	Hidalgo	1642	--	--	2	300		77.9		1.01			--	--		
396	Hidalgo	1642	--	--	2	600		83.7		1.09		7	6	--		
397	Hidalgo	1642	--	--	2	200		75.9		0.99		8	8	--		
398	Hidalgo	404	75	0.7	2	300	74.2	77.9	0.96	1.01	37	38	38	19	18	19
399	Hidalgo	606	--	--	2	500		81.8		1.06		12	11	--		
400	Hill	1485	--	--	2	1400		100		1.3			--	--		
401	Hill	2070	--	--	2	2000		112		1.45		38	26	--		
402	Hill	2273	--	--	2	2100		114		1.48			--	--		
403	Hill	1633	90	1.1	2	1500	88.5	102	1.15	1.32	34	40	30	--		
404	Hood	277	--	--	1.8	200		75.6		0.98		44	45	--		
405	Hood	326	77	1.5	1.8	300		77.4		1.01		53	53	--		
406	Hood	333	72	0	1.8	300		77.4		1.01			--	--		
407	Hopkins	506	100	5.5	2	400		80		1.04		114	110	--		
408	Hopkins	480	85	2.7	2	500		82		1.06		37	35	--		
409	Hopkins	482	<100	--	2	400		80		1.04			--	--		
410	Houston	810	100	3.5	2	700		86		1.12		95	85	70		78
411	Houston	6992	174	1.5	2	2900	114.3	130	1.48	1.69	22	25	15	--		
412	Howard	--	--	--	1	200		73.9		0.96			--	--		
413	Howard	--	--	--	1	400		75.8		0.98			--	--		
414	Howard	--	--	--	1	400		75.8		0.98			--	--		
415	Howard	--	--	--	1	600		77.7		1.01			--	--		
416	Hunt	2010	100	1.4	2	1800		108		1.4		41	29	--		
417	Hunt	2318	--	--	2	2300		118		1.53		31	20	--		
418	Hunt	2400	--	--	2	2300		118		1.53		18	12	--		
419	Hunt	3345	130	1.7	2	3300	129.2	138	1.68	1.79	44	47	26	--		
420	Jackson	1256	100	2.2	1.9	1200		94.8		1.23		25	20	15		18
421	Jackson	4465	110	0.9	1.9	4200		151.8		1.97		1	0	--		
422	Jackson	4461	110	0.9	1.9	4300		153.7		2		1	0	--		
423	Jasper	1408	--	--	2.2	500		83		1.08		61	57	35		38

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424	Jasper	842	100	3.3	2.2	700		87.4		1.14		114	100	50		57
425	Jefferson	909	-- --		2	700		86		1.12		1	1	1		1
426	Jefferson	481	100	5.8	2	200		76		0.99		4	5	--		
427	Jefferson	481	100	5.8	2	300		78		1.01		6	6	--		
428	Jefferson	481	100	5.8	2	300		78		1.01		3	3	--		
429	Jefferson	481	100	5.8	2	300		78		1.01		15	15	--		
430	Jefferson	560	90	3.2	2	400	84.9	80	1.1	1.04	8	8	8	--		
431	Jefferson	560	90	3.2	2	500	88.1	82	1.14	1.06	5	5	5	--		
432	Jefferson	1181	91	1.6	2	1100	89.7	94	1.16	1.22	2	2	2	--		
433	Jim Hogg	1415	100	2	2.4	1100		98.4		1.28		77	60	12		15
434	Jim Wells	2468	113	1.7	1.9	2400		117.6		1.53		8	5	--		
435	Jim Wells	2468	113	1.7	1.9	2400		117.6		1.53		15	10	6		9
436	Johnson	1637	-- --		2	1500		102		1.32			--	--		
437	Johnson	1668	-- --		2	1500		102		1.32			--	--		
438	Johnson	1467	<100 --		2	1300		98		1.27			--	--		
439	Johnson	668	-- --		2	600		84		1.09			--	--		
440	Johnson	1542	-- --		2	1400		100		1.3			--	--		
441	Johnson	--	-- --		2								--	--		
442	Johnson	--	-- --		2								--	--		
443	Johnson	--	-- --		2								--	--		
444	Johnson	--	-- --		2								--	--		
445	Johnson	1556	-- --		2								--	--		
446	Johnson	1527	-- --		2	1500		102		1.32			--	--		
447	Johnson	1266	-- --		2	1000		92		1.19			--	--		
448	Johnson	1666	86	0.8	2	1400	83.8	100	1.09	1.3	38	45	35	--		
449	Johnson	1250	85	1	2	1100	83.4	94	1.08	1.22			--	--		
450	Karnes	1198	<100 --		2.3	1000		95		1.23			--	--		
451	Karnes	4500	143	1.6	2.3	4300	139.8	170.9	1.82	2.22	24	29	13	--		
452	Karnes	1280	-- --		2.3	1000		95		1.23		14	11	7		9
453	Karnes	1280	-- --		2.3	1000		95		1.23		15	12	5		6
454	Karnes	1280	-- --		2.3	1000		95		1.23		10	8	4		5
455	Karnes	1280	-- --		2.3	1100		97.3		1.26		6	5	--		
456	Karnes	1112	-- --		2.3	700		88.1		1.14		5	4	--		
457	Karnes	1112	-- --		2.3	800		90.4		1.17		7	6	5		6
458	Karnes	1112	-- --		2.3	800		90.4		1.17		7	6	5		6
459	Karnes	989	85	1.3	2.3	700	81.2	88.1	1.05	1.14	7	8	7	--		
460	Karnes	989	85	1.3	2.3	800	82.5	90.4	1.07	1.17	8	8	7	5	5	6
461	Karnes	903	-- --		2.3	700		88.1		1.14		9	8	--		
462	Kleberg	791	-- --		1.8	700		84.6		1.1		14	13	--		
463	Kleberg	804	107	4.4	1.8	700	102.5	84.6	1.33	1.1	27	22	20	--		
464	Kleberg	829	75	0.4	1.8	600	74.2	82.8	0.96	1.08			--	--		
465	LaSalle	2337	101	1.2	2	2200	99.3	116	1.29	1.51	103	121	80	--		
466	LaSalle	3015	-- --		2	2900		130		1.69		81	48	40		68
467	LaSalle	2051	108	1.8	2	1900	105.3	110	1.37	1.43	89	93	65	--		
468	LaSalle	725	90	2.5	2	400	81.9	80	1.06	1.04	37	36	35	25	27	26
469	Lavaca	1336	-- --		2.1	900		90.9		1.18		24	20	--		
470	Lavaca	663	-- --		2.1	400		80.4		1.04			--	--		

	County	1 T.D. (feet)	2 Temp. @ T.D. (°F)	3 Geothermal Gradient (°/100 feet)	4 TWDB Geothermal Gradient (°/100 feet)	5 Average Depth of Sample (feet)	6 Temp. @ Av. Depth using 3 (° F)	7 Temp. @ Av. Depth using 4 (° F)	8 Temp. Correction using 6	9 Temp. Correction using 7	10 Corrected Ro_H using 8 (ohm-m)	11 Corrected Ro_H using 9 (ohm-m)	12 Ro_H (ohm-m)	13 Ro_L (ohm-m)	14 Corrected Ro_L using 8 (ohm-m)	15 Corrected Ro_L using 9 (ohm-m)
471	Lavaca	569	<100 --		2.1	400		80.4		1.04			--	--		
472	Lee	931	82	1.1	2.4								--	--		
473	Lee	680	-- --		2.4	600		86.4		1.12		56	50	45		50
474	Lee	2160	100	1.3	2.4	2100	99.2	122.4	1.29	1.59	36	45	28	--		
475	Leon	656	-- --		2.2	600		85.2		1.11			--	--		
476	Leon	1090	-- --		2.2	900		91.8		1.19		76	64	53		63
477	Leon	1090	-- --		2.2	600		85.2		1.11		71	64	53		59
478	Liberty	1430	-- --		2								80	60		
479	Limestone	495	-- --		2.5	400		82		1.06		30	28	--		
480	Limestone	749	104	4.3	2.5	700	101.9	89.5	1.32	1.16	79	70	60	40	53	46
481	Limestone	753	85	1.7	2.5	600	82.4	87	1.07	1.13			--	--		
482	Limestone	3950	-- --		2.5	3900		169.5		2.2			--	--		
483	Madison	1215	<100 --		2.4	1000		96		1.25		181	145	--		
484	Madison	2042	187	5.6	2.4	1600	162.1	110.4	2.11	1.43	84	57	40	--		
485	Marion	797	78	0.8	1.9	800	78	87.2	1.01	1.13	21	24	21	18	18	20
486	Marion	815	100	3.4	1.9	700	96	85.3	1.25	1.11	19	17	15	--		
487	Matagorda	915	90	2	1.6	200	75.9	75.2	0.99	0.98			--	--		
488	Matagorda	915	90	2	1.6	900	89.7	86.4	1.16	1.12			--	--		
489	McCullough	2101	-- --		1.8	500		81		1.05			--	--		
490	McCullough	2102	-- --		1.8								--	--		
491	McCullough	2250	90	0.8	1.8								--	--		
492	McCullough	2460	96	1	1.8								--	--		
493	McCullough	2389	94	0.9	1.8	2000	90.4	108	1.17	1.4			--	--		
494	McCullough	3305	100	0.8	1.8								--	--		
495	McCullough	2728	100	1	1.8	2500		117		1.52			--	--		
496	McLennan	2347	-- --		2	2300		118		1.53			--	--		
497	McLennan	3129	110	1.2	2	3000	108.4	132	1.41	1.71			--	--		
498	McLennan	2405	110	1.6	2	2300	108.3	118	1.41	1.53	70	77	50	--		
499	McLennan	2460	-- --		2	2300		118		1.53			--	--		
500	McLennan	2410	-- --		2	2300		118		1.53			--	--		
501	McLennan	2437	-- --		2	2400		120		1.56			--	--		
502	McLennan	2160	-- --		2	1700		106		1.38			--	--		
503	McLennan	2100	107	1.7	2								--	--		
504	McLennan	2860	103	1.1	2	2600	100.2	124	1.3	1.61	49	61	38	25	33	40
505	McLennan	2329	100	1.2	2	2200		116		1.51			--	--		
506	McLennan	1888	100	1.5	2	1800		108		1.4			--	--		
507	McLennan	1561	108	2.3	2	1400		100		1.3		45	35	22		29
508	McLennan	3035	114	1.4	2	2700	109.4	126	1.42	1.64			--	--		
509	McLennan	2822	110	1.3	2	2700	108.4	126	1.41	1.64	63	74	45	40	56	65
510	McLennan	2824	110	1.3	2	2600	107	124	1.39	1.61	21	24	15	10	14	16
511	McLennan	2851	110	1.3	2								--	--		
512	McLennan	2898	100	1	2	2700		126		1.64			--	--		
513	McLennan	2951	110	1.3	2	2800	108.1	128	1.4	1.66			--	--		
514	McLennan	2493	120	1.9	2	2400	118.2	120	1.54	1.56			--	--		
515	McLennan	3371	140	2	2								--	--		
516	McLennan	1795	-- --		2	1600		104		1.35			--	--		
517	McMullen	1983	105	1.7	2	1900	103.6	110	1.35	1.43	5	6	4	--		

	County	1 T.D. (feet)	2 Temp. @ T.D. (°F)	3 Geothermal Gradient (°/100 feet)	4 TWDB Geothermal Gradient (°/100 feet)	5 Average Depth of Sample (feet)	6 Temp. @ Av. Depth using 3 (° F)	7 Temp. @ Av. Depth using 4 (° F)	8 Temp. Correction using 6	9 Temp. Correction using 7	10 Corrected Ro_H using 8 (ohm-m)	11 Corrected Ro_H using 9 (ohm-m)	12 Ro_H (ohm-m)	13 Ro_L (ohm-m)	14 Corrected Ro_L using 8 (ohm-m)	15 Corrected Ro_L using 9 (ohm-m)
518	McMullen	6017	142	1.2	2	3700	115	146	1.49	1.9	48	61	32	--		
519	McMullen	4715	134	1.3	2	4600	132.5	164	1.72	2.13	46	58	27	25	43	53
520	McMullen	2321	110	1.6	2								42	40		
521	McMullen	4262	146	1.7	2	4200	144.9	156	1.88	2.03	56	61	30	27	51	55
522	McMullen	4964	143	1.4	2	3800	126.4	148	1.64	1.92	57	67	35	--		
523	McMullen	4255	136	1.5	2	4100	133.7	154	1.74	2	56	64	32	--		
524	Medina	2551	113	1.6	2	2300		118		1.53			--	--		
525	Milam	758	--	--	2	200		76		0.99		109	110	70		69
526	Milam	471	<100	--	2	300		78		1.01		106	105	--		
527	Milam	1207	105	2.7	2	900	96.6	90	1.25	1.17			--	--		
528	Milam	3448	130	1.7	2	1500	97.2	102	1.26	1.32	20	21	16	--		
529	Milam	3448	--	--	2	3300		138		1.79		39	22	20		36
530	Milam	2100	100	1.3	2	1800		108		1.4		18	13	11		15
531	Milam	2100	100	1.3	2	1800		108		1.4		31	22	--		
532	Milam	800	--	--	2								70	50		
533	Milam	410	90	4.4	2	300	85.2	78	1.11	1.01	37	33	33	30	33	30
534	Milam	532	--	--	2	300		78		1.01		30	30	25		25
535	Milam	826	--	--	2	200		76		0.99		143	145	45		44
536	Montgomery	1315	93	1.6	2.1	900	86.4	90	1.12	1.17	90	94	80	30	34	35
537	Montgomery	1317	85	1	2.1	800	79.9	88	1.04	1.14	47	51	45	25	26	29
538	Montgomery	923	100	3	2.1	900	99.3	90	1.29	1.17	39	35	30	--		
539	Montgomery	--	--	--	2.1	700		86		1.12			--	--		
540	Morris	486	100	5.8	1.8	400		79.2		1.03		46	45	--		
541	Morris	624	<100	--	1.8	100		73.8		0.96			--	--		
542	Morris	624	100	4.5	1.8	500		81		1.05			--	--		
543	Nacogdoches	451	--	--	2	400		80		1.04		31	30	20		21
544	Nacogdoches	990	--	--	2	800		88		1.14		31	27	16		18
545	Nacogdoches	760	--	--	2	600		84		1.09		80	73	--		
546	Nacogdoches	1600	100	1.8	2	500		82		1.06			--	--		
547	Nacogdoches	1600	100	1.8	2	1500		102		1.32			--	--		
548	Navarro	1602	<100	--	2.4	1500		108		1.4		46	33	--		
549	Navarro	1300	--	--	2.4	1200		100.8		1.31		24	18	--		
550	Newton	1013	--	--	1.6	900		86.4		1.12		168	150	100		112
551	Nueces	749	<100	--	1.8	700		84.6		1.1		14	13	--		
552	Nueces	749	<100	--	1.8	700		84.6		1.1		11	10	--		
553	Panola	500	--	--	2.2	200		76.4		0.99		74	75	--		
554	Panola	643	76	0.6	2.2	500		83		1.08		5	5	--		
555	Panola	643	76	0.6	2.2	500		83		1.08		5	5	--		
556	Polk	1000	--	--	2.2	800		89.6		1.16			--	--		
557	Rains	1215	100	2.3	2.3	1100		97.3		1.26			--	--		
558	Rains	300	<100	--	2.3	100		74.3		0.96		29	30	--		
559	Red River	370	100	7.6	2.2	200		76.4		0.99			--	--		
560	Red River	351	<100	--	2.2	300		78.6		1.02			--	--		
561	Red River	659	100	4.2	2.2	600		85.2		1.11		24	22	9		10
562	Red River	659	100	4.2	2.2	600		85.2		1.11		24	22	9		10
563	Red River	722	--	--	2.2	200		76.4		0.99		6	6	4		4
564	Red River	538	--	--	2.2	500		83		1.08		18	17	--		

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565	Red River	550	100	5.1	2.2	500		83		1.08			--	--		
566	Reeves	--	-- --		0.6	300		73.8		0.96			--	--		
567	Reeves	--	-- --		0.6	300		73.8		0.96			--	--		
568	Reeves	--	-- --		0.6	300		73.8		0.96			--	--		
569	Robertson	1482	100	1.9	2	1300		98		1.27			--	--		
570	Robertson	1434	100	2	2	1300		98		1.27		191	150	110		140
571	Robertson	1534	-- --		2	1500		102		1.32		41	31	21		28
572	Robertson	650	-- --		2	600		84		1.09		85	78	65		71
573	Robertson	933	100	3	2	700		86		1.12		47	42	--		
574	Rusk	1141	<100 --		2.1	700		86.7		1.13		36	32	28		32
575	Rusk	1135	108	3.2	2.1	1000	103.7	93	1.35	1.21	9	8	7	--		
576	Rusk	1134	<100 --		2.1	1100		95.1		1.24		8	7	--		
577	Rusk	1134	<100 --		2.1	1100		95.1		1.24			--	--		
578	Rusk	656	100	4.3	2.1	500		82.5		1.07		43	40	33		35
579	Rusk	789	<100 --		2.1	500		82.5		1.07			--	--		
580	Rusk	936	100	3	2.1	600		84.6		1.1			--	--		
581	Rusk	714	100	3.9	2.1	600		84.6		1.1		82	75	55		60
582	Rusk	803	<100 --		2.1	700		86.7		1.13		34	30	--		
583	Rusk	762	-- --		2.1	600		84.6		1.1			--	--		
584	Rusk	719	-- --		2.1	600		84.6		1.1			--	--		
585	Rusk	743	-- --		2.1	500		82.5		1.07			--	--		
586	Rusk	985	-- --		2.1	800		88.8		1.15		17	15	--		
587	Rusk	985	-- --		2.1	900		90.9		1.18			--	--		
588	Rusk	985	-- --		2.1	900		90.9		1.18		21	18	15		18
589	Rusk	985	-- --		2.1	900		90.9		1.18		14	12	--		
590	Rusk	1100	108	3.3	2.1	900	101.5	90.9	1.32	1.18	16	14	12	10	13	12
591	Rusk	738	100	3.8	2.1	600		84.6		1.1		38	35	--		
592	Rusk	653	-- --		2.1	500		82.5		1.07			--	--		
593	Rusk	540	<100 --		2.1								--	--		
594	Sabine	472	93	4.4	2								--	--		
595	Sabine	1200	-- --		2	800		88		1.14			--	--		
596	Sabine	355	-- --		2	300		78		1.01			--	--		
597	San Jacinto	1550	100	1.8	2.2	600		85.2		1.11			--	--		
598	San Jacinto	--	-- --		2.2	300		78.6		1.02			--	--		
599	San Jacinto	705	100	4	2.2	300		78.6		1.02			--	--		
600	San Jacinto	705	100	4	2.2	400		80.8		1.05			--	--		
601	San Jacinto	1005	100	2.8	2.2								--	--		
602	San Jacinto	703	100	4	2.2	100		74.2		0.96			--	--		
603	San Jacinto	705	100	4	2.2	100		74.2		0.96			--	--		
604	San Jacinto	704	100	4	2.2	500		83		1.08			--	--		
605	San Jacinto	501	87	3	2.2								22	17		
606	San Jacinto	531	87	2.8	2.2	200	77.6	76.4	1.01	0.99			--	--		
607	San Patricio	1054	-- --		1.8	300		77.4		1.01		10	10	--		
608	San Patricio	1054	-- --		1.8	400		79.2		1.03		10	10	--		
609	San Patricio	1054	-- --		1.8	500		81		1.05		9	9	--		
610	San Patricio	1054	-- --		1.8	700		84.6		1.1		11	10	--		
611	San Patricio	736	-- --		1.8	500		81		1.05		21	20	18		19

	County	1 T.D. (feet)	2 Temp. @ T.D. (°F)	3 Geothermal Gradient (°/100 feet)	4 TWDB Geothermal Gradient (°/100 feet)	5 Average Depth of Sample (feet)	6 Temp. @ Av. Depth using 3 (° F)	7 Temp. @ Av. Depth using 4 (° F)	8 Temp. Correction using 6	9 Temp. Correction using 7	10 Corrected Ro_H using 8 (ohm-m)	11 Corrected Ro_H using 9 (ohm-m)	12 Ro_H (ohm-m)	13 Ro_L (ohm-m)	14 Corrected Ro_L using 8 (ohm-m)	15 Corrected Ro_L using 9 (ohm-m)
612	Shelby	1072	--		2	800		88		1.14			--	--		
613	Shelby	1072	--		2	1000		92		1.19			--	--		
614	Shelby	1072	--		2	1000		92		1.19			--	--		
615	Shelby	1456	97	1.7	2	900		90		1.17		23	20	--		
616	Shelby	--	--		2	400		80		1.04			--	--		
617	Shelby	525	--		2	400		80		1.04			--	--		
618	Shelby	615	--		2	300		78		1.01		61	60	45		46
619	Shelby	757	100	3.7	2								--	--		
620	Shelby	704	75	0.4	2								22	18		
621	Smith	1025	<100 --		1.9	900		89.1		1.16		29	25	--		
622	Smith	1025	<100 --		1.9	1300		96.7		1.26		31	25	--		
623	Smith	955	90	1.9	1.9	700	85.2	85.3	1.11	1.11	243	244	220	120	133	133
624	Smith	817	84	1.5	1.9	700	82.3	85.3	1.07	1.11	385	399	360	160	171	177
625	Smith	1049	<100 --		1.9	600		83.4		1.08		125	115	80		87
626	Smith	1006	100	2.8	1.9	500		81.5		1.06			--	--		
627	Smith	950	<100 --		1.9	600		83.4		1.08			--	--		
628	Smith	1010	>100 --		1.9	900		89.1		1.16		58	50	--		
629	Smith	792	--		1.9	700		85.3		1.11			--	--		
630	Smith	1013	42	-3	1.9	600	54.2	83.4	0.7	1.08			--	--		
631	Smith	1071	100	2.6	1.9	900		89.1		1.16		243	210	64		74
632	Smith	1071	100	2.6	1.9	900		89.1		1.16		243	210	64		74
633	Smith	1013	46	-2.6	1.9								--	--		
634	Smith	1191	56	-1.3	1.9	900	59.9	89.1	0.78	1.16	70	104	90	--		
635	Smith	1064	<100 --		1.9	400		79.6		1.03			--	--		
636	Smith	800	<100 --		1.9	800		87.2		1.13			--	--		
637	Smith	--	--		1.9								--	--		
638	Smith	1094	--		1.9	1000		91		1.18		30	25	19		22
639	Smith	1132	--		1.9	1000		91		1.18		24	20	17		20
640	Smith	942	77	0.5	1.9	900	76.8	89.1	1	1.16			--	--		
641	Smith	993	<100 --		1.9	600		83.4		1.08			--	--		
642	Smith	814	100	3.4	1.9	800		87.2		1.13		272	240	180		204
643	Smith	1000	100	2.8	1.9	900		89.1		1.16		278	240	--		
644	Smith	1074	86	1.3	1.9	1000	85	91	1.1	1.18	221	236	200	--		
645	Smith	866	100	3.2	1.9	800		87.2		1.13		113	100	75		85
646	Smith	1049	<100 --		1.9	800		87.2		1.13		51	45	42		48
647	Smith	1170	95	2	1.9	1100	93.6	92.9	1.22	1.21	36	36	30	--		
648	Smith	1068	<100 --		1.9	900		89.1		1.16		43	37	--		
649	Smith	990	<100 --		1.9	800		87.2		1.13		204	180	--		
650	Smith	1237	<100 --		1.9	1100		92.9		1.21		241	200	--		
651	Smith	831	<100 --		1.9	800		87.2		1.13		283	250	--		
652	Smith	831	<100 --		1.9	800		87.2		1.13			--	--		
653	Somervell	552	75	0.5	2	400	74.2	80	0.96	1.04	53	57	55	--		
654	Somervell	510	84	2.4	2	400	81.4	80	1.06	1.04	82	81	78	65	69	68
655	Somervell	493	--		2	400		80		1.04			--	--		
656	Sterling	211	--		1.1	200		74.2		0.96			--	--		
657	Tarrant	781	--		1.4	600		80.4		1.04			--	--		
658	Tarrant	--	--		1.4	700		81.8		1.06			--	--		

	County	1 T.D. (feet)	2 Temp. @ T.D. (°F)	3 Geothermal Gradient (°/100 feet)	4 TWDB Geothermal Gradient (°/100 feet)	5 Average Depth of Sample (feet)	6 Temp. @ Av. Depth using 3 (° F)	7 Temp. @ Av. Depth using 4 (° F)	8 Temp. Correction using 6	9 Temp. Correction using 7	10 Corrected Ro_H using 8 (ohm-m)	11 Corrected Ro_H using 9 (ohm-m)	12 Ro_H (ohm-m)	13 Ro_L (ohm-m)	14 Corrected Ro_L using 8 (ohm-m)	15 Corrected Ro_L using 9 (ohm-m)
659	Tarrant	--	-- --		1.4	800		83.2		1.08			--	--		
660	Tarrant	384	-- --		1.4	300		76.2		0.99			--	--		
661	Tarrant	783	-- --		1.4	700		81.8		1.06		53	50	15		16
662	Tarrant	1322	93	1.6	1.4	1200	91.1	88.8	1.18	1.15	46	45	39	25	30	29
663	Tarrant	1347	85	1	1.4	1200	83.6	88.8	1.09	1.15	49	52	45	30	33	35
664	Tarrant	1130	95	2	1.4	1000	92.4	86	1.2	1.12	44	41	37	--		
665	Tarrant	574	90	3.1	1.4	500	87.7	79	1.14	1.03	39	35	34	--		
666	Tarrant	1190	-- --		1.4	1100		87.4		1.14		40	35	25		28
667	Tarrant	1500	85	0.9	1.4	1400	84.1	91.6	1.09	1.19			--	--		
668	Tarrant	1603	100	1.7	1.4	1500		93		1.21			--	--		
669	Tarrant	841	-- --		1.4	800		83.2		1.08			--	--		
670	Tarrant	1358	-- --		1.4	1300		90.2		1.17		18	15	--		
671	Tarrant	704	87	2.1	1.4	700	86.9	81.8	1.13	1.06			--	--		
672	Tarrant	1475	90	1.2	1.4								30	--		
673	Tarrant	1004	75	0.3	1.4	1000	75	86	0.97	1.12			--	--		
674	Tarrant	1623	89	1	1.4	1500	87.7	93	1.14	1.21			--	--		
675	Tarrant	960	90	1.9	1.4	600	83.3	80.4	1.08	1.04			--	--		
676	Tarrant	1650	95	1.4	1.4	1600	94.3	94.4	1.22	1.23	34	34	28	--		
677	Tarrant	1650	95	1.4	1.4	1600	94.3	94.4	1.22	1.23	34	34	28	--		
678	Tarrant	1610	92	1.2	1.4	1500	90.6	93	1.18	1.21	35	36	30	25	29	30
679	Tarrant	1610	92	1.2	1.4								--	--		
680	Tarrant	1091	94	2	1.4								--	--		
681	Tarrant	1350	80	0.6	1.4	1200	79.1	88.8	1.03	1.15			--	--		
682	Tarrant	1346	-- --		1.4	1200		88.8		1.15			--	--		
683	Tarrant	1352	-- --		1.4	1300		90.2		1.17			--	--		
684	Tarrant	1397	85	0.9	1.4	500	76.7	79	1	1.03	26	27	26	--		
685	Tarrant	1397	85	0.9	1.4								--	--		
686	Tarrant	1335	93	1.6	1.4	1200	90.9	88.8	1.18	1.15			--	--		
687	Tarrant	1457	92	1.4	1.4	1300	89.8	90.2	1.17	1.17	58	59	50	--		
688	Tarrant	1625	85	0.8	1.4	1500	84	93	1.09	1.21			--	--		
689	Titus	1492	<100 --		1.8	100		73.8		0.96		67	70	--		
690	Travis	3258	120	1.5	2	400	77.9	80	1.01	1.04	3	3	3	--		
691	Travis	3258	120	1.5	2	2900	114.7	130	1.49	1.69	55	62	37	27	40	46
692	Tyler	658	100	4.3	2.1	100		74.1		0.96		19	20	--		
693	Tyler	658	100	4.3	2.1	100		74.1		0.96			--	--		
694	Upshur	521	-- --		1.8	400		79.2		1.03		62	60	40		41
695	Upshur	540	-- --		1.8	300		77.4		1.01			--	--		
696	Upshur	590	<100 --		1.8	300		77.4		1.01		113	112	75		75
697	Upshur	1319	<100 --		1.8	200		75.6		0.98			--	--		
698	Upshur	1319	<100 --		1.8	400		79.2		1.03			--	--		
699	Upshur	1319	<100 --		1.8	500		81		1.05			--	--		
700	Upshur	1319	<100 --		1.8	1300		95.4		1.24			--	--		
701	Upshur	569	-- --		1.8	500		81		1.05		84	80	--		
702	Upshur	519	100	5.4	1.8	400		79.2		1.03		64	62	--		
703	Upshur	713	<100 --		1.8	300		77.4		1.01		55	55	--		
704	Upshur	650	-- --		1.8	500		81		1.05		29	28	--		
705	Upshur	612	<100 --		1.8	600		82.8		1.08			--	--		

	County	1 T.D. (feet)	2 Temp. @ T.D. (°F)	3 Geothermal Gradient (°/100 feet)	4 TWDB Geothermal Gradient (°/100 feet)	5 Average Depth of Sample (feet)	6 Temp. @ Av. Depth using 3 (° F)	7 Temp. @ Av. Depth using 4 (° F)	8 Temp. Correction using 6	9 Temp. Correction using 7	10 Corrected Ro_H using 8 (ohm-m)	11 Corrected Ro_H using 9 (ohm-m)	12 Ro_H (ohm-m)	13 Ro_L (ohm-m)	14 Corrected Ro_L using 8 (ohm-m)	15 Corrected Ro_L using 9 (ohm-m)
706	Upshur	601	-- --		1.8								--	--		
707	Val Verde	381	92	5.2	1.8	200	82.5	75.6	1.07	0.98			--	--		
708	Van Zandt	543	<100 --		2.2	400		80.8		1.05		40	38	--		
709	Van Zandt	543	<100 --		2.2	500		83		1.08		194	180	100		108
710	Van Zandt	516	<100 --		2.2	400		80.8		1.05		84	80	--		
711	Van Zandt	782	-- --		2.2	400		80.8		1.05		42	40	20		21
712	Van Zandt	332	-- --		2.2	300		78.6		1.02		71	70	--		
713	Van Zandt	520	85	2.5	2.2	400	82	80.8	1.06	1.05	117	115	110	--		
714	Van Zandt	300	-- --		2.2	200		76.4		0.99		37	37	--		
715	Van Zandt	890	-- --		2.2	400		80.8		1.05		73	70	--		
716	Walker	1270	100	2.2	2	1000		92		1.19			--	--		
717	Walker	1261	90	1.4	2	900	84.8	90	1.1	1.17			--	--		
718	Walker	1412	-- --		2	900		90		1.17			--	--		
719	Walker	708	100	4	2								--	--		
720	Walker	1210	88	1.3	2	500	78.6	82	1.02	1.06	3	3	3	--		
721	Walker	1441	95	1.6	2	1400	94.3	100	1.23	1.3	40	43	33	23	28	30
722	Walker	1101	100	2.5	2								45	--		
723	Walker	770	-- --		2								--	--		
724	Ward	393	-- --		0.5	400		74		0.96			--	--		
725	Ward	516	-- --		0.5	400		74		0.96			--	--		
726	Ward	516	-- --		0.5	200		73		0.95			--	--		
727	Ward	516	-- --		0.5	400		74		0.96			--	--		
728	Ward	405	83	2.7	0.5	300	80.1	73.5	1.04	0.95			--	--		
729	Ward	1007	81	0.9	0.5	300	74.7	73.5	0.97	0.95			--	--		
730	Ward	426	-- --		0.5	300		73.5		0.95			--	--		
731	Ward	436	71	-0.2	0.5	300	71.3	73.5	0.93	0.95			--	--		
732	Washington	811	-- --		2.1	200		76.2		0.99		124	125	45		45
733	Webb	1300	100	2.2	2								15	--		
734	Webb	2176	100	1.3	2	1900		110		1.43		30	21	--		
735	Willacy	965	90	1.9	1.6	800	86.9	84.8	1.13	1.1			--	--		
736	Willacy	1657	-- --		1.6	1600		97.6		1.27			--	--		
737	Willacy	1657	-- --		1.6	100		73.6		0.96			--	--		
738	Wilson	3165	116	1.4	2	3000	113.7	132	1.48	1.71	41	48	28	25	37	43
739	Wilson	3135	134	2	2	3100	133.3	134	1.73	1.74	55	56	32	23	40	40
740	Wilson	1020	84	1.2	2	900	82.6	90	1.07	1.17	80	88	75	60	64	70
741	Wilson	908	-- --		2	900		90		1.17		58	50	43		50
742	Wilson	1018	-- --		2	900		90		1.17		175	150	75		88
743	Wilson	2010	-- --		2	1900		110		1.43		64	45	35		50
744	Wilson	2512	-- --		2	700		86		1.12			--	--		
745	Wilson	3807	130	1.5	2								--	--		
746	Winkler	777	70	-0.3	0.6	300	71.2	73.8	0.93	0.96			--	--		
747	Winkler	777	70	-0.3	0.6	300	71.2	73.8	0.93	0.96			--	--		
748	Wise	620	82	1.6	1.4	400	78.5	77.6	1.02	1.01	51	50	50	--		
749	Wise	390	-- --		1.4	300		76.2		0.99		54	55	--		
750	Wood	428	-- --		2.1								--	--		
751	Wood	1216	82	0.8	2.1	800	78.6	88.8	1.02	1.15	66	75	65	--		
752	Wood	782	100	3.6	2.1	600		84.6		1.1		82	75	--		

	County	1 T.D. (feet)	2 Temp. @ T.D. (°F)	3 Geothermal Gradient (°/100 feet)	4 TWDB Geothermal Gradient (°/100 feet)	5 Average Depth of Sample (feet)	6 Temp. @ Av. Depth using 3 (° F)	7 Temp. @ Av. Depth using 4 (° F)	8 Temp. Correction using 6	9 Temp. Correction using 7	10 Corrected Ro_H using 8 (ohm-m)	11 Corrected Ro_H using 9 (ohm-m)	12 Ro_H (ohm-m)	13 Ro_L (ohm-m)	14 Corrected Ro_L using 8 (ohm-m)	15 Corrected Ro_L using 9 (ohm-m)
753	Wood	755	100	3.7	2.1	700		86.7		1.13		59	52	--		
754	Wood	755	100	3.7	2.1	700		86.7		1.13		59	52	--		
755	Wood	385	-- --		2.1	300		78.3		1.02		356	350	125		127
756	Wood	506	-- --		2.1	400		80.4		1.04			--	--		
757	Wood	489	100	5.7	2.1	400		80.4		1.04		376	360	--		
758	Wood	809	<100 --		2.1	700		86.7		1.13			--	--		
759	Wood	505	-- --		2.1	500		82.5		1.07		182	170	150		161
760	Wood	602	<100 --		2.1	400		80.4		1.04		25	24	--		
761	Wood	450	100	6.2	2.1	300		78.3		1.02			--	--		
762	Wood	450	100	6.2	2.1	300		78.3		1.02		163	160	--		
763	Wood	599	100	4.7	2.1	300		78.3		1.02			--	--		
764	Wood	892	-- --		2.1	800		88.8		1.15		27	23	20		23
765	Wood	449	115	9.6	2.1	300	100.7	78.3	1.31	1.02	222	173	170	--		
766	Wood	1001	100	2.8	2.1	600		84.6		1.1		32	29	--		
767	Wood	392	85	3.3	2.1	200	78.6	76.2	1.02	0.99	56	54	55	--		
768	Wood	391	85	3.3	2.1	400	85.3	80.4	1.11	1.04			--	--		
769	Wood	697	-- --		2.1	700		86.7		1.13		34	30	25		28
770	Wood	311	<100 --		2.1	200		76.2		0.99		51	52	--		
771	Zavala	1060	105	3.1	2	900	100	90	1.3	1.17	195	175	150	80	104	94

TDS-Cw GRAPHS

Section 4

Forty-five TDS-Cw graphs from twelve aquifers were plotted. The data are from the Texas Water Development Board Ground-Water Data Base, December 1991. The data were processed according to the guidelines outlined in the **PROCEDURES APPLIED TO THE TEXAS WATER DEVELOPMENT BOARD TDS-Cw GRAPHS** section in Chapter 4, Volume I. Table 4-1 of Volume I is a tabulation of the TDS-Cw relationships and correlation coefficients for each of the graphs.

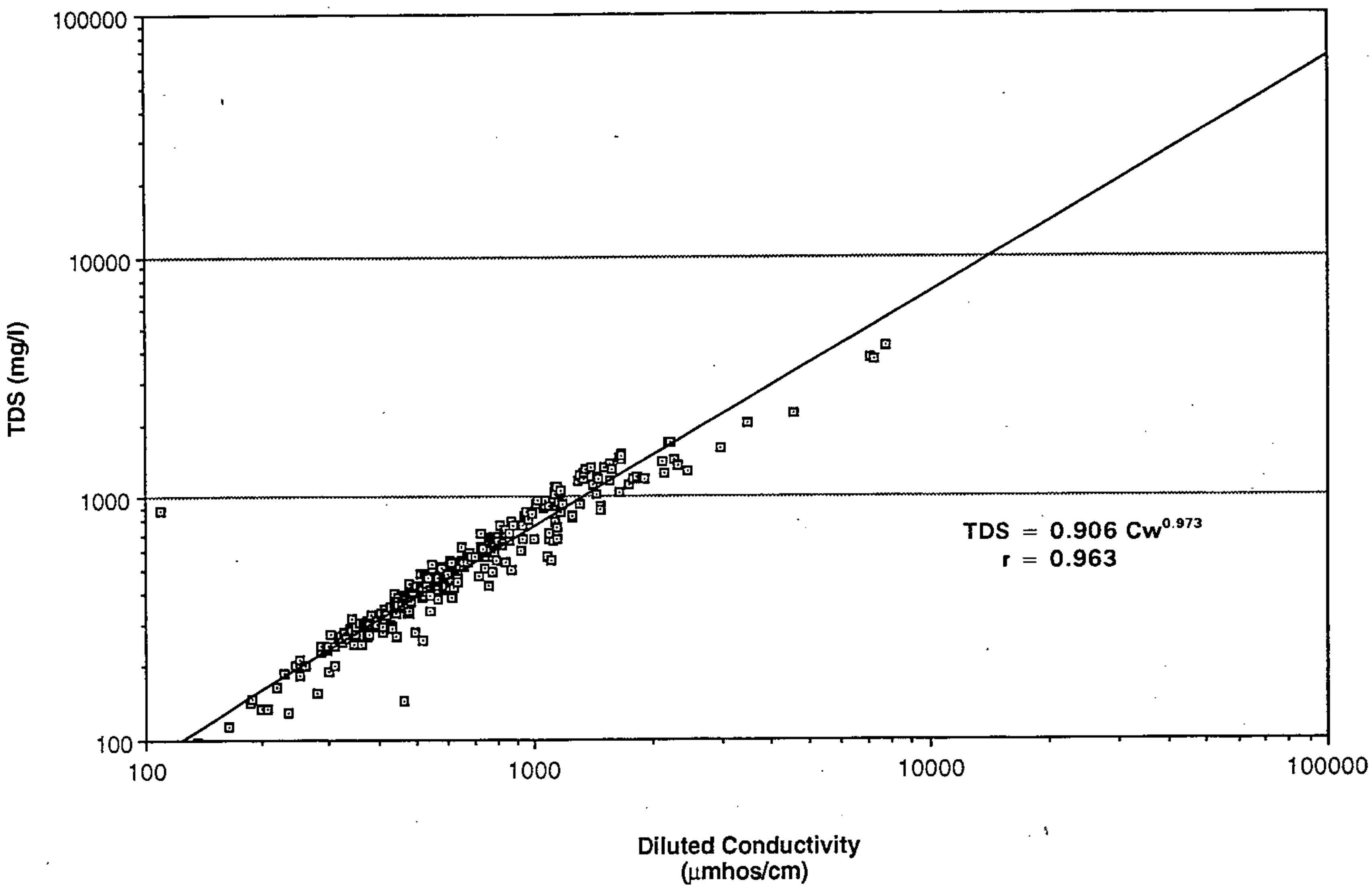

Figure 4-1. TDS-Cw graph of the Eastern Part of the Carrizo-Wilcox Aquifer. Cw is diluted conductivity.

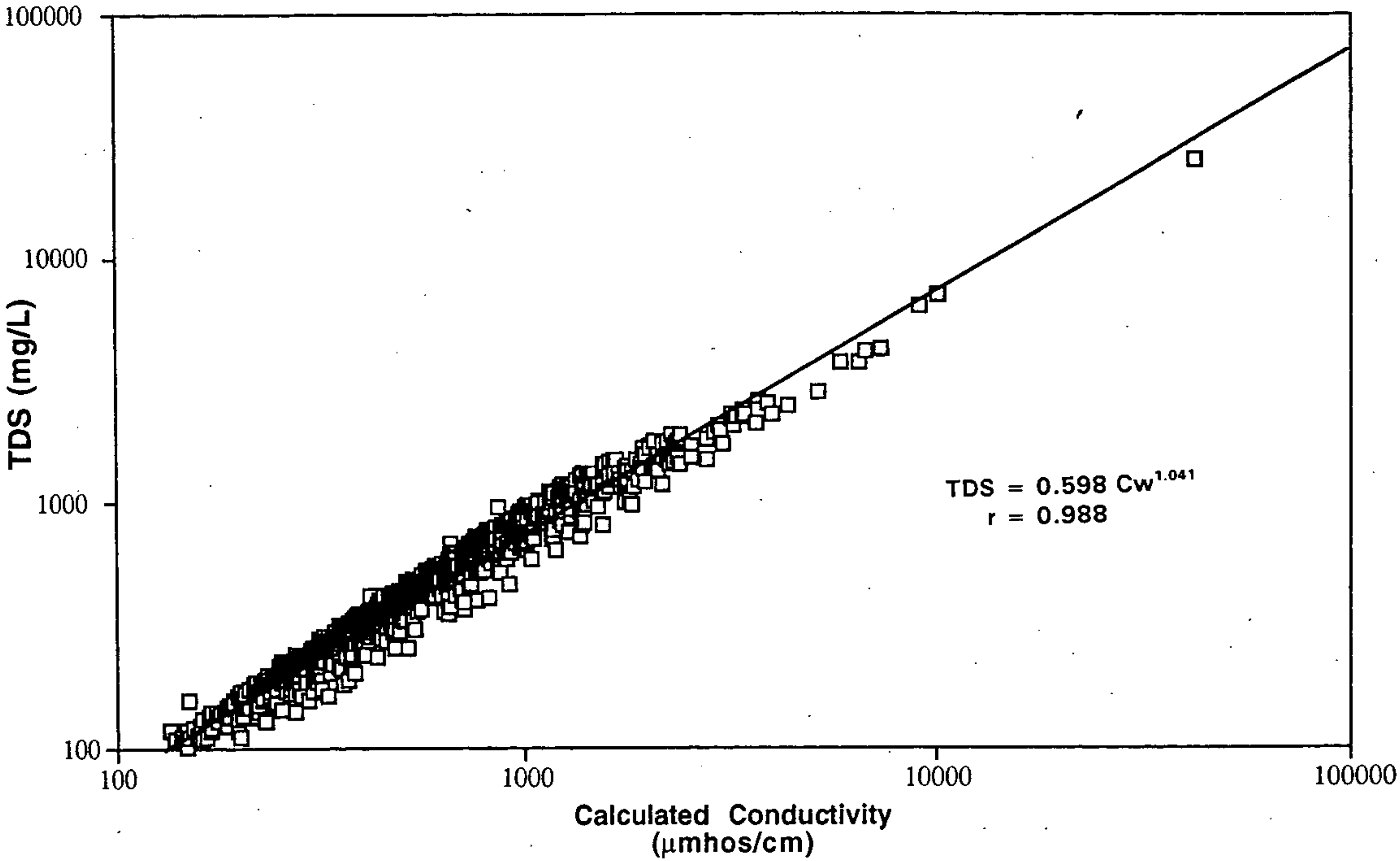

Figure 4-2. TDS-Cw graph of the Eastern Part of the Carrizo-Wilcox aquifer. Cw is calculated conductivity.

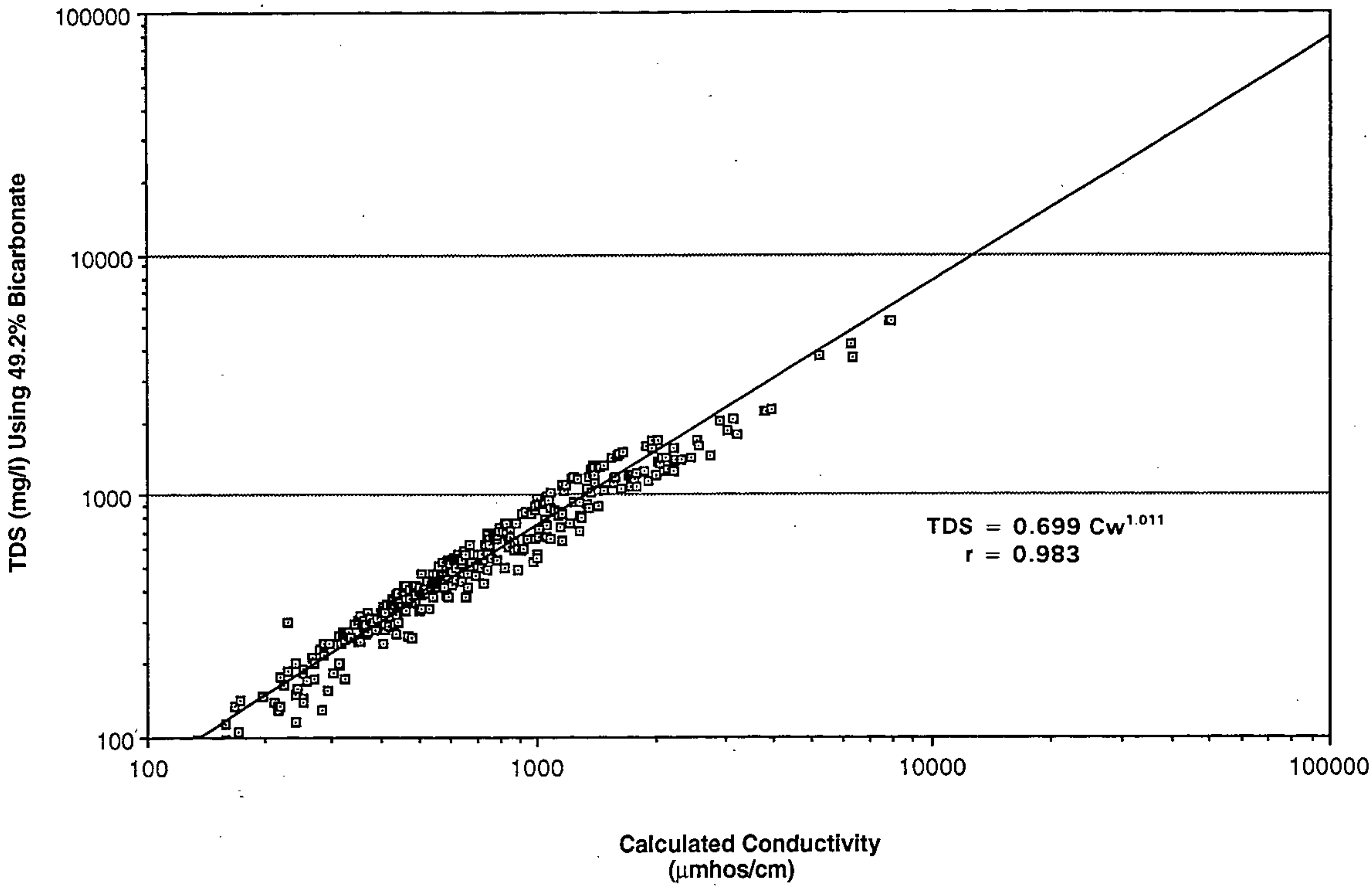

Figure 4-3. TDS-Cw graph of the Eastern Part of the Carrizo-Wilcox Aquifer. Cw is calculated conductivity and TDS includes only 49.2% of the bicarbonate value.

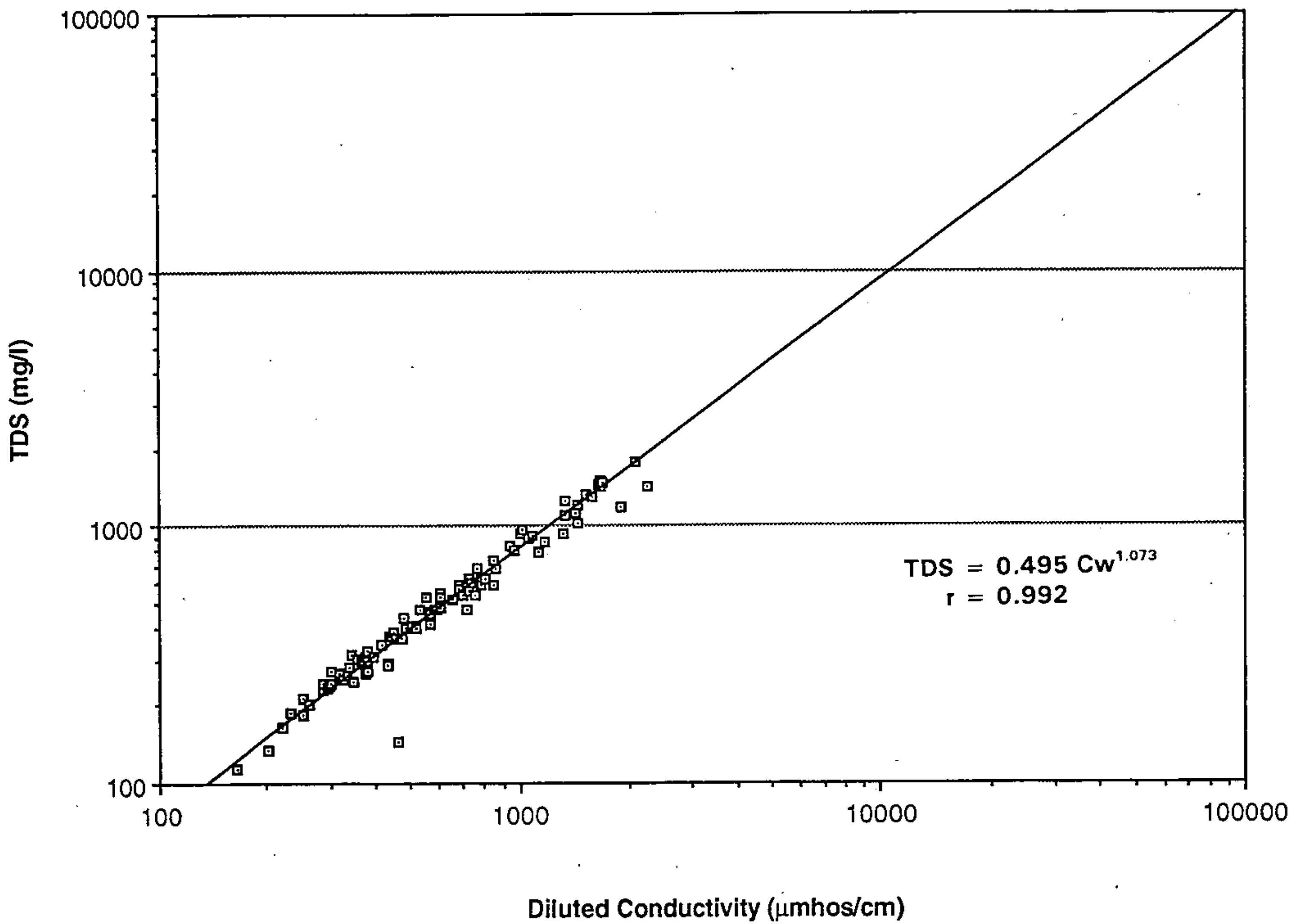

Figure 4-4. TDS-Cw graph of the Central Carrizo-Wilcox Aquifer. Cw is diluted conductivity.

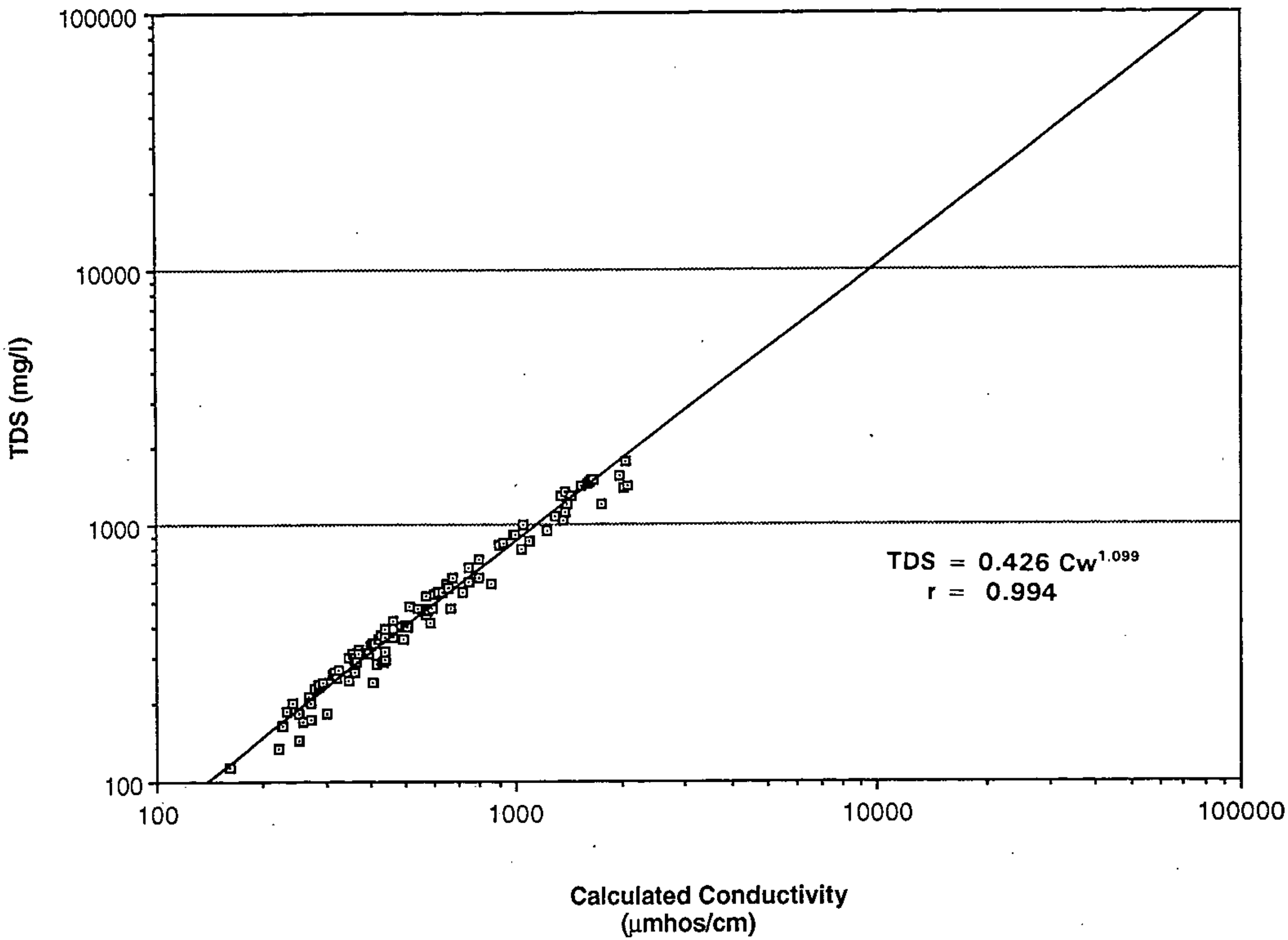

Figure 4-5. TDS-Cw graph of the Central Carrizo-Wilcox Aquifer. Cw is calculated conductivity.

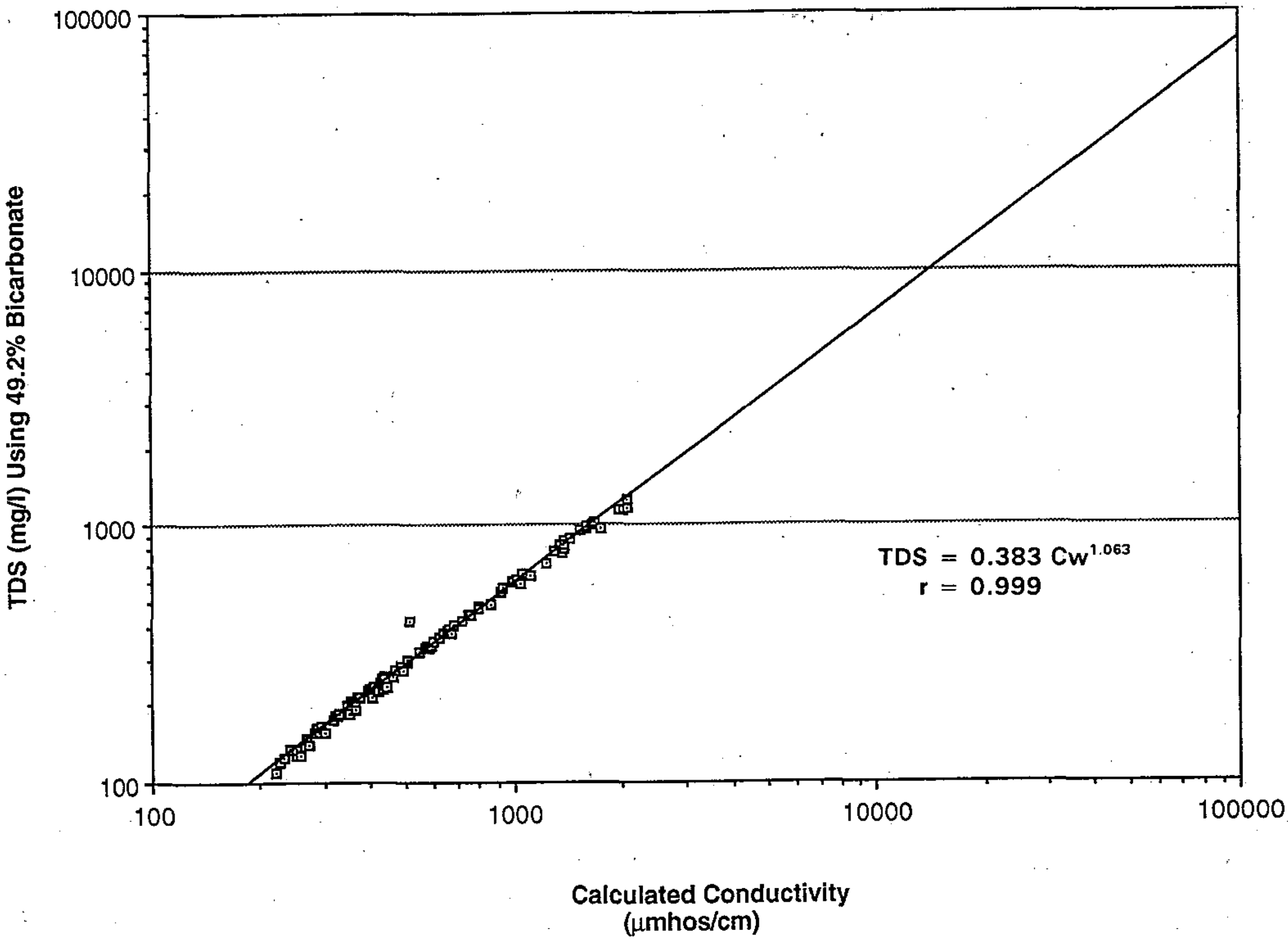

Figure 4-6. TDS-Cw graph of the Central Carrizo-Wilcox Aquifer. Cw is calculated conductivity and TDS includes only 49.2% of the bicarbonate value.

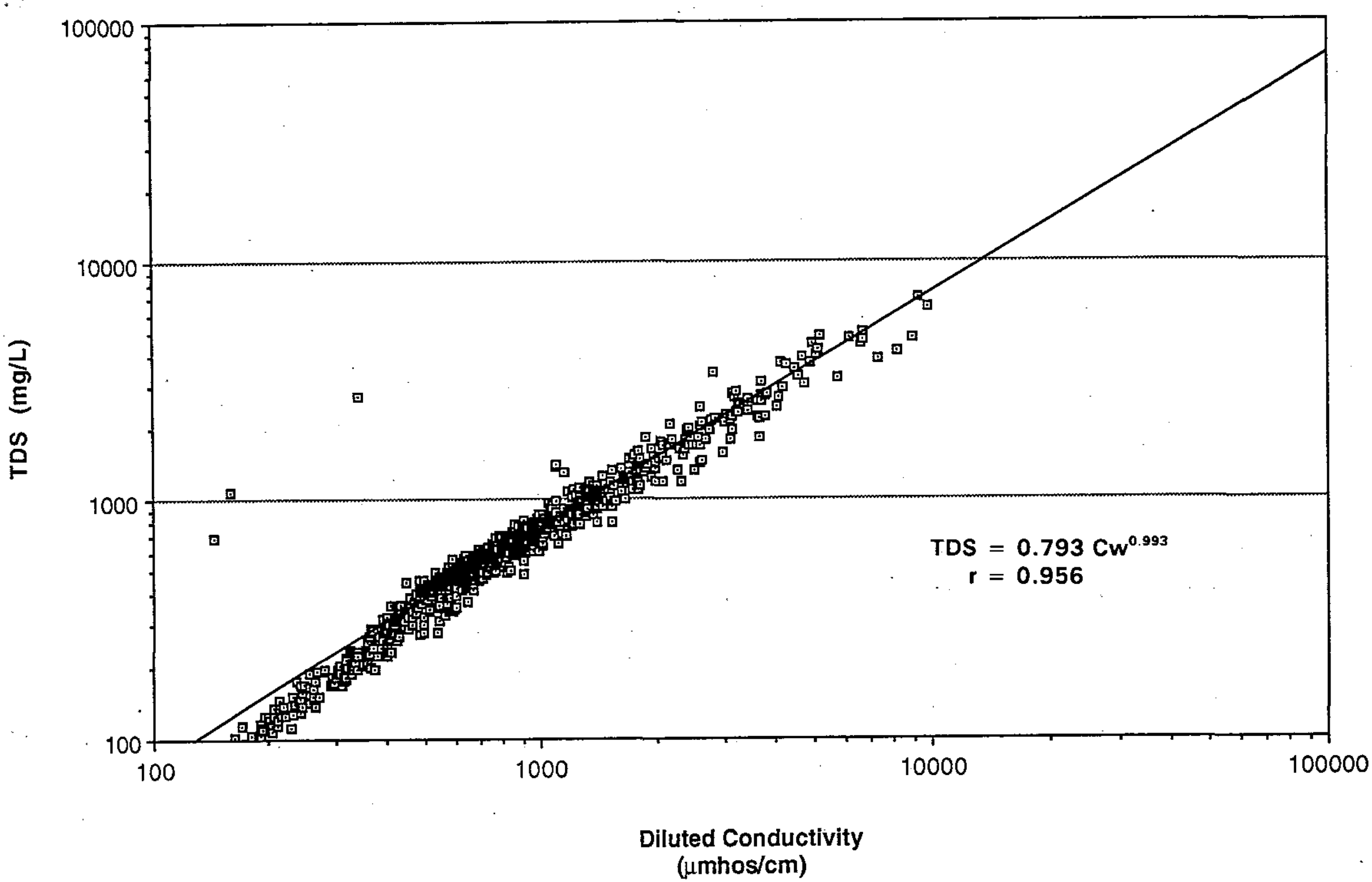

Figure 4-7. TDS-Cw graph of the Western Carrizo-Wilcox Aquifer. Cw is diluted conductivity.

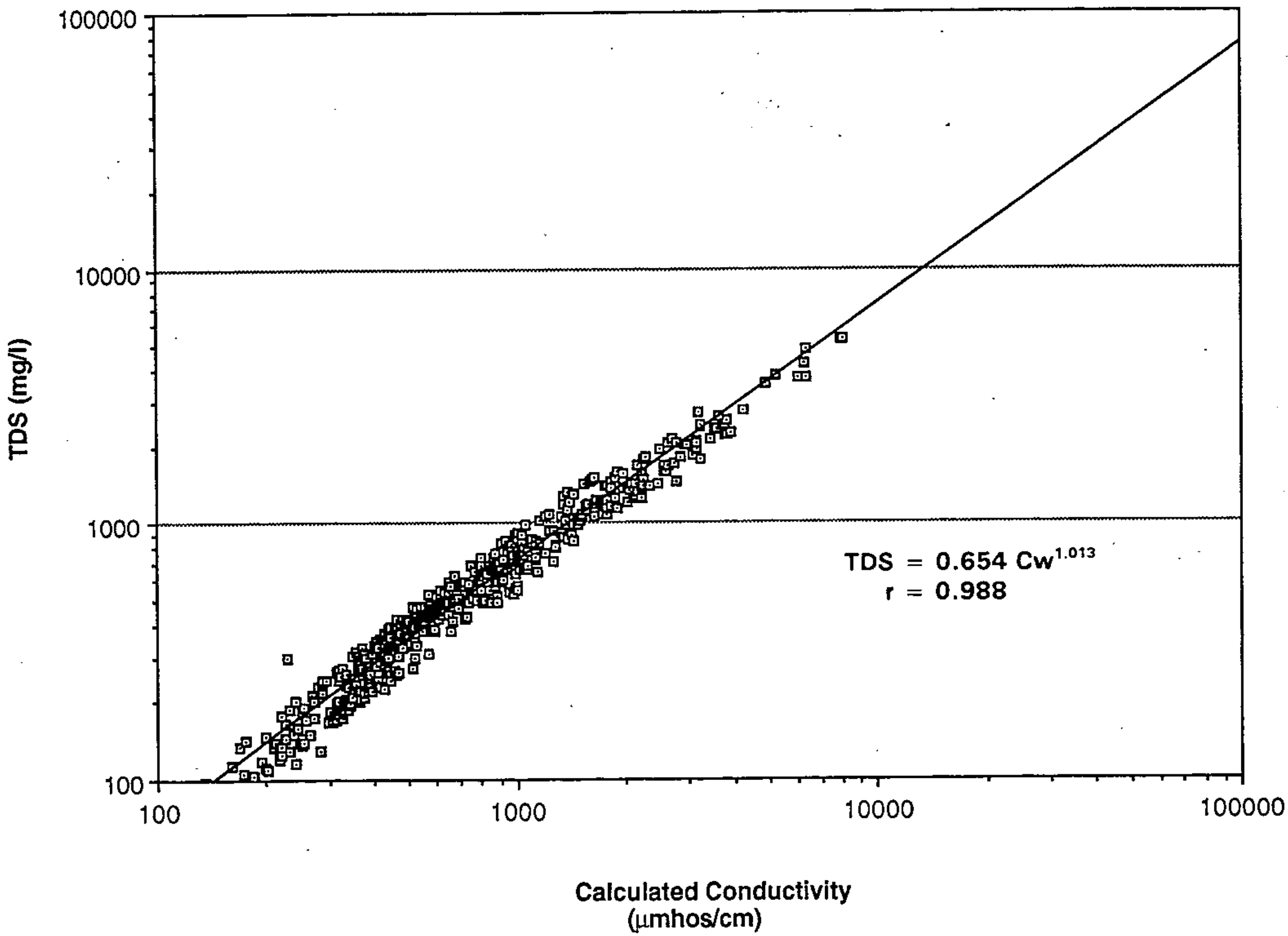

Figure 4-8. TDS-Cw graph of the Western Carrizo-Wilcox Aquifer. Cw is calculated conductivity.

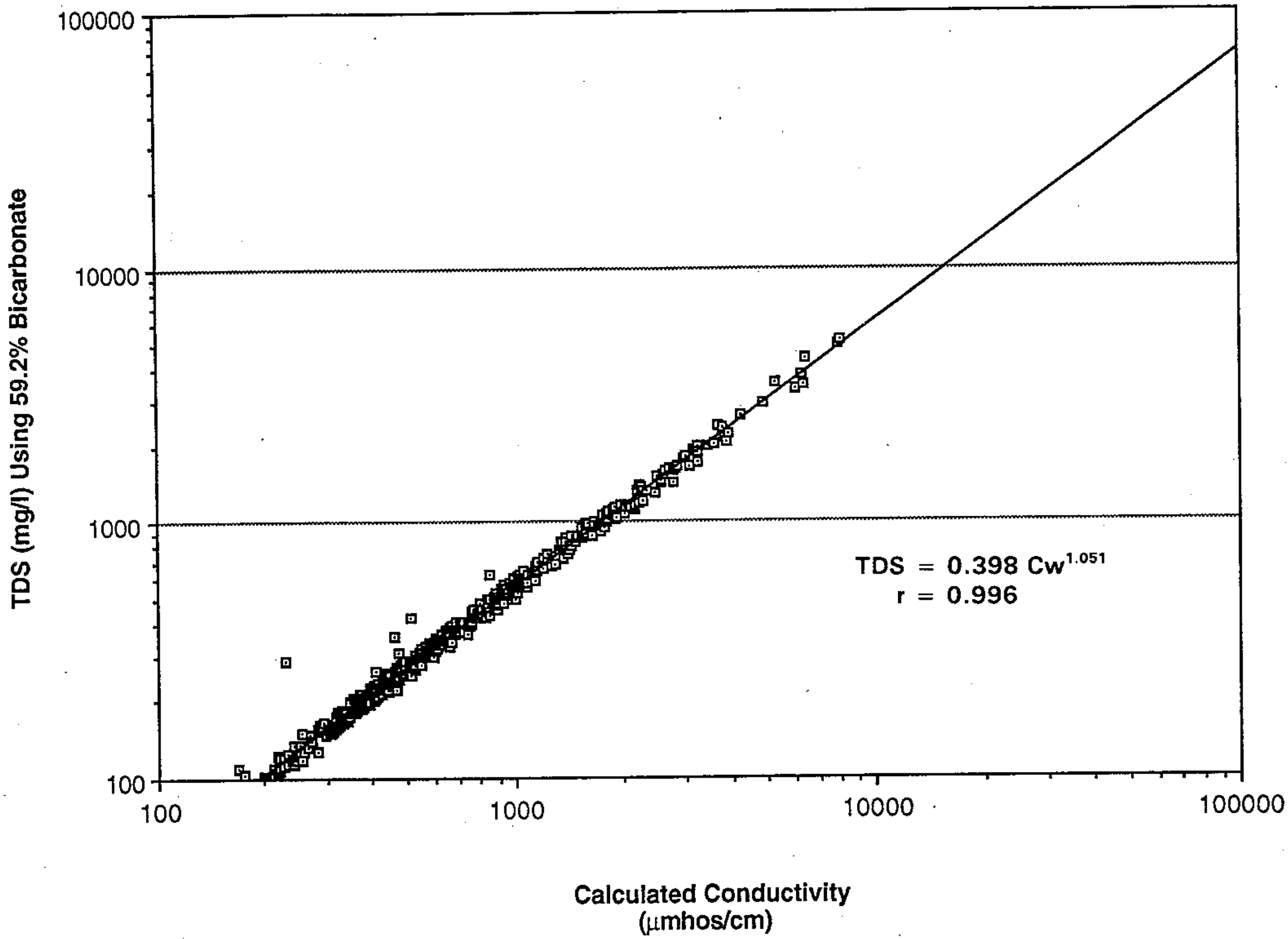

Figure 4-9. TDS-Cw graph of the Western Carrizo-Wilcox Aquifer. Cw is calculated conductivity and TDS includes only 49.2% of the bicarbonate value.

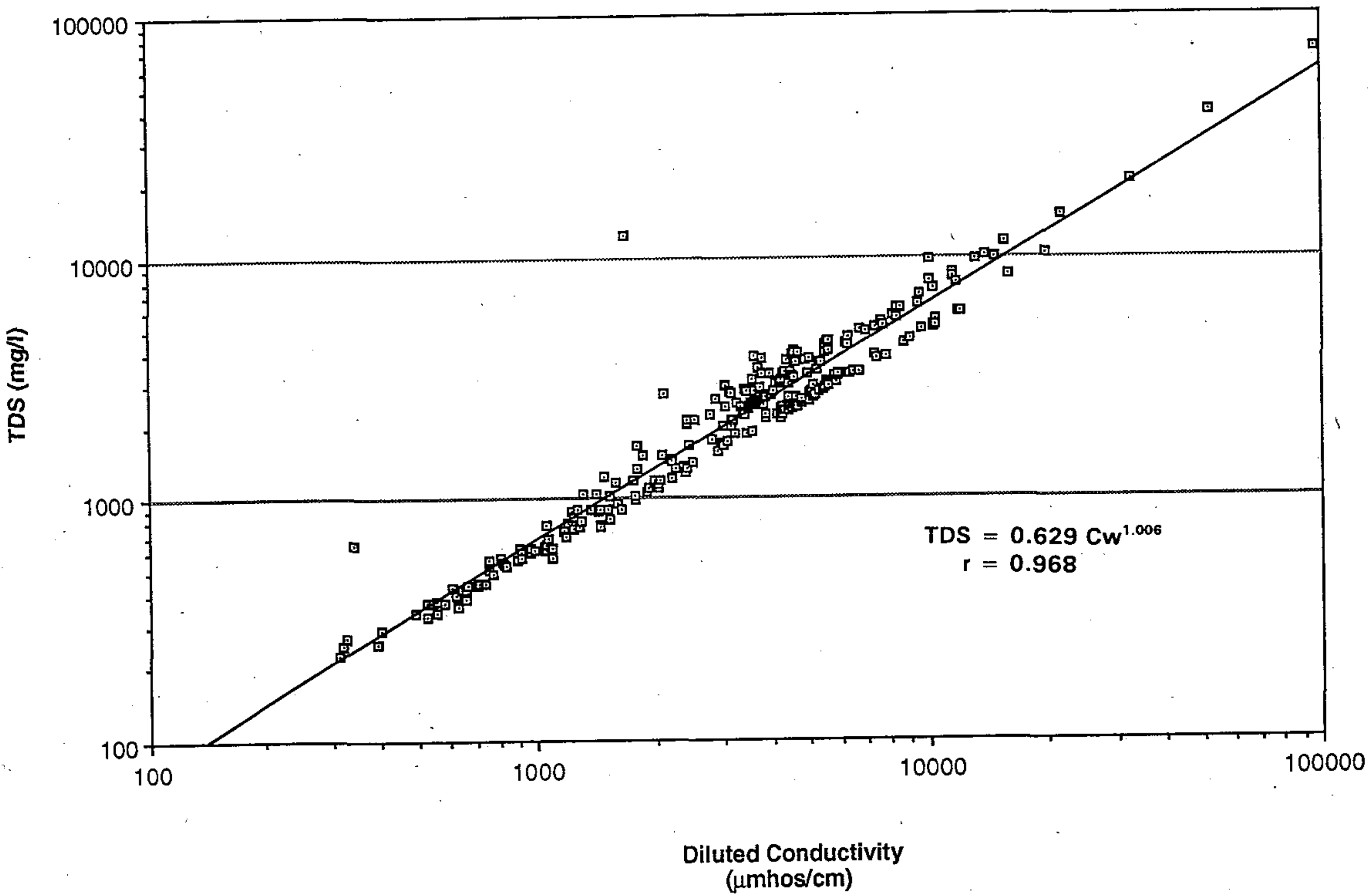

Figure 4-10. TDS-Cw graph of the Cenozoic Pecos Alluvium Aquifer. Cw is diluted conductivity.

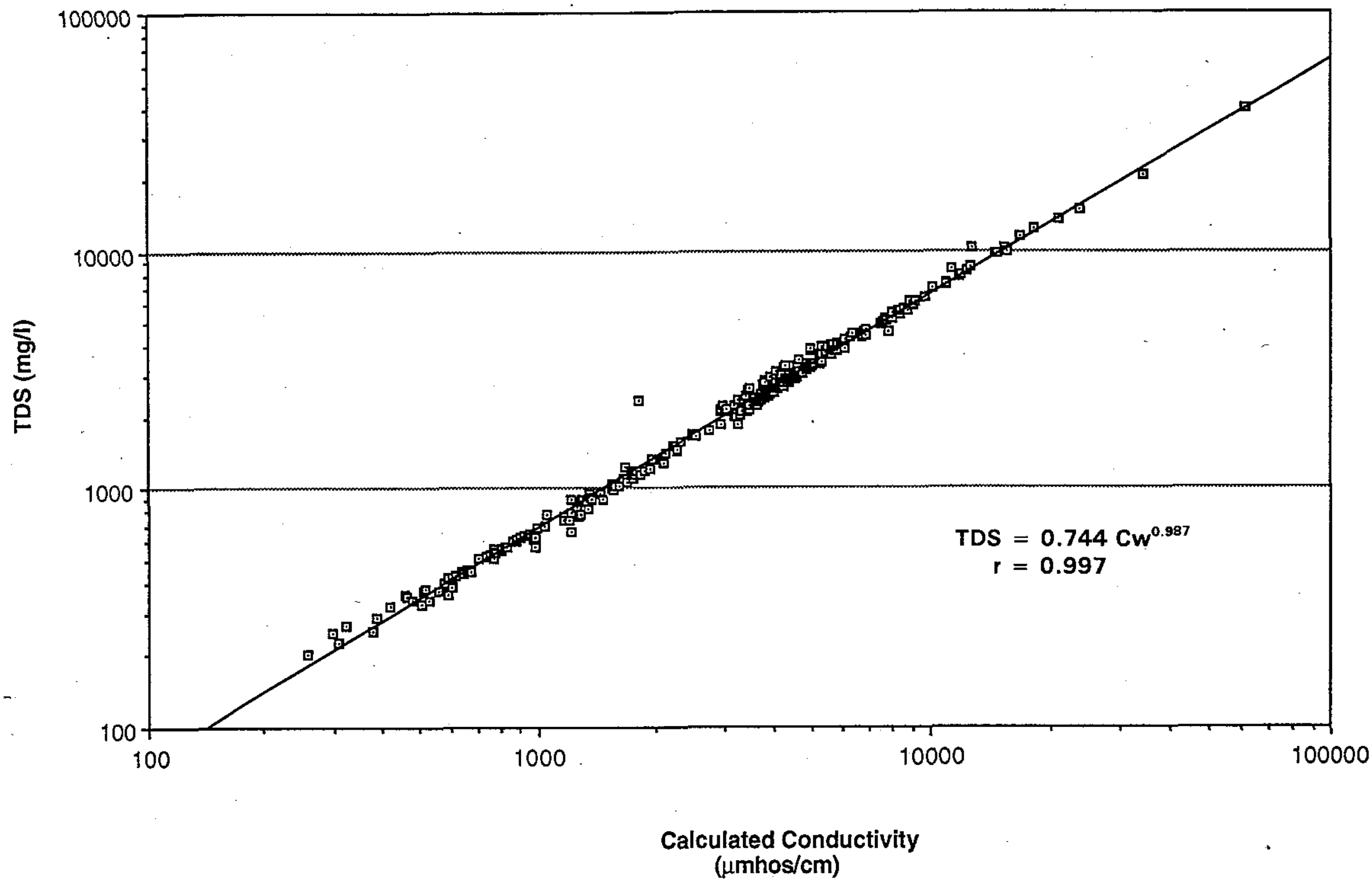

Figure 4-11. TDS-Cw graph of the Cenozoic Pecos Alluvium Aquifer. Cw is calculated conductivity.

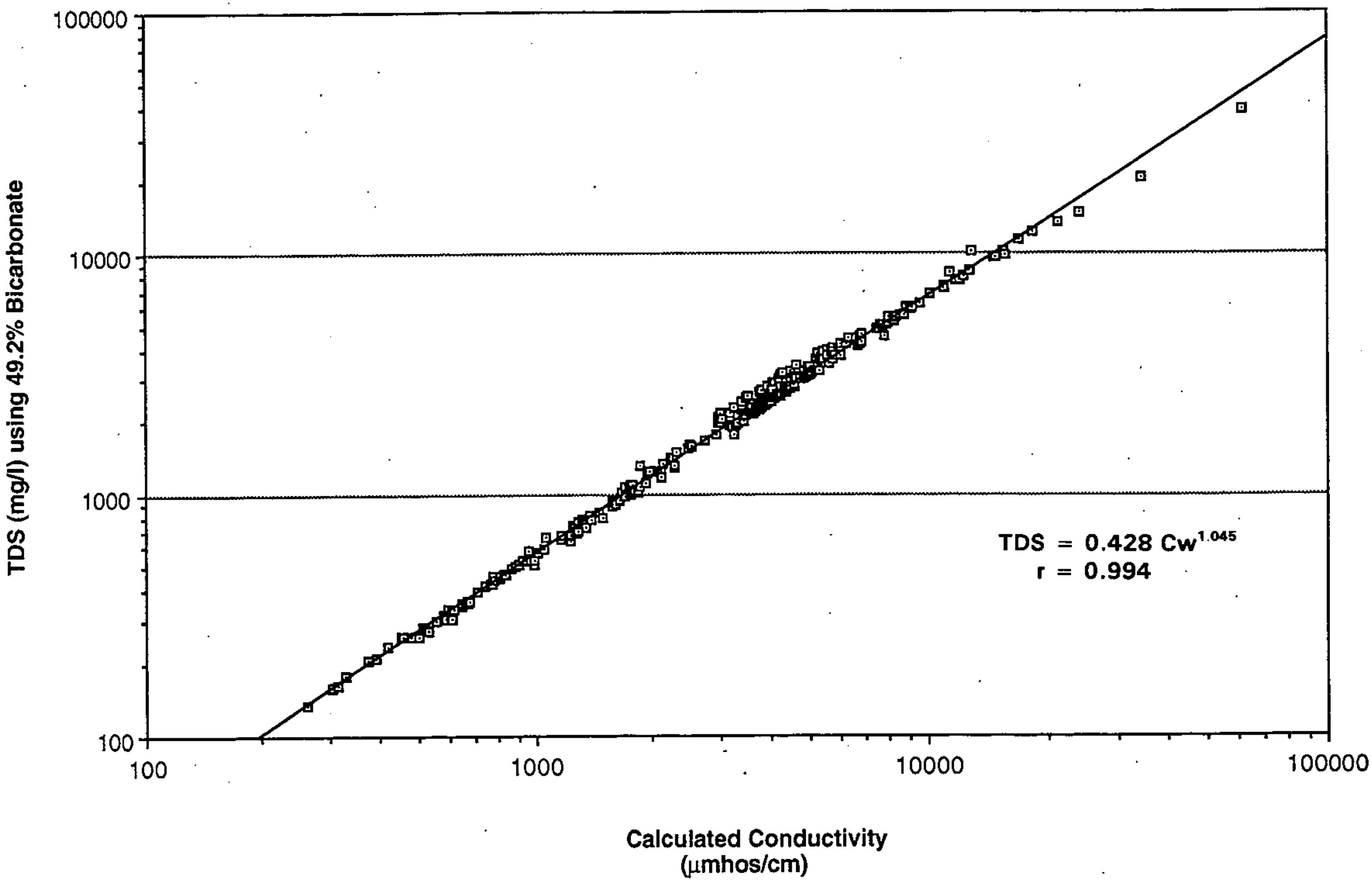

Figure 4-12. TDS-Cw graph of the Cenozoic Pecos Alluvium aquifer. Cw is calculated conductivity and TDS includes only 49.2% of the bicarbonate value.

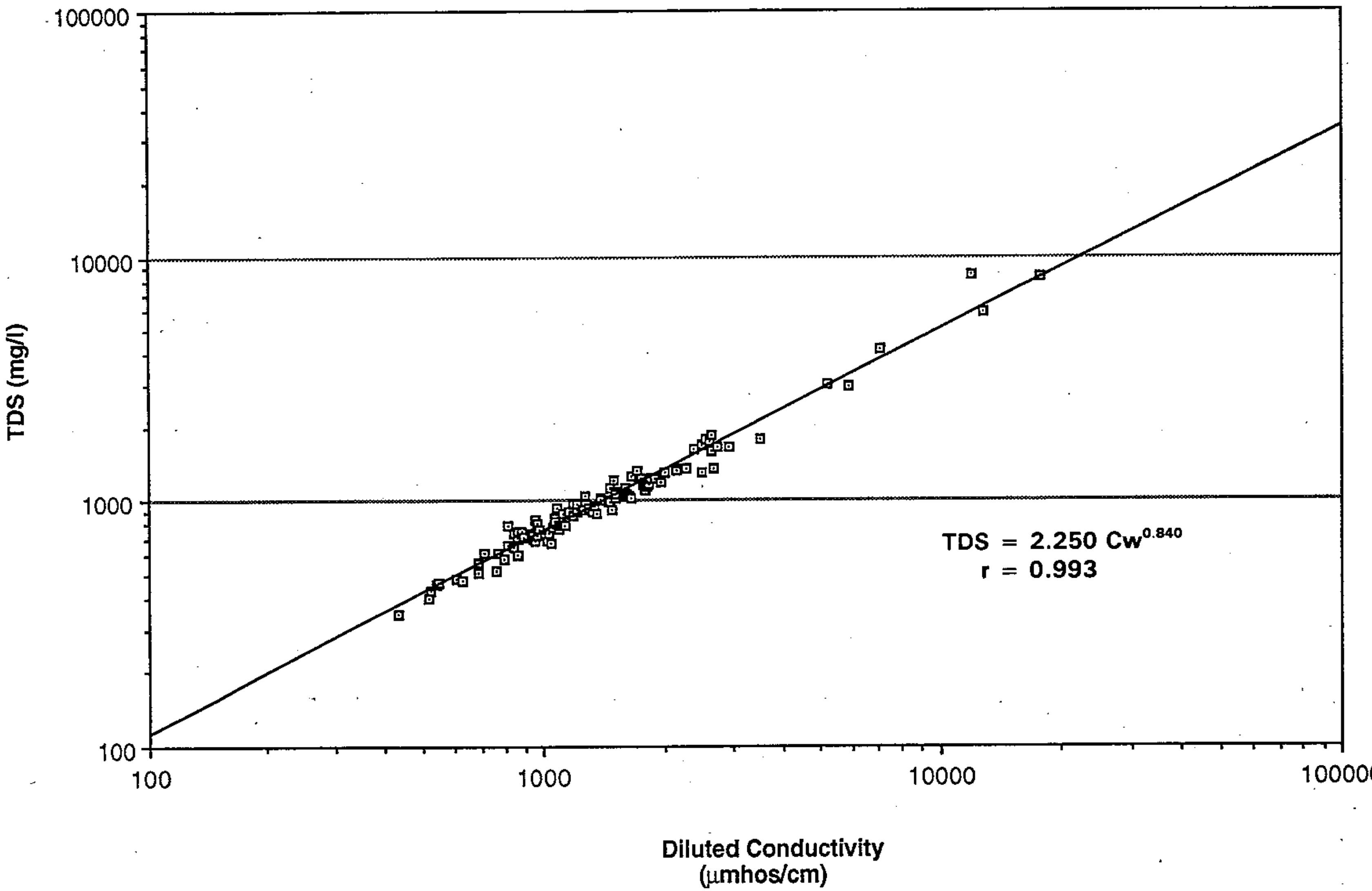

Figure 4-13. TDS-Cw graph of the Northern Portion of the Chicot Aquifer. Cw is diluted conductivity.

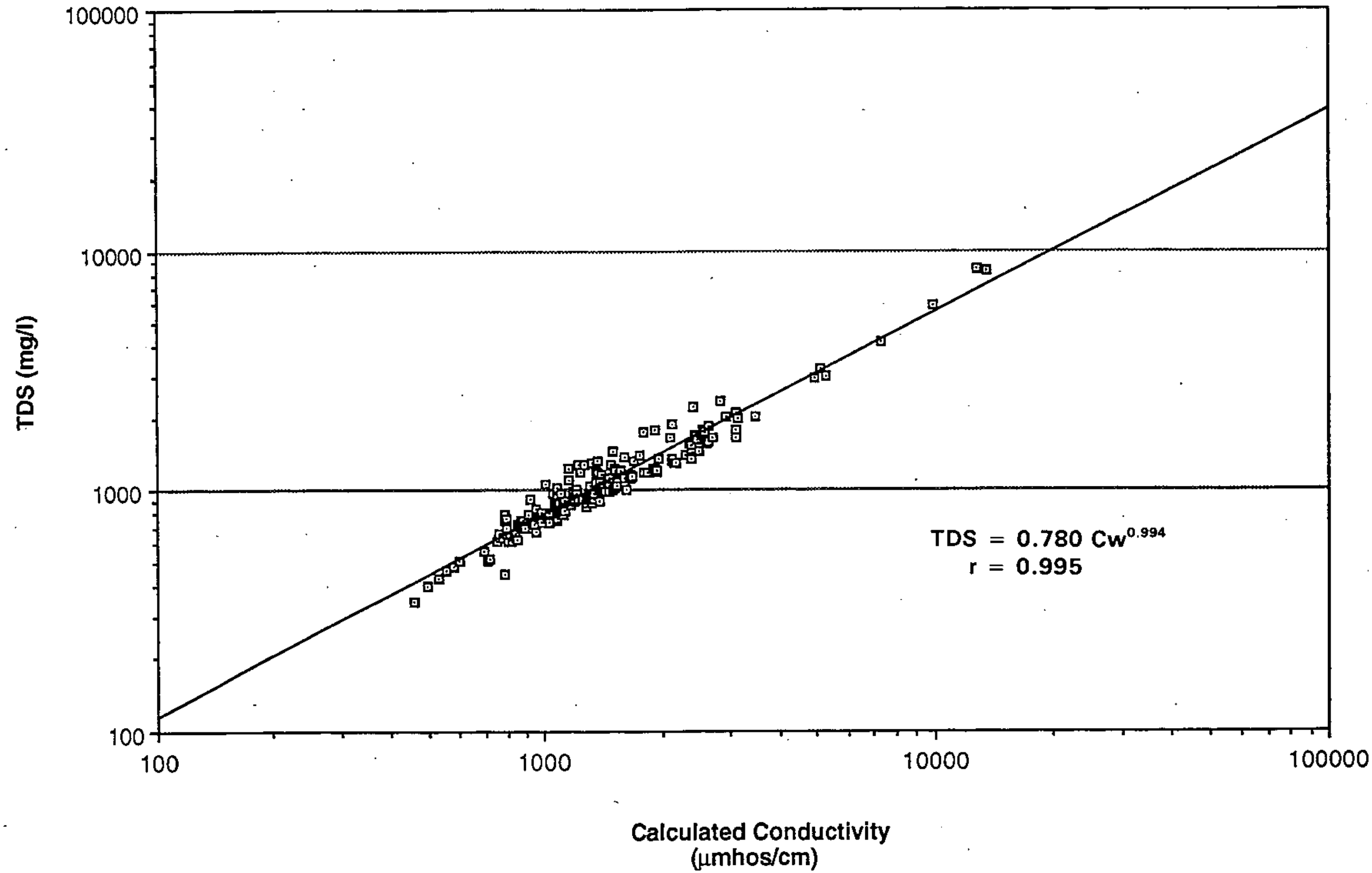

Figure 4-14. TDS-Cw graph of the Northern Portion of the Chicot Aquifer. Cw is calculated conductivity.

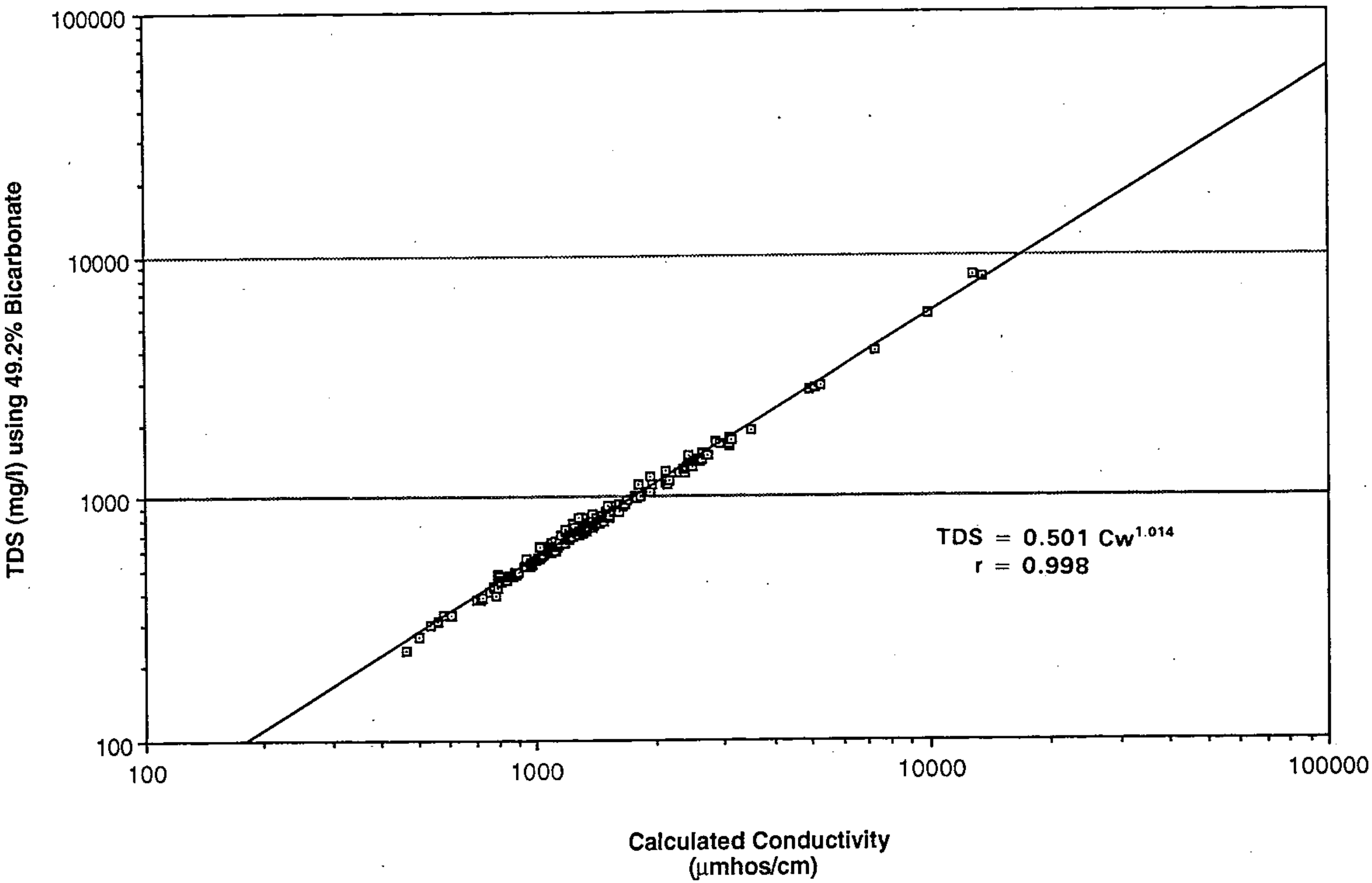

Figure 4-15. TDS-Cw graph of the Northern Portion of the Chicot Aquifer. Cw is calculated conductivity and TDS includes only 49.2% of the bicarbonate value.

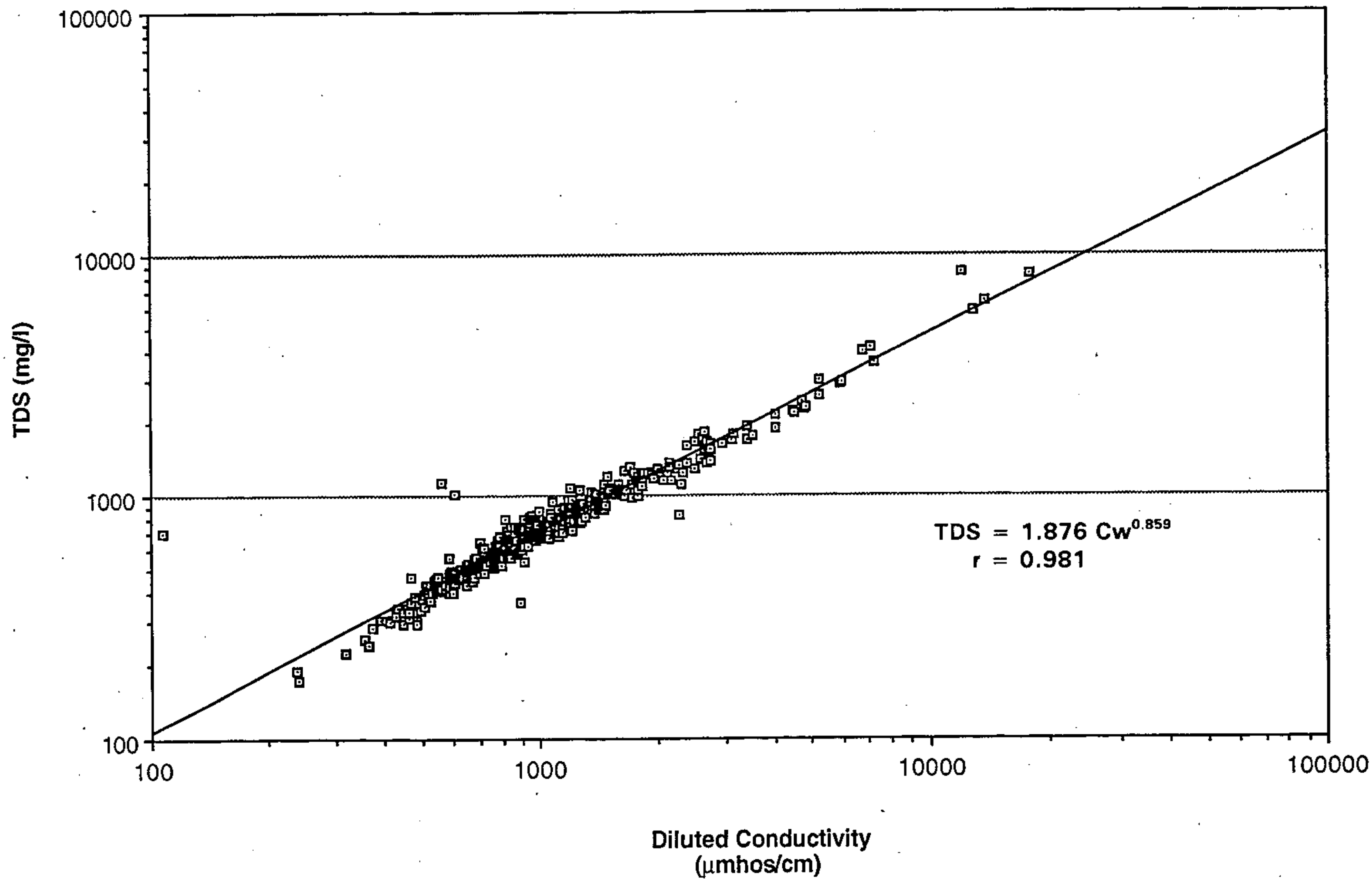

Figure 4-16. TDS-Cw graph of the Central Portion of the Chicot Aquifer. Cw is diluted conductivity.

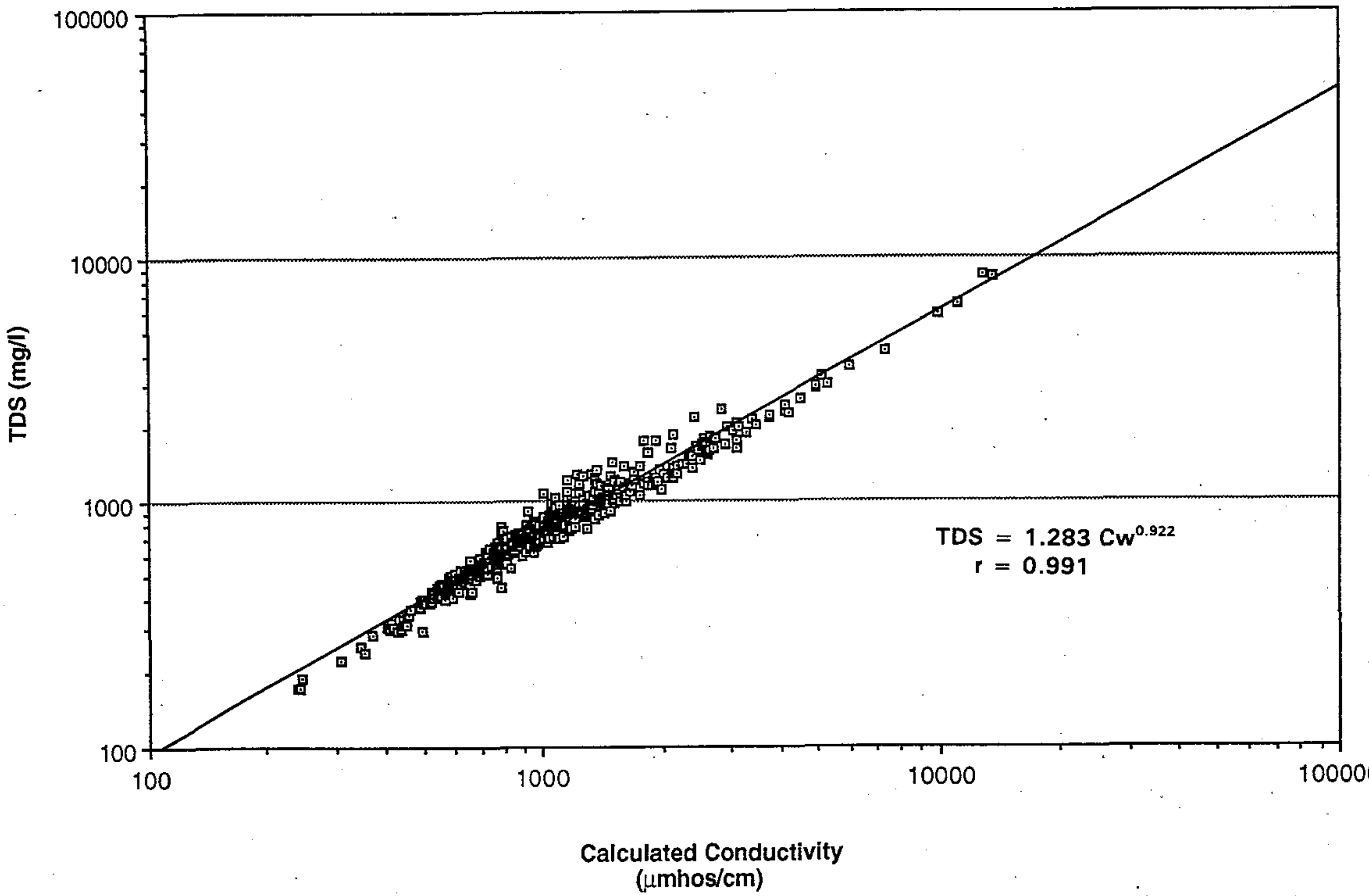

Figure 4-17. TDS-Cw graph of the Central Portion of the Chicot Aquifer. Cw is calculated conductivity.

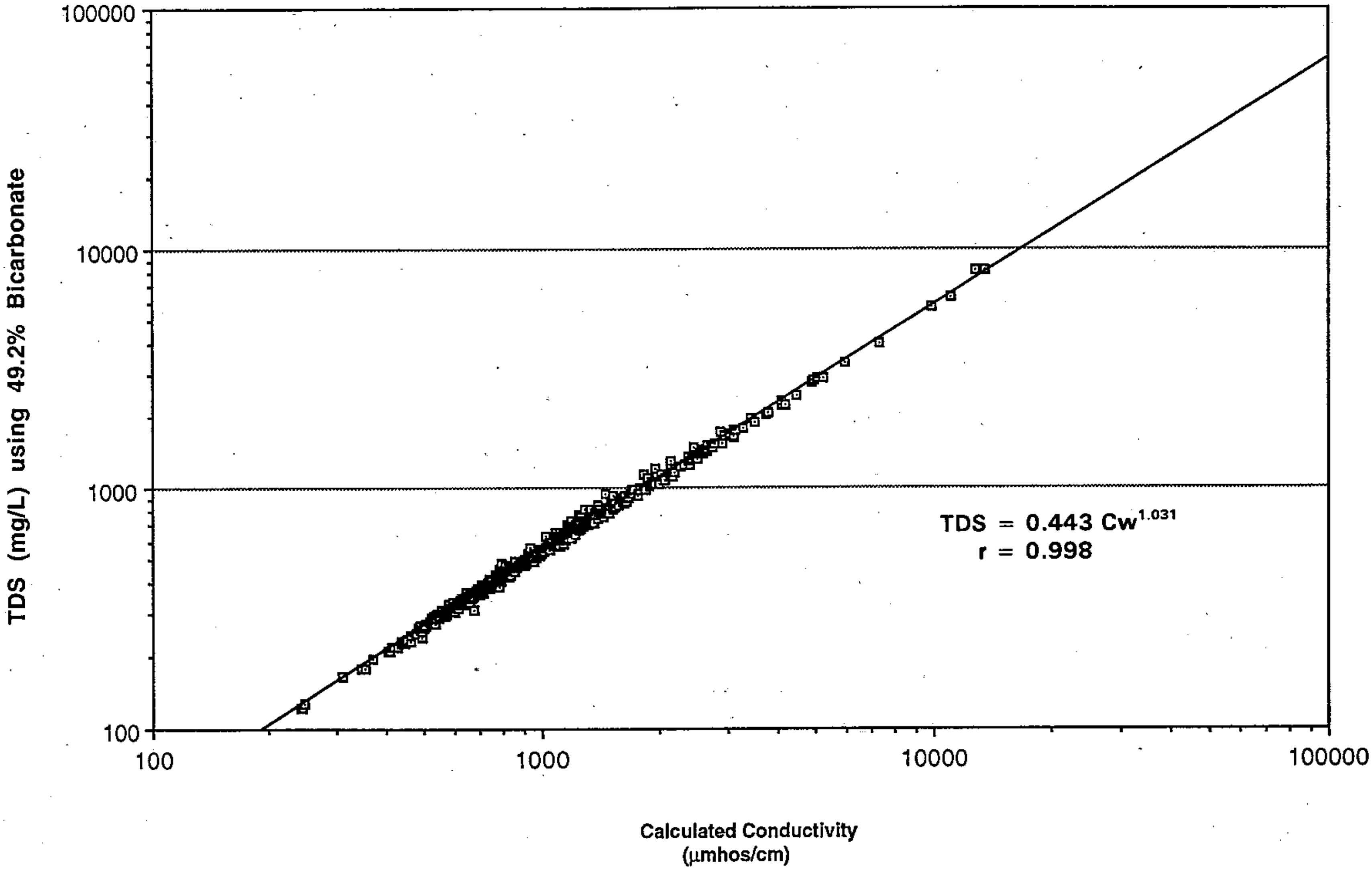

Figure 4-18. TDS-Cw graph of the Central Portion of the Chicot Aquifer. Cw is calculated conductivity and TDS includes only 49.2% of the bicarbonate value.

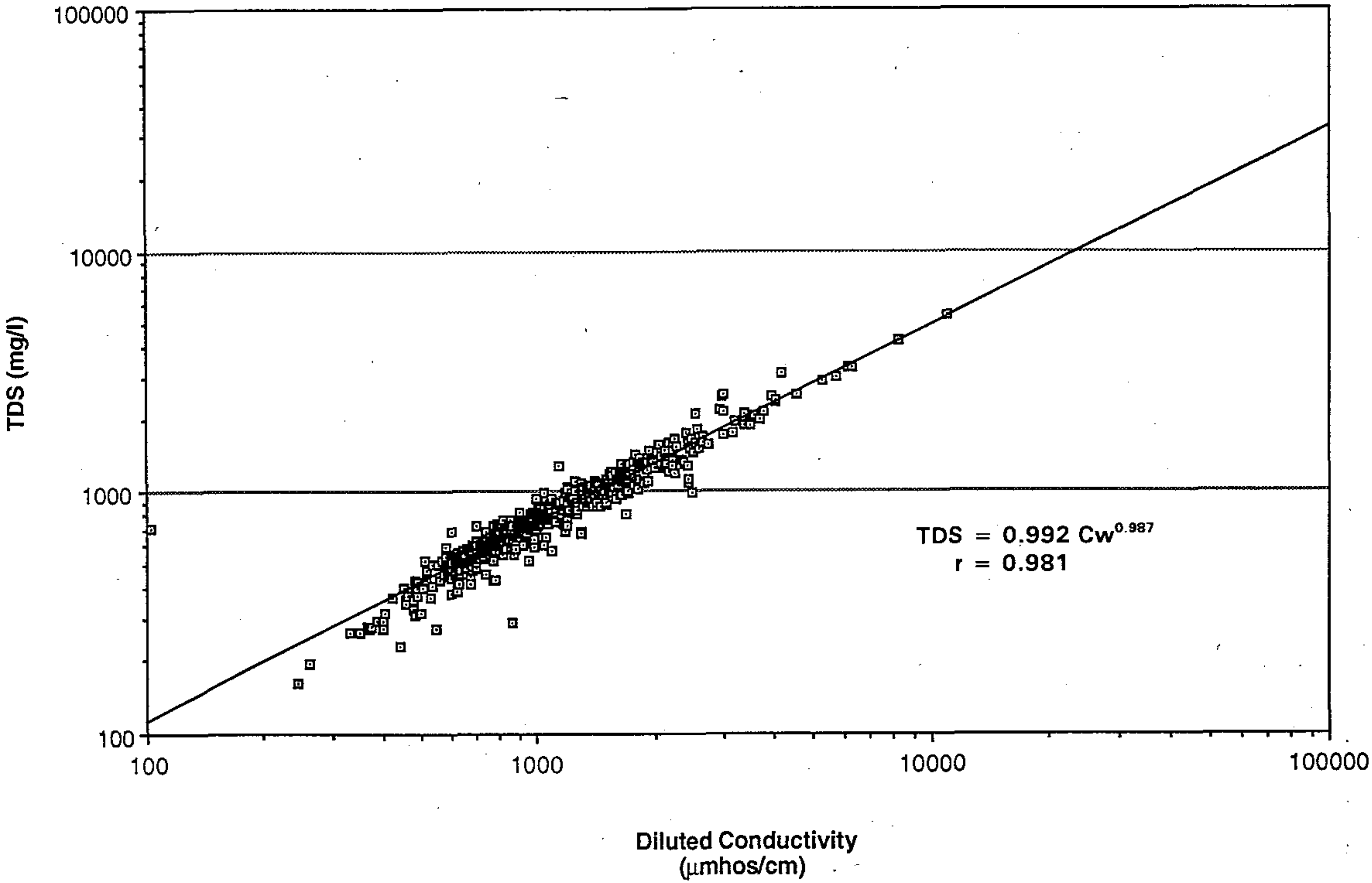

Figure 4-19. TDS-Cw graph of the Edwards and Associated Limestones Aquifer. Cw is diluted conductivity.

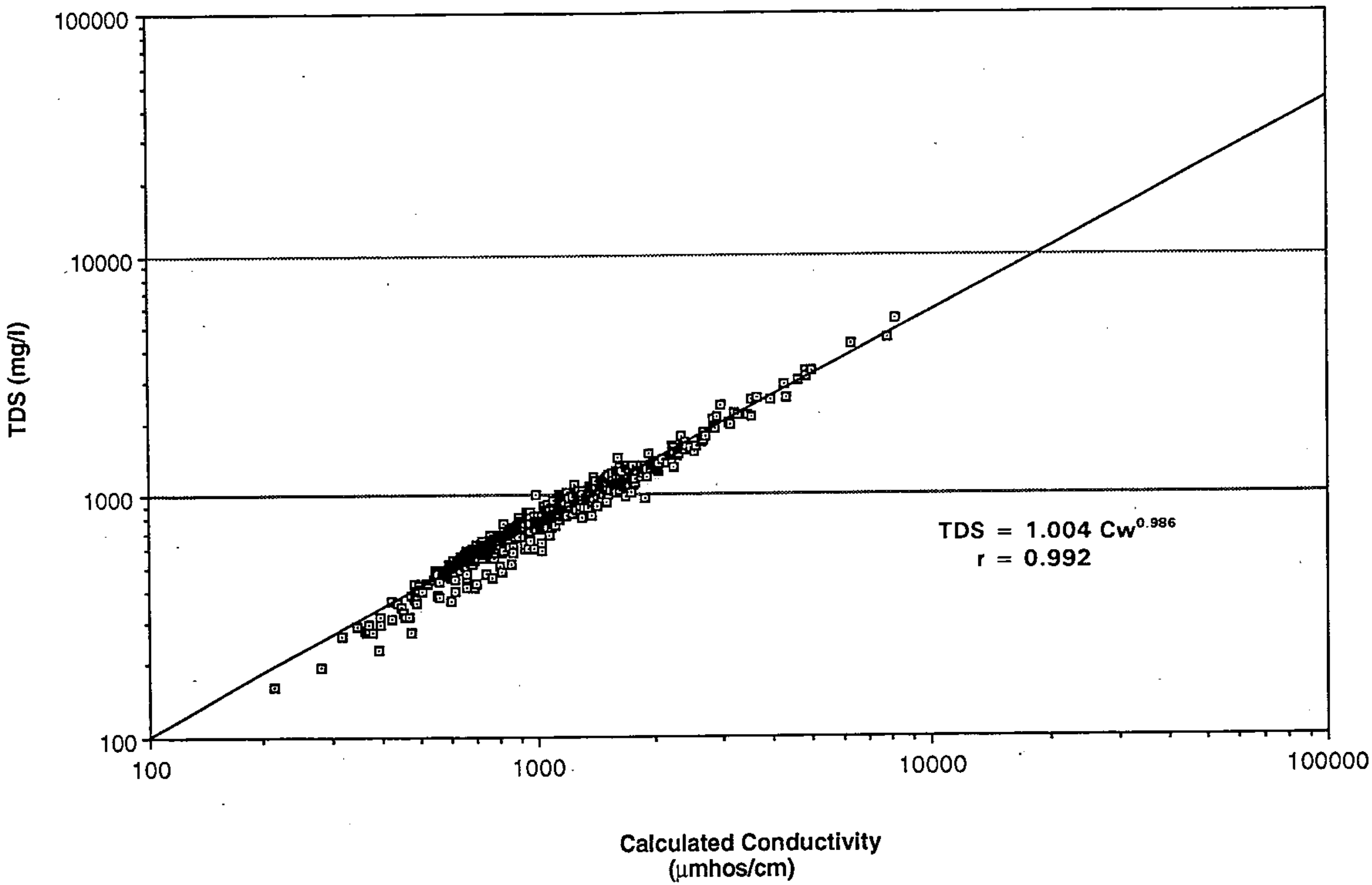

Figure 4-20. TDS-Cw graph of the Edwards and Associated Limestones Aquifer. Cw is calculated conductivity.

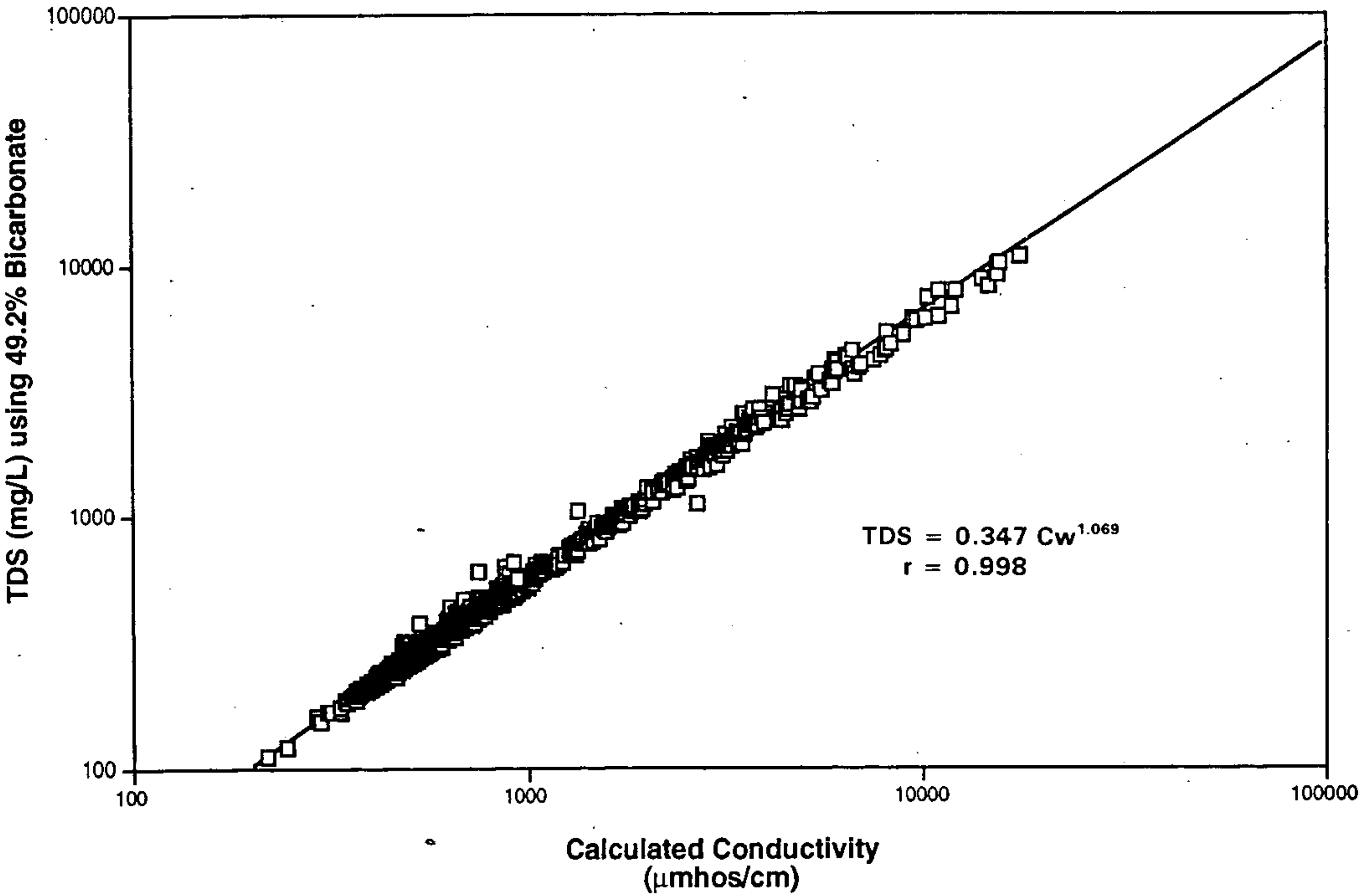

Figure 4-21. TDS-Cw graph of the Edwards and Associated Limestones aquifer. Cw is calculated conductivity and TDS includes only 49.2% of the bicarbonate value.

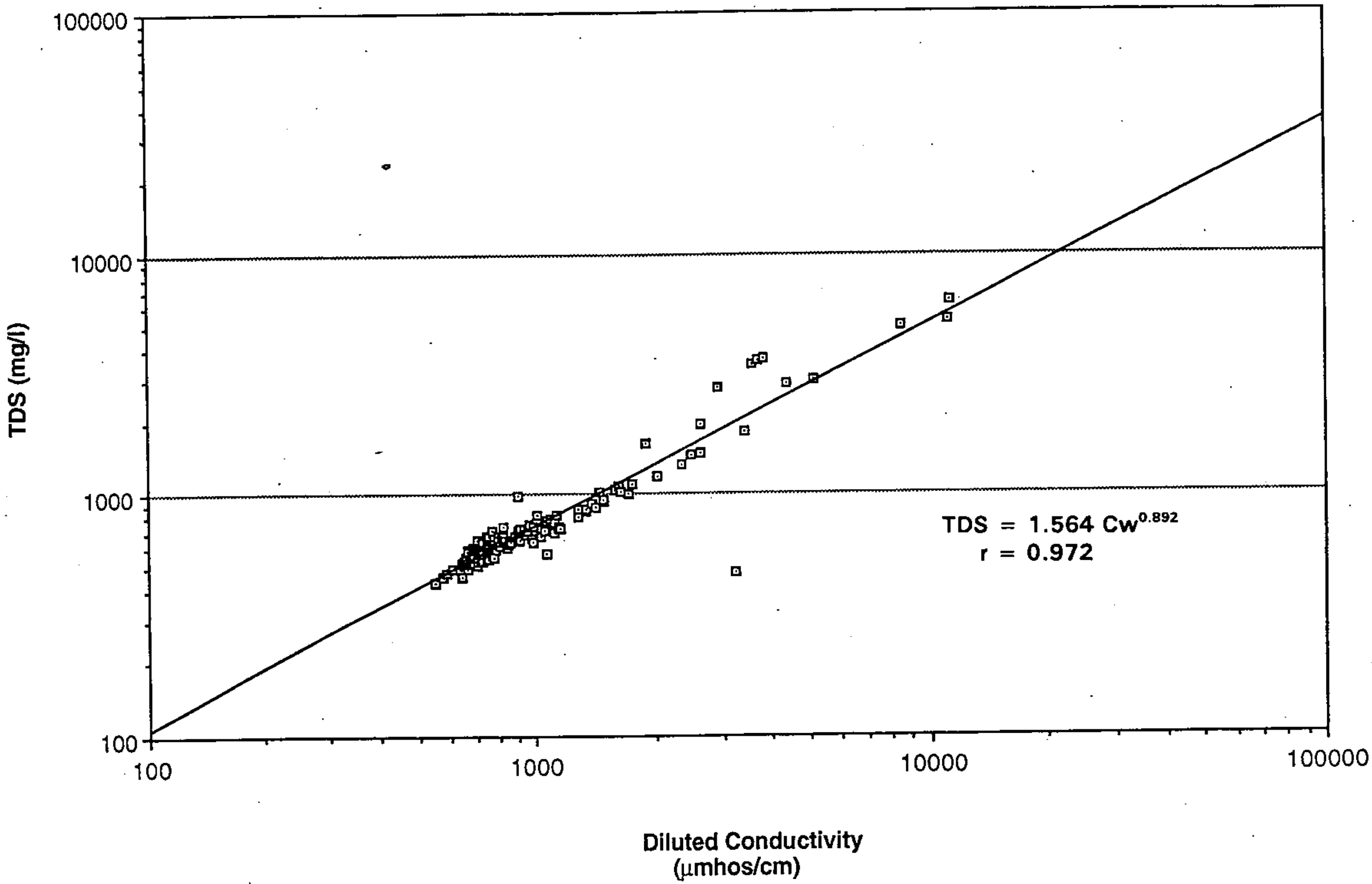

Figure 4-22. TDS-Cw graph of the Ellenburger Aquifer. Cw is diluted conductivity.

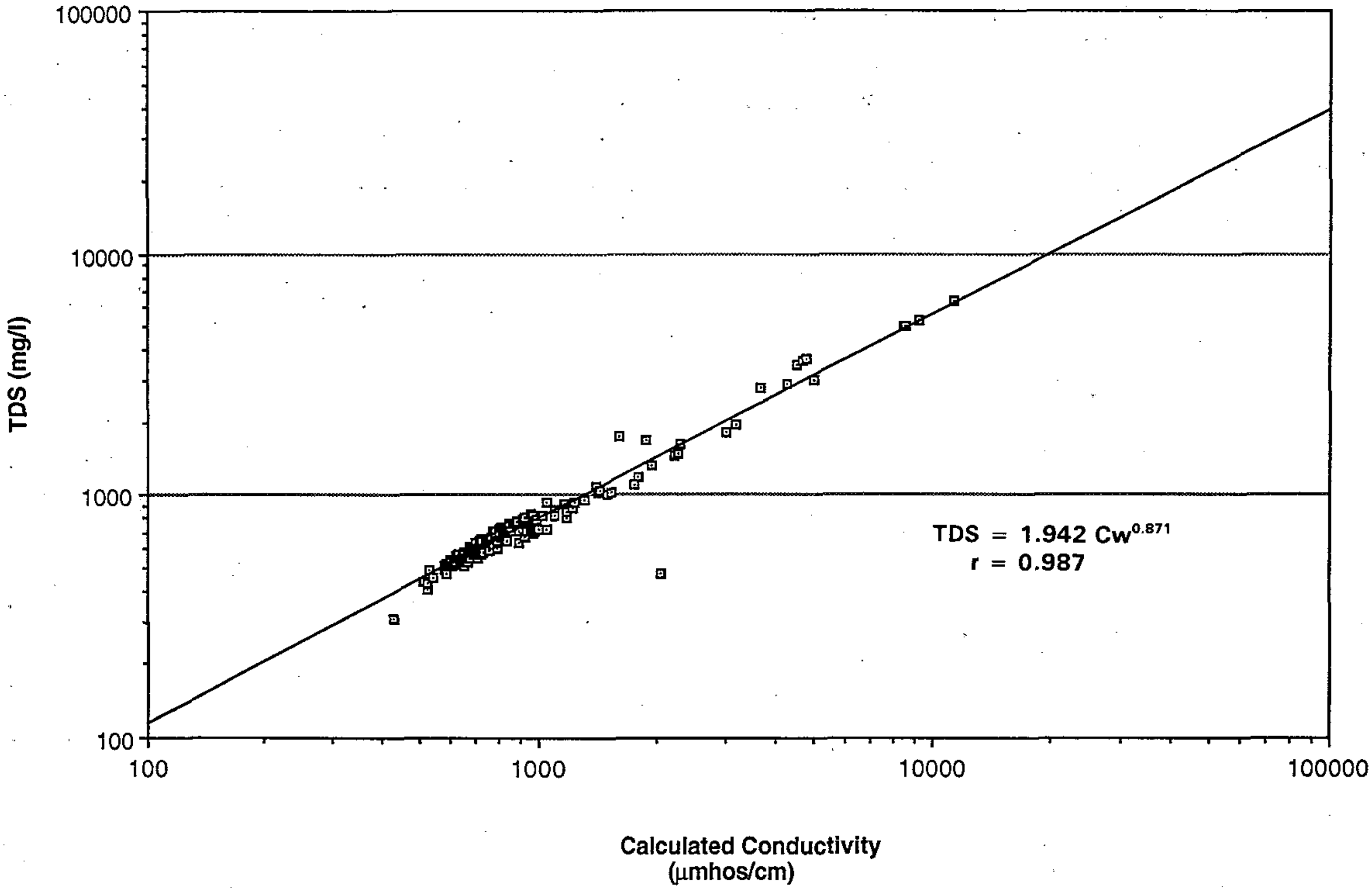

Figure 4-23. TDS-Cw graph of the Ellenburger Aquifer. Cw is calculated conductivity.

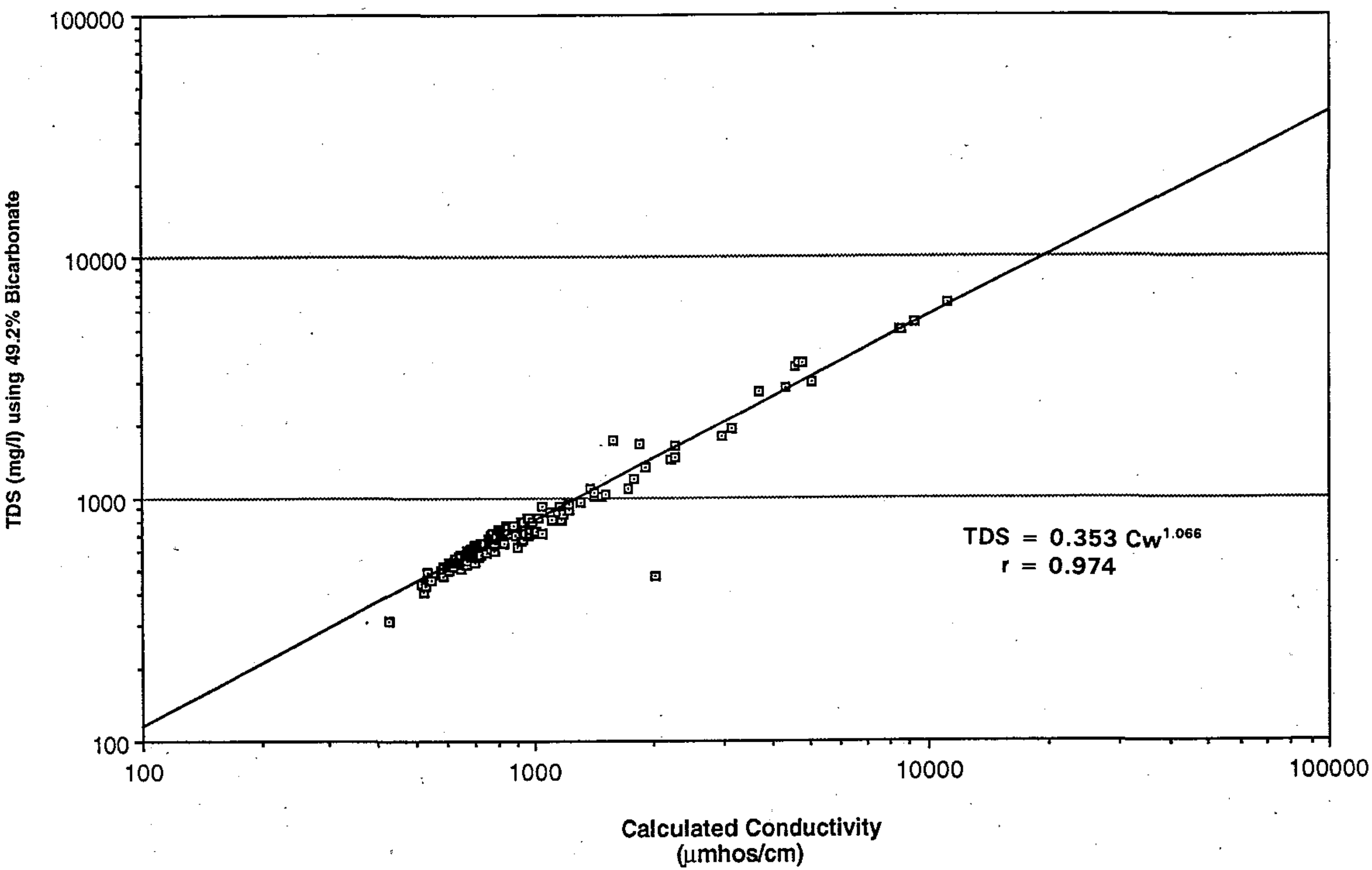

Figure 4-24. TDS-Cw graph of the Ellenburger Aquifer. Cw is calculated conductivity and TDS includes only 49.2% of the bicarbonate value.

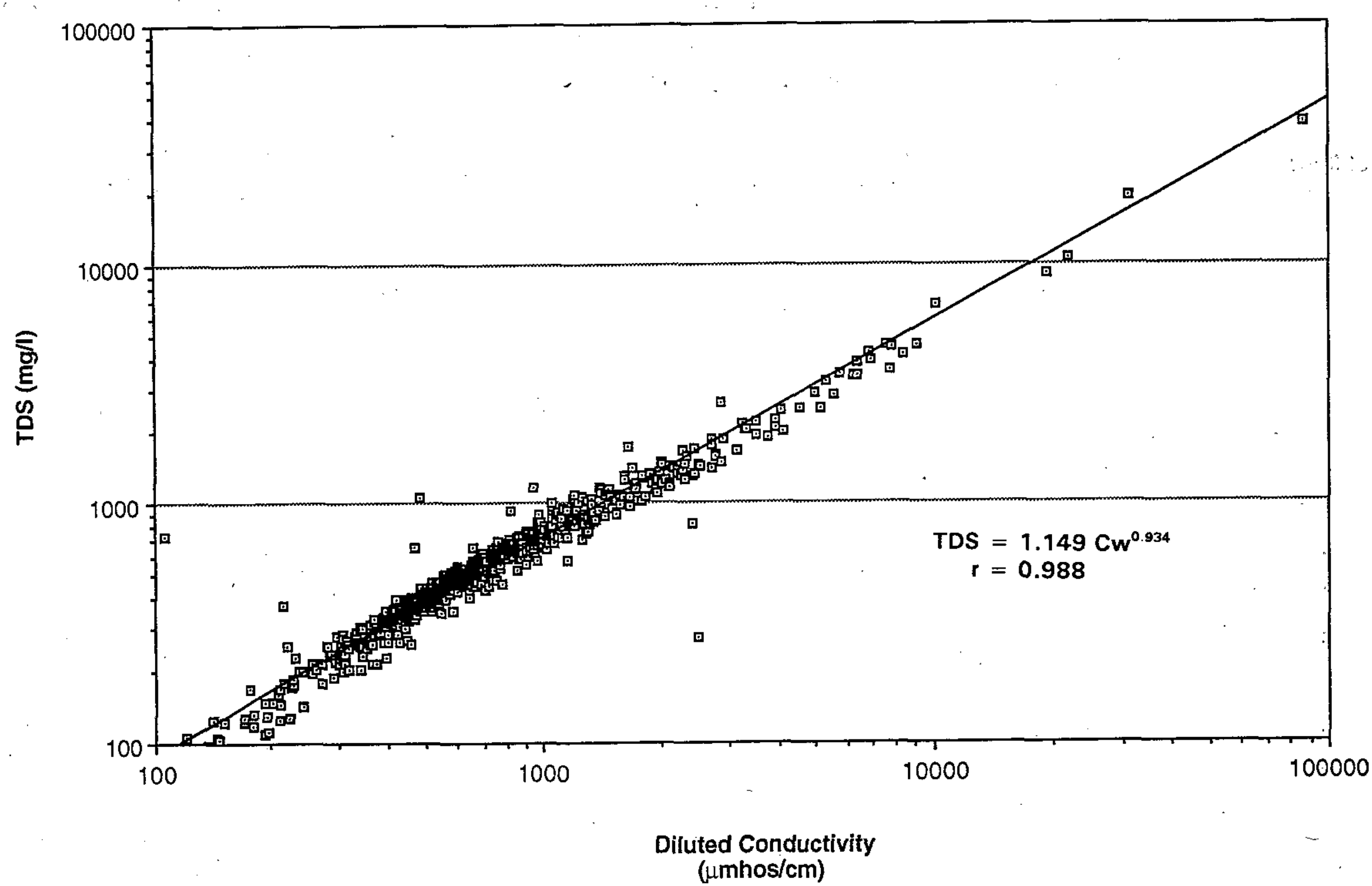

Figure 4-25. TDS-Cw graph of the Evangeline Aquifer. Cw is diluted conductivity.

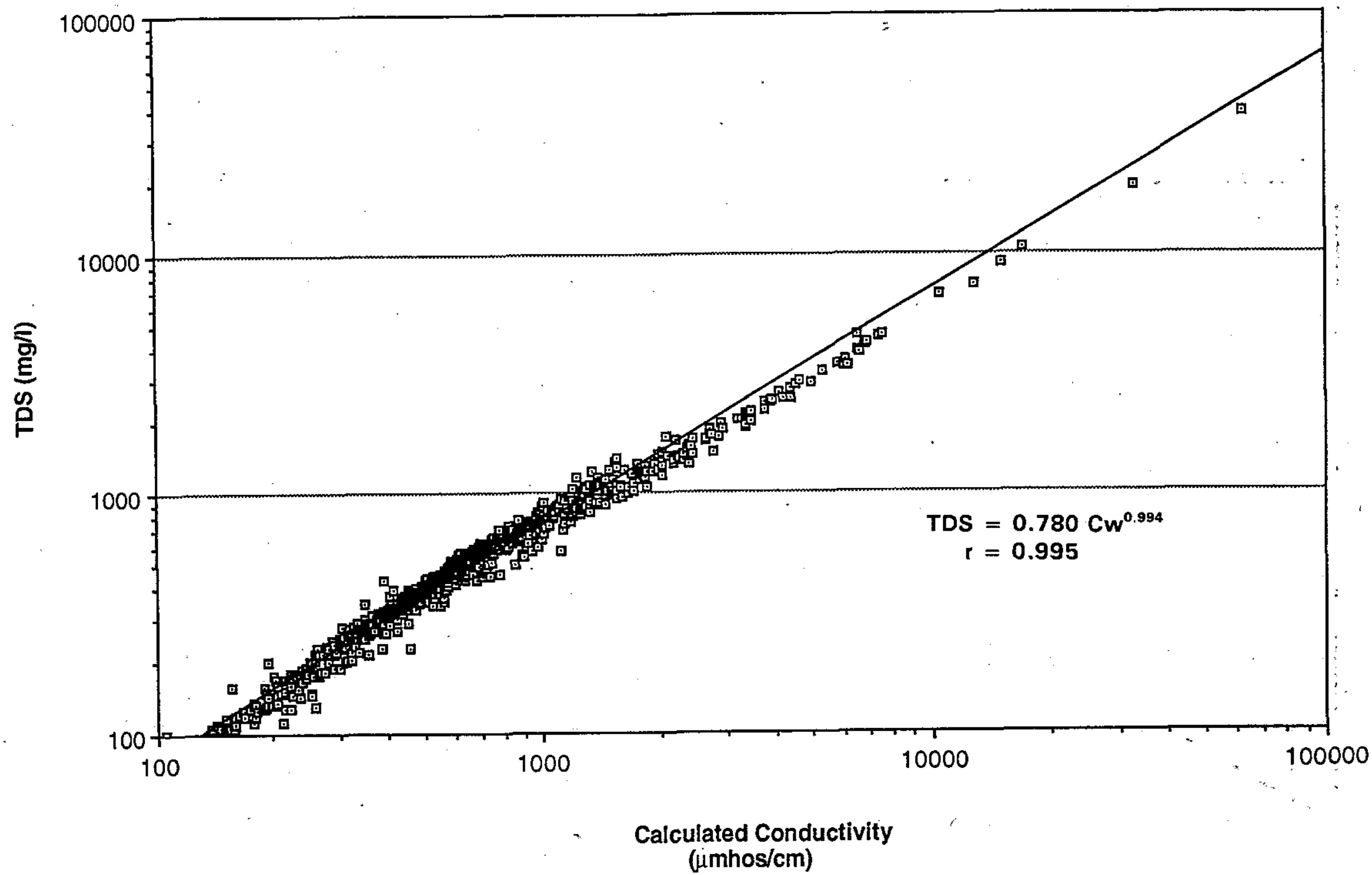

Figure 4-26. TDS-Cw graph of the Evangeline Aquifer. Cw is calculated conductivity.

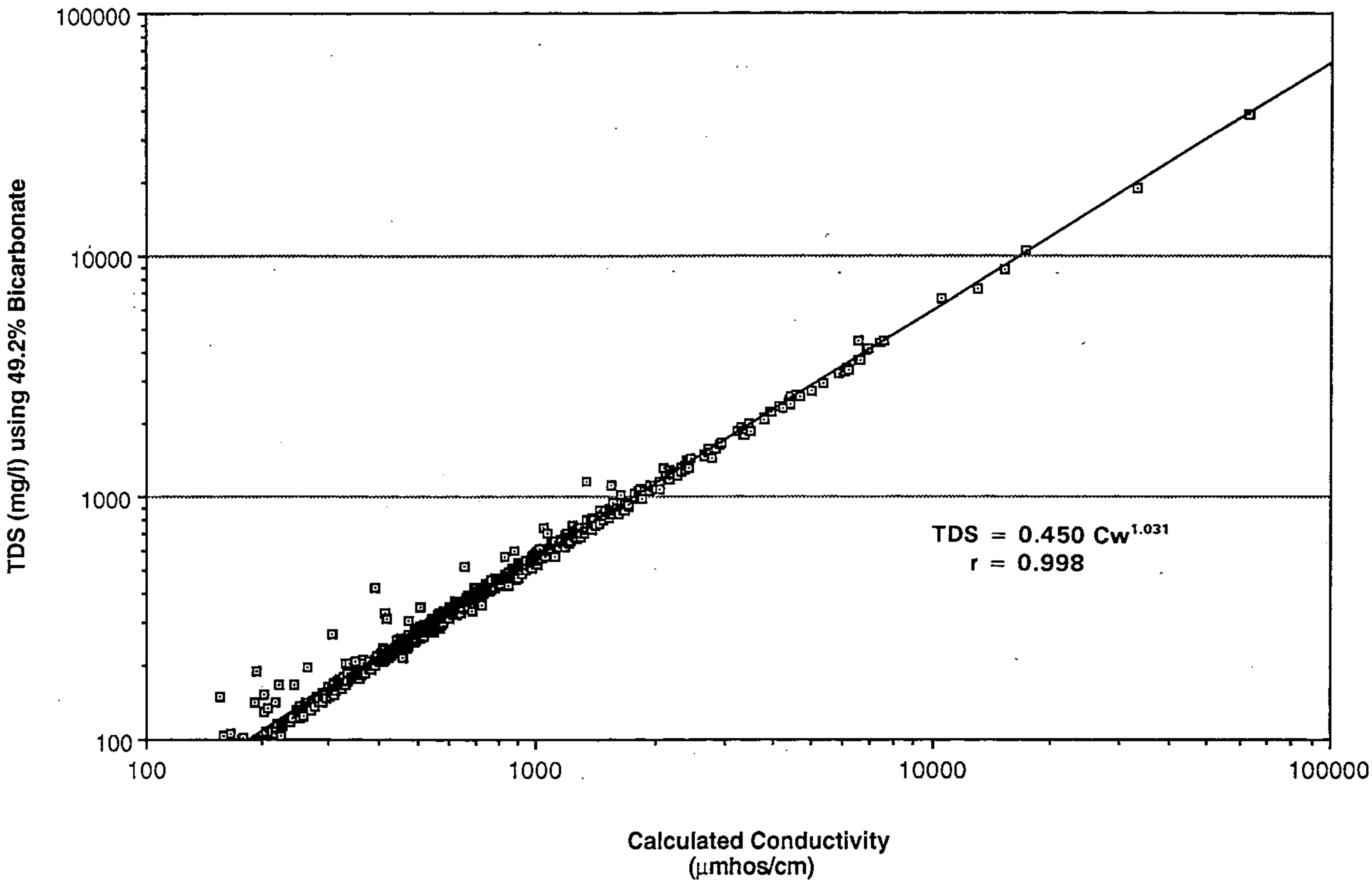

Figure 4-27. TDS-Cw graph of the Evangeline Aquifer. Cw is calculated conductivity and TDS includes only 49.2% of the bicarbonate value.

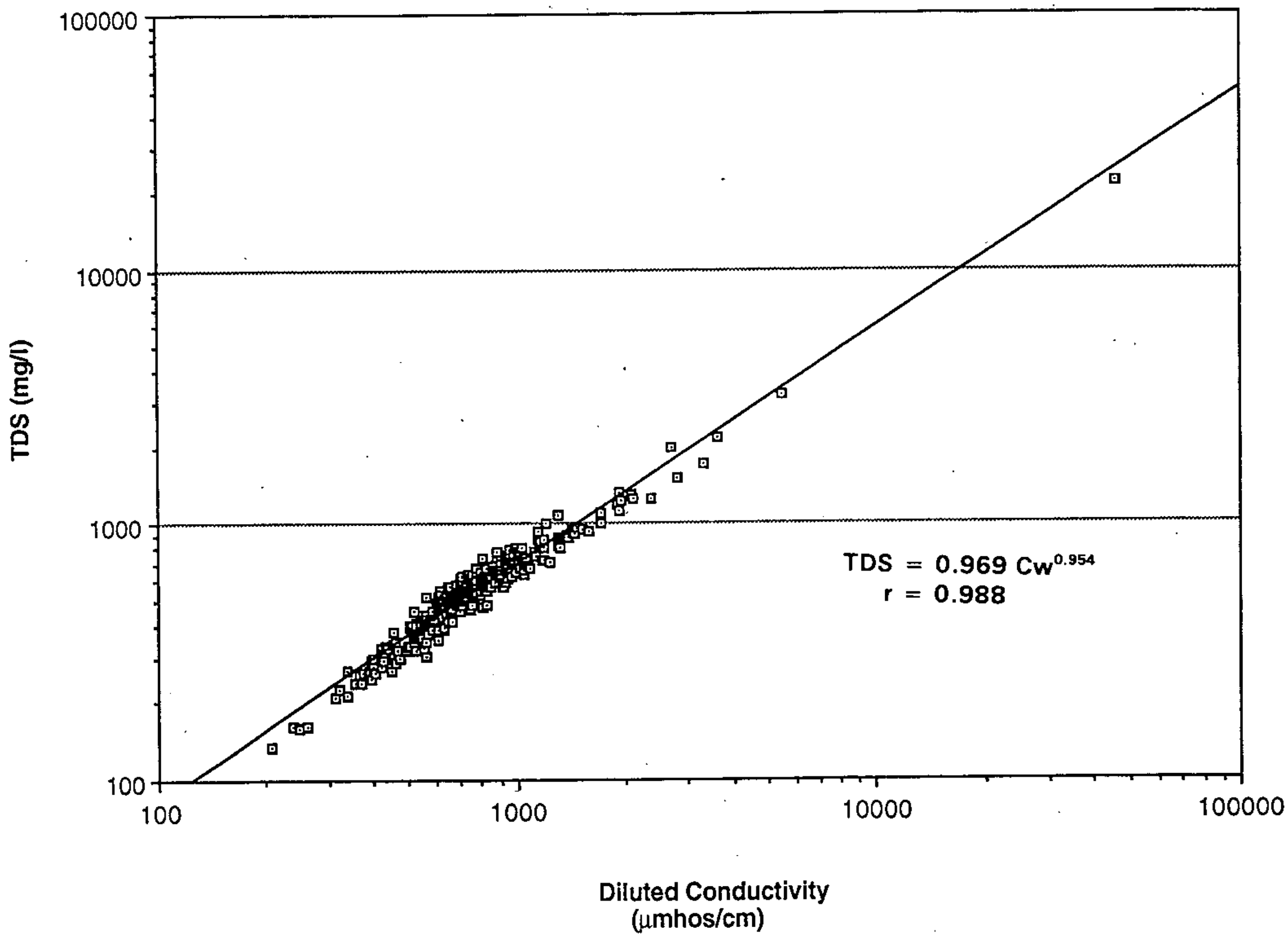

Figure 4-28. TDS-Cw graph of the Hickory Aquifer. Cw is diluted conductivity.

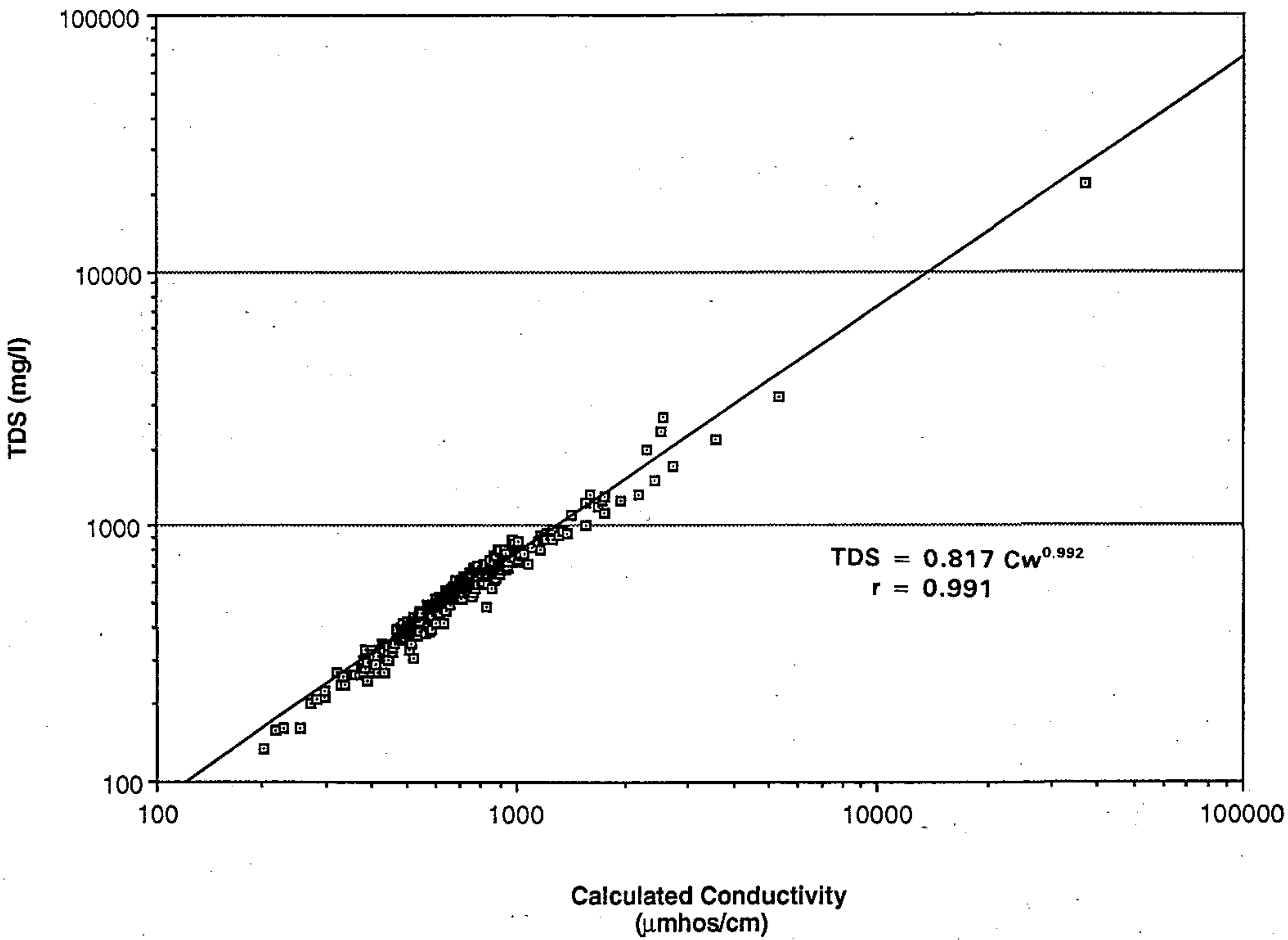

Figure 4-29. TDS-Cw graph of the Hickory Aquifer. Cw is calculated conductivity.

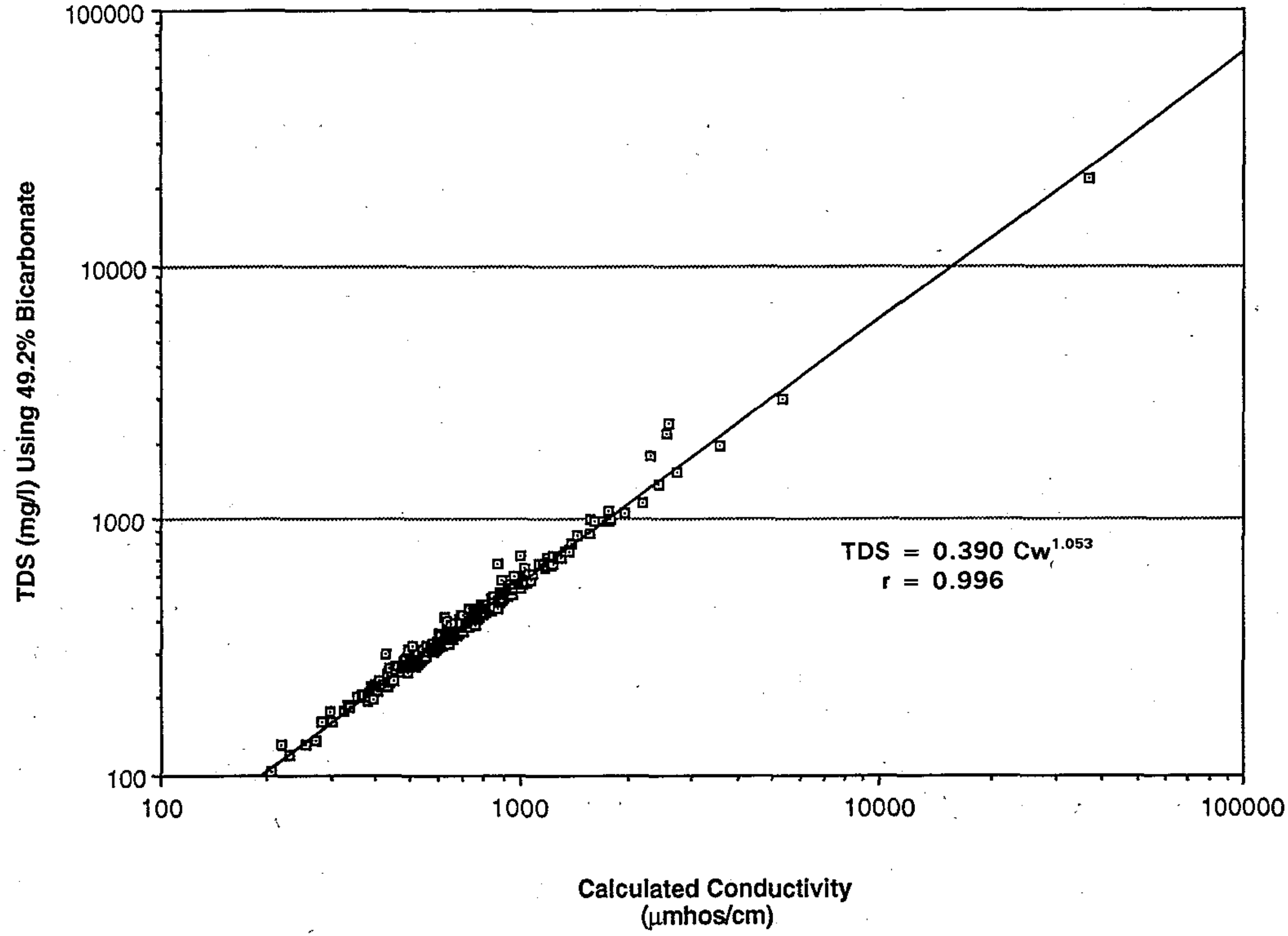

Figure 4-30. TDS-Cw graph of the Hickory Aquifer. Cw is calculated conductivity and TDS includes only 49.2% of the bicarbonate value.

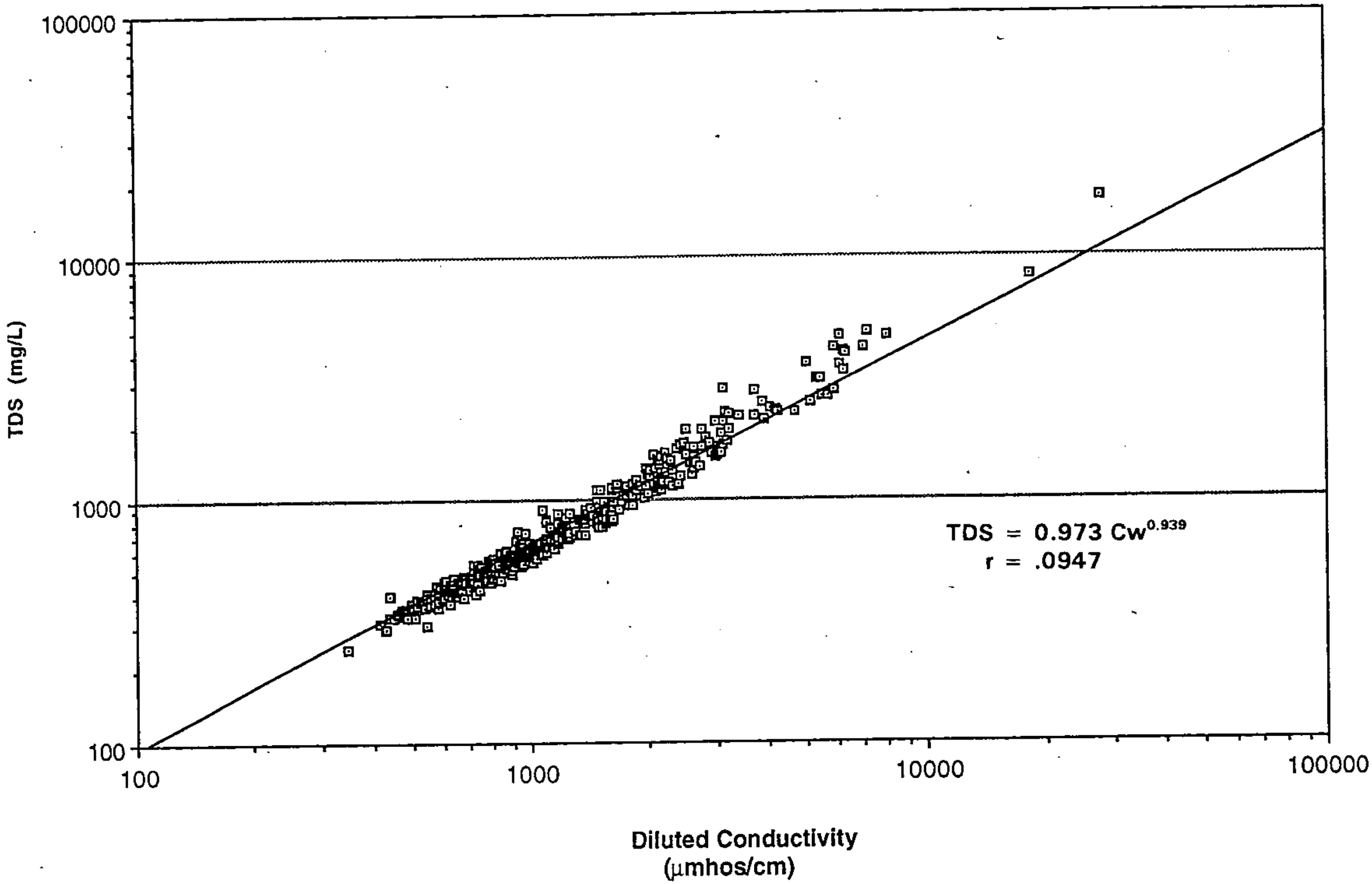

Figure 4-31. TDS-Cw graph of the Hueco Bolson Aquifer. Cw is diluted conductivity.

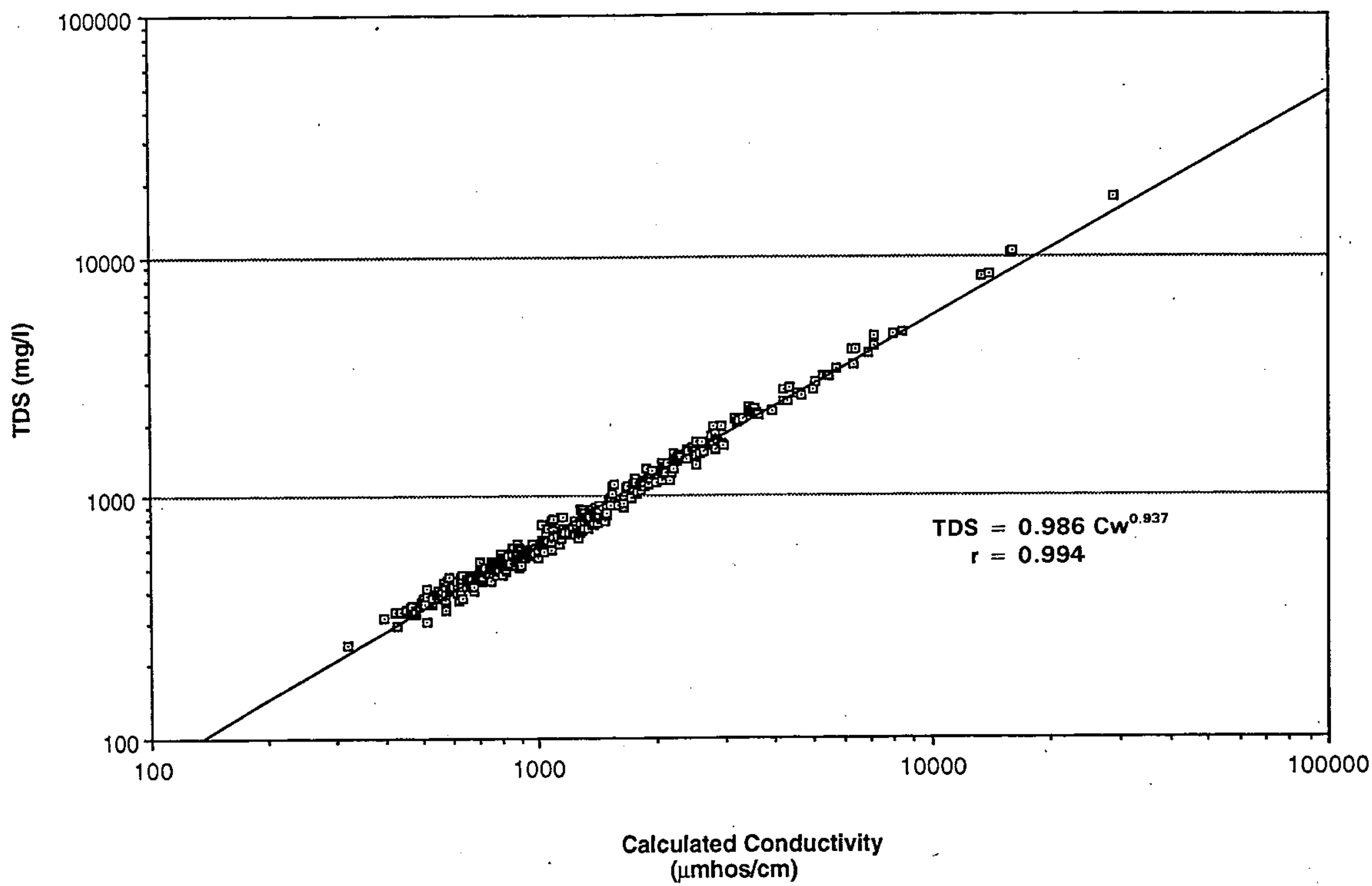

Figure 4-32. TDS-Cw graph of the Hueco Bolson Aquifer. Cw is calculated conductivity.

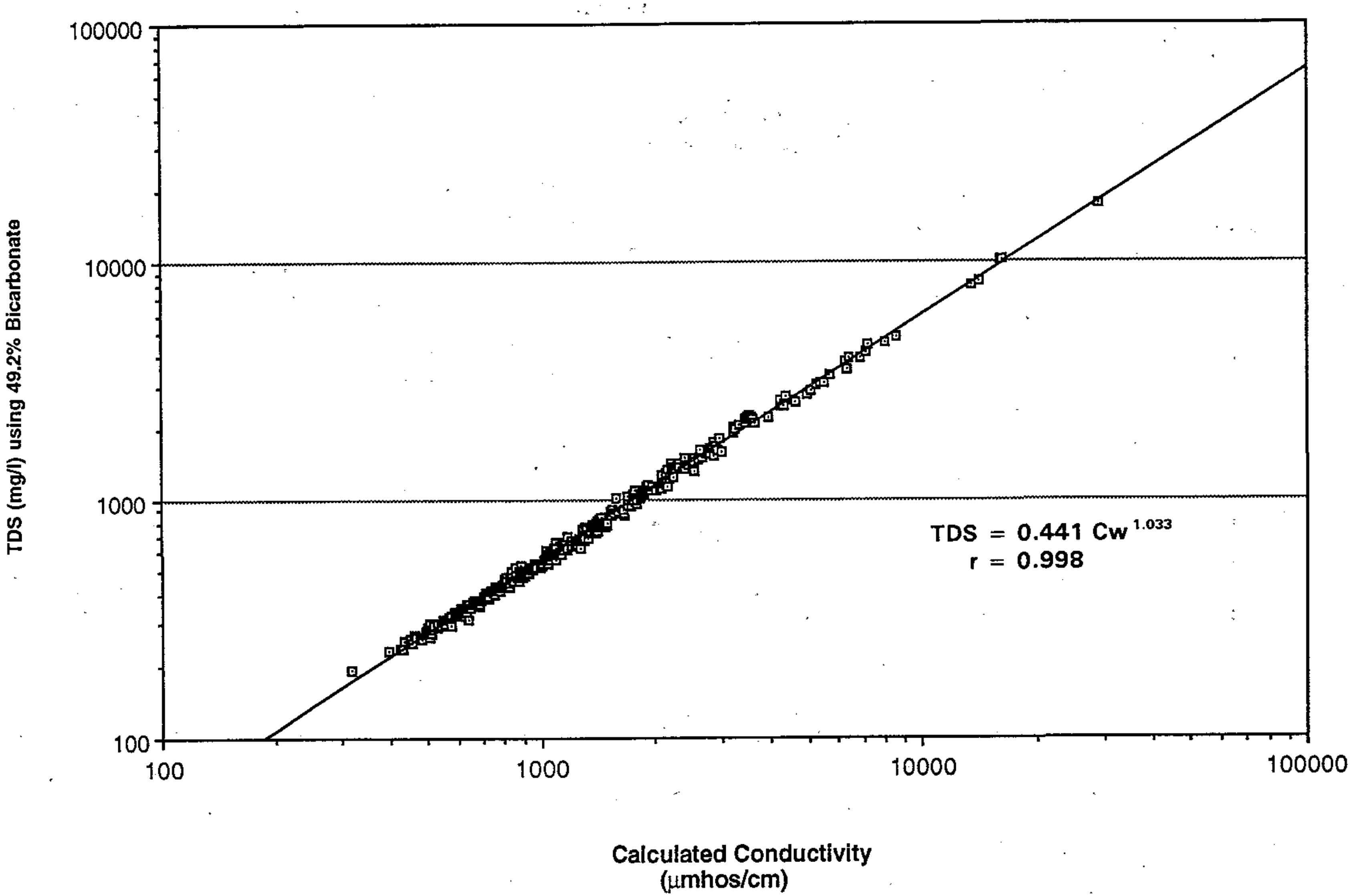

Figure 4-33. TDS-Cw graph of the Hueco Bolson Aquifer. Cw is calculated conductivity and TDS includes only 49.2% of the bicarbonate value.

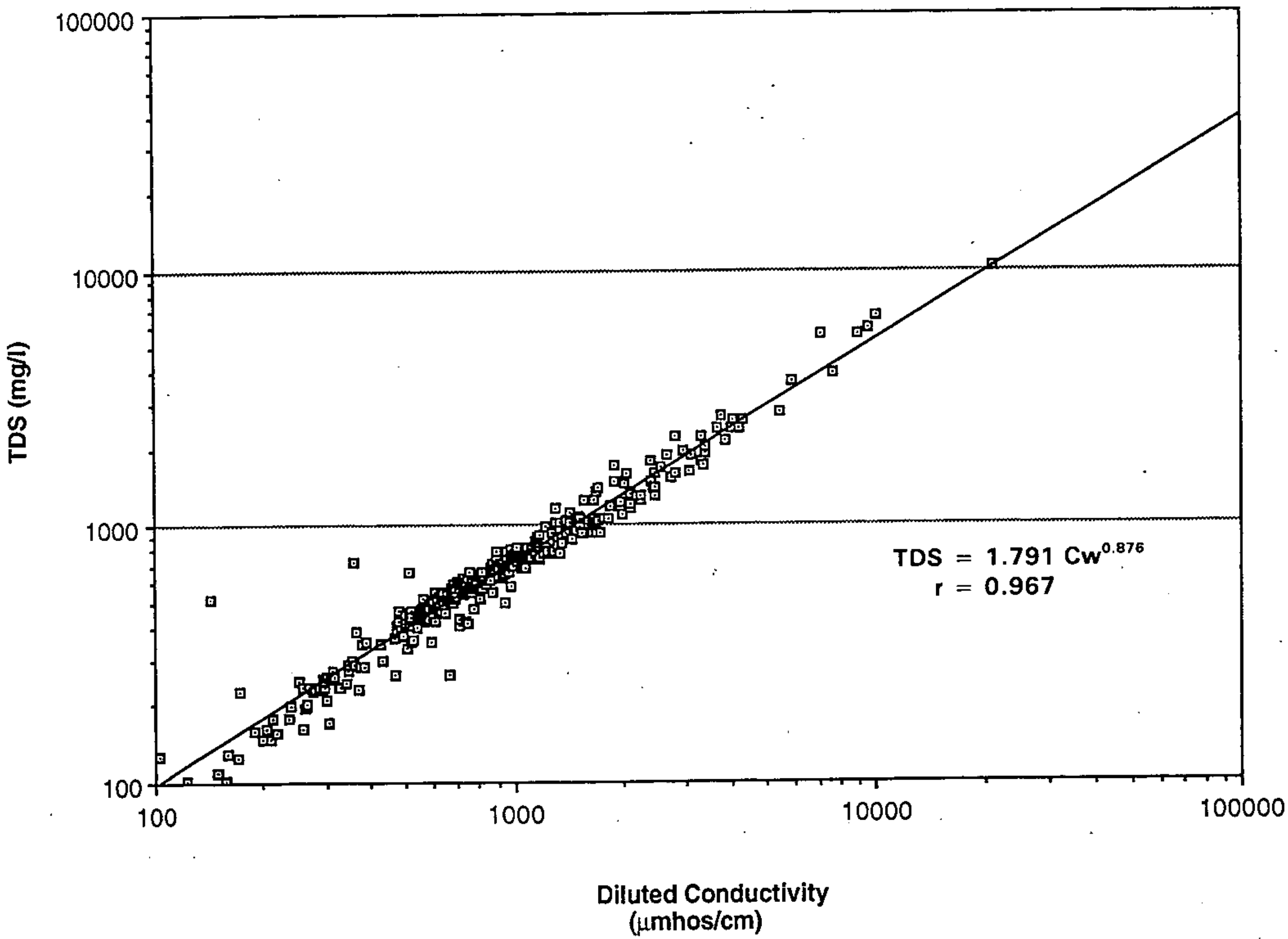

Figure 4-34. TDS-Cw graph of the Jasper Aquifer. Cw is diluted conductivity.

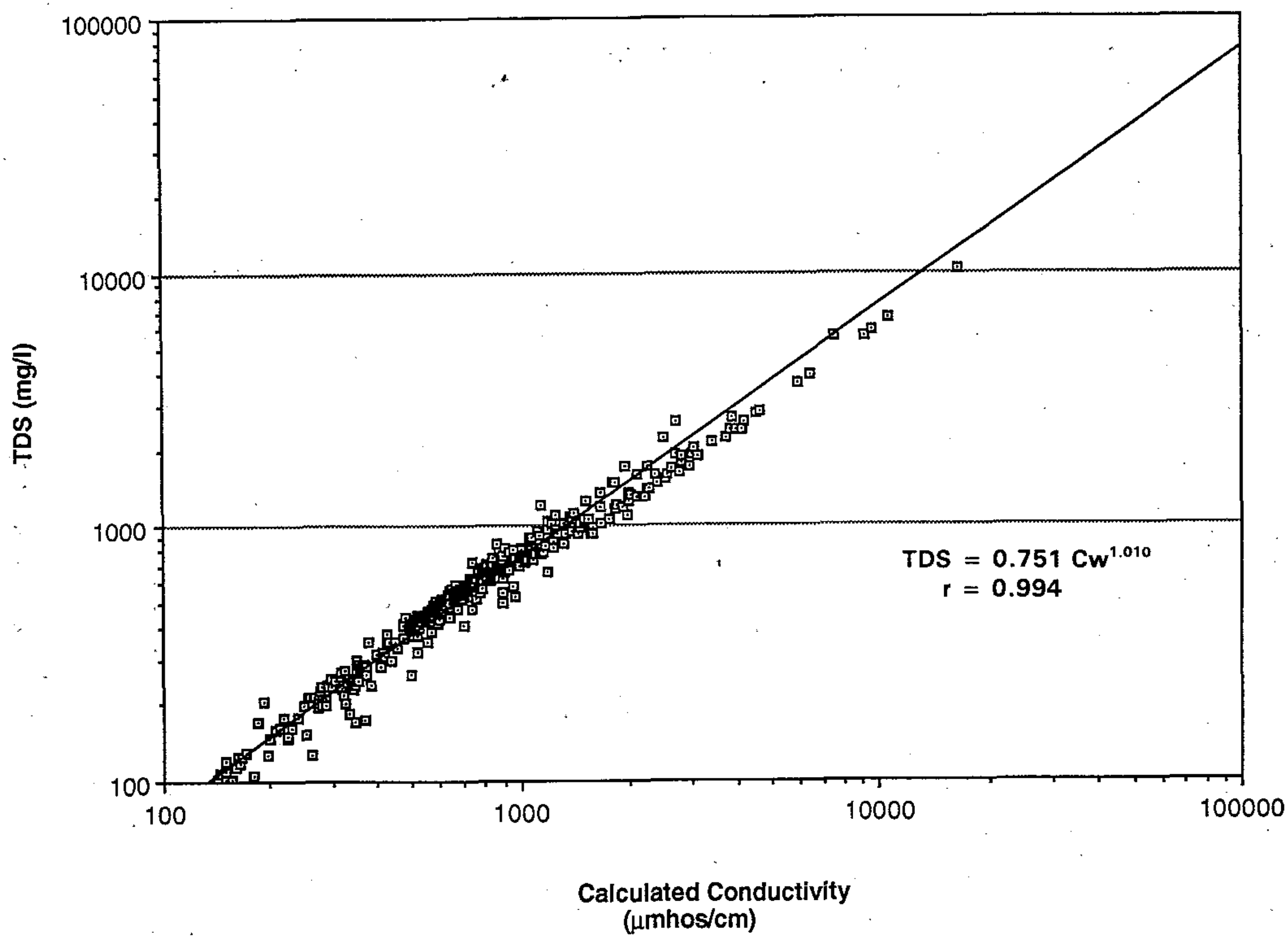

Figure 4-35. TDS-Cw graph of the Jasper Aquifer. Cw is calculated conductivity.

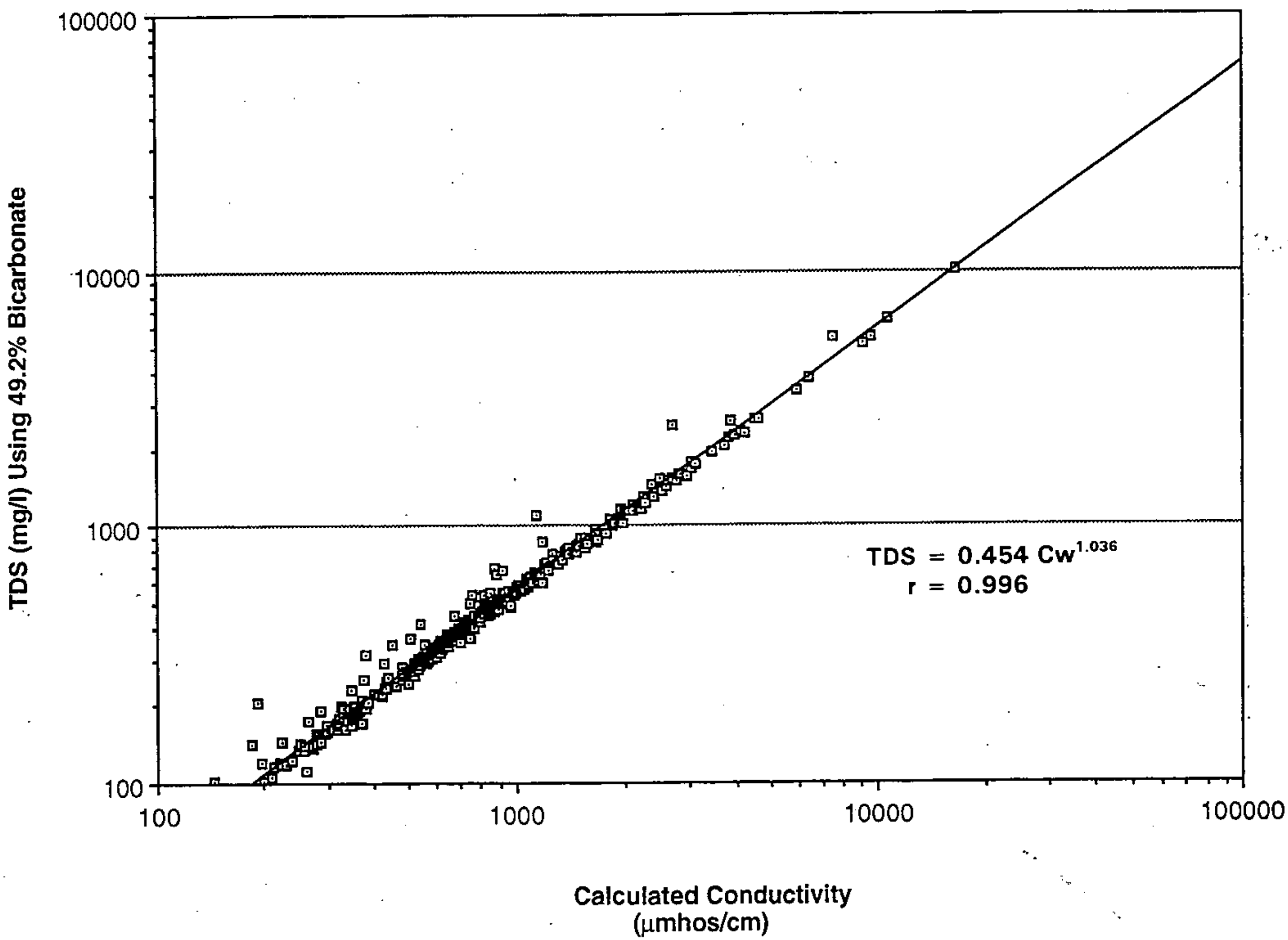

Figure 4-36. TDS-Cw graph of the Jasper Aquifer. Cw is calculated conductivity and TDS includes only 49.2% of the bicarbonate value.

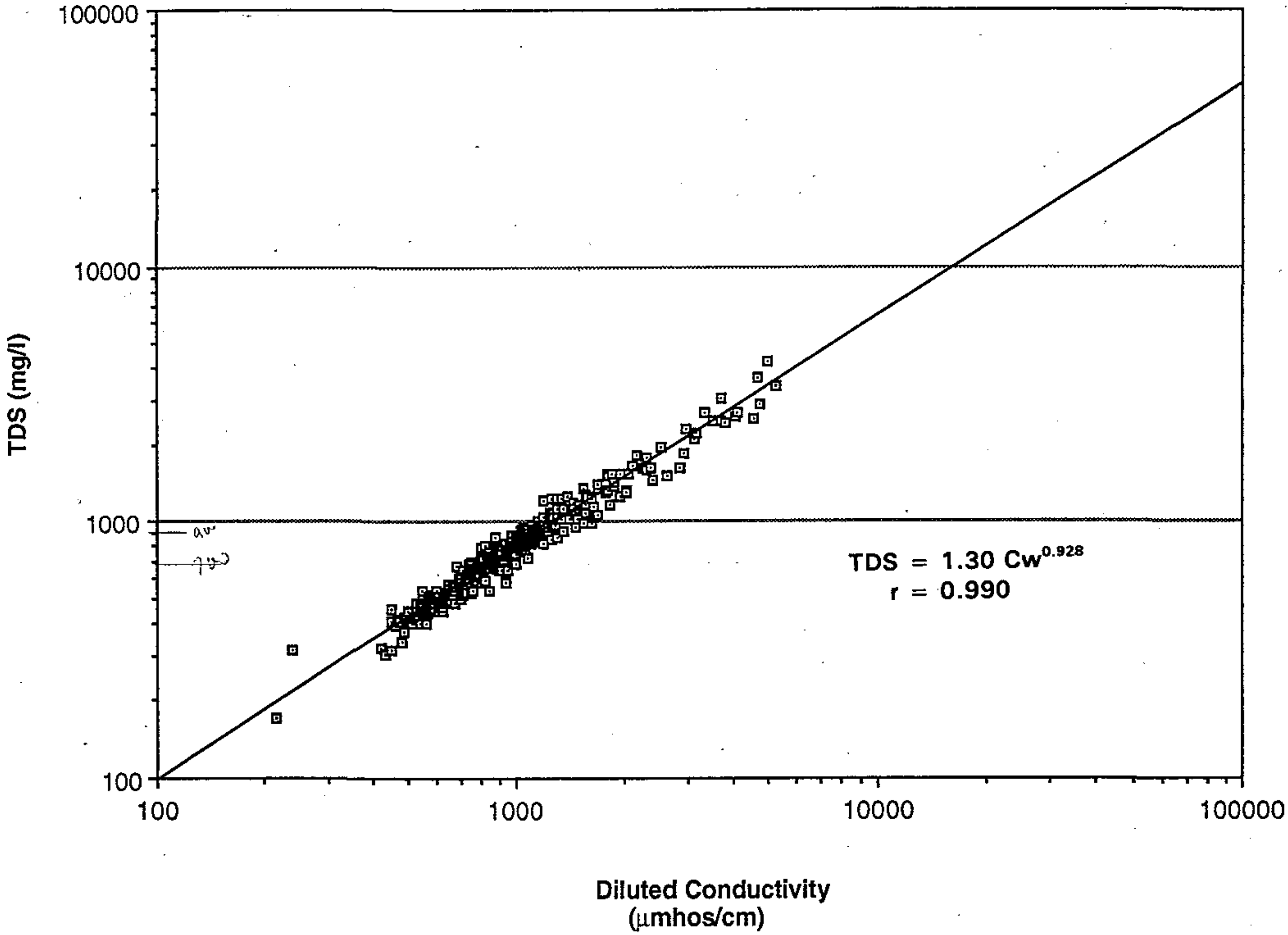

Figure 4-37. TDS-Cw graph of the Paluxy Aquifer. Cw is diluted conductivity.

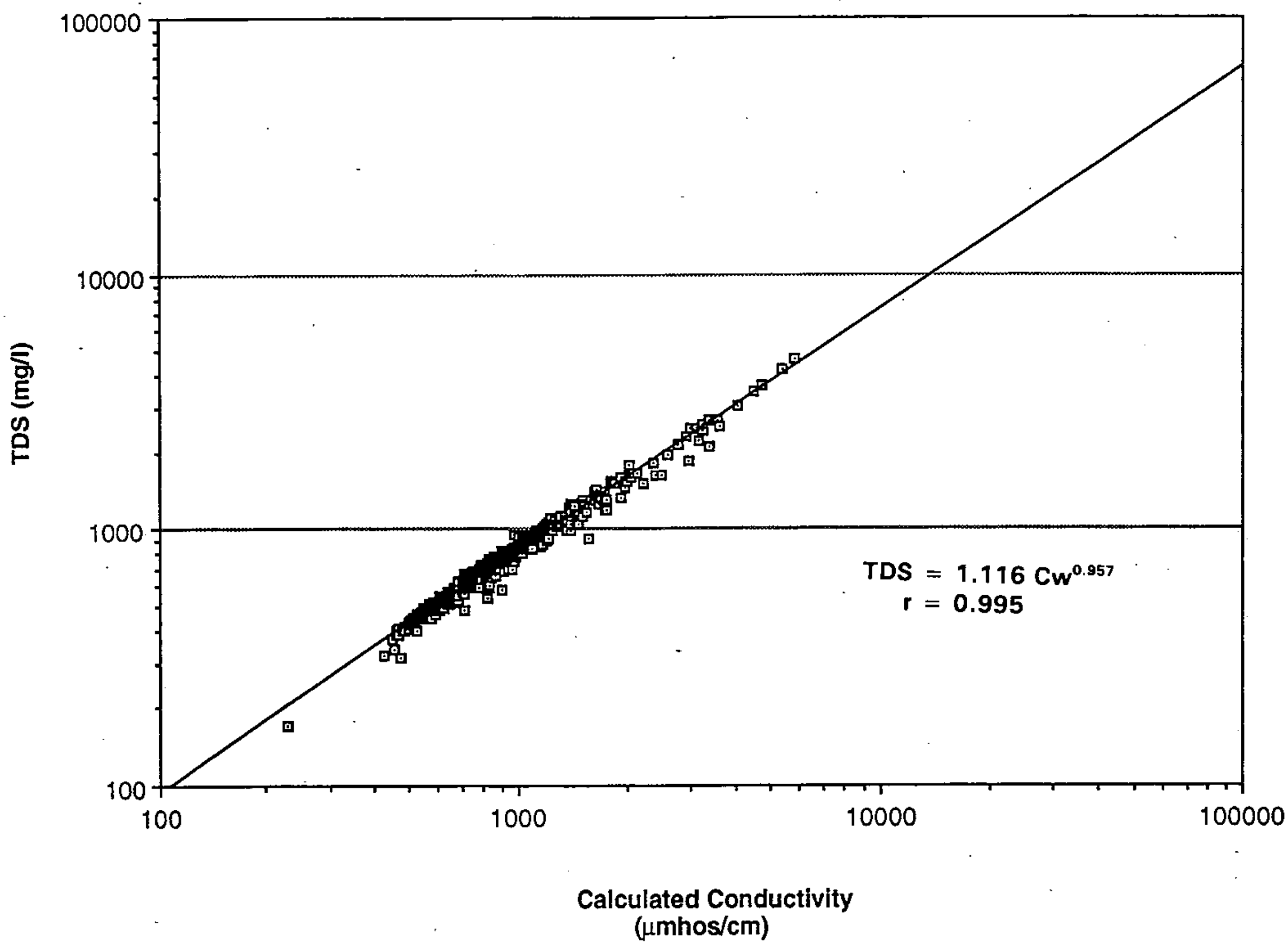

Figure 4-38. TDS-Cw graph of the Paluxy Aquifer. Cw is calculated conductivity.

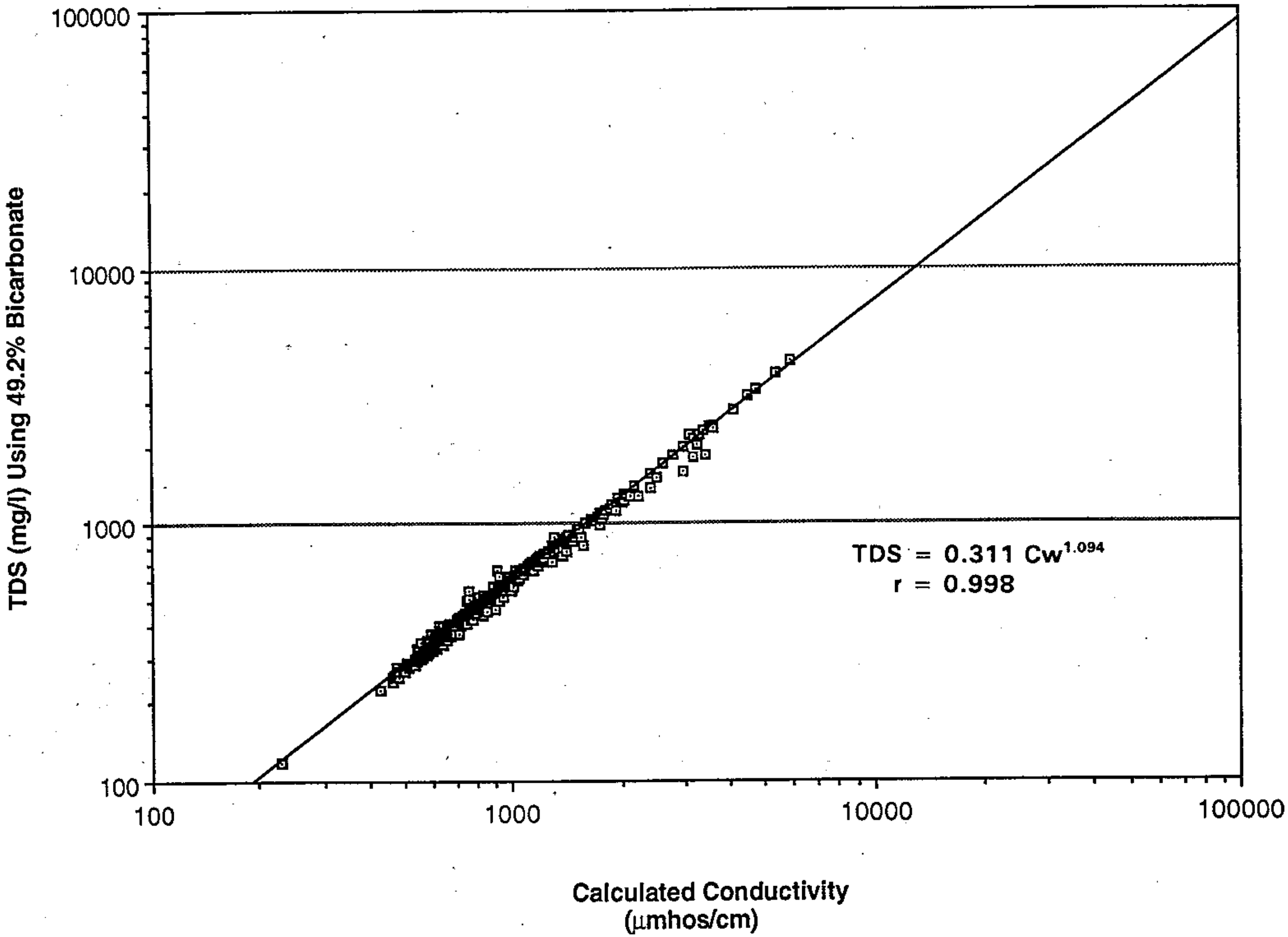

Figure 4-39. TDS-Cw graph of the Paluxy Aquifer. Cw is calculated conductivity and TDS includes only 49.2% of the bicarbonate value.

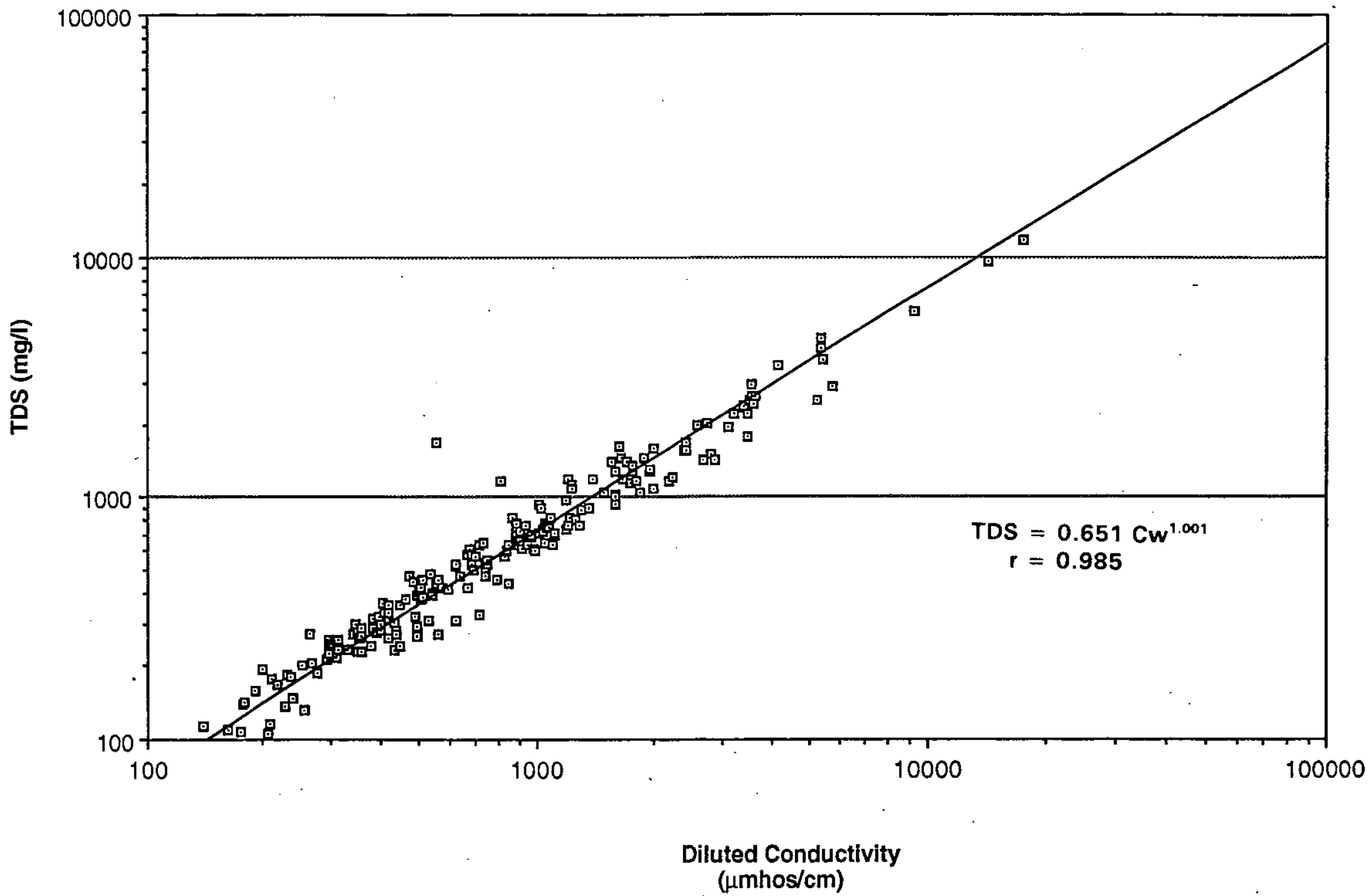

Figure 4-40. TDS-Cw graph of the Sparta Aquifer. Cw is diluted conductivity.

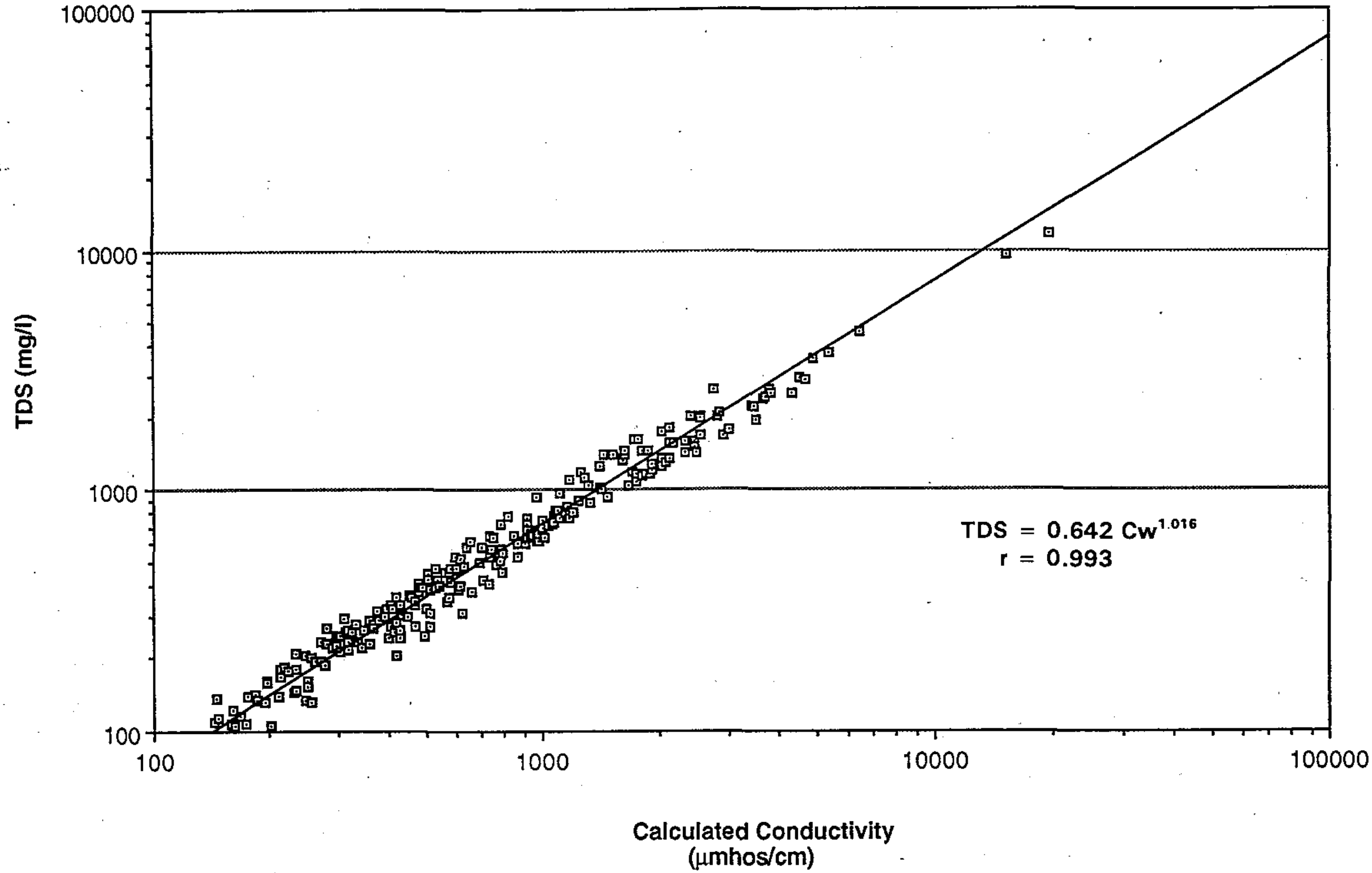

Figure 4-41. TDS-Cw graph of the Sparta Aquifer. Cw is calculated conductivity.

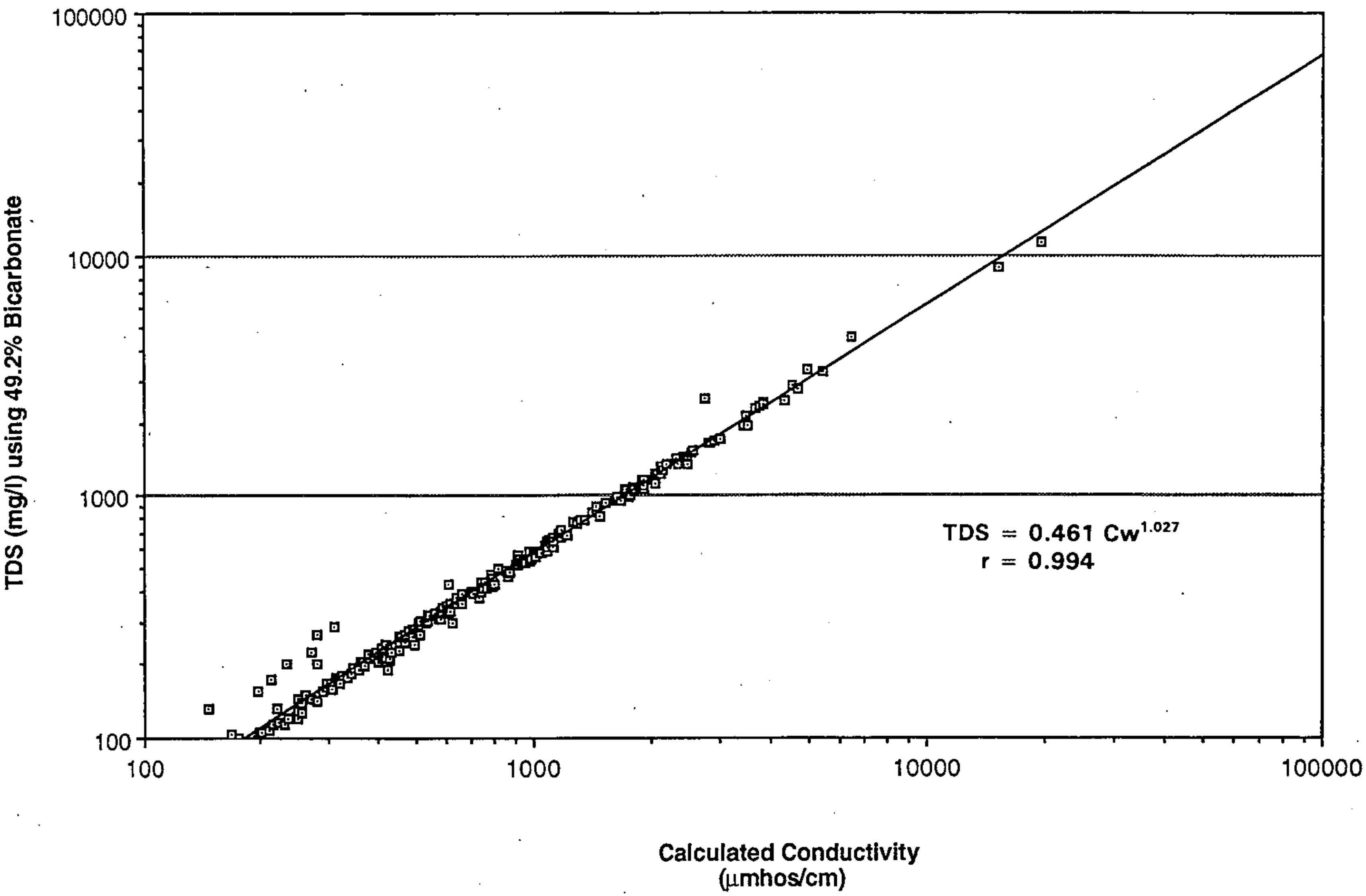

Figure 4-42. TDS-Cw graph of the Sparta Aquifer. Cw is calculated conductivity and TDS includes only 49.2% of the bicarbonate value.

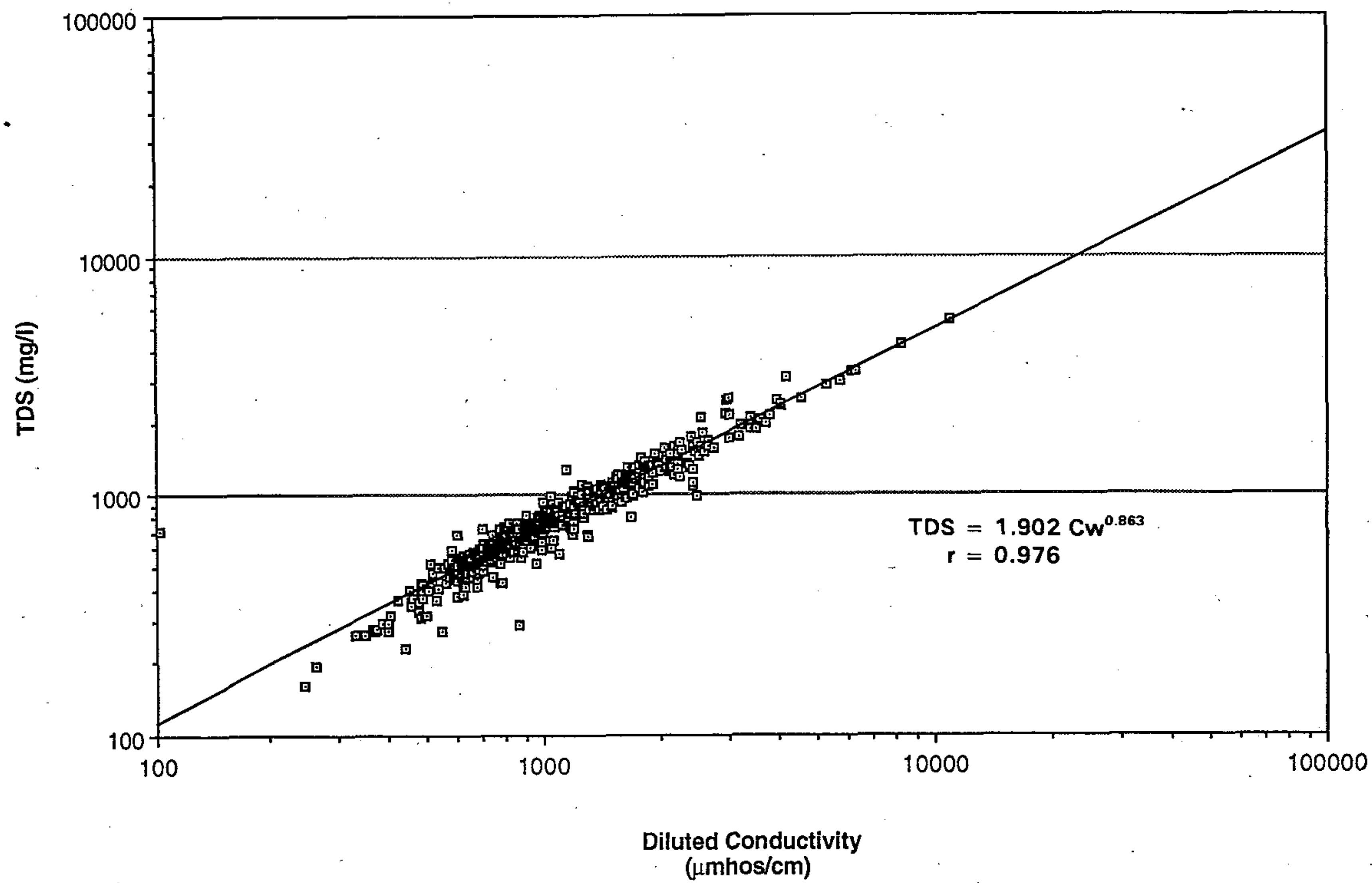

Figure 4-43. TDS-Cw graph of the Travis Peak & Twin Mountains Aquifer. Cw is diluted conductivity.

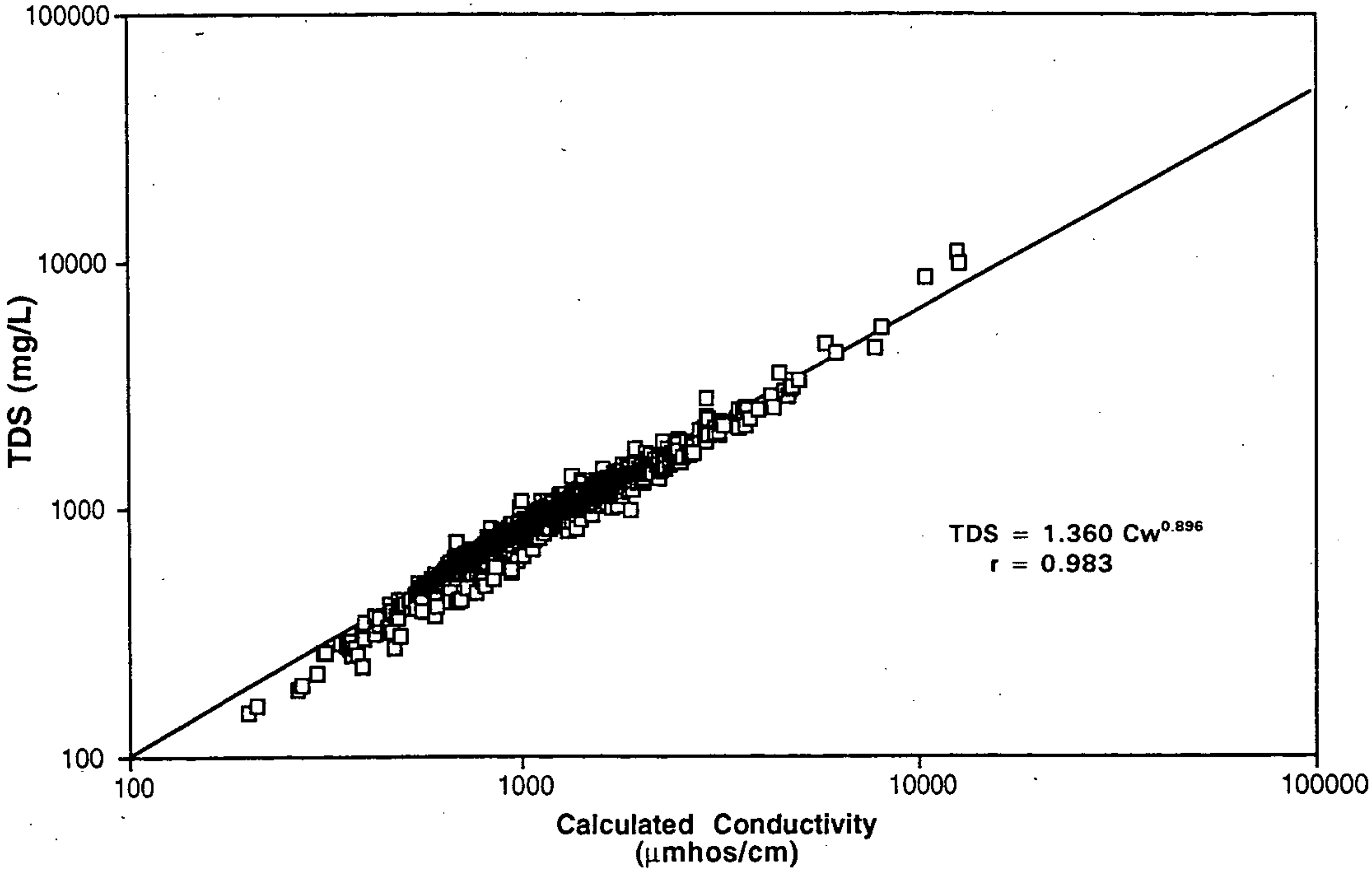

Figure 4-44. TDS-Cw graph of the Travis Peak & Twin Mountains aquifer. Cw is calculated conductivity.

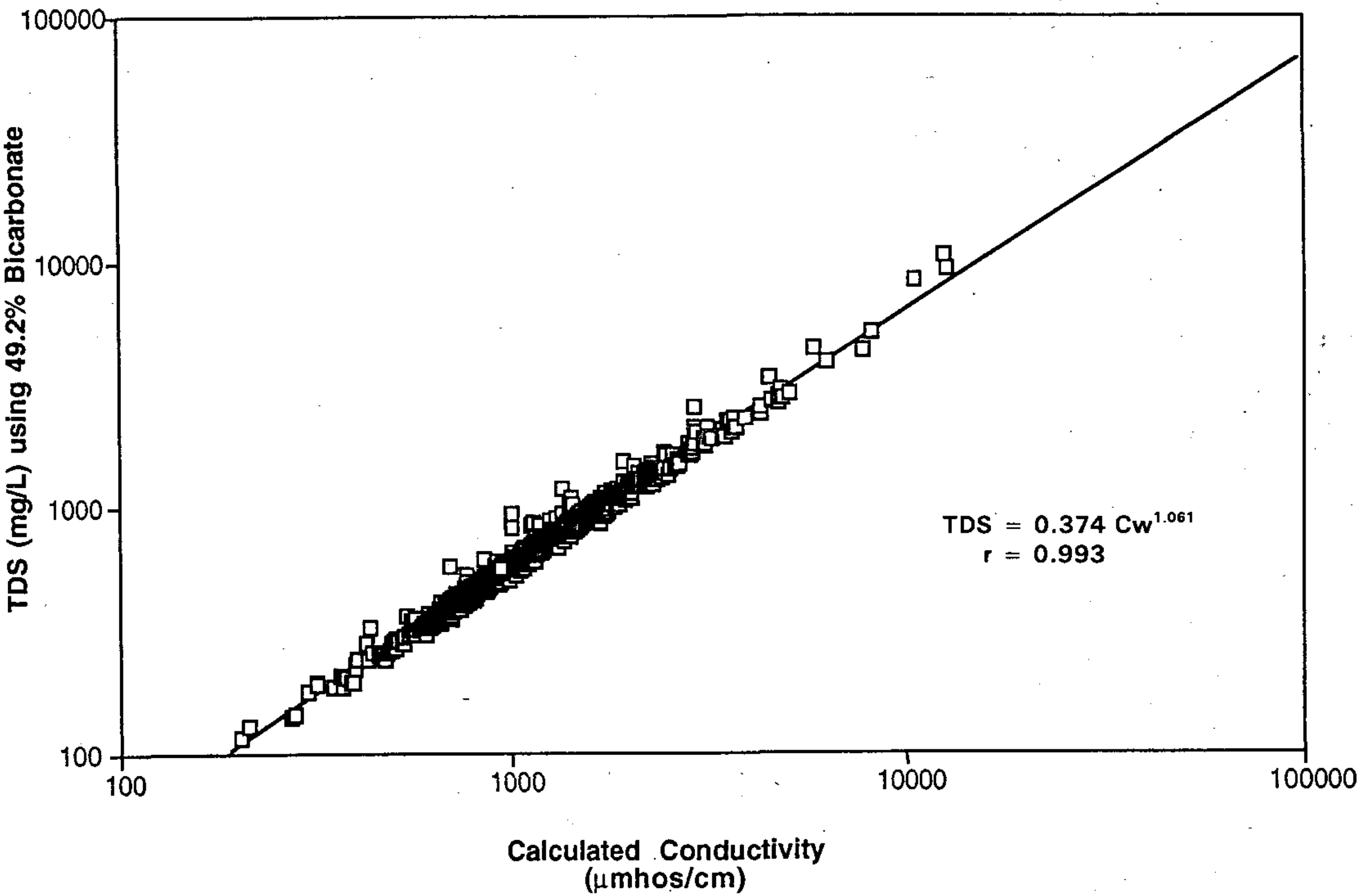

Figure 4-45. TDS-Cw graph of the Travis Peak & Twin Mountains aquifer. Cw is calculated conductivity and TDS includes only 49.2% of the bicarbonate value.

Ro-SUM TDS GRAPHS

Section 5

Ro-Sum TDS graphs were plotted for 48 counties. Sum TDS was calculated from water analyses in the Water-Quality Data Base (Section 1). The values are listed in Section 2 and are explained in the introduction to the section. When available, both Ro High (Ro_H) and Ro Low (Ro_L) were plotted. Ro values are from the Water-Quality Data Base in Section 1. They are also listed in Section 3, columns 12 and 13. The introduction to each section defines Ro_H and Ro_L. Ro values have not been corrected for borehole effects; neither have they been normalized to a common subsurface temperature.

The data were processed according to the guidelines outlined in the **Ro-TDS Graphs** section in Chapter 14, Volume I. No curve fitting routines were applied to the data because of the amount of scatter.

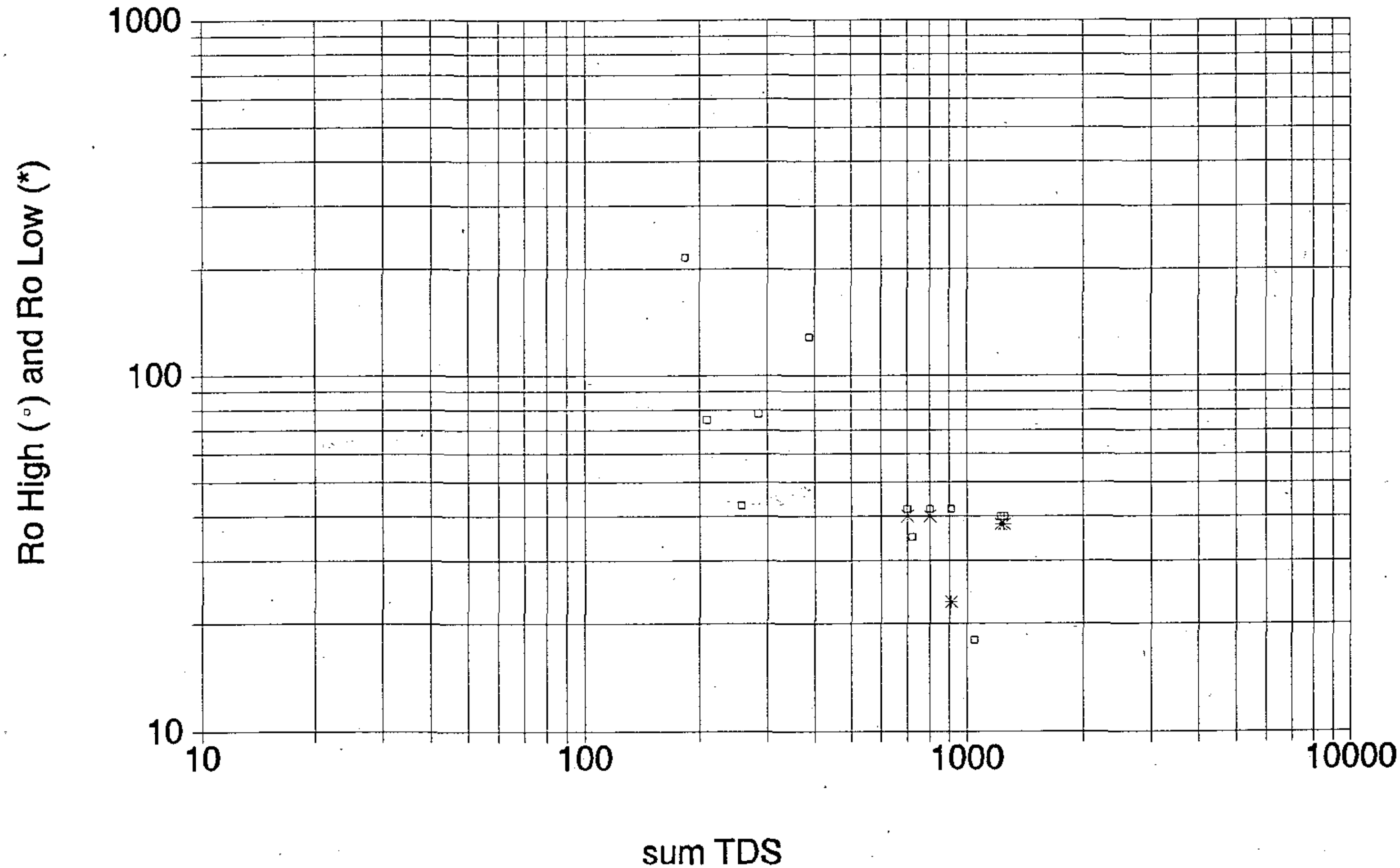

Figure 5-1. Ro-Sum TDS graph for Anderson County.

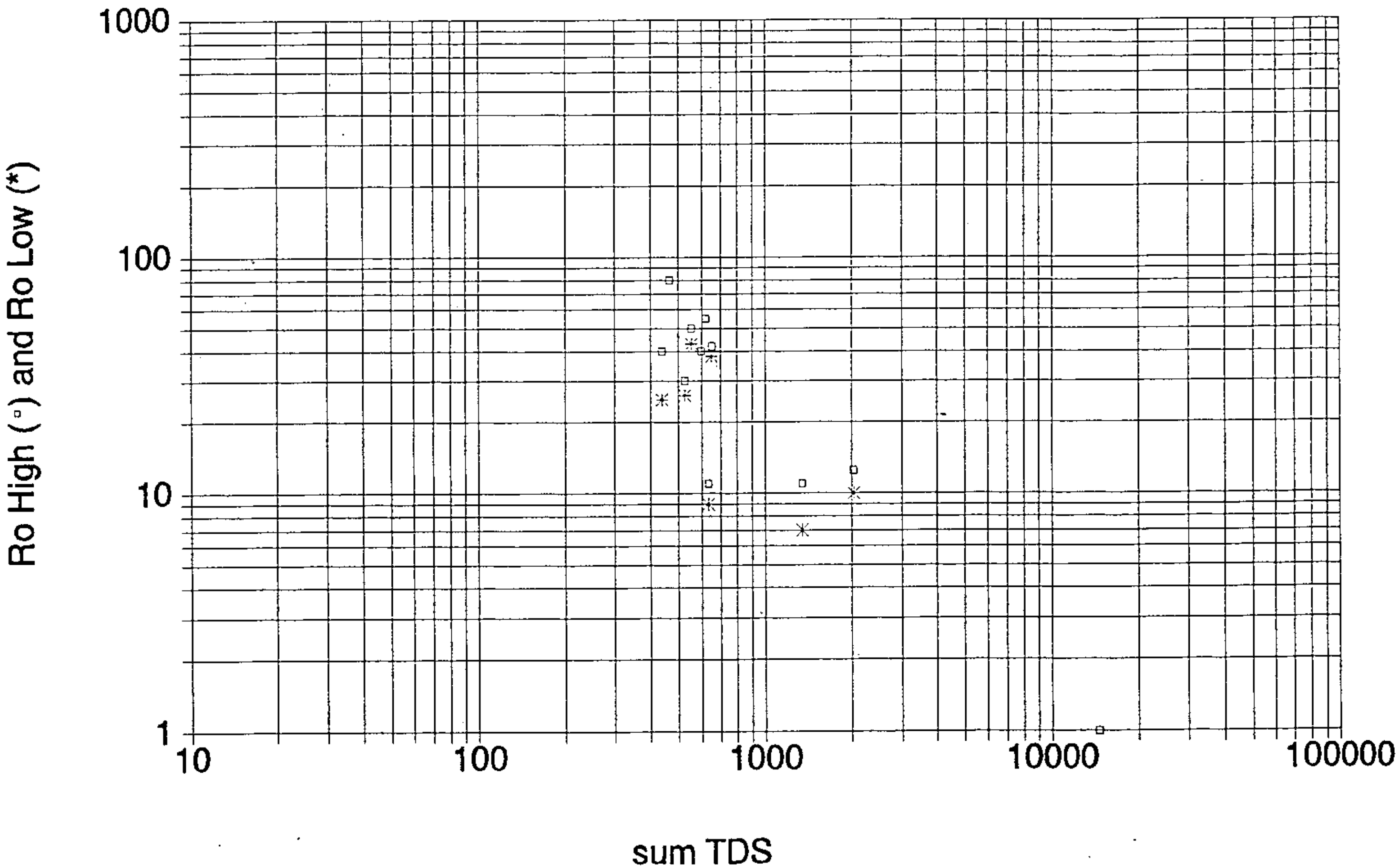

Figure 5-2. Ro-Sum TDS graph for Angelina County.

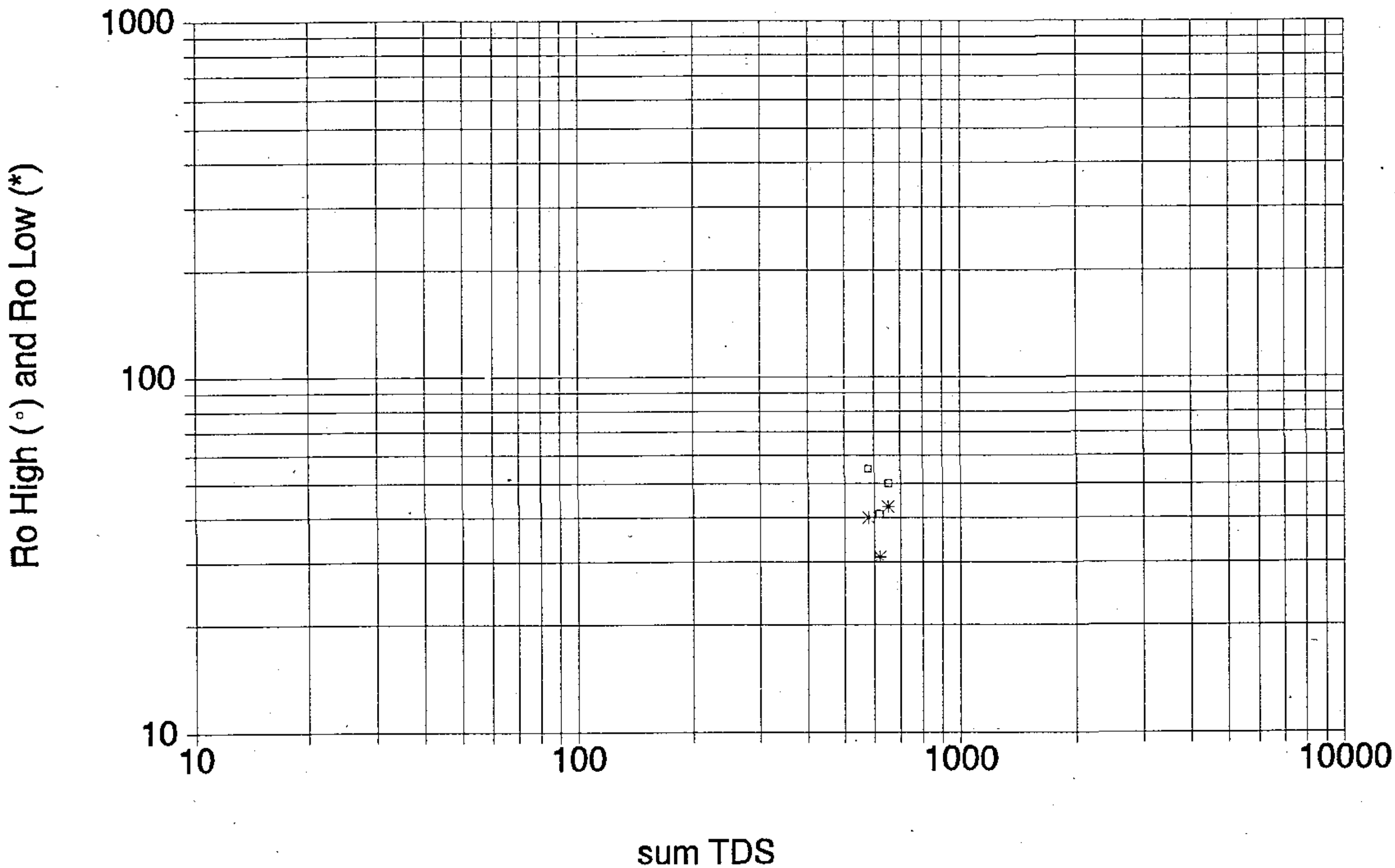

Figure 5-3. Ro-Sum TDS graph for Atascosa County.

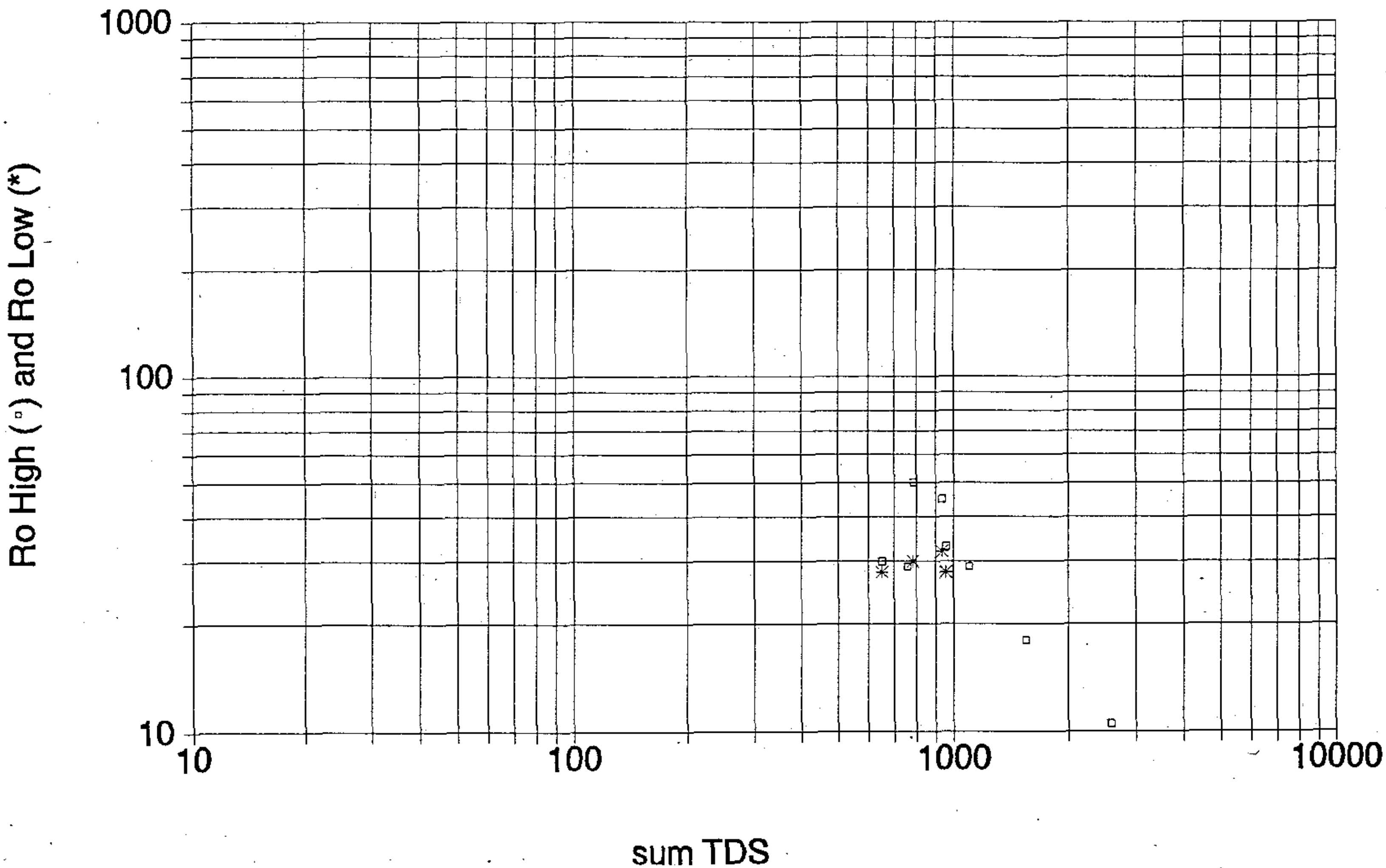

Figure 5-4. Ro-Sum TDS graph for Brazos County.

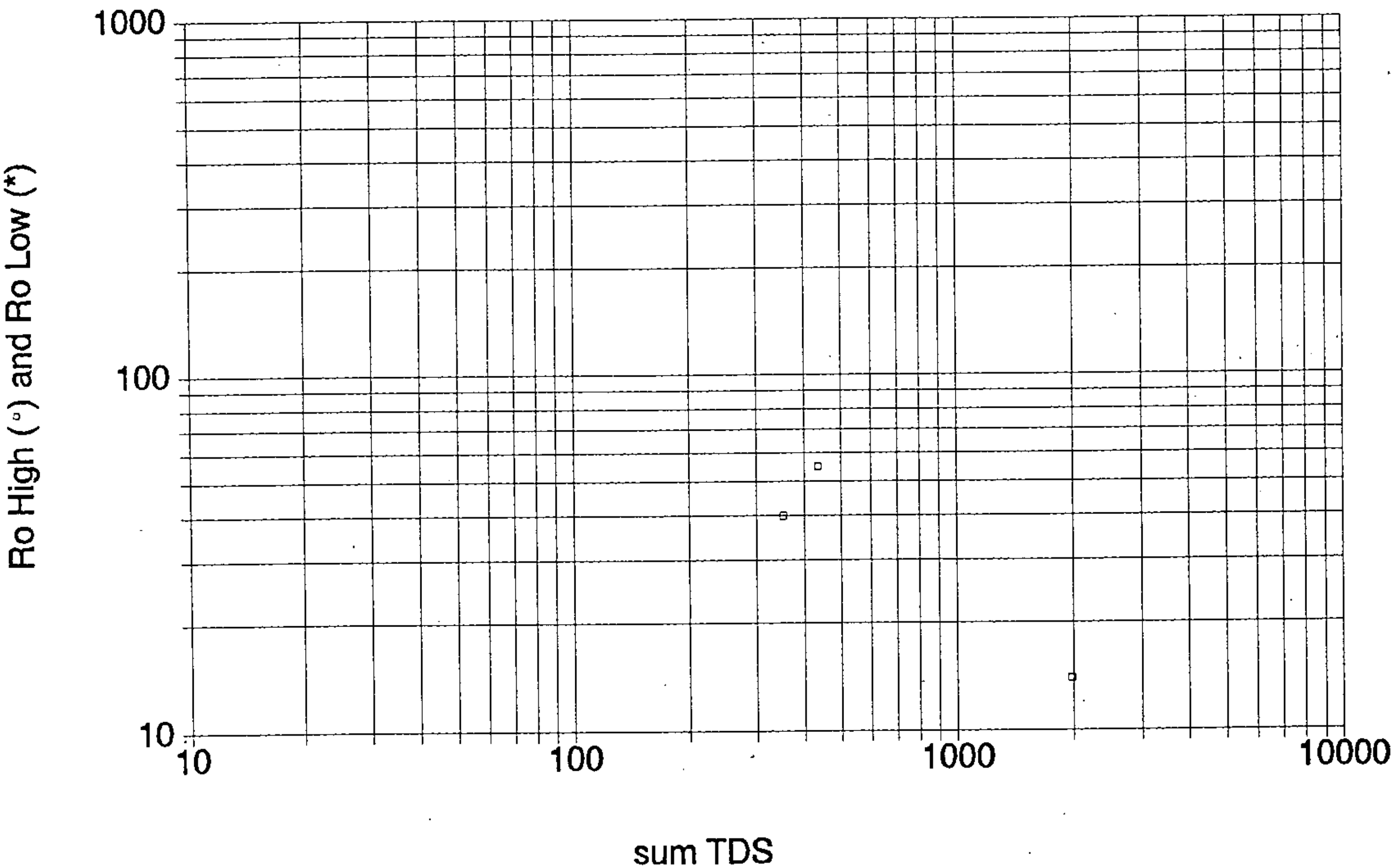

Figure 5-5. Ro-Sum TDS graph for Burleson County.

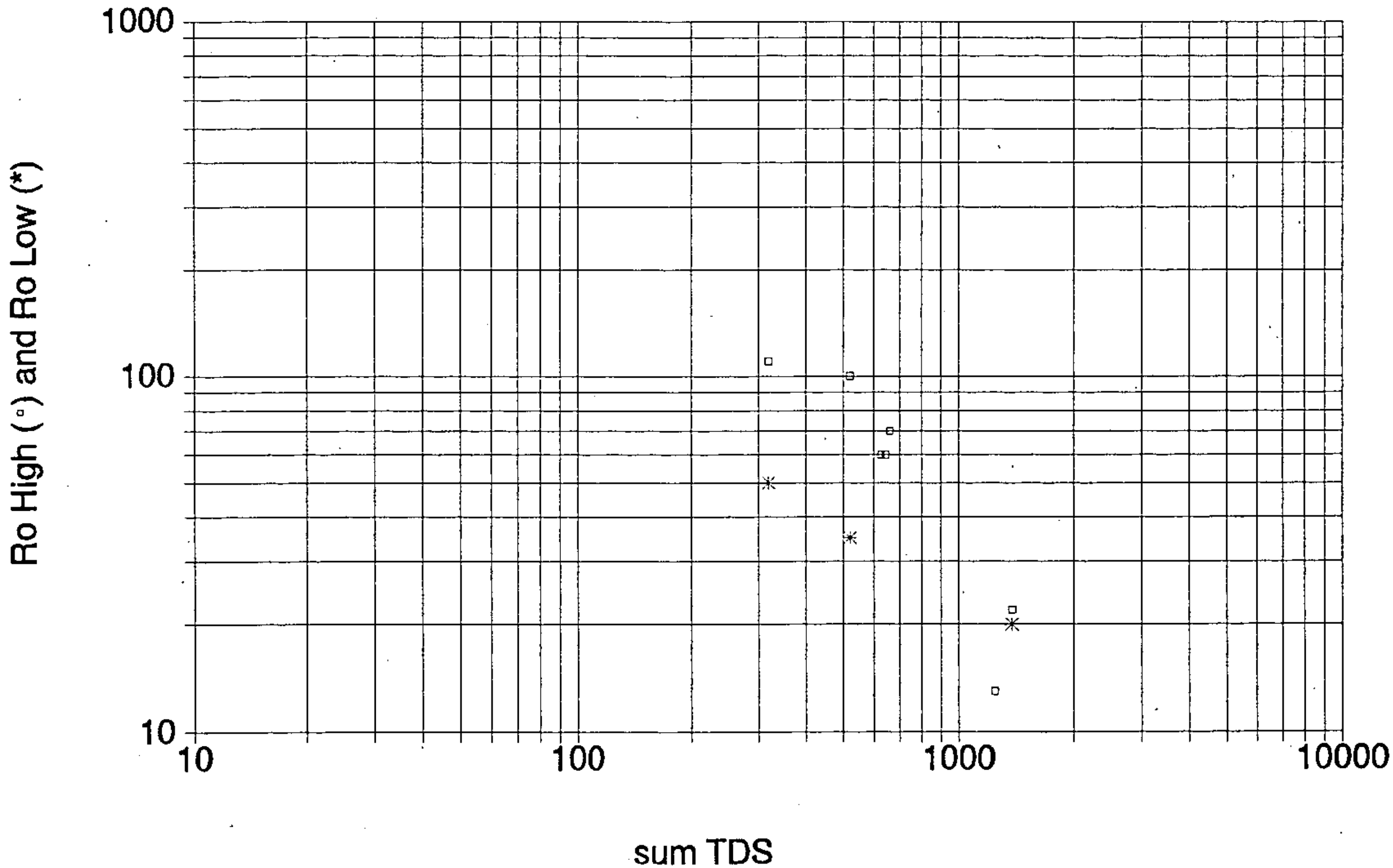

Figure 5-6. Ro-Sum TDS graph for Cherokee County.

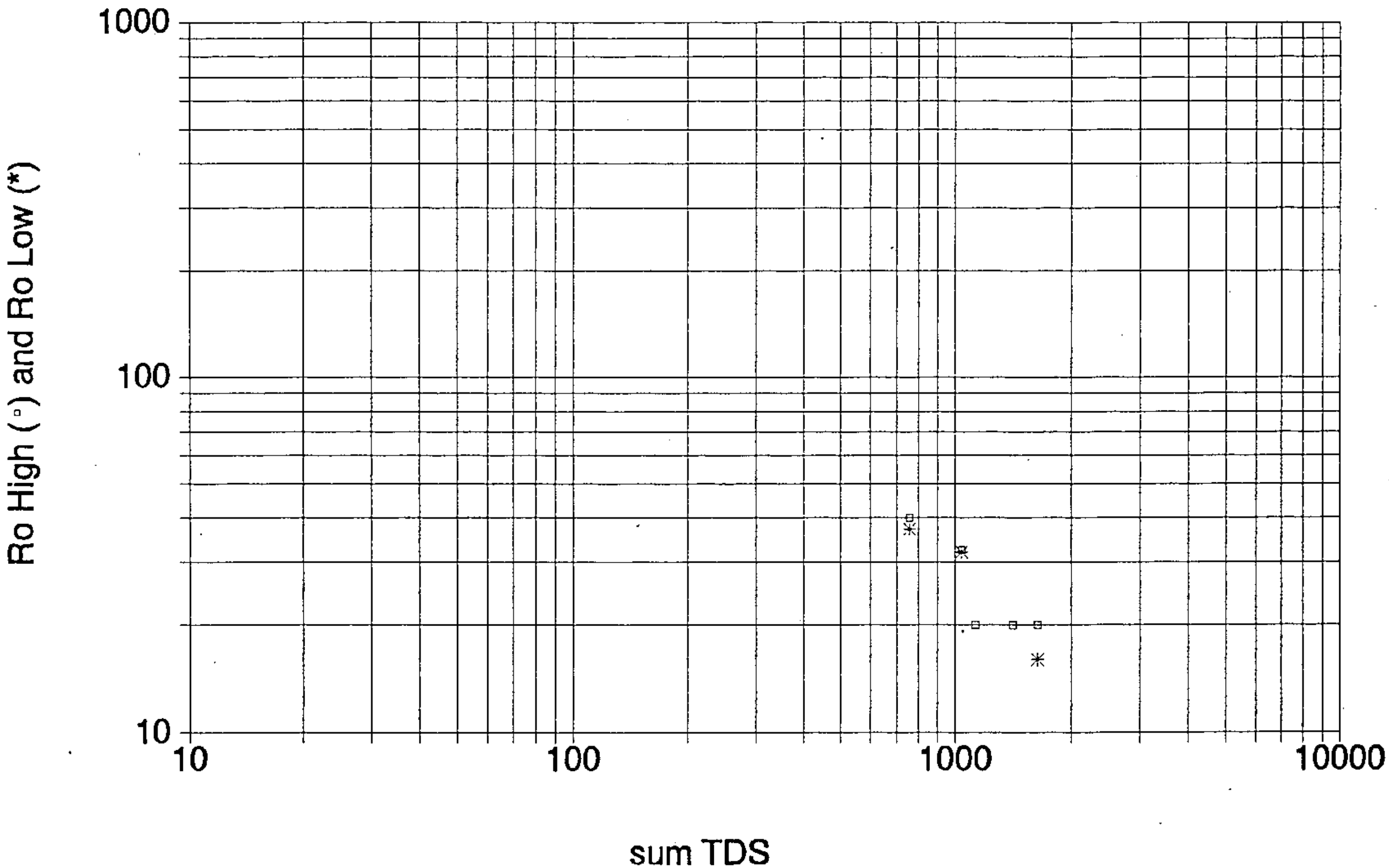

Figure 5-7. Ro-Sum TDS graph for Collin County.

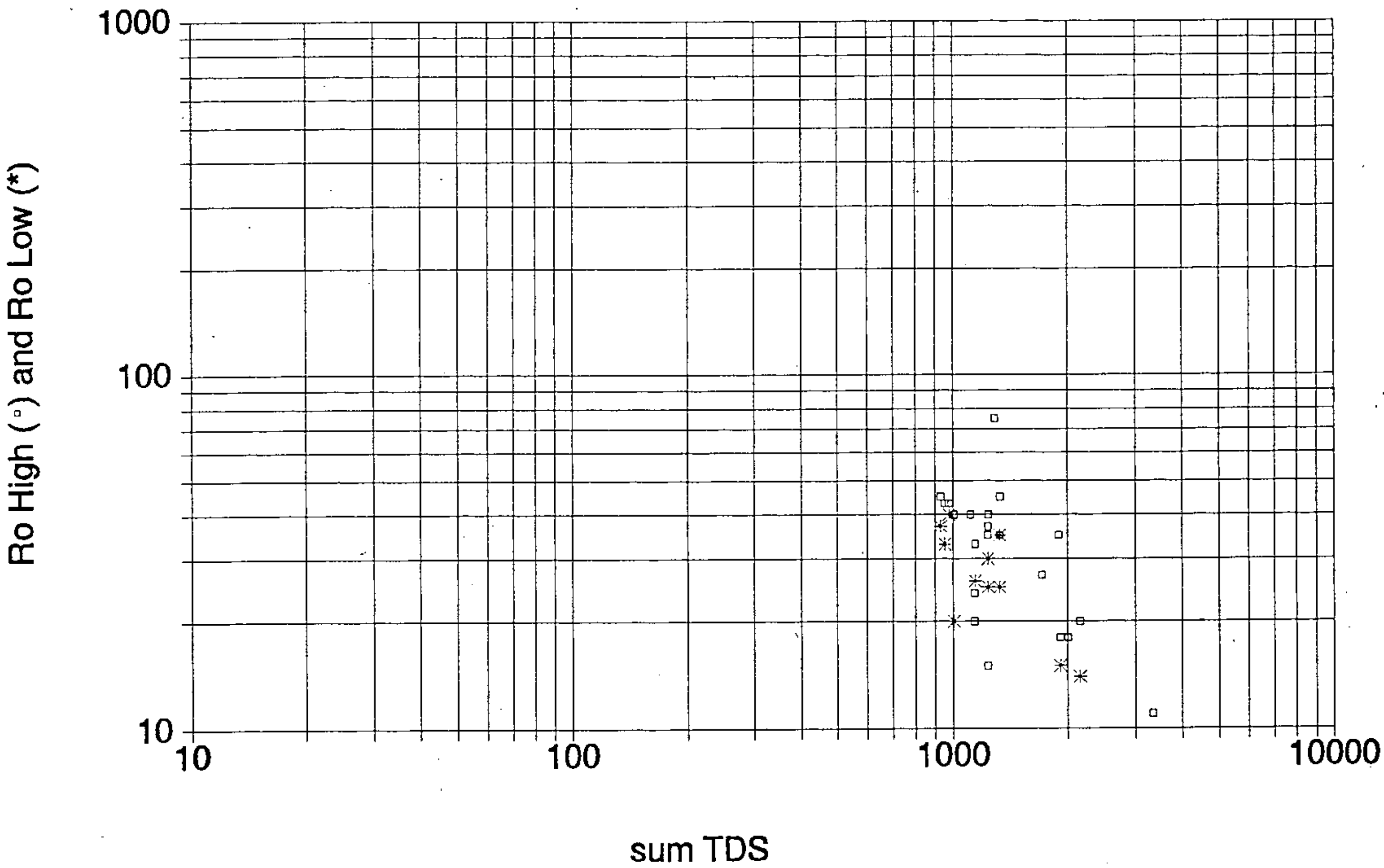

Figure 5-8. Ro-Sum TDS graph for Dallas County.

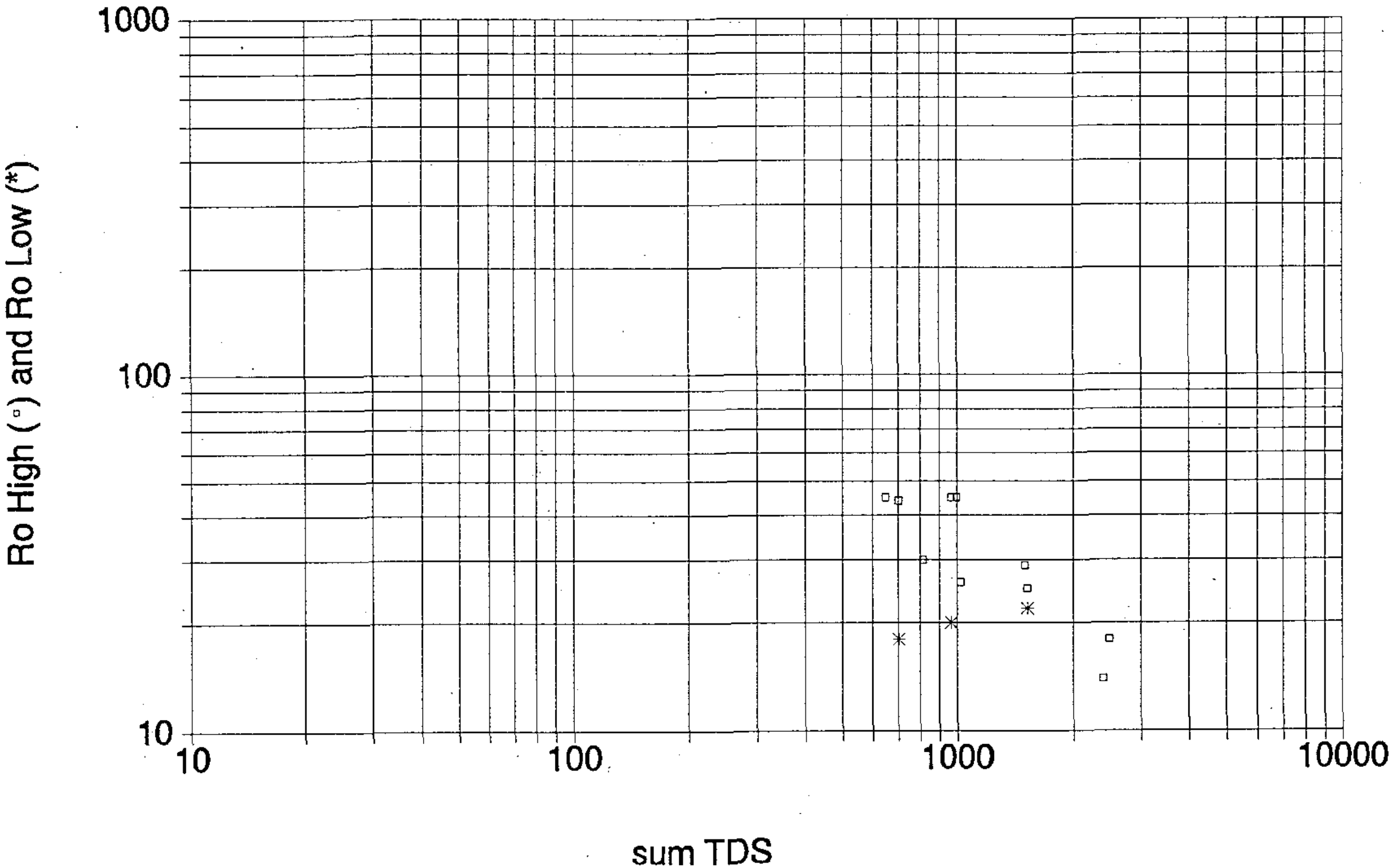

Figure 5-9. Ro-Sum TDS graph for Denton County.

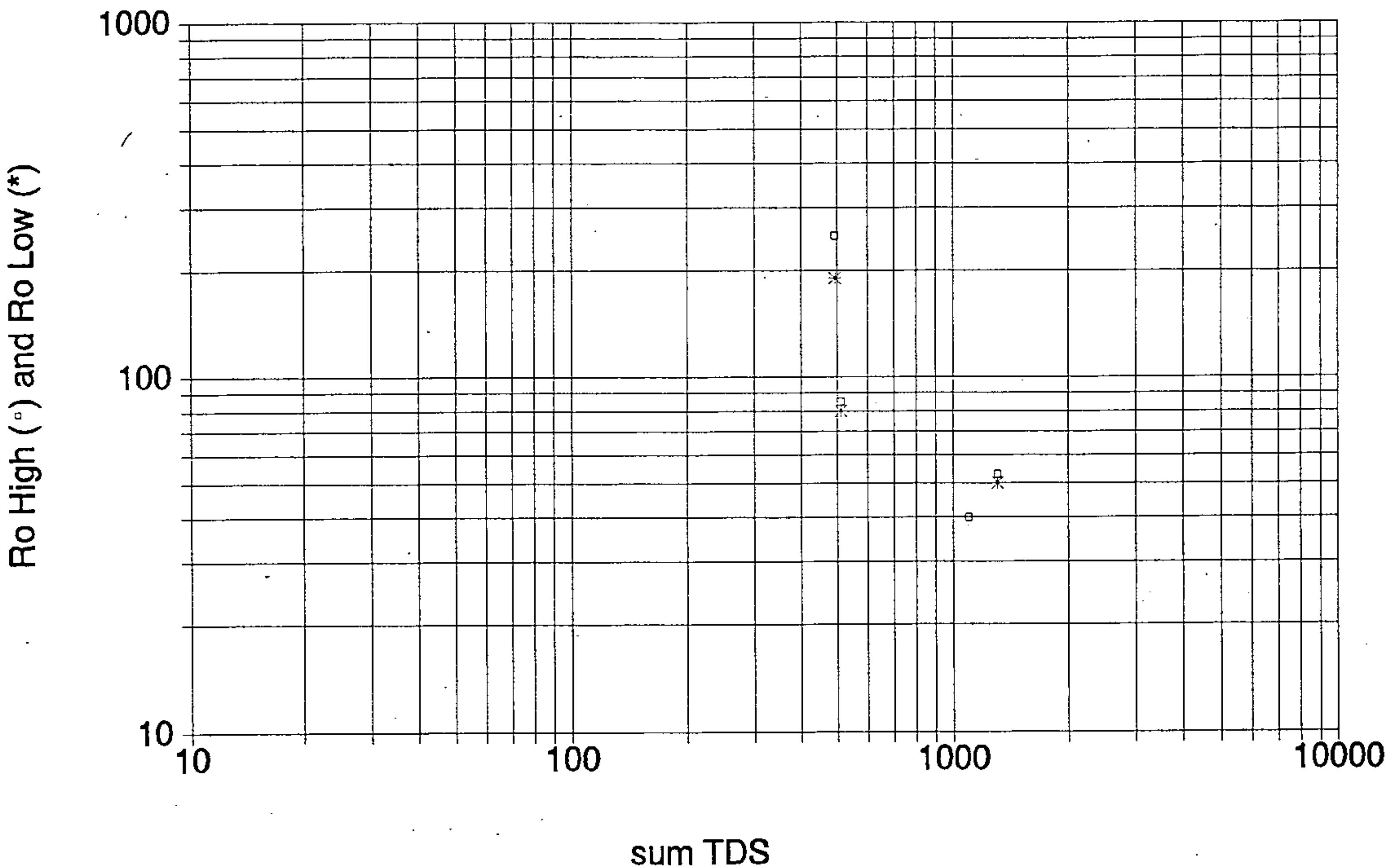

Figure 5-10. Ro-Sum TDS graph for Dimmit County.

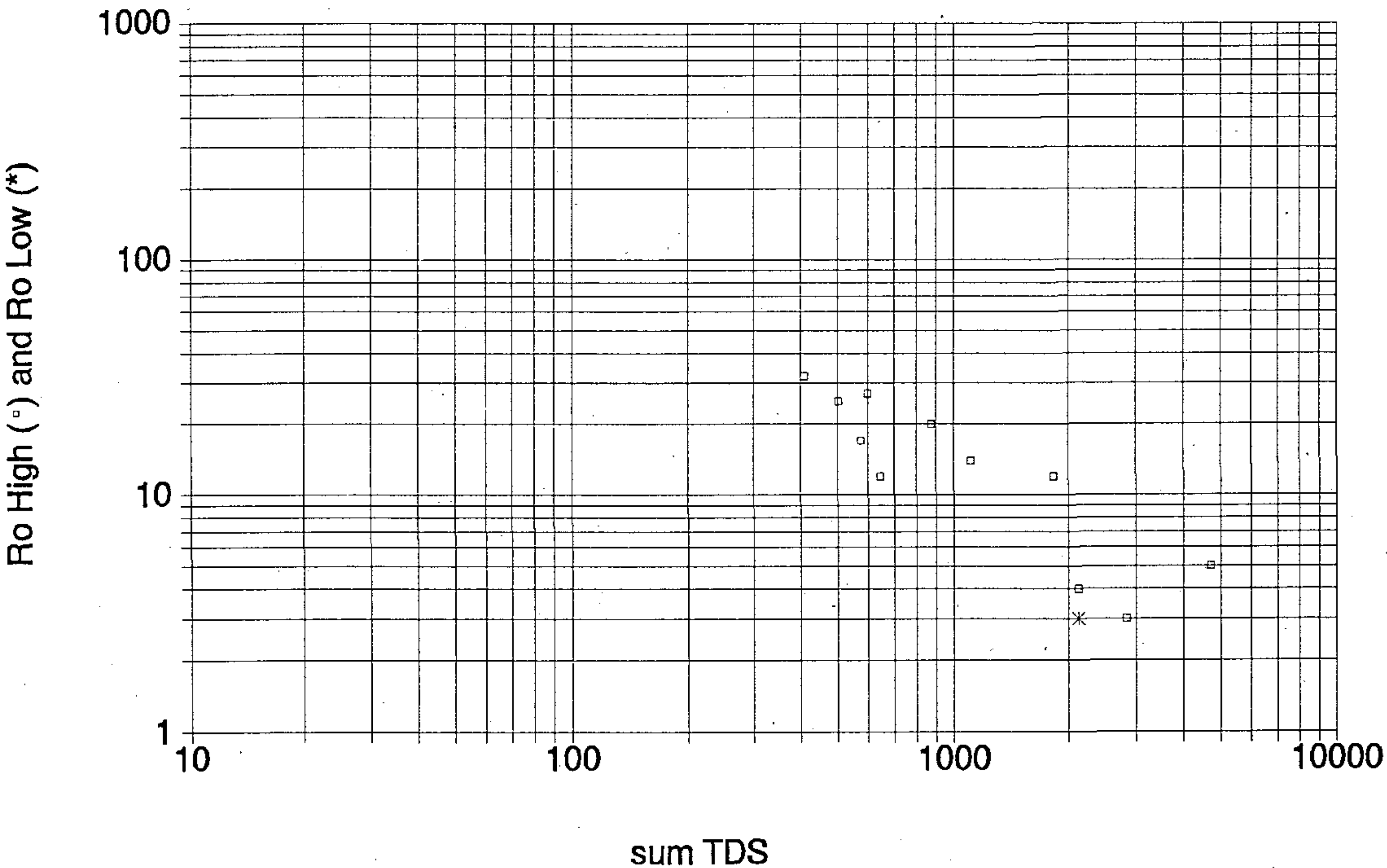

Figure 5-11. Ro-Sum TDS graph for El Paso County.

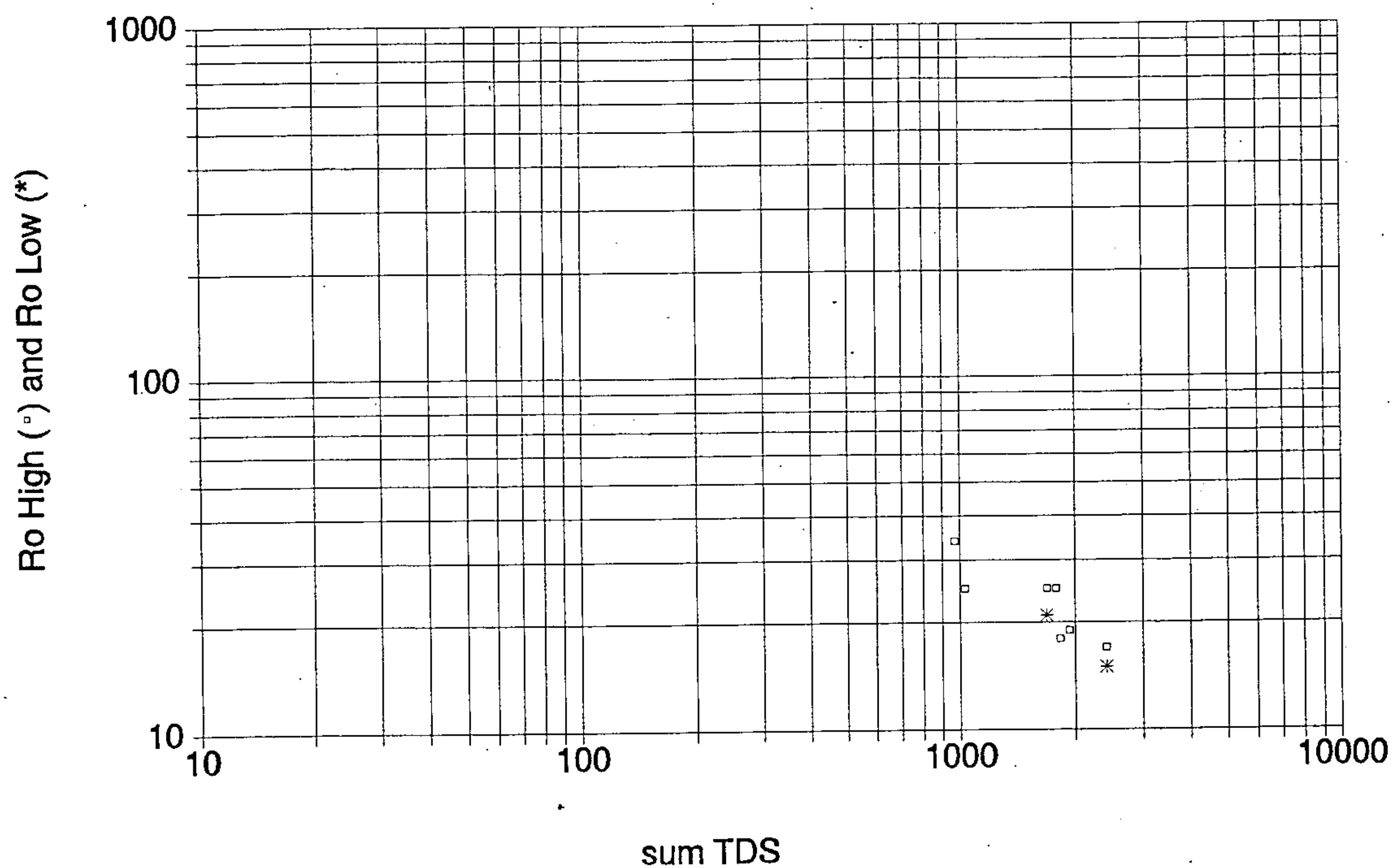

Figure 5-12. Ro-Sum TDS graph for Ellis County.

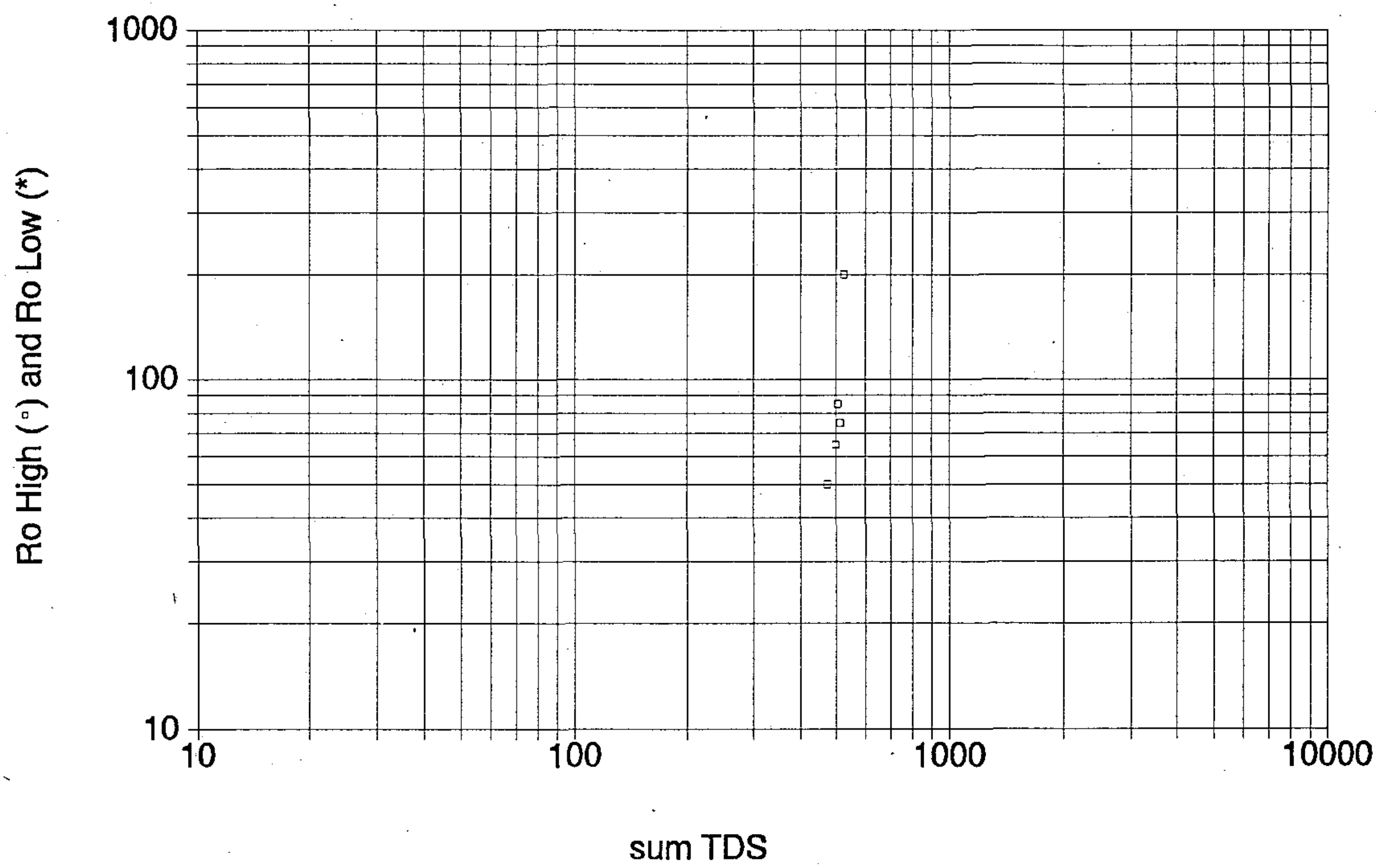

Figure 5-13. Ro-Sum TDS graph for Erath County.

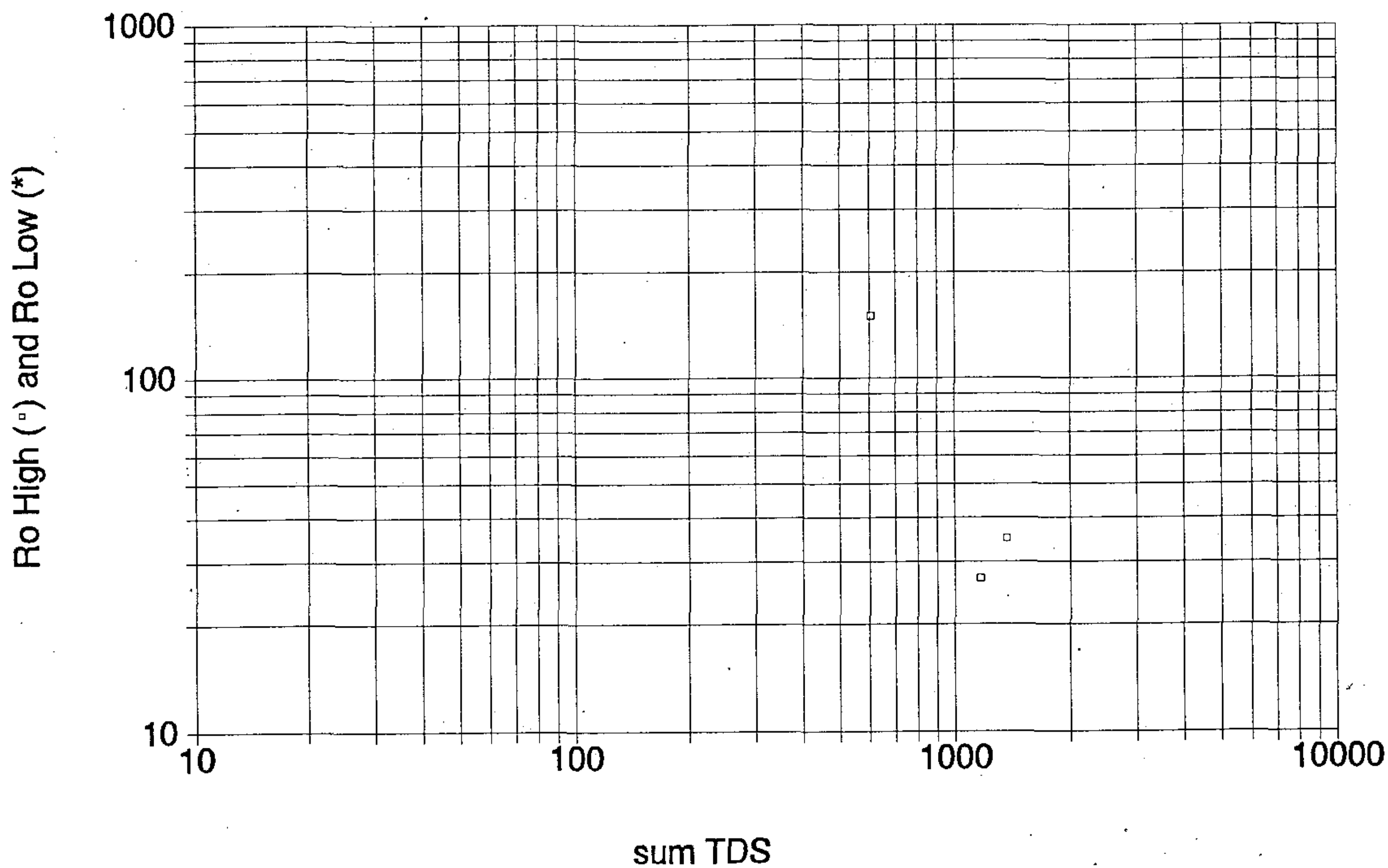

Figure 5-14. Ro-Sum TDS graph for Fannin County.

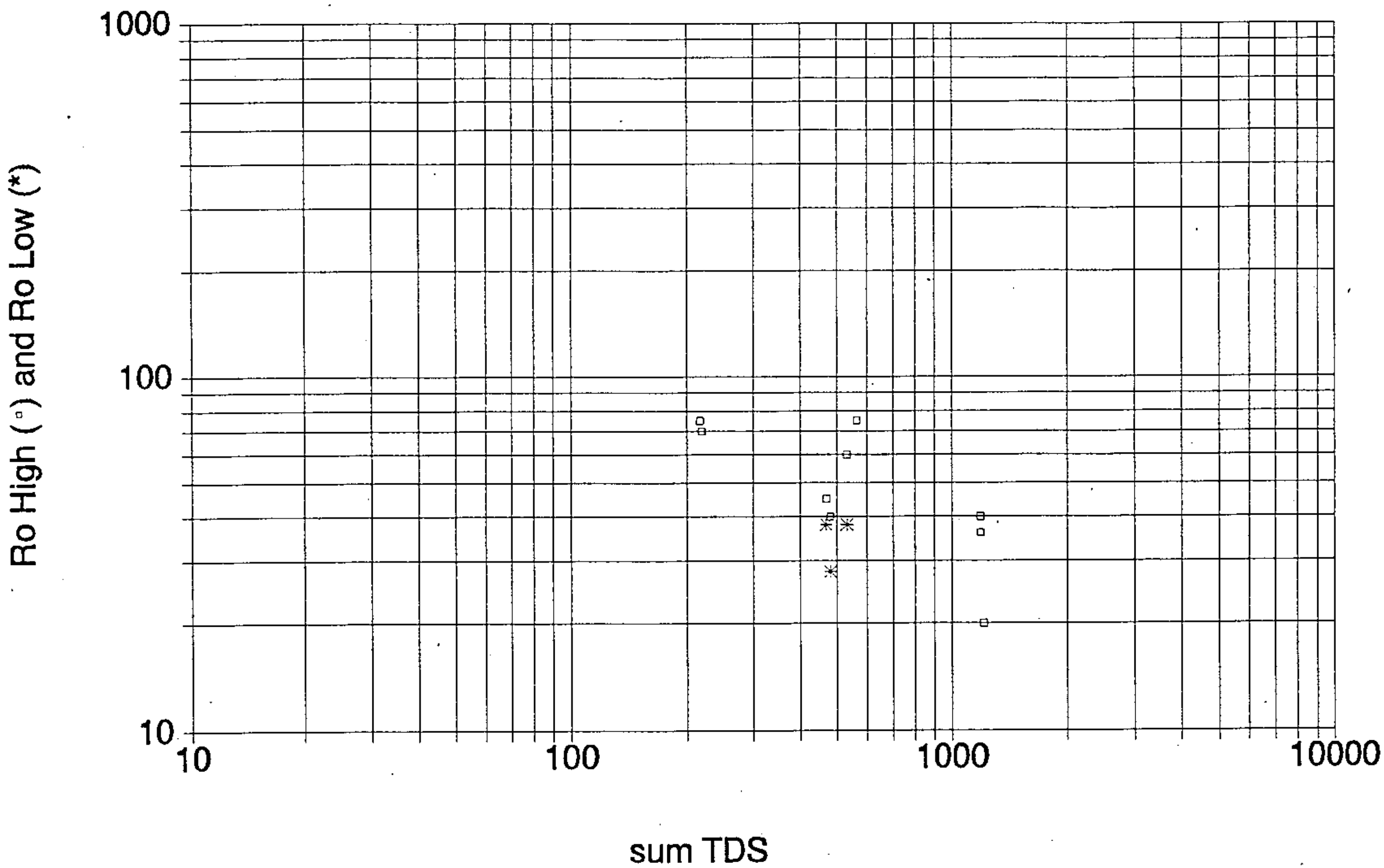

Figure 5-15. Ro-Sum TDS graph for Freestone County.

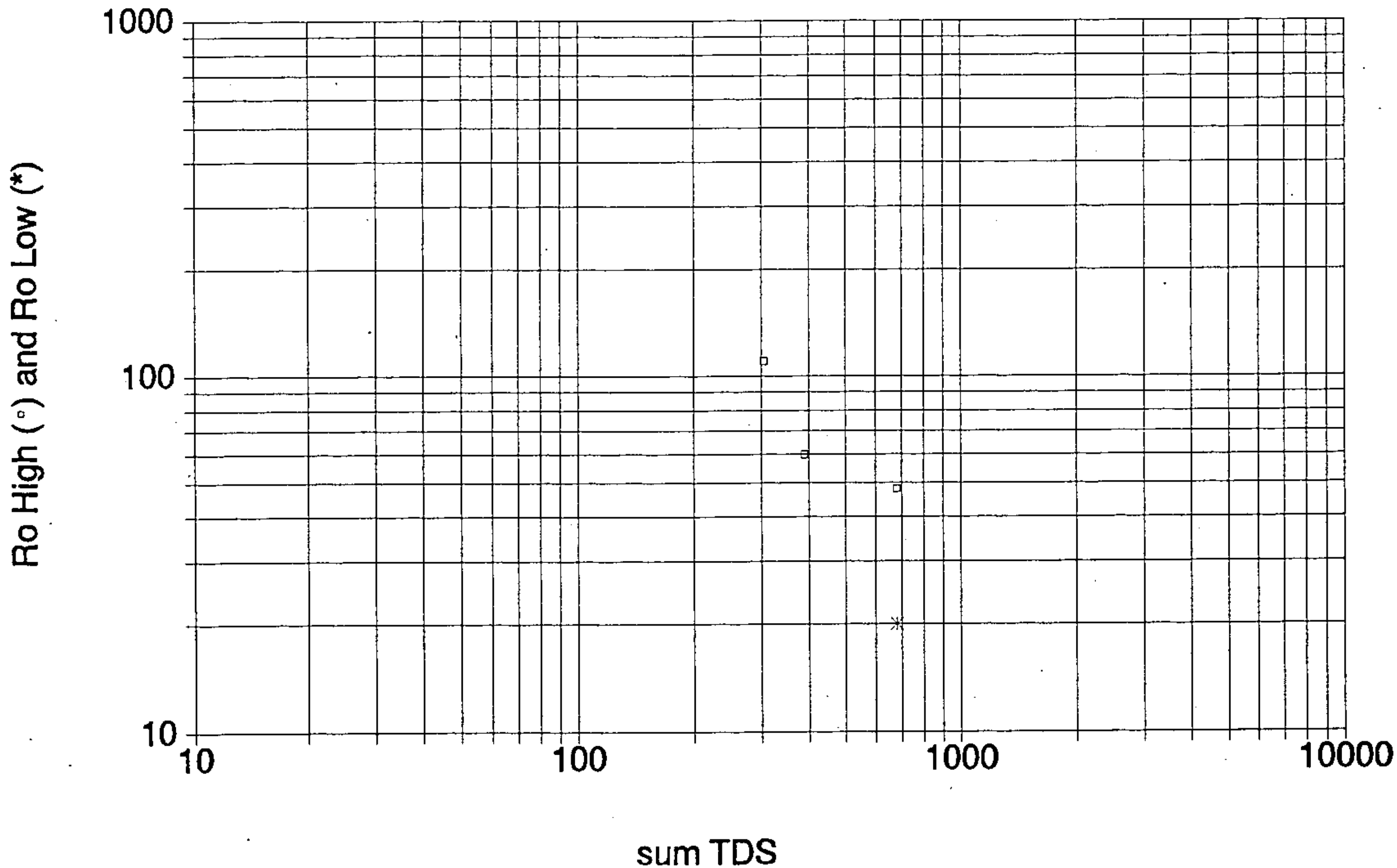

Figure 5-16. Ro-Sum TDS graph for Gonzales County.

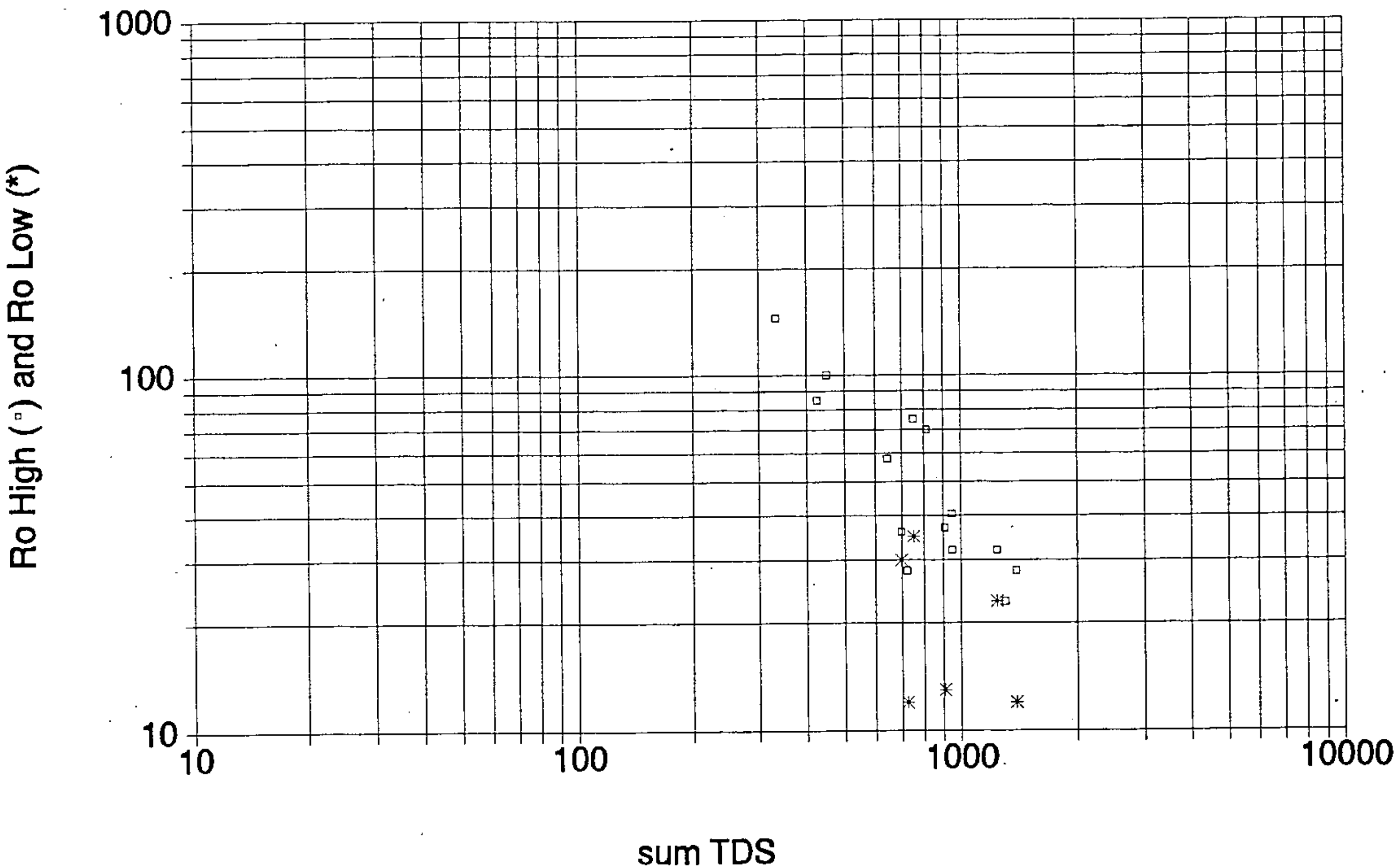

Figure 5-17. Ro-Sum TDS graph for Grayson County.

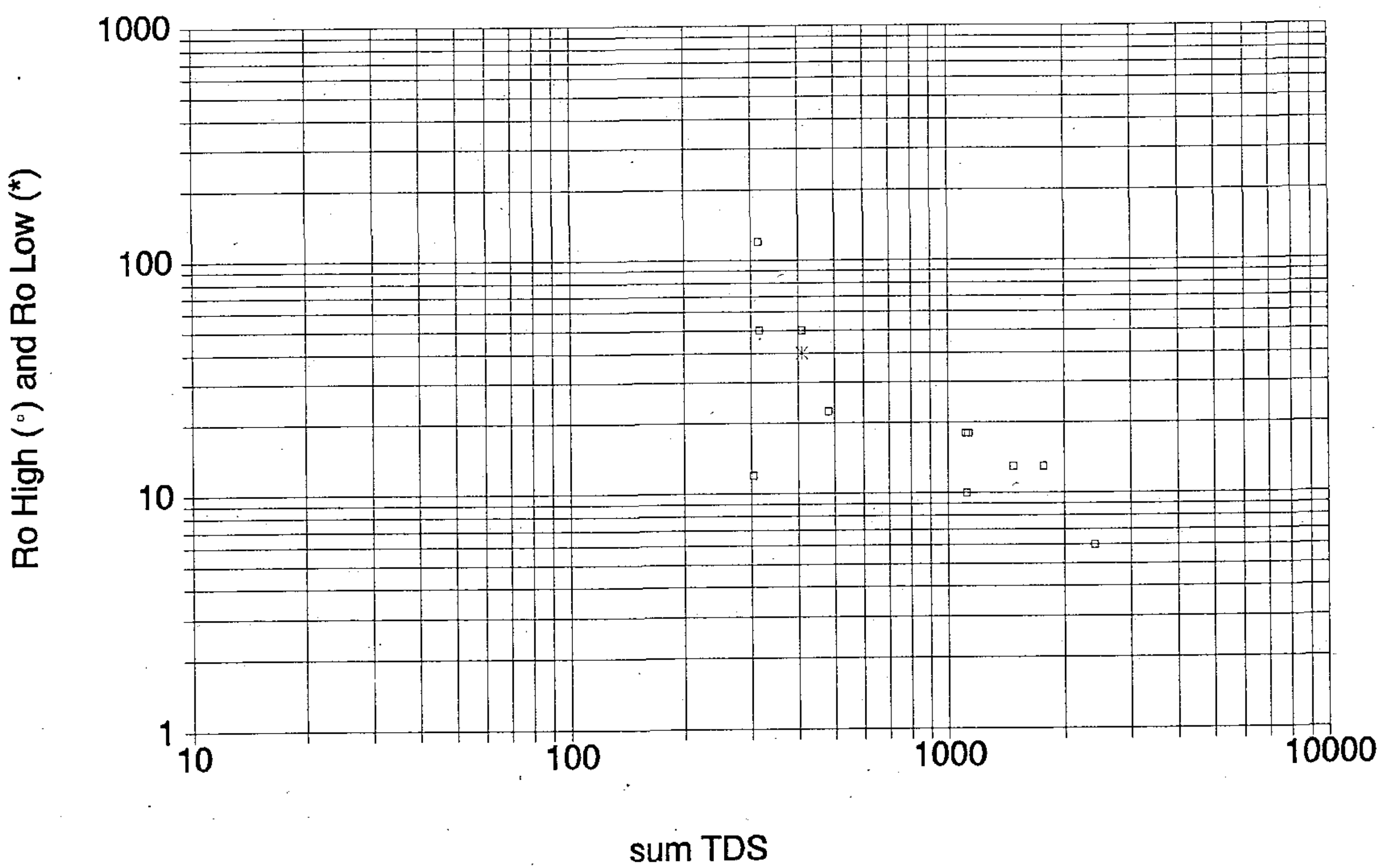

Figure 5-18. Ro-Sum TDS graph for Gregg County.

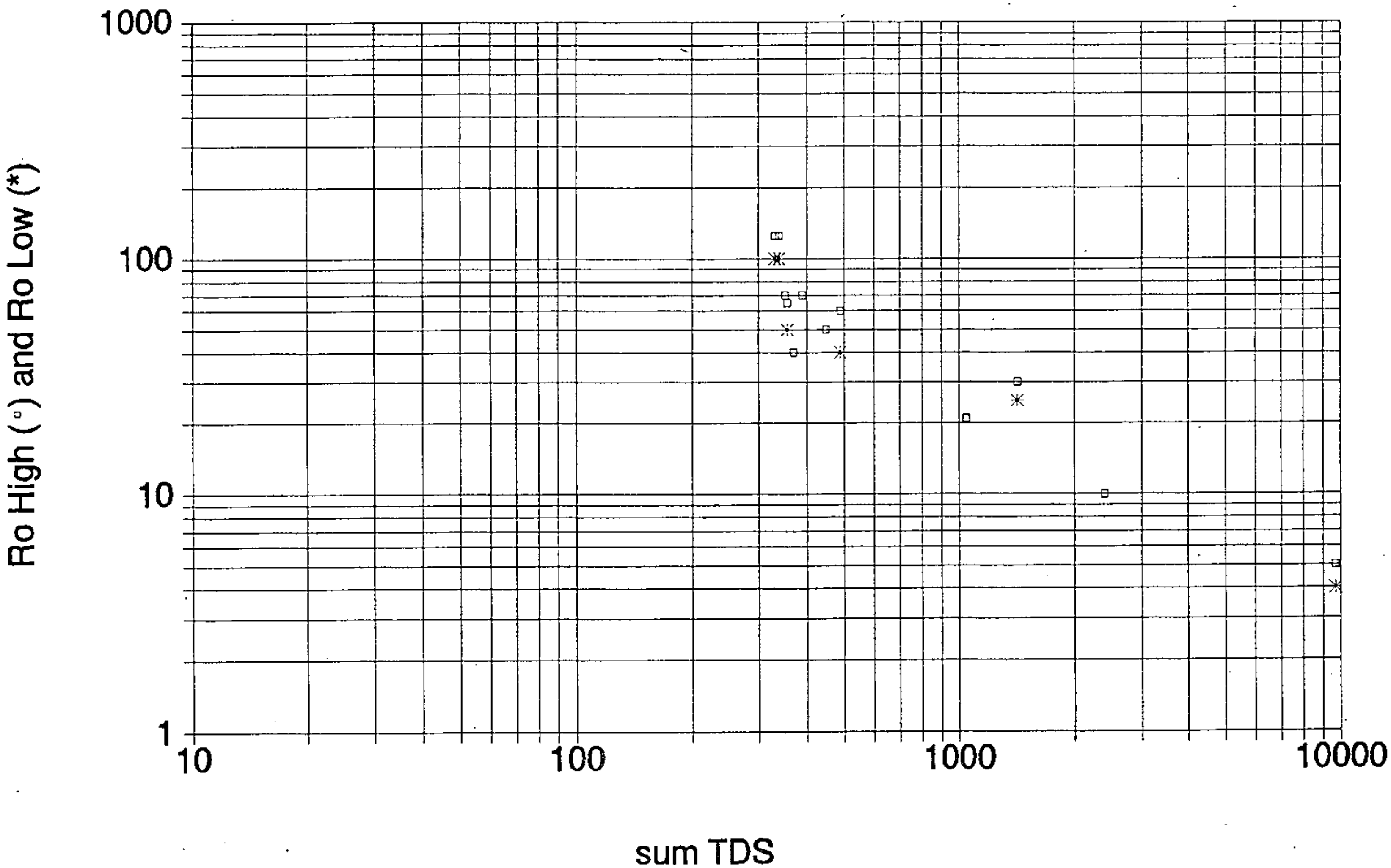

Figure 5-19. Ro-Sum TDS graph for Harris County.

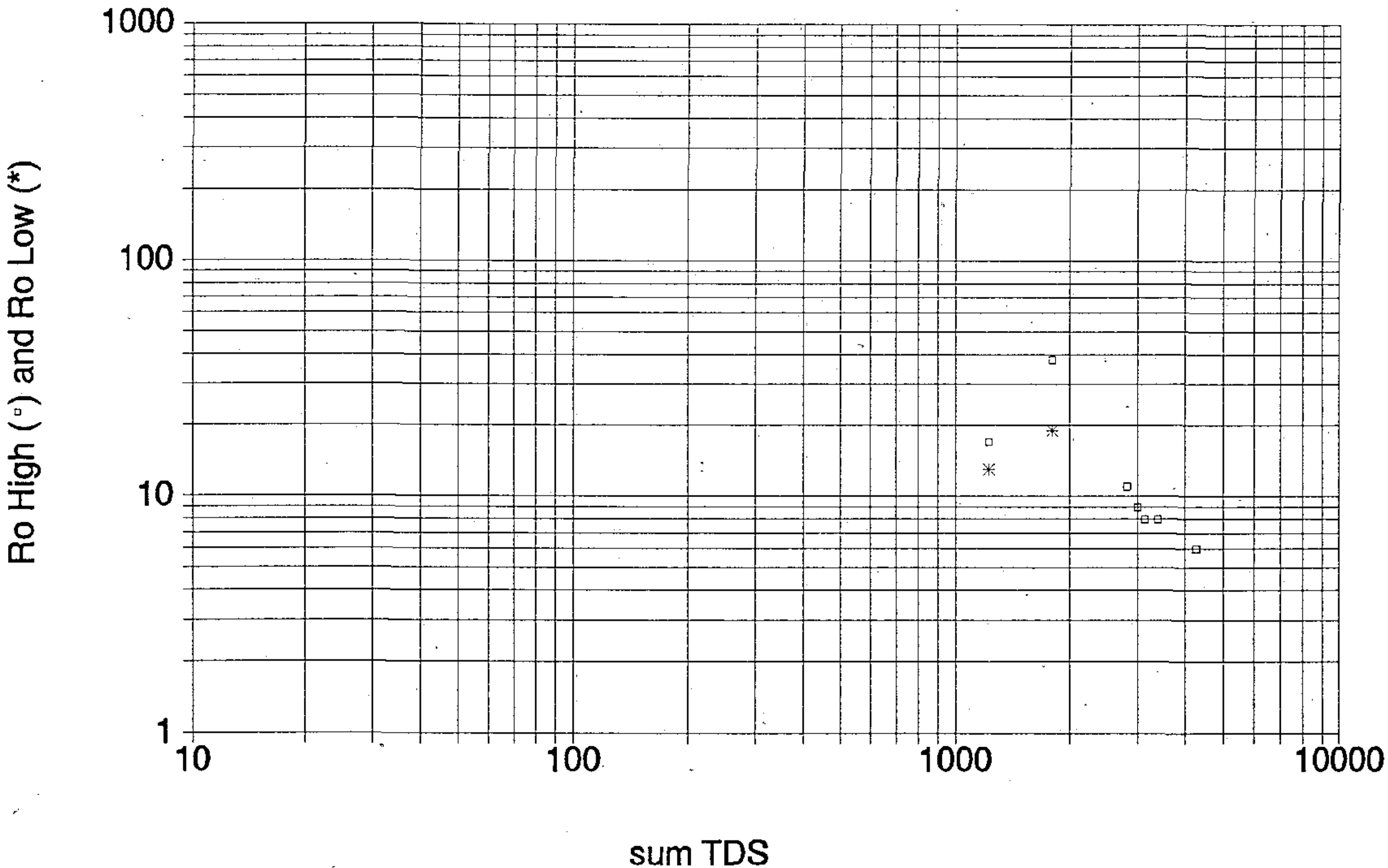

Figure 5-20. Ro-Sum TDS graph for Hidalgo County.

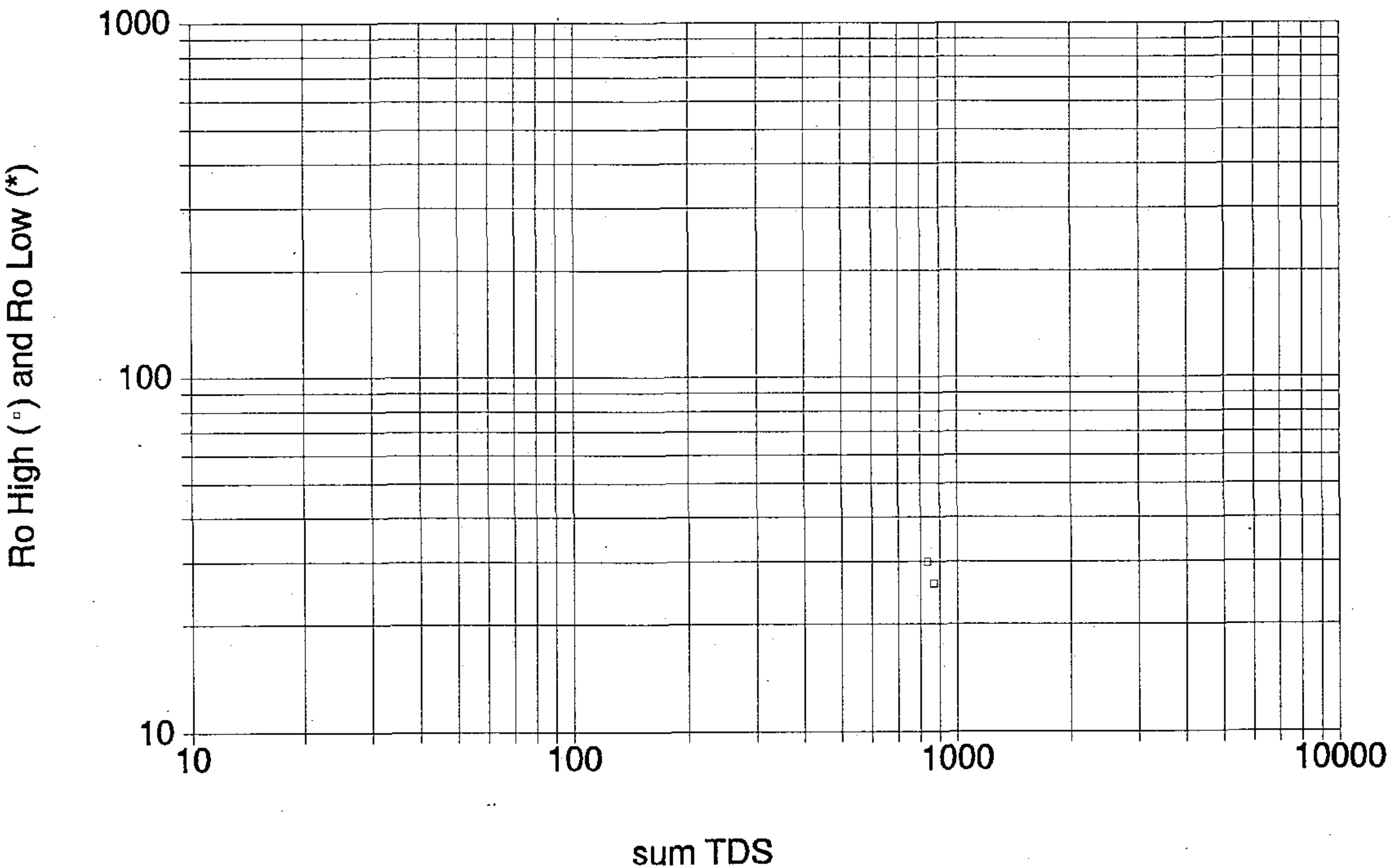

Figure 5-21. Ro-Sum TDS graph for Hill County.

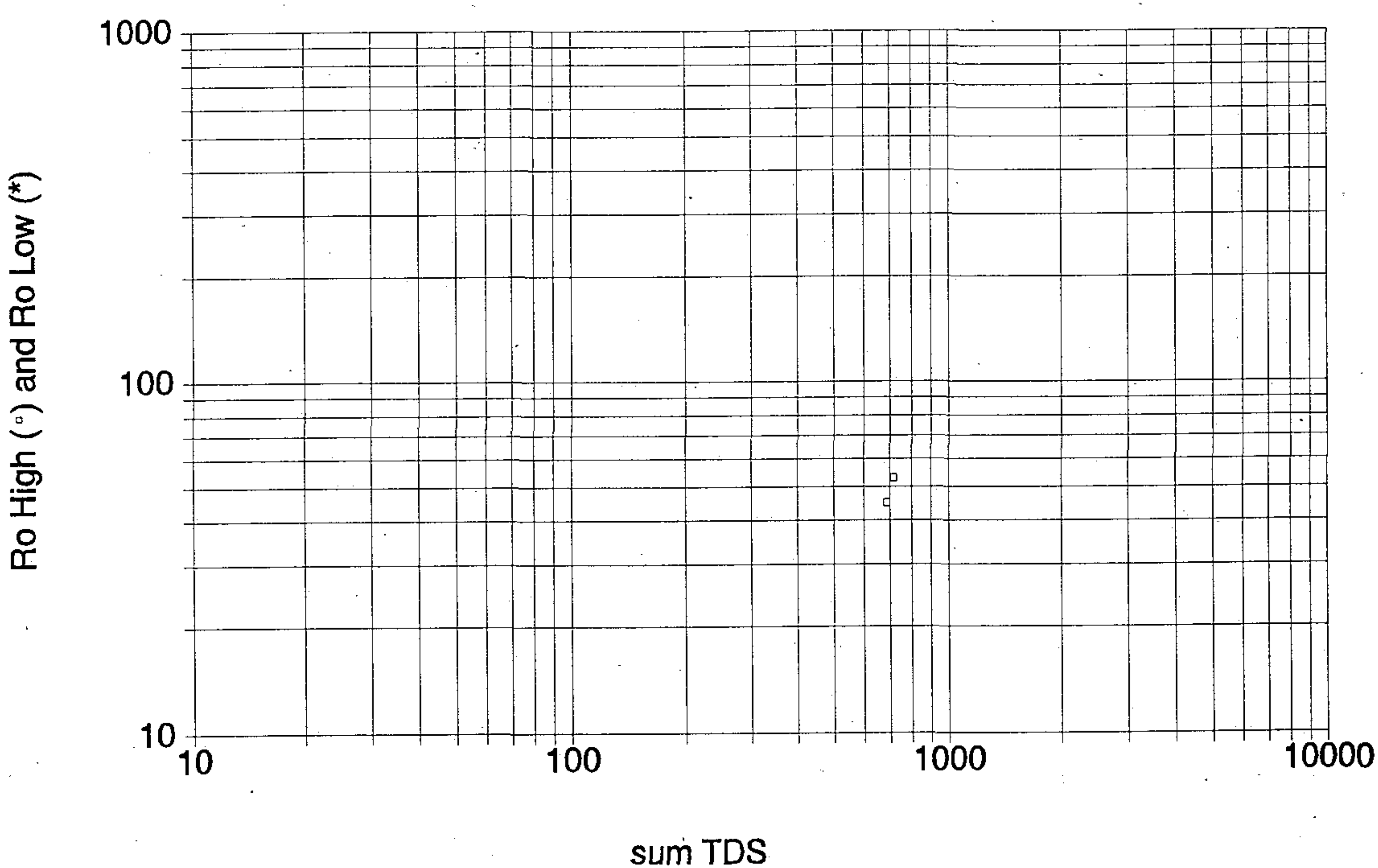

Figure 5-22. Ro-Sum TDS graph for Hood County.

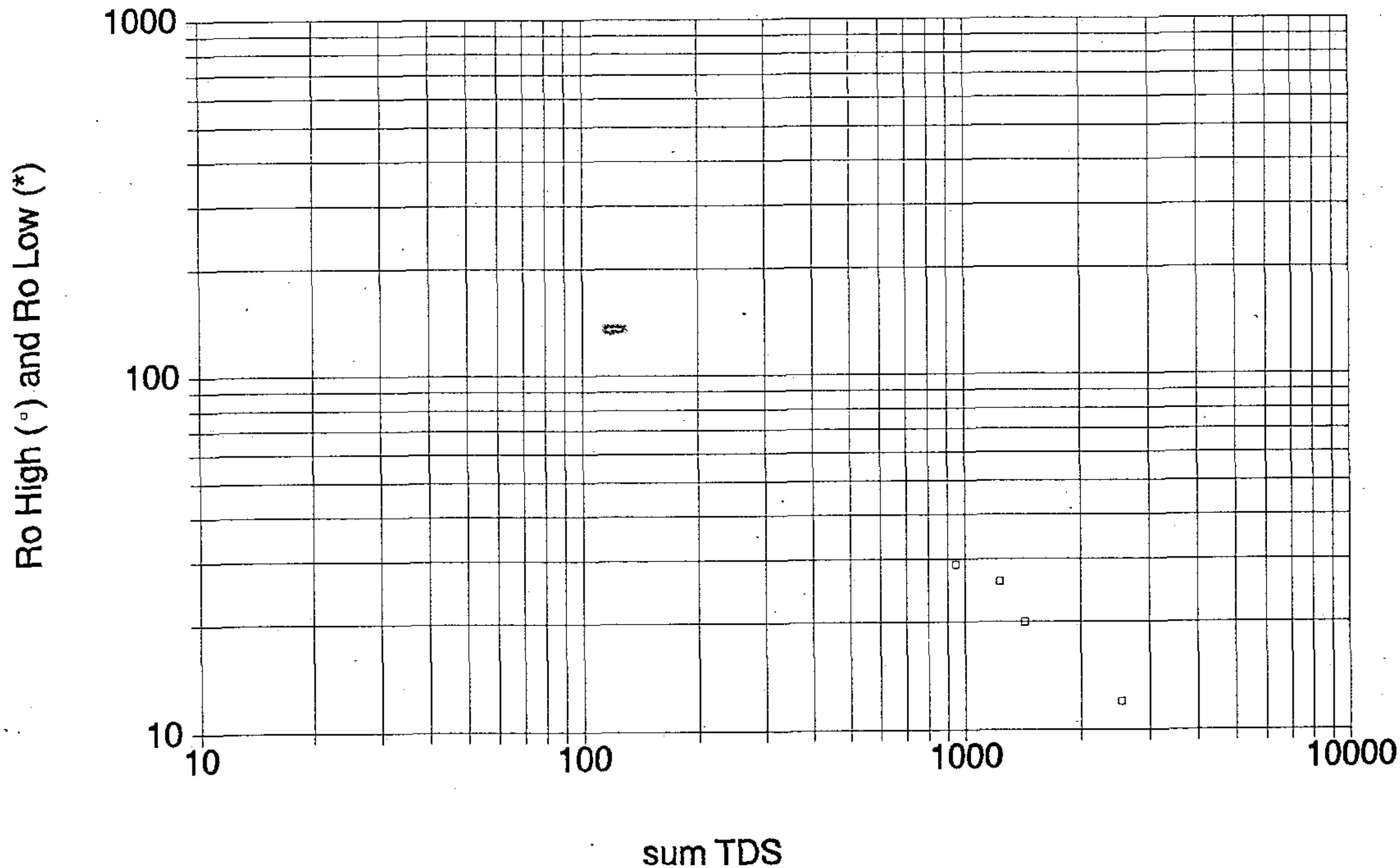

Figure 5-23. Ro-Sum TDS graph for Hunt County.

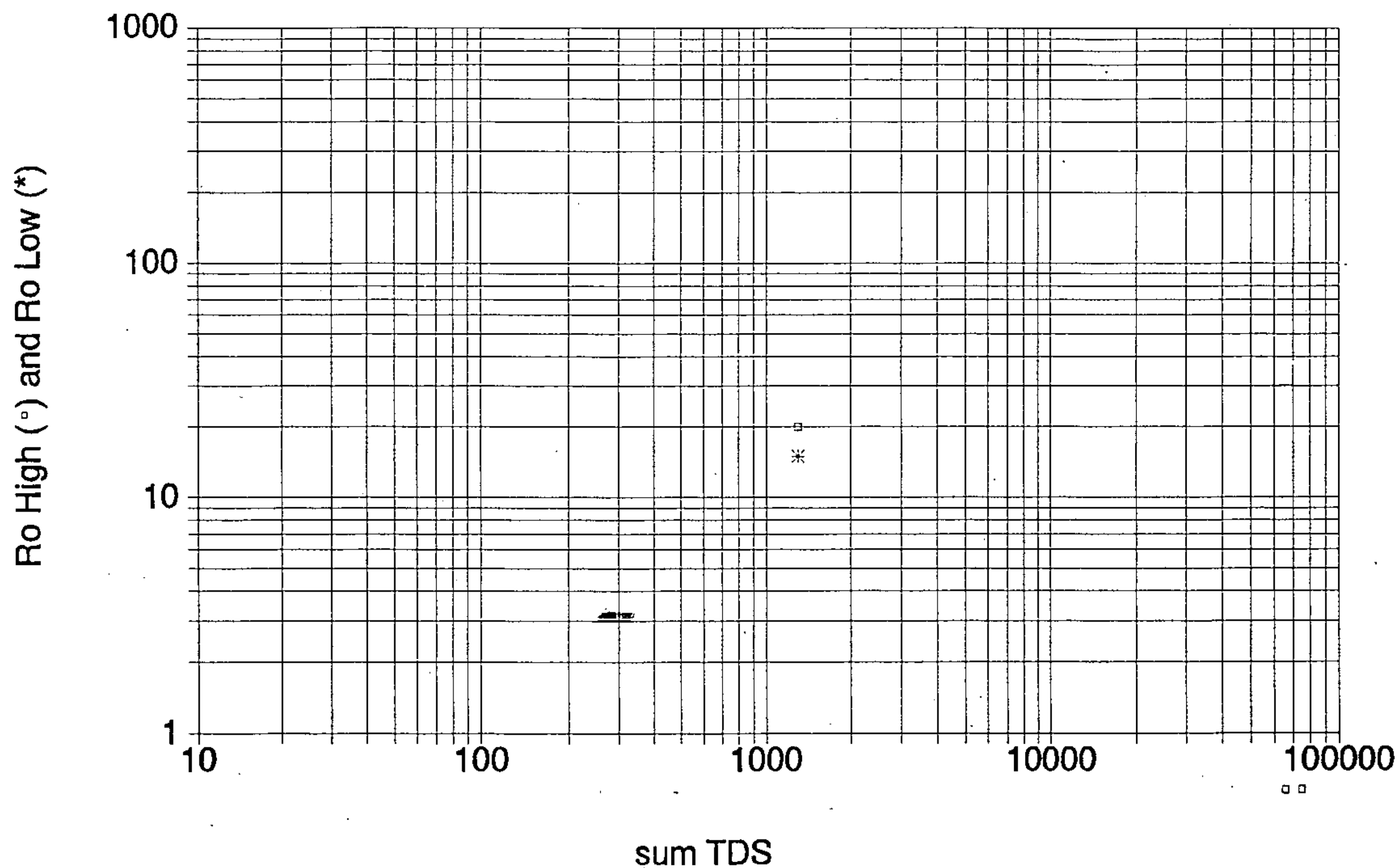

Figure 5-24. Ro-Sum TDS graph for Jackson County.

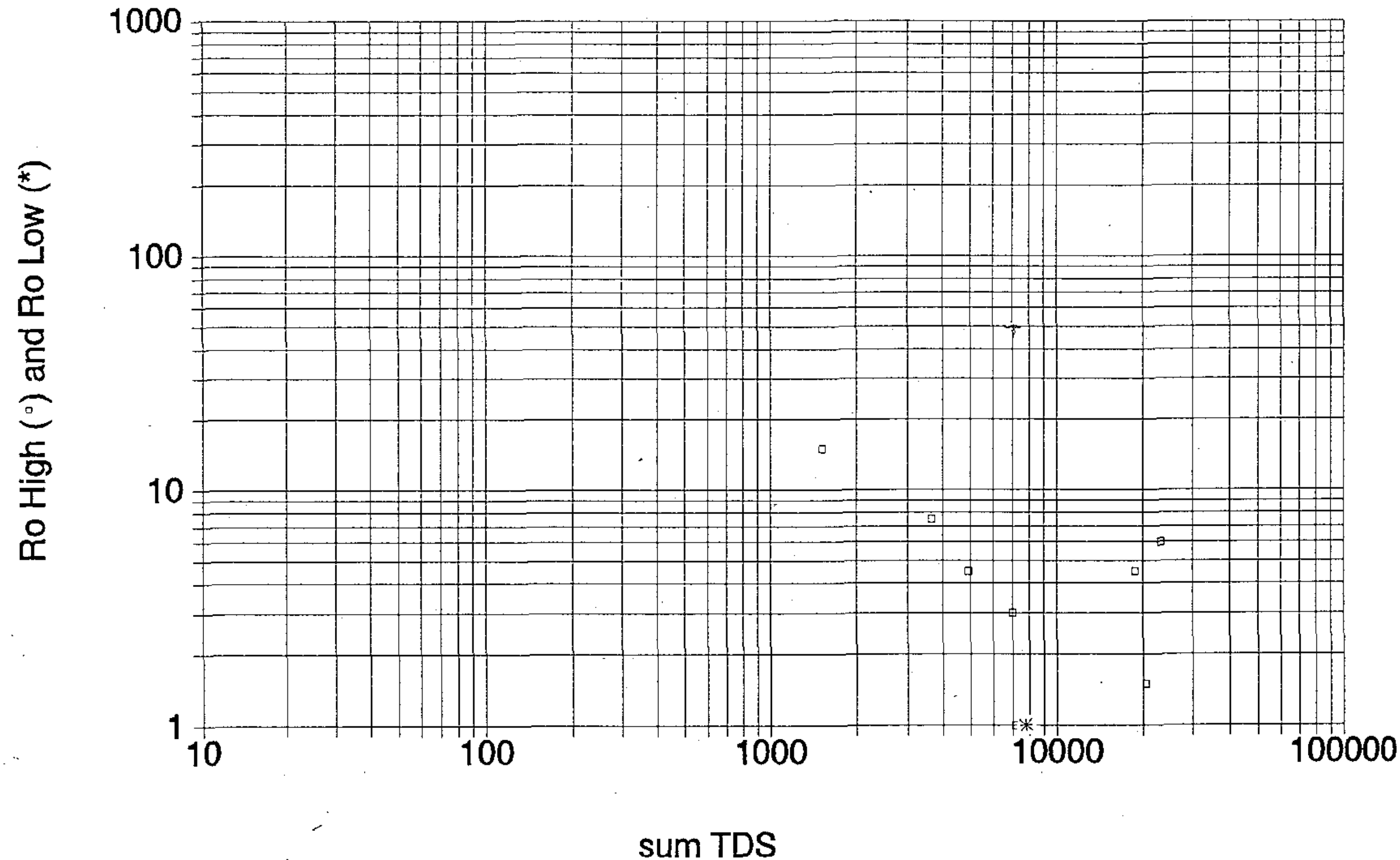

Figure 5-25. Ro-Sum TDS graph for Jefferson County.

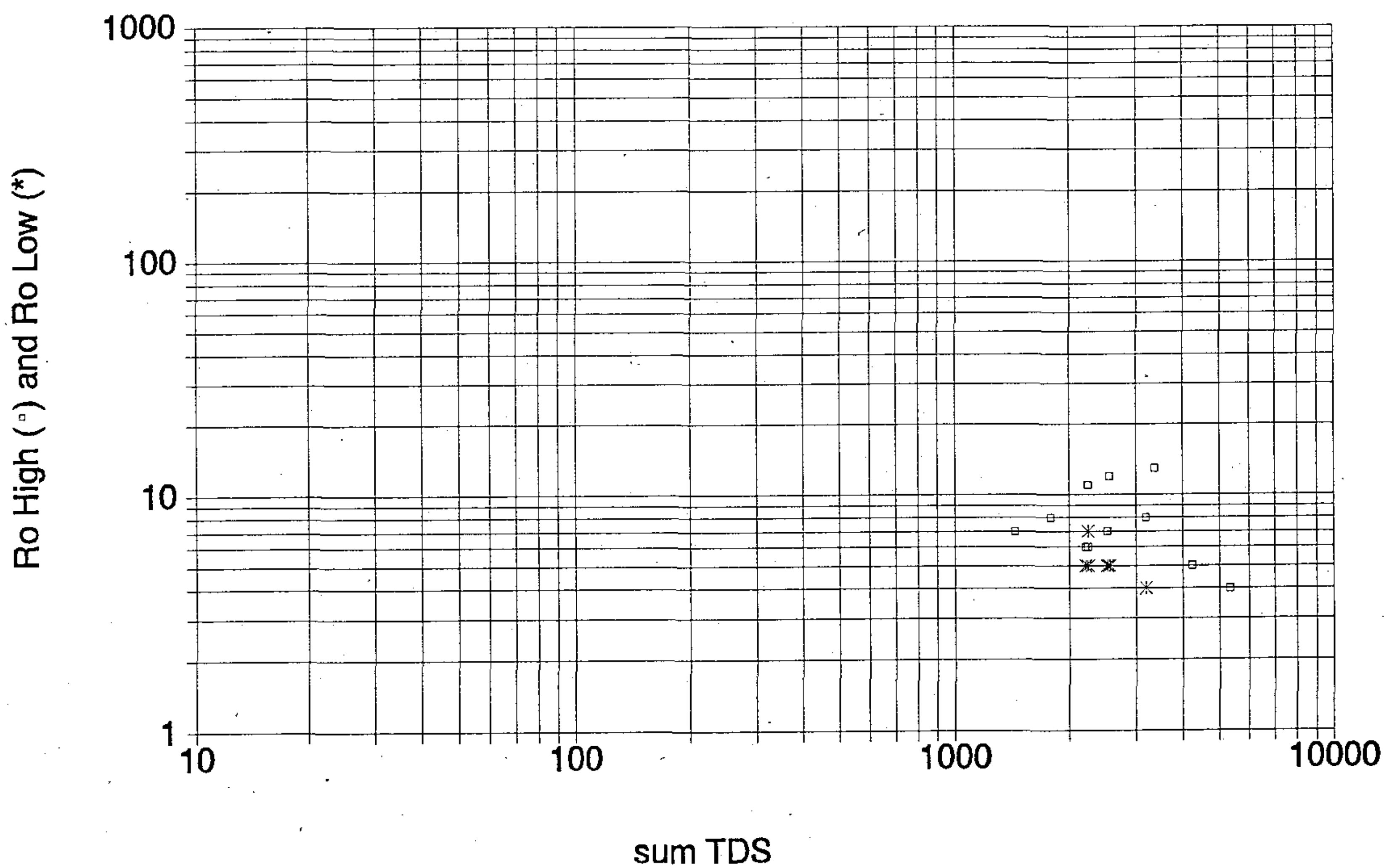

Figure 5-26. Ro-Sum TDS graph for Karnes County.

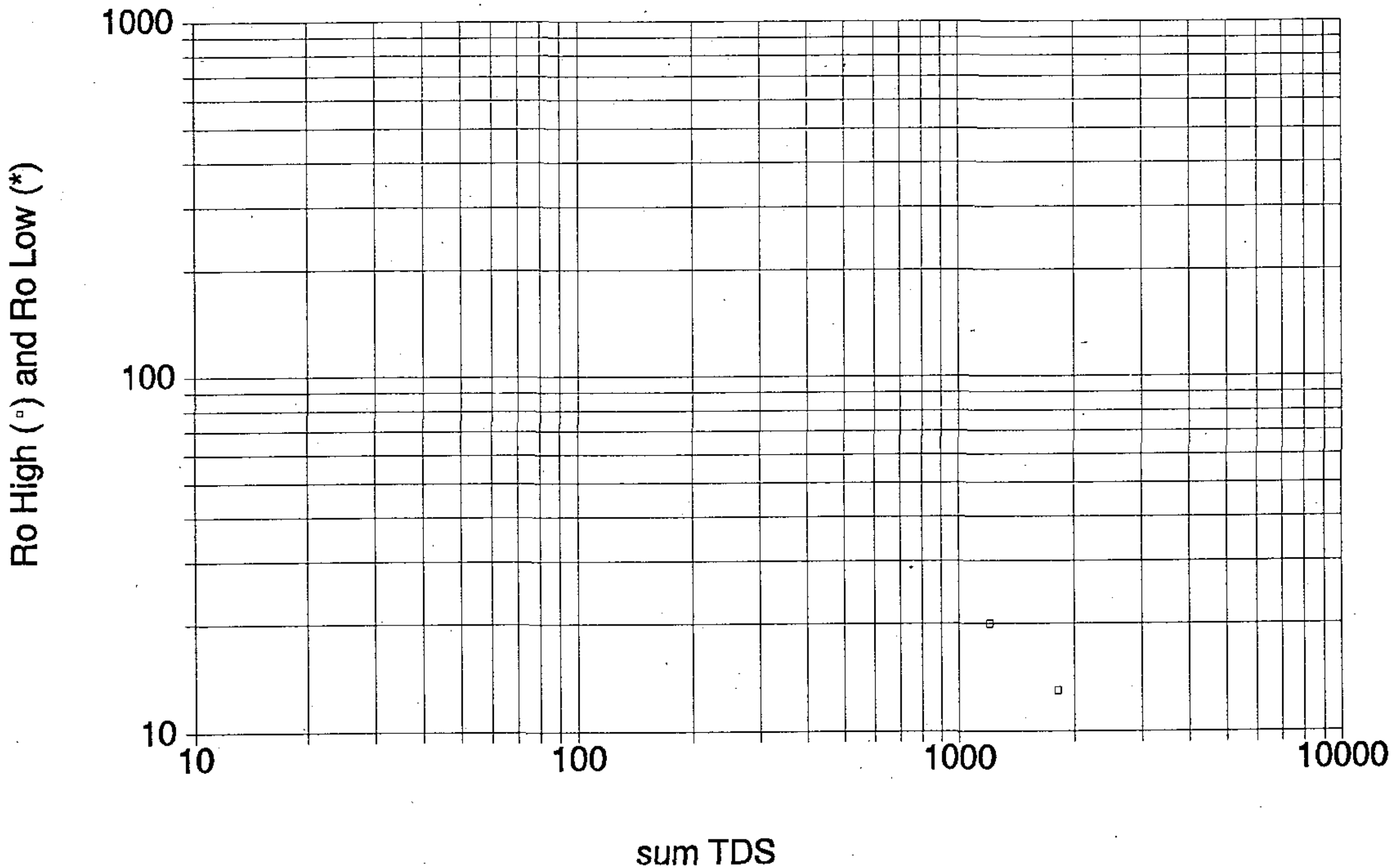

Figure 5-27. Ro-Sum TDS graph for Kleberg County.

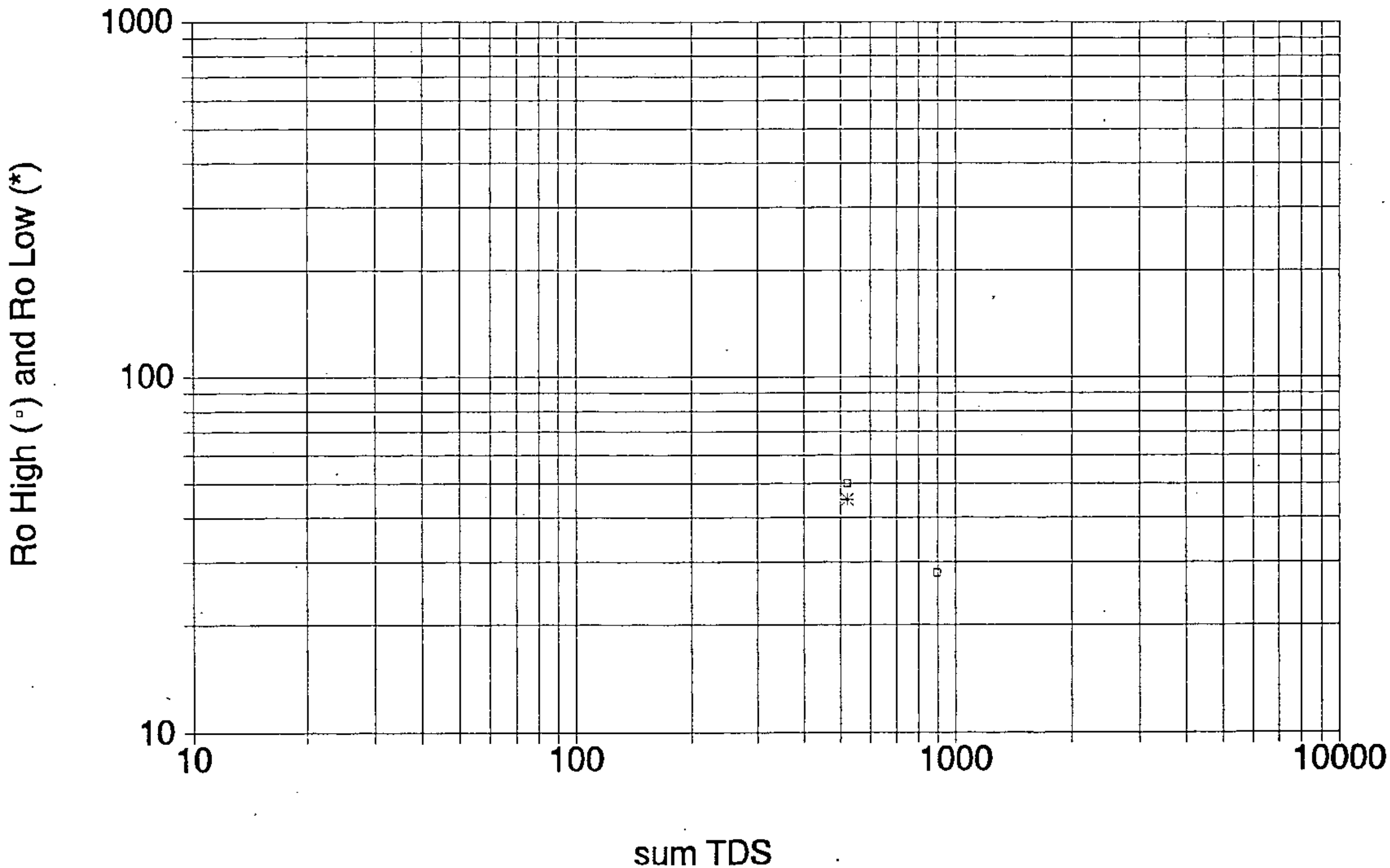

Figure 5-28. Ro-Sum TDS graph for Lee County.

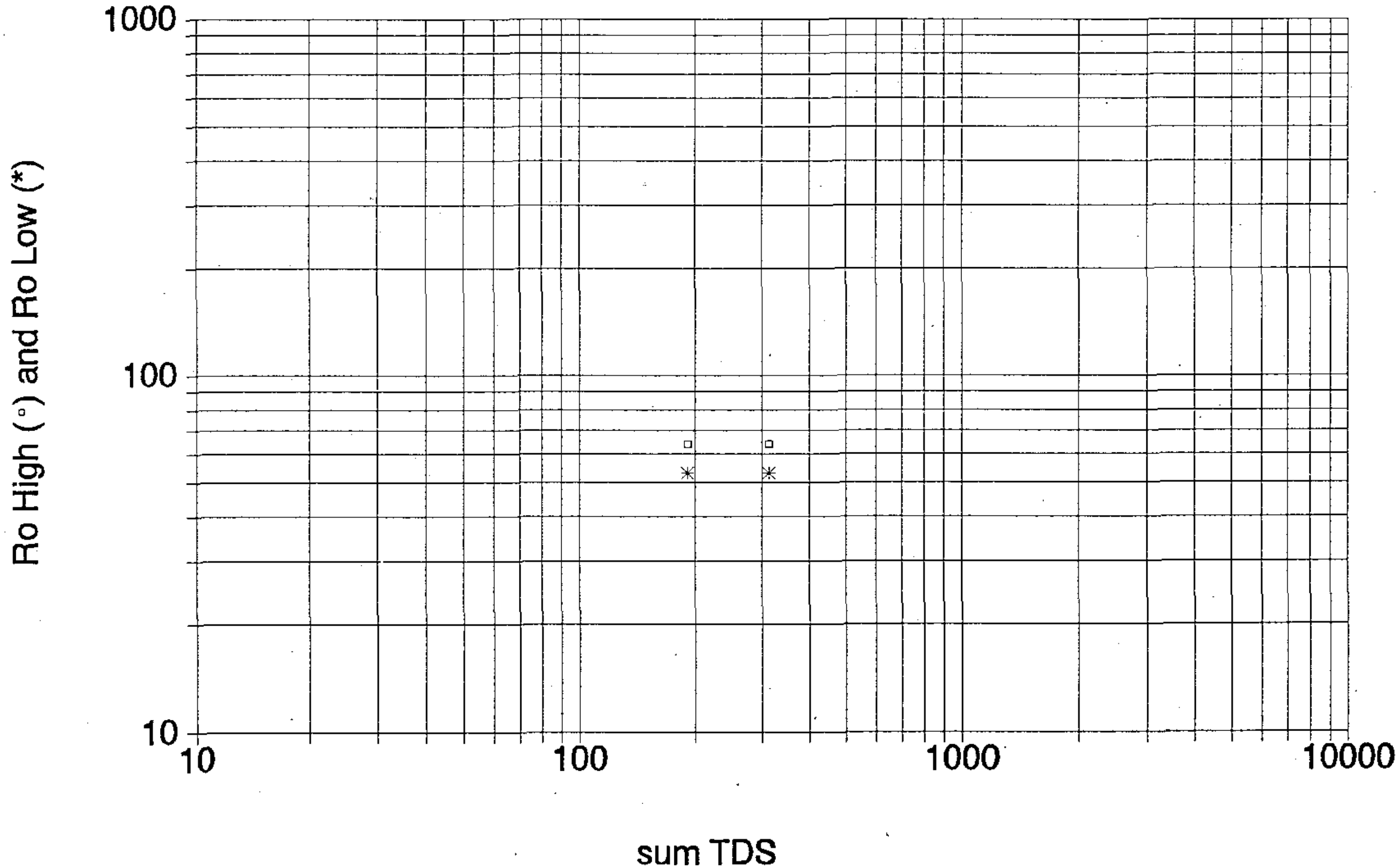

Figure 5-29. Ro-Sum TDS graph for Leon County.

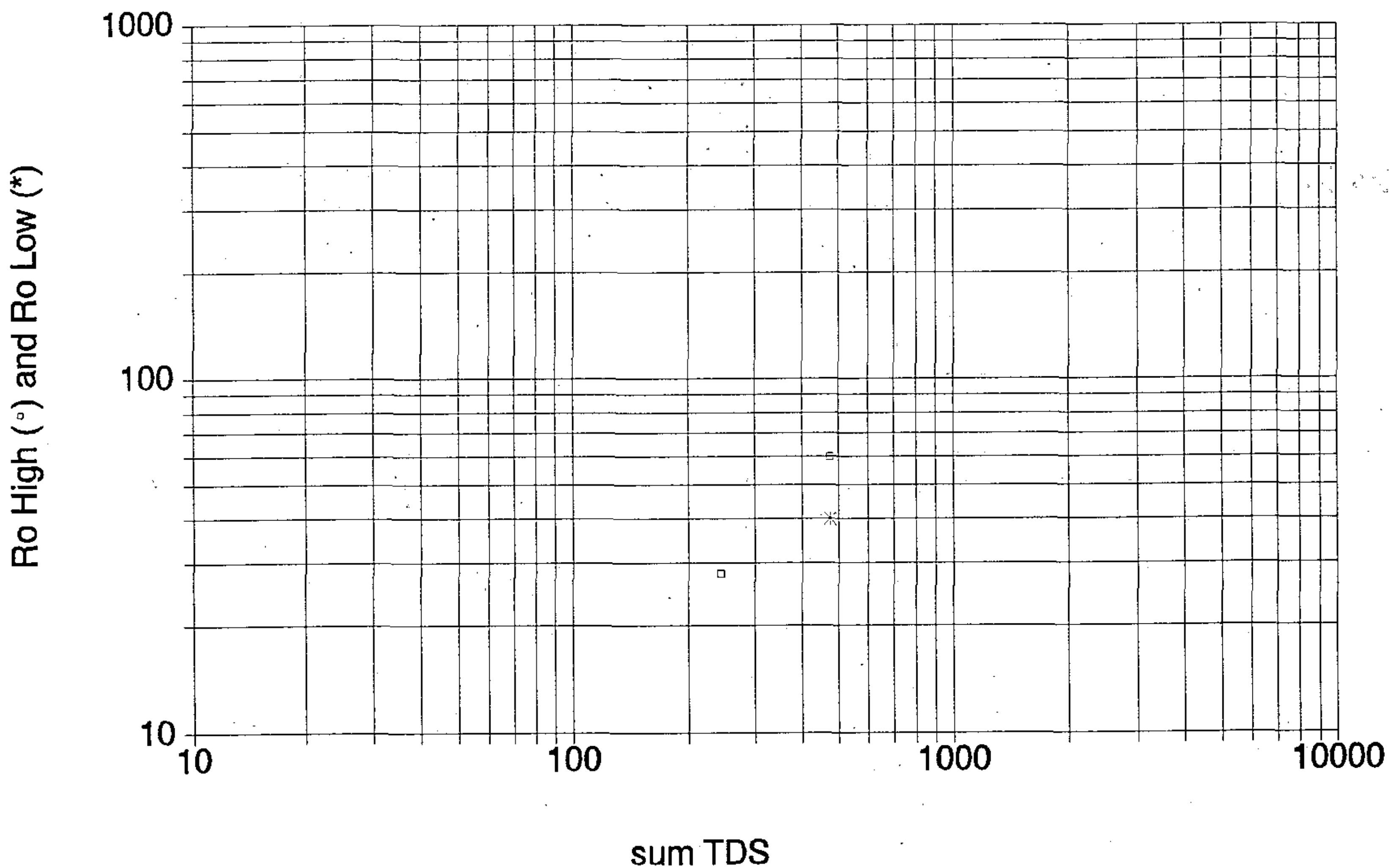

Figure 5-30. Ro-Sum TDS graph for Limestone County.

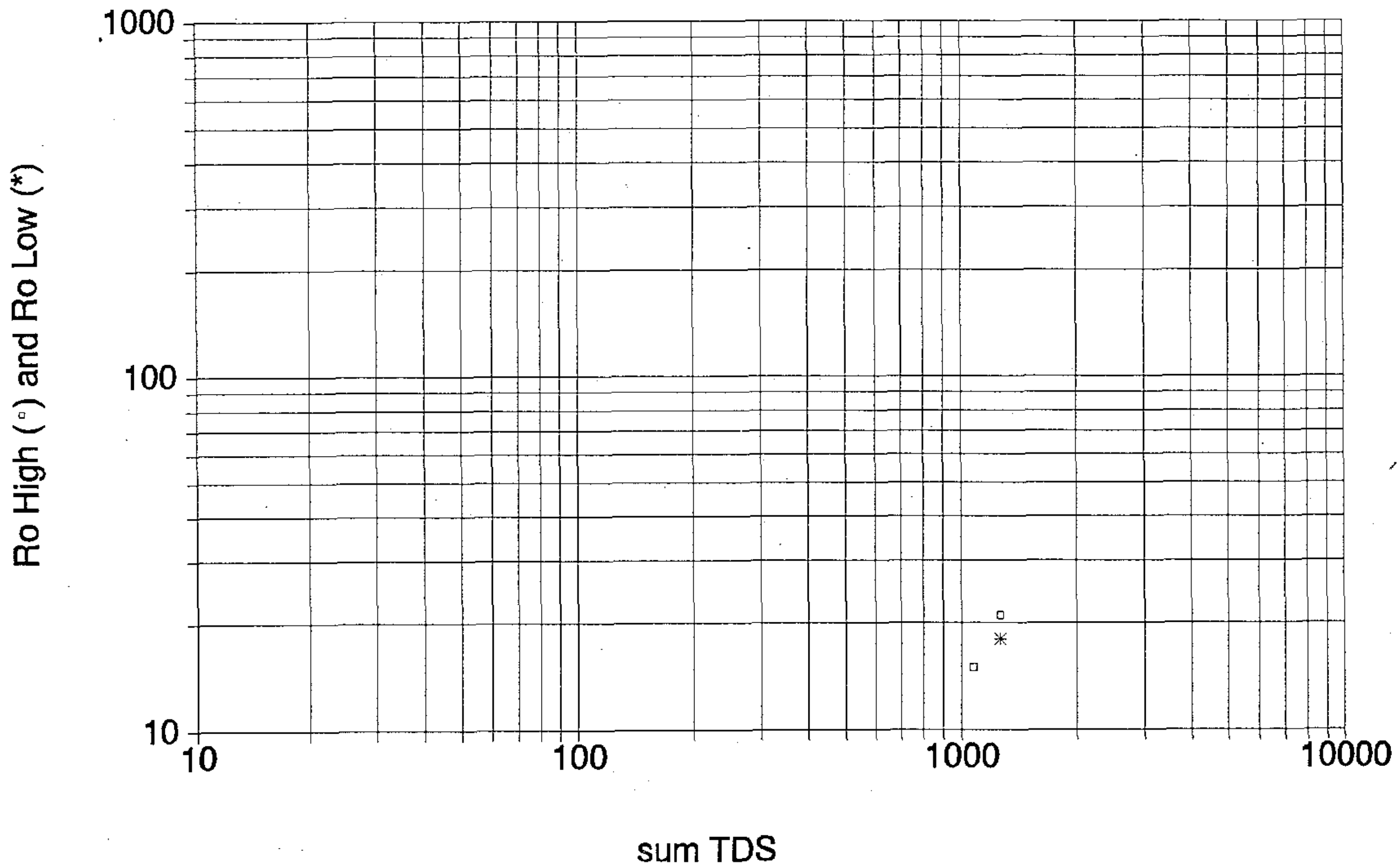

Figure 5-31. Ro-Sum TDS graph for Marion County.

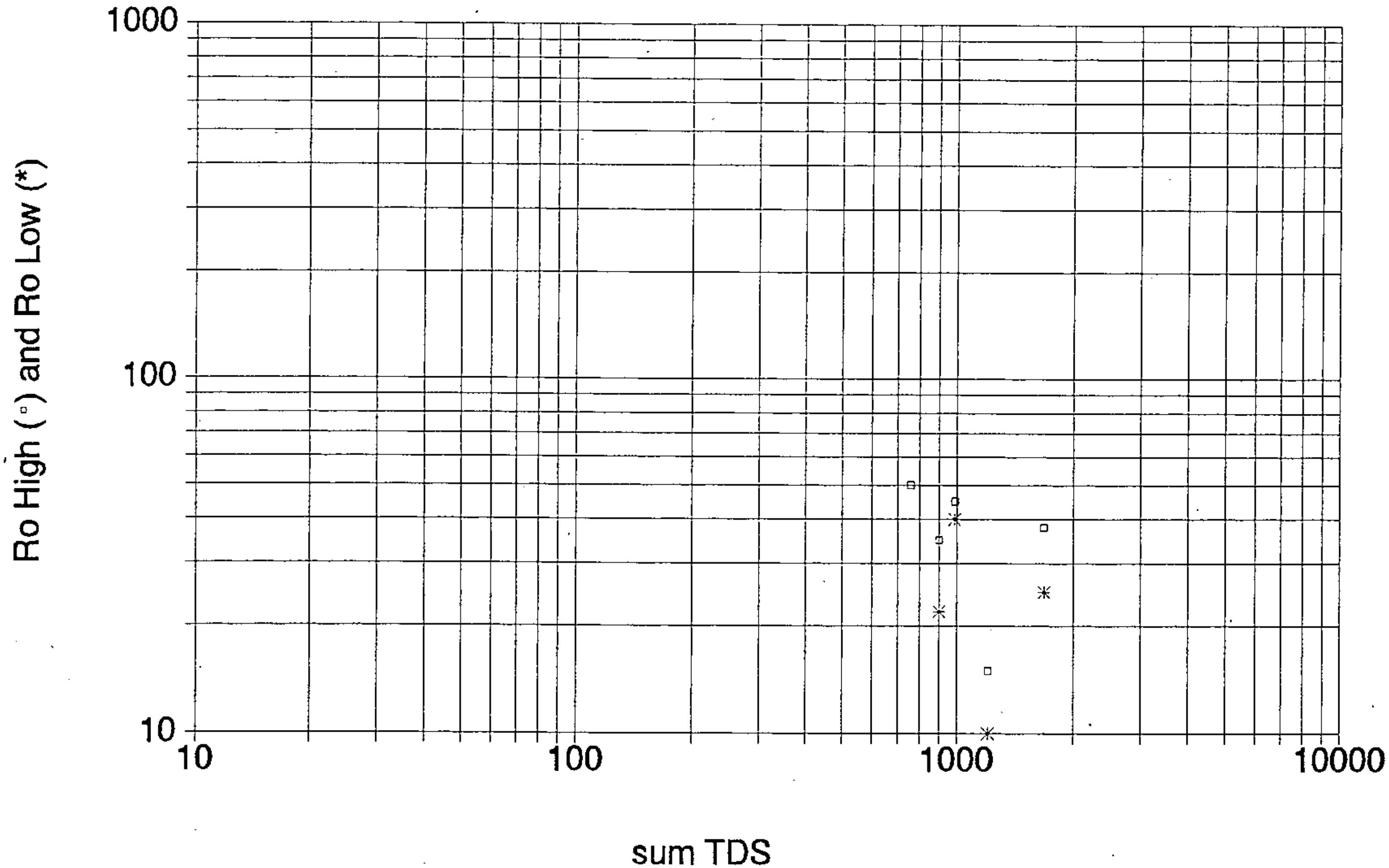

Figure 5-32. Ro-Sum TDS graph for McLennan County.

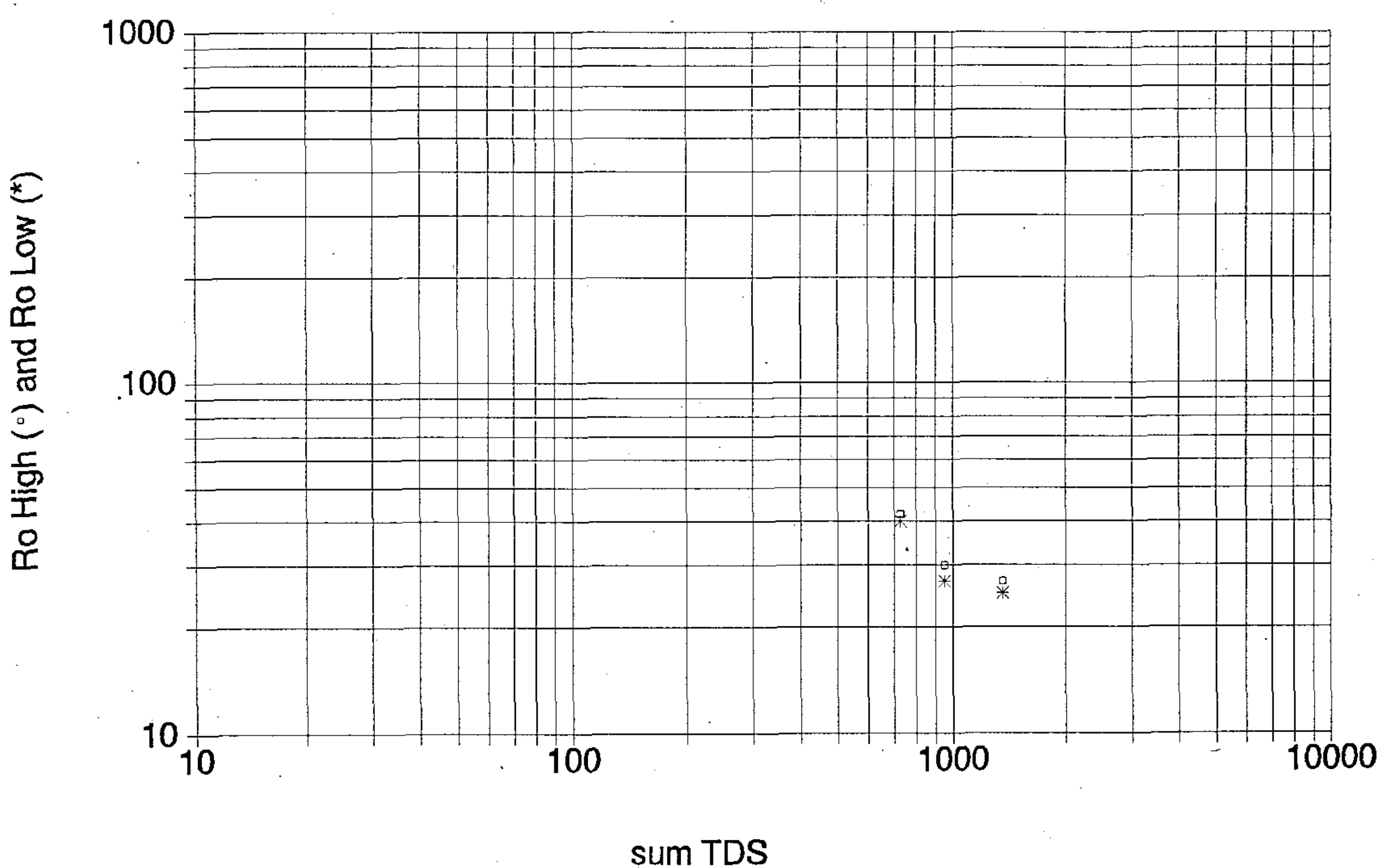

Figure 5-33. Ro-Sum TDS graph for McMullen County.

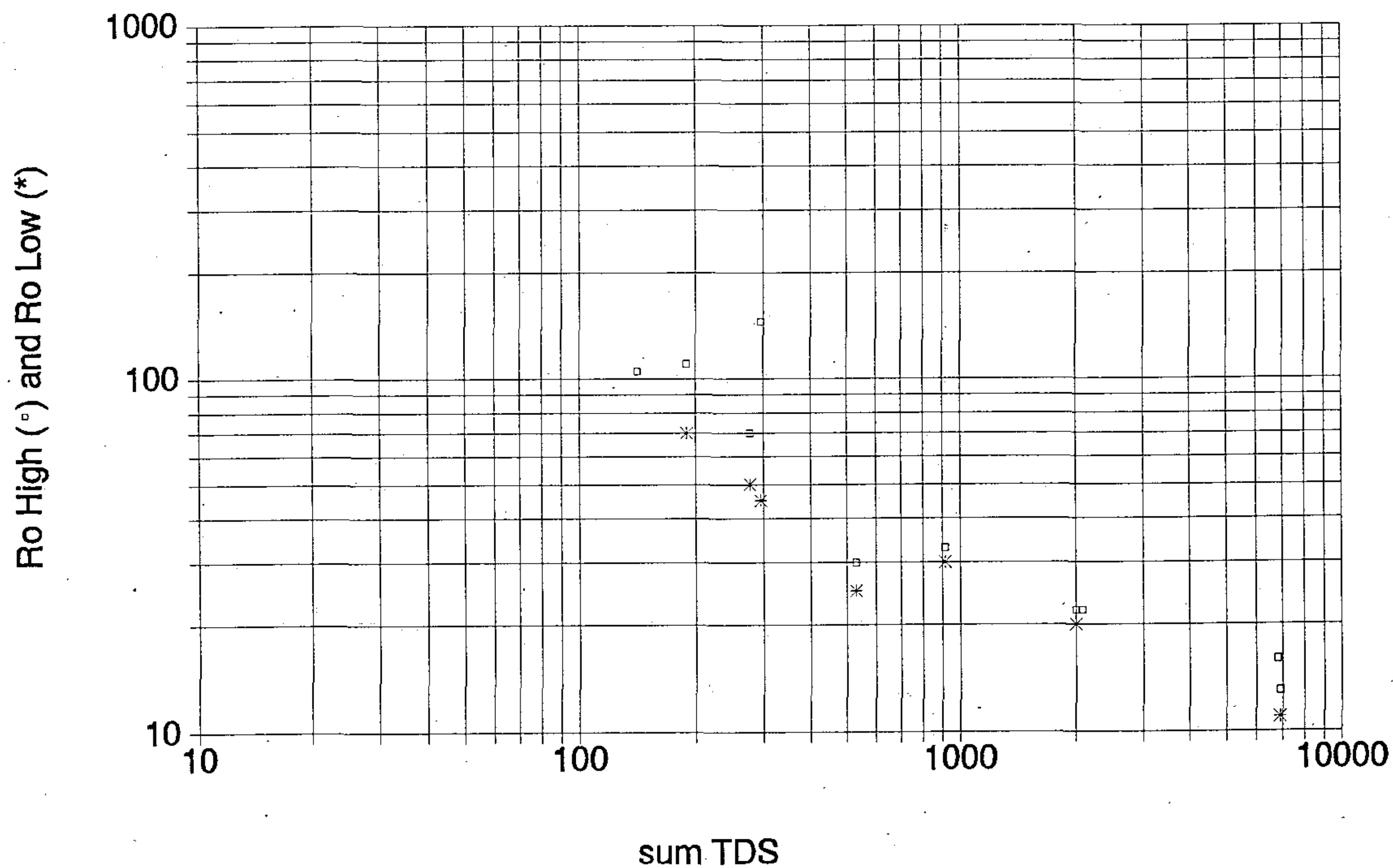

Figure 5-34. Ro-Sum TDS graph for Milam County.

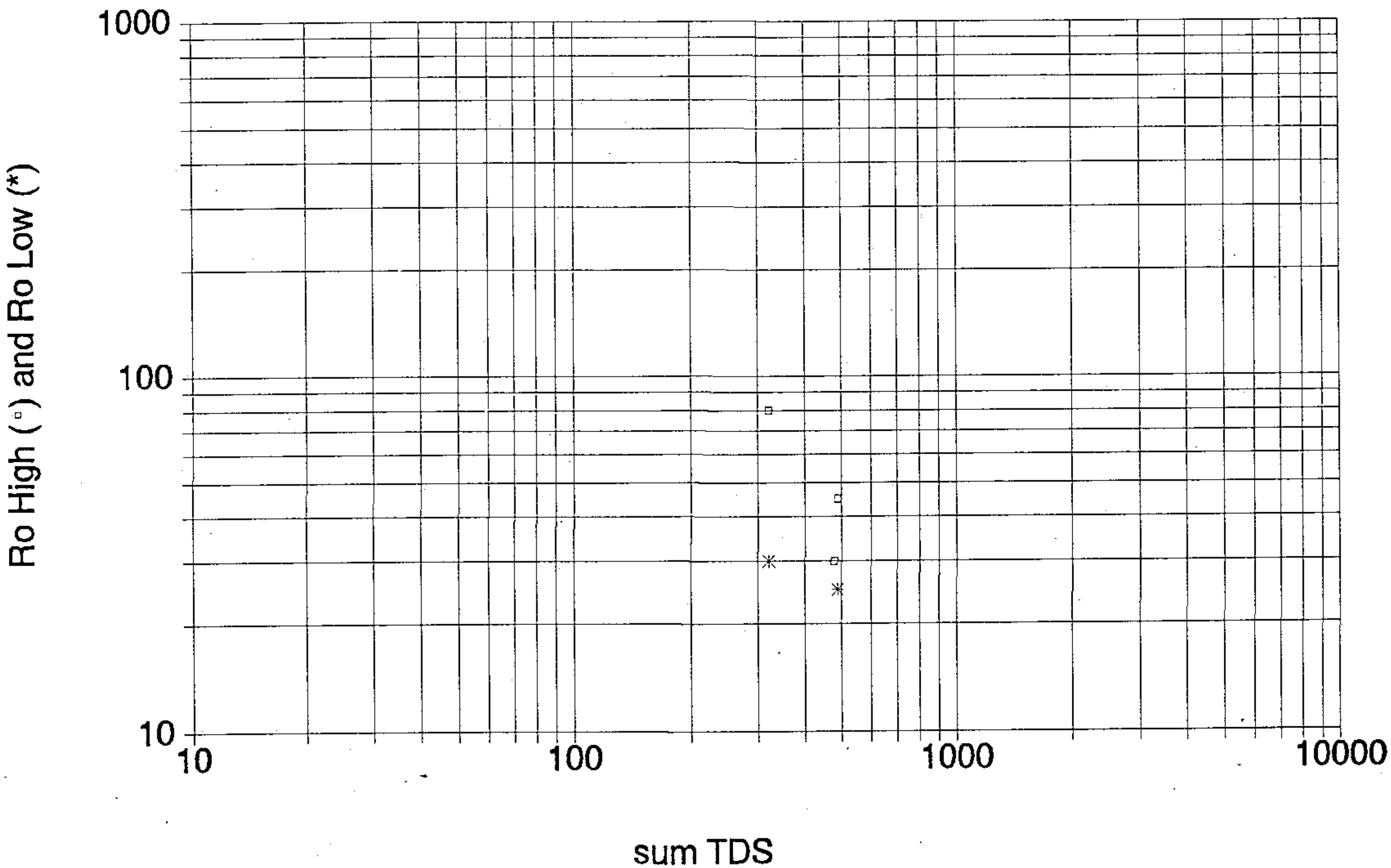

Figure 5-35. Ro-Sum TDS graph for Montgomery County.

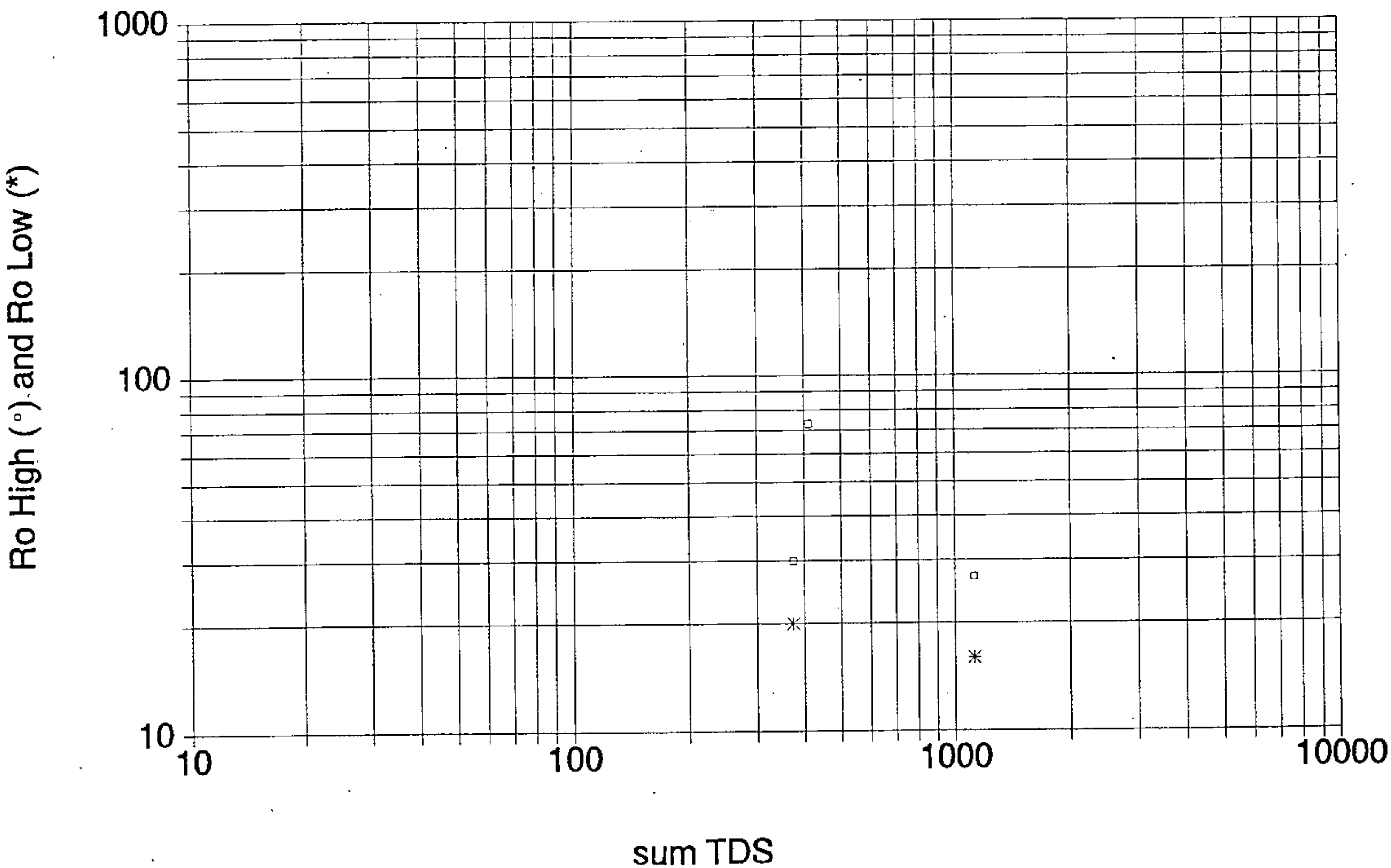

Figure 5-36. Ro-Sum TDS graph for Nacogdoches County.

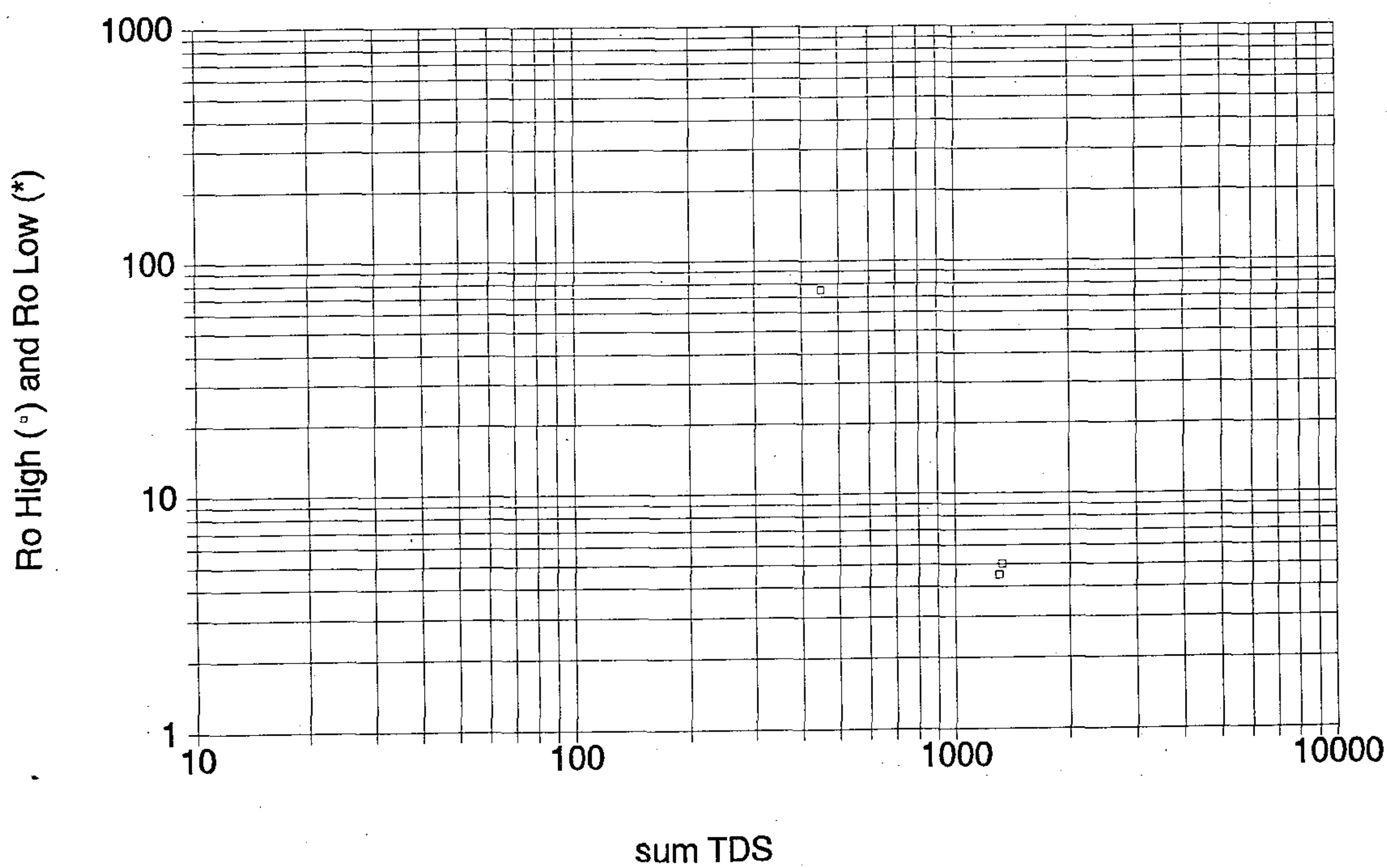

Figure 5-37. Ro-Sum TDS graph for Panola County.

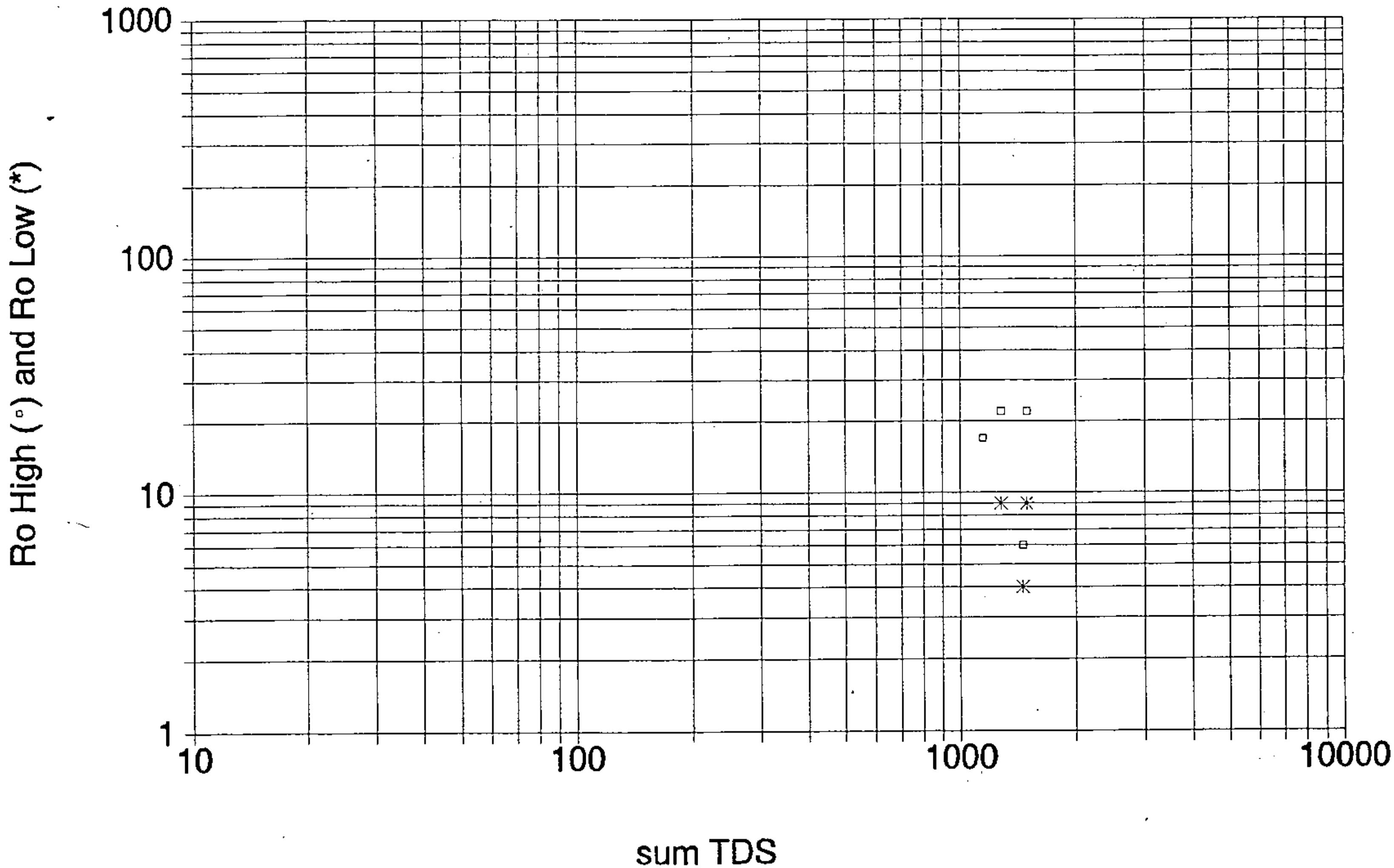

Figure 5-38. Ro-Sum TDS graph for Red River County.

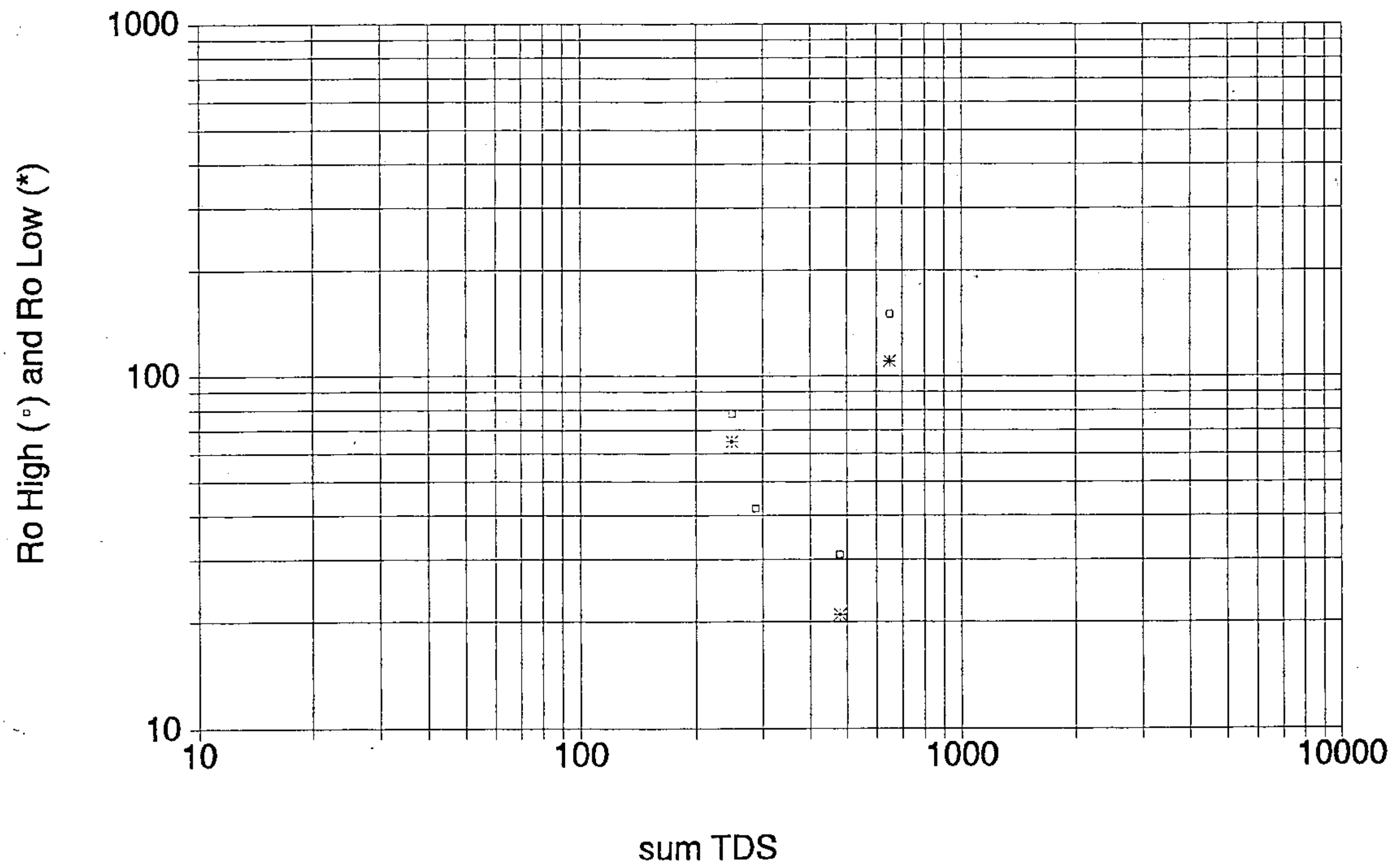

Figure 5-39. Ro-Sum TDS graph for Robertson County.

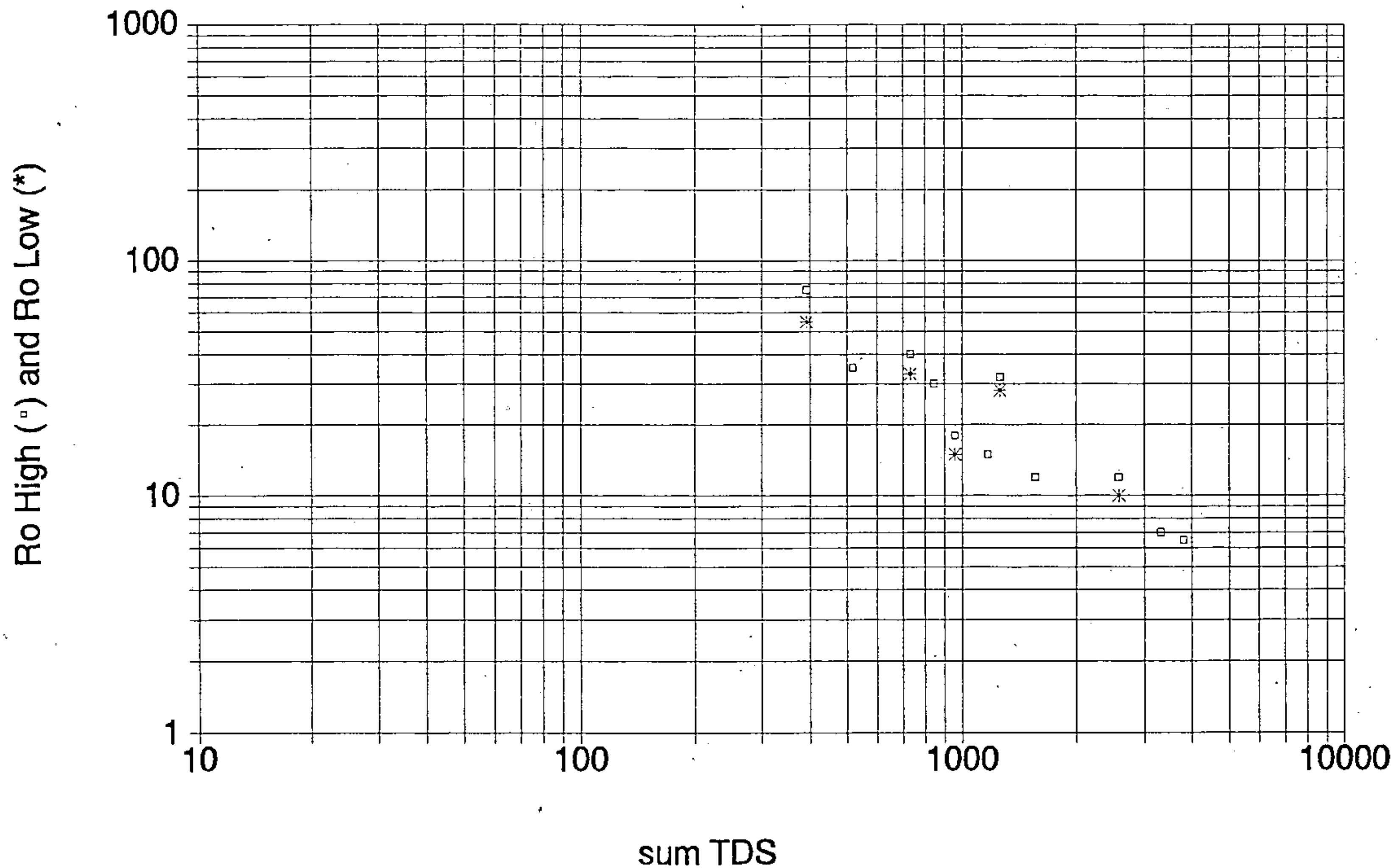

Figure 5-40. Ro-Sum TDS graph for Rusk County.

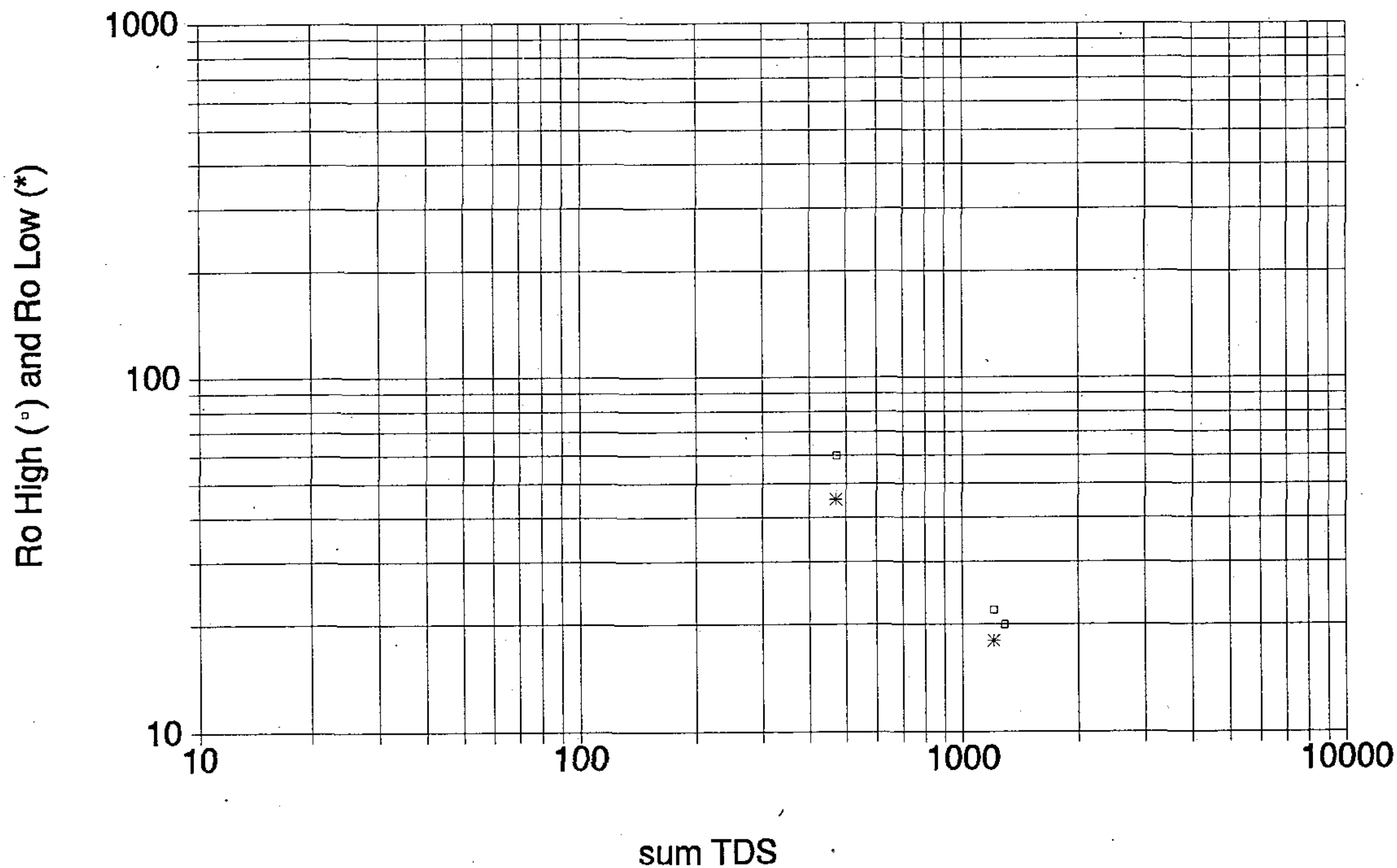

Figure 5-41. Ro-Sum TDS graph for Shelby County.

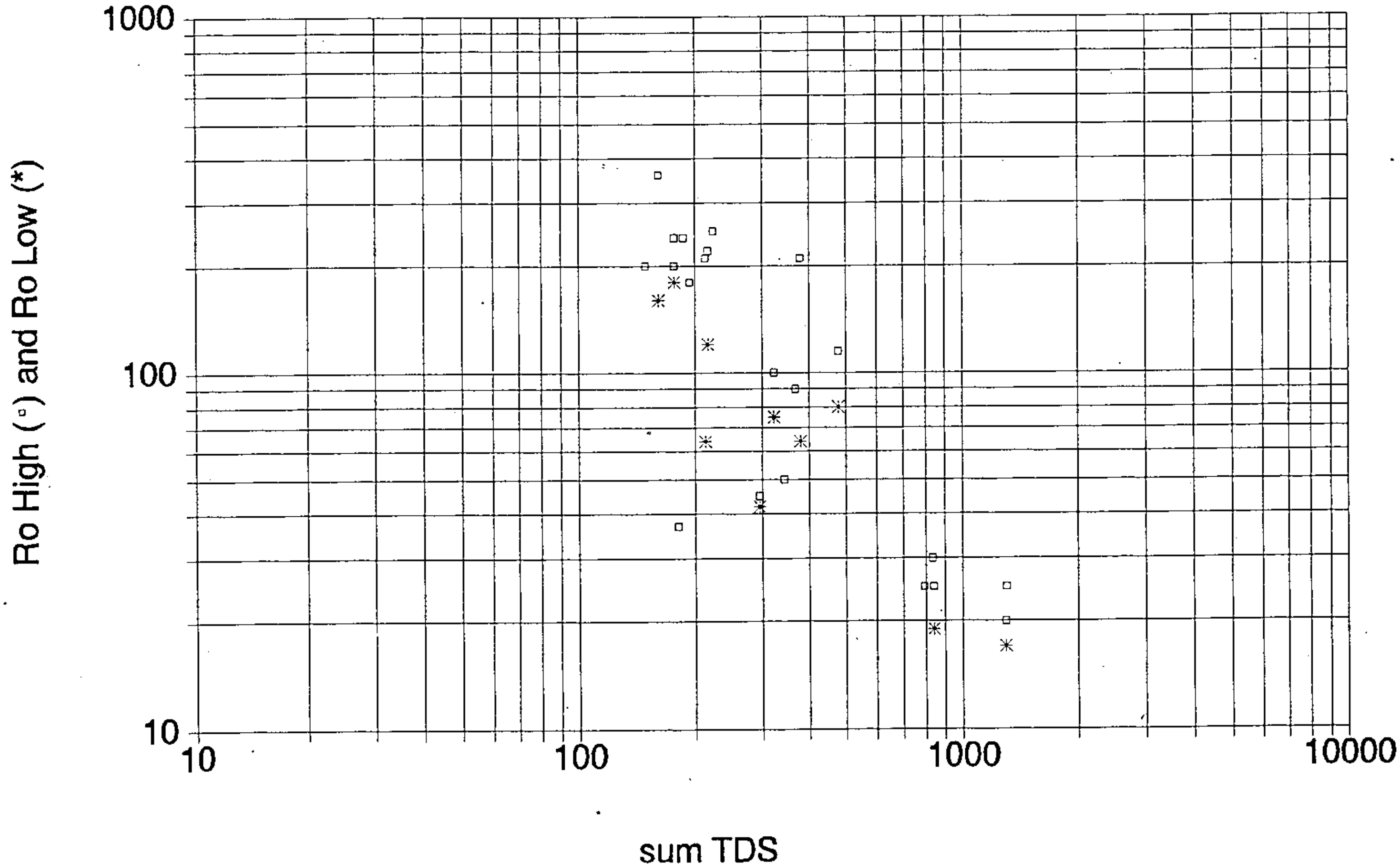

Figure 5-42. Ro-Sum TDS graph for Smith County.

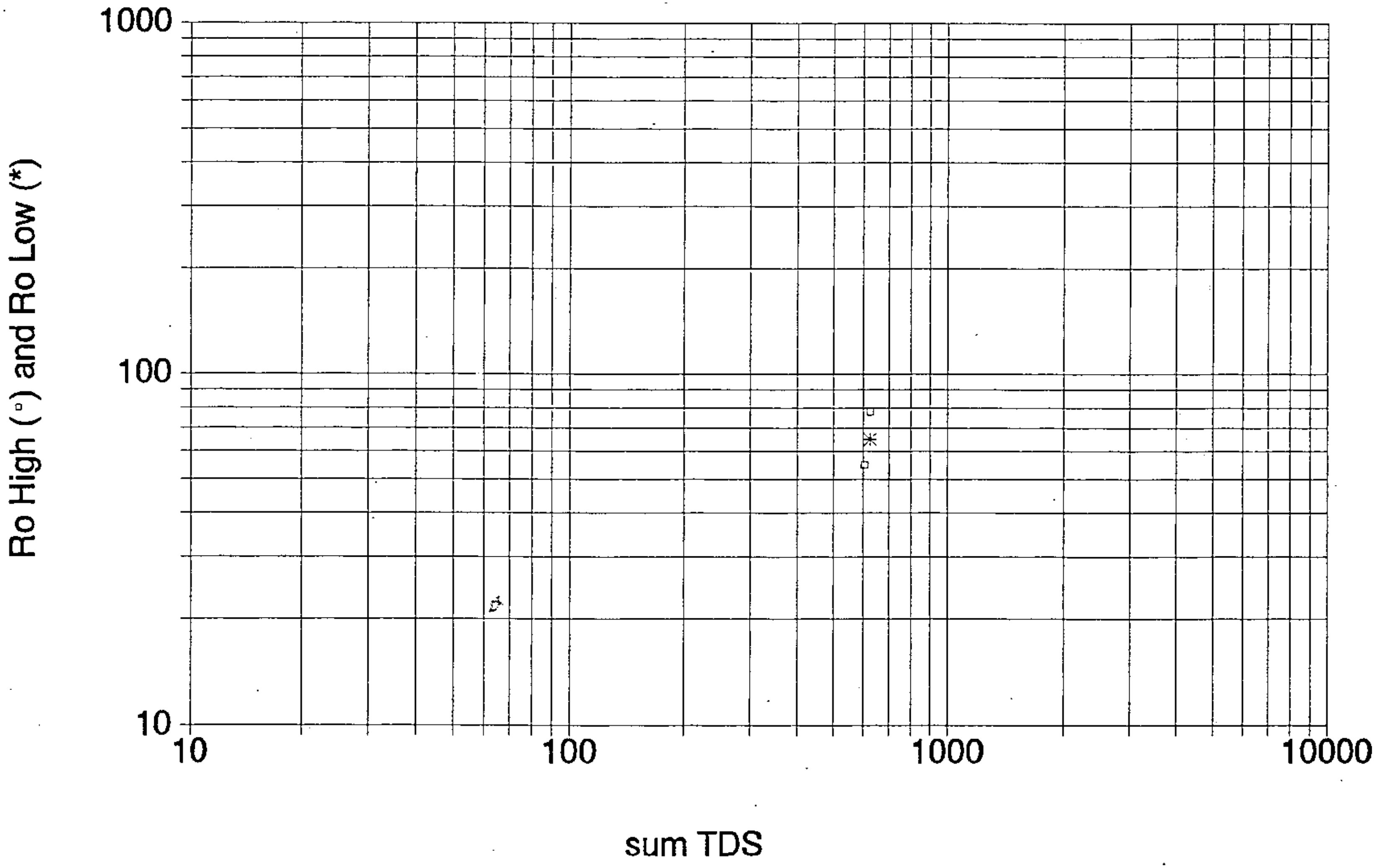

Figure 5-43. Ro-Sum TDS graph for Somervell County.

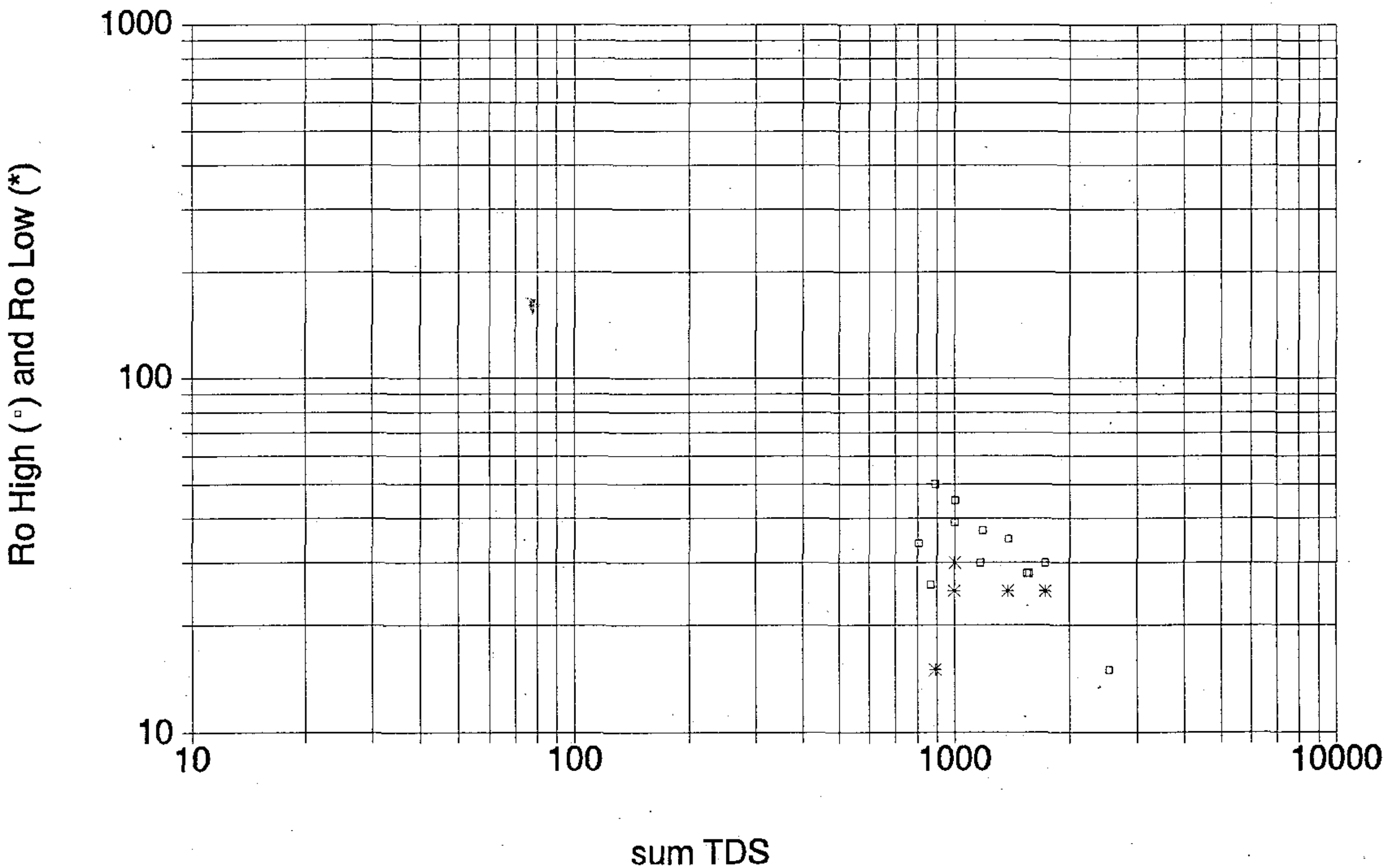

Figure 5-44. Ro-Sum TDS graph for Tarrant County.

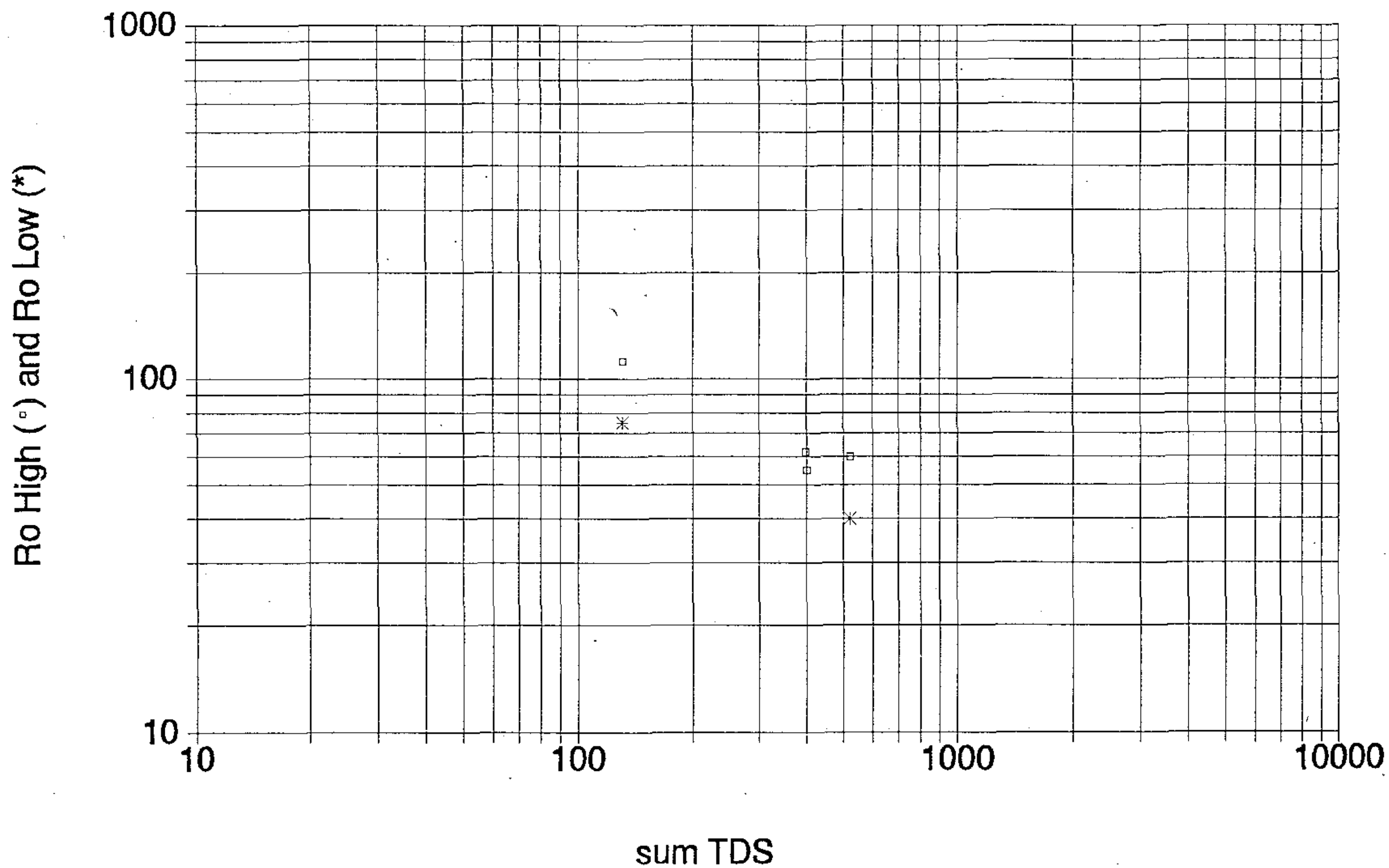

Figure 5-45. Ro-Sum TDS graph for Upshur County.

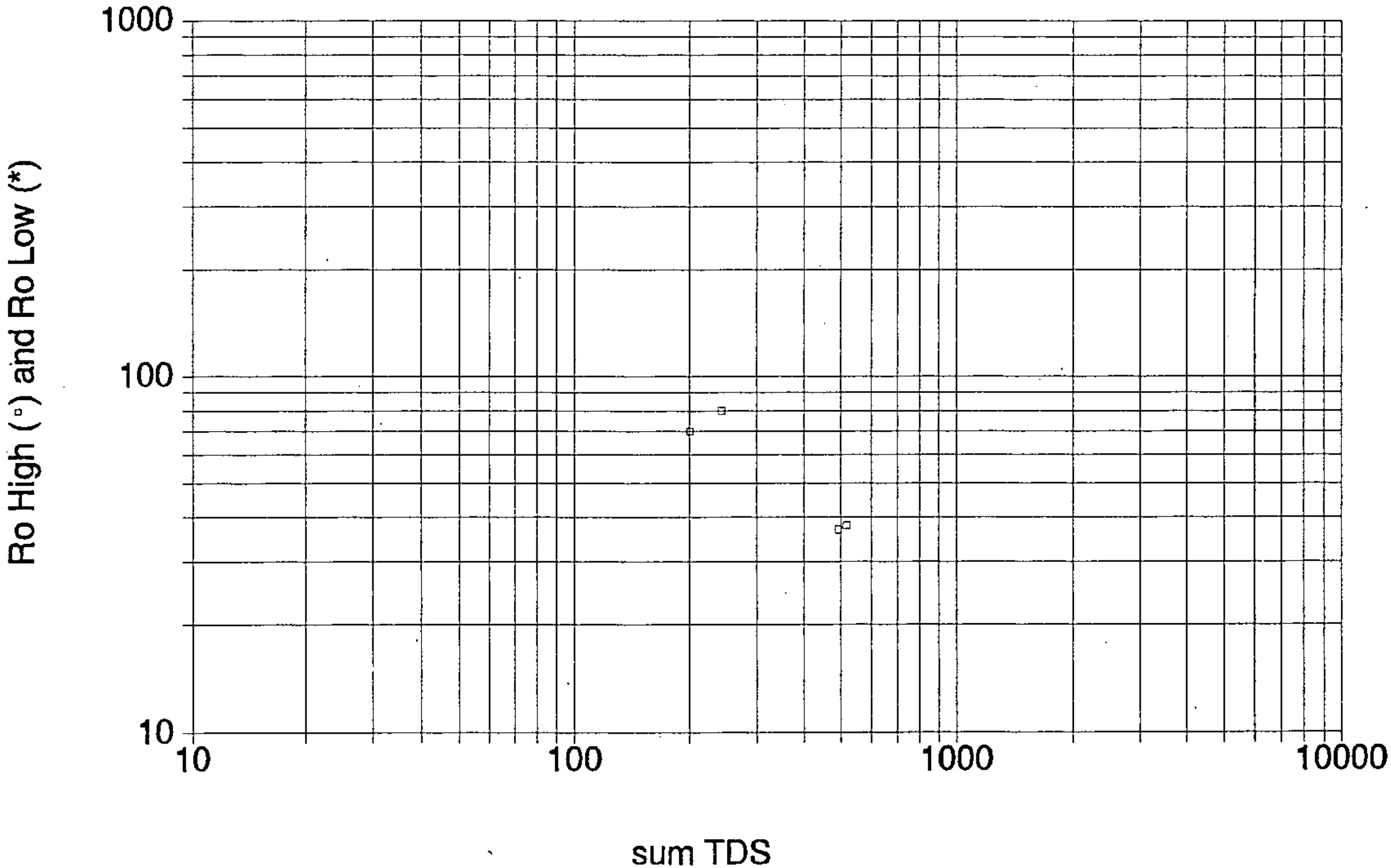

Figure 5-46. Ro-Sum TDS graph for Van Zandt County.

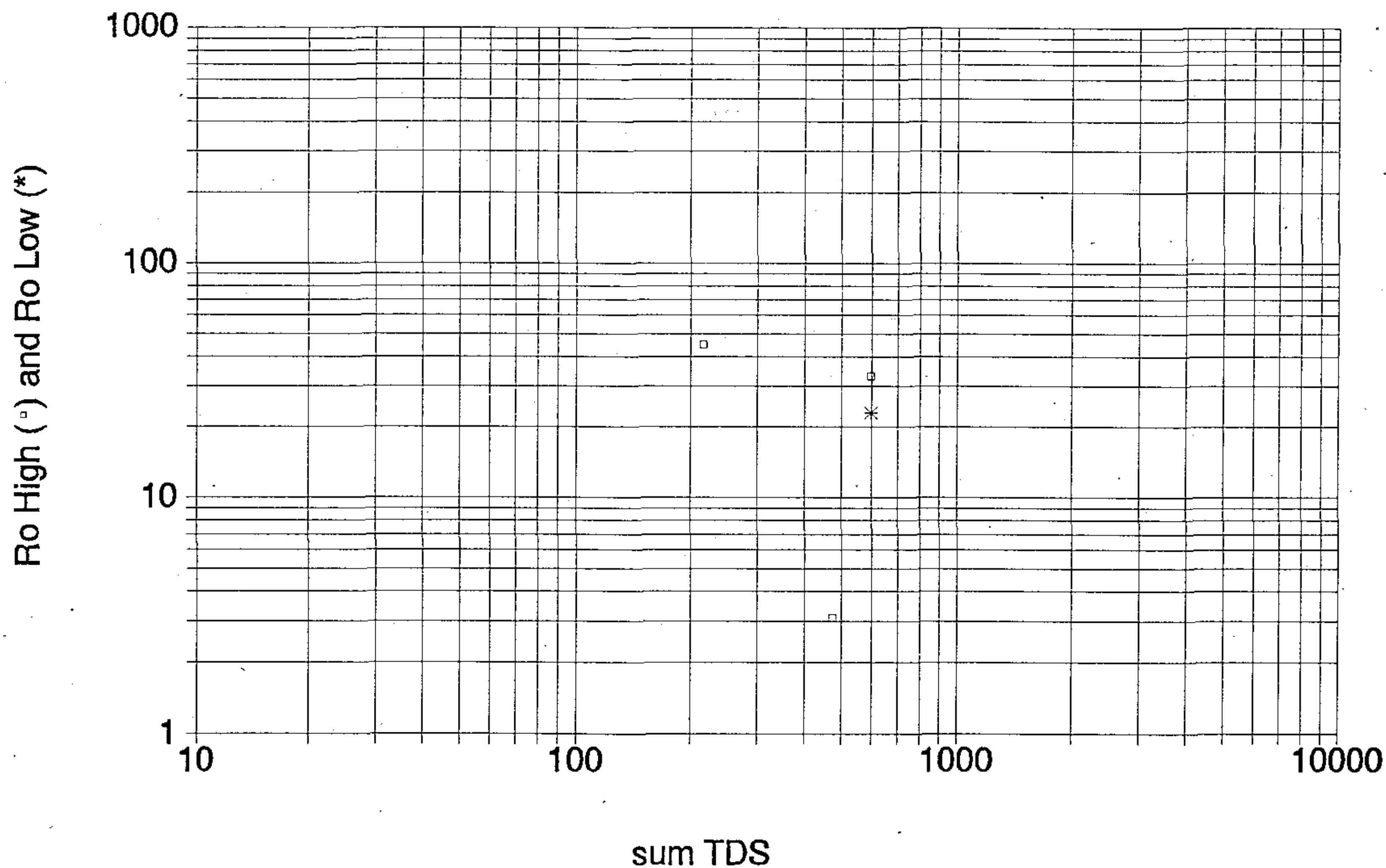

Figure 5-47. Ro-Sum TDS graph for Walker County.

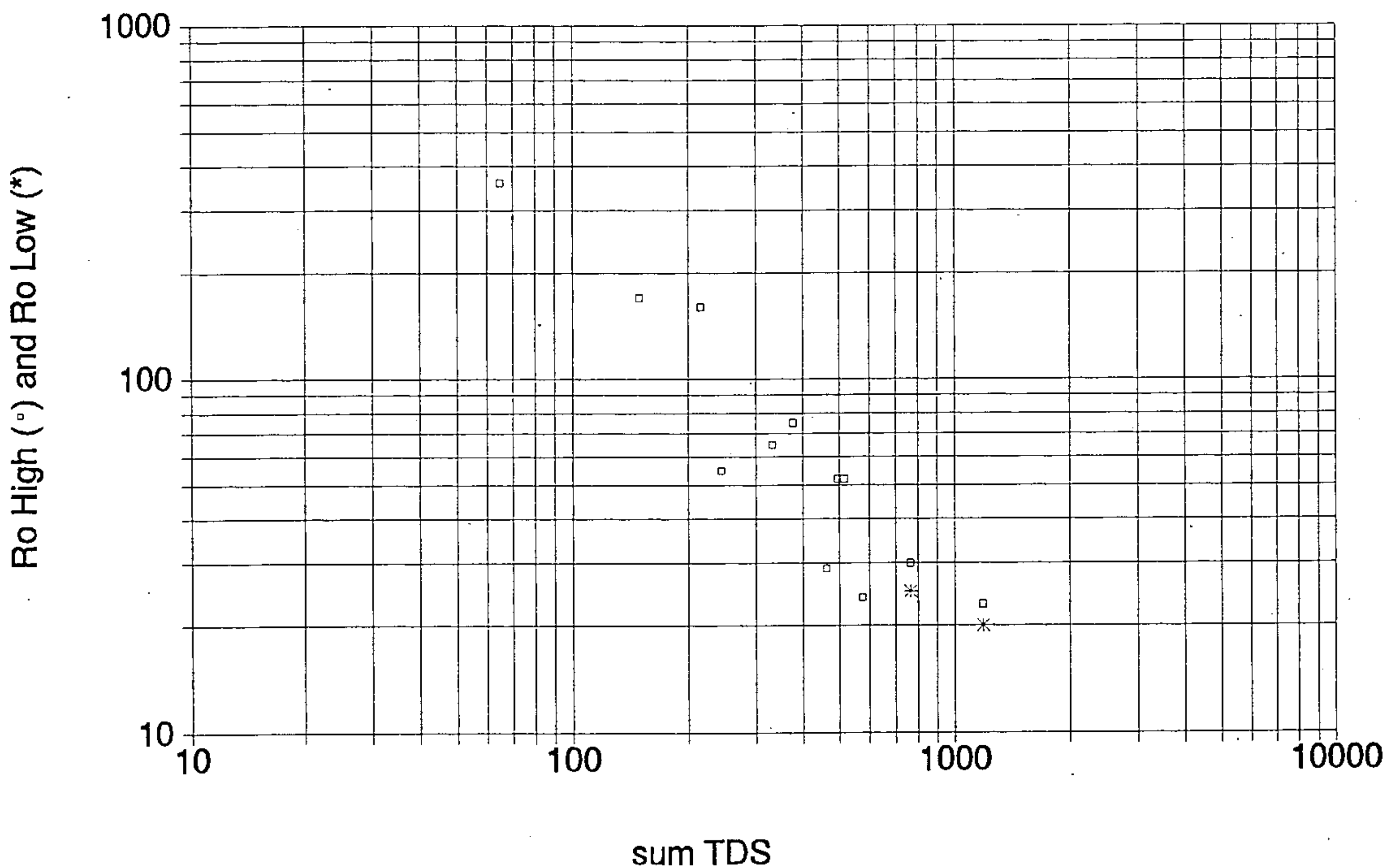

Figure 5-48. Ro-Sum TDS graph for Wood County.