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## **SABINE RIVER AUTHORITY OF TEXAS**

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**TO:** INTERESTED PARTIES  
**FROM:** ENVIRONMENTAL SERVICES DIVISION  
**RE:** AUGUST 2000 WATER QUALITY MONITORING REPORT

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This is the Sabine River Authority Water Quality Summary for August 2000. Water quality sampling was performed August 8th through August 10th. Recent weather in the Basin was hot and very dry with the exception of the Orange region where 3.02 inches of rain was recorded in the nine days prior to the sampling event. Daytime high air temperatures during the seven days prior to the sampling dates were in the upper 90's and low 100's in the Upper and Lower Basin. Nighttime lows were in the 70's.

### **UPPER SABINE BASIN ABOVE TOLEDO BEND INCLUDING LAKE FORK AND LAKE TAWAKONI**

For the August sample run, most of the water quality values seen at the Upper Basin sites were consistent with water of high quality. Lake Fork and Tawakoni reservoirs had only slight temperature differences from surface to bottom but dissolved oxygen gradients were seen at six to eight meters depending on the location. Percent saturation of oxygen was over 100% at LT23C, LT23D, and at three river sites (LF20, SR21, and SR19). Dissolved oxygen was less than 5mg/L near the dams at Lake Fork and Lake Tawakoni. Additional measurements at Lake Tawakoni indicated oxygen was well over 5mg/L about ¼ mile from the dam. Warming of deeper water by convection heating from the dam may have caused hypoxic water from the bottom to circulate to the surface. Some consideration should be given to move LF2 at Lake Fork and LT23A at Tawakoni a little farther away from the structure in order to reduce possible localized effects from the dam. Orthophosphate was slightly elevated at LT23D. River sites were unusually clear after the period without rainfall. Only one site, SR15, had elevated fecal coliform. Since high coliform counts are unusual during dry weather, SRA notified the City of Longview of a possible wastewater leak. Further sampling and groundwork by SRA and the City of Longview led to the discovery and repair of a leaking wastewater pipeline in a secluded area near the city limits of Longview. Other water quality parameters compared at upstream and downstream sites indicate no impairments other than slightly elevated ammonia at SR15.

**LOWER SABINE BASIN INCLUDING TOLEDO BEND TO MORGAN BLUFF**

August WQM sampling results were indicative of high water quality at most sites. Toledo Bend Reservoir was near pool level during this sampling event. Profiles taken at deep-water stations on the reservoir exhibited thermal stratification and had anoxic conditions at deeper depths. Oxygen levels at Stations TB6N, TB6I, TB6M and TB6 were below stream standards. Sulfate levels at Stations TB8 and BA4 exceeded stream standards. Stations BA4 and TB6N had higher nitrite/nitrate levels and conductivity readings compared to other stations sampled during this time. Station BA4 is sampled from a bayou that receives discharge from a paper mill. Station TB6N is sampled from a bayou that receives effluent from a municipal wastewater treatment plant.

**TIDAL SECTION OF THE SABINE BASIN BELOW MORGAN BLUFF**

Stations sampled in the tidal portion of the Sabine Basin had values that were consistent with water of high quality. All values measured were within stream standards criteria. A definite salt-water wedge was observed at tidal stations. The greatest salinity measured occurred at SRT1 with a reading of 22 ppt at 9.7 meters deep.

This Report and additional data for these monitoring stations are available on our World Wide Web site ([www.sra.dst.tx.us](http://www.sra.dst.tx.us)). If you have any questions or comments concerning this report, please contact:

- *Upper Sabine Basin*  
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# SABINE RIVER AUTHORITY OF TEXAS

## Water Quality Monitoring Program

August 2000

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2000 SRA WQMP Stations, by Reach

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# *Current WQMP Stations*

## *Upper Sabine Basin*

<i>SW</i>	<i>Segment</i>	<i>Station</i>	<i>Location</i>
7.00	0507	10440 (LT23C)	LAKE TAWAKONI AT COWLEECH FORK
7.00	0507	10435 (LT23D)	LAKE TAWAKONI IN KITSEE INLET
7.00	0507	10434 (LT23A)	LAKE TAWAKONI IN MAIN LAKE
6.12	0512	16691 (LF7)	LAKE FORK RESERVOIR 3.7KM UPSTREAM OF FM2946 AT BOUY #63
6.12	0512	10461 (LF3)	LAKE FORK RES AT CANEY CREEK ARM
6.12	0512	10462 (LF4)	LAKE FORK RES AT LAKE FORK CREEK ARM
6.12	0512	10458 (LF2)	LAKE FORK RES NEAR DAM
6.10	0515	10469 (LF20)	LAKE FORK CREEK AT US 80
6.02	0514	10467 (BS18)	BIG SANDY CREEK AT US 80
6.00	0506	10430 (SR21)	SABINE RIVER AT US 69
6.00	0506	10429 (SR19)	SABINE RIVER AT FM 14
5.00	0505	10428 (SR17)	SABINE RIVER AT US 271
5.00	0505	10427 (SR16)	SABINE RIVER AT SH 42
5.00	0505	10426 (SR15)	SABINE RIVER AT US 259
5.00	0505	10423 (SR14)	SABINE RIVER AT SH 149
5.00	0505	13628 (SR11)	SABINE RIVER AT US 59
5.00	0505	10415 (SR10)	SABINE RIVER AT FM 2517

**SABINE RIVER AUTHORITY OF TEXAS**  
 Upper Sabine Basin Report  
 August 2000

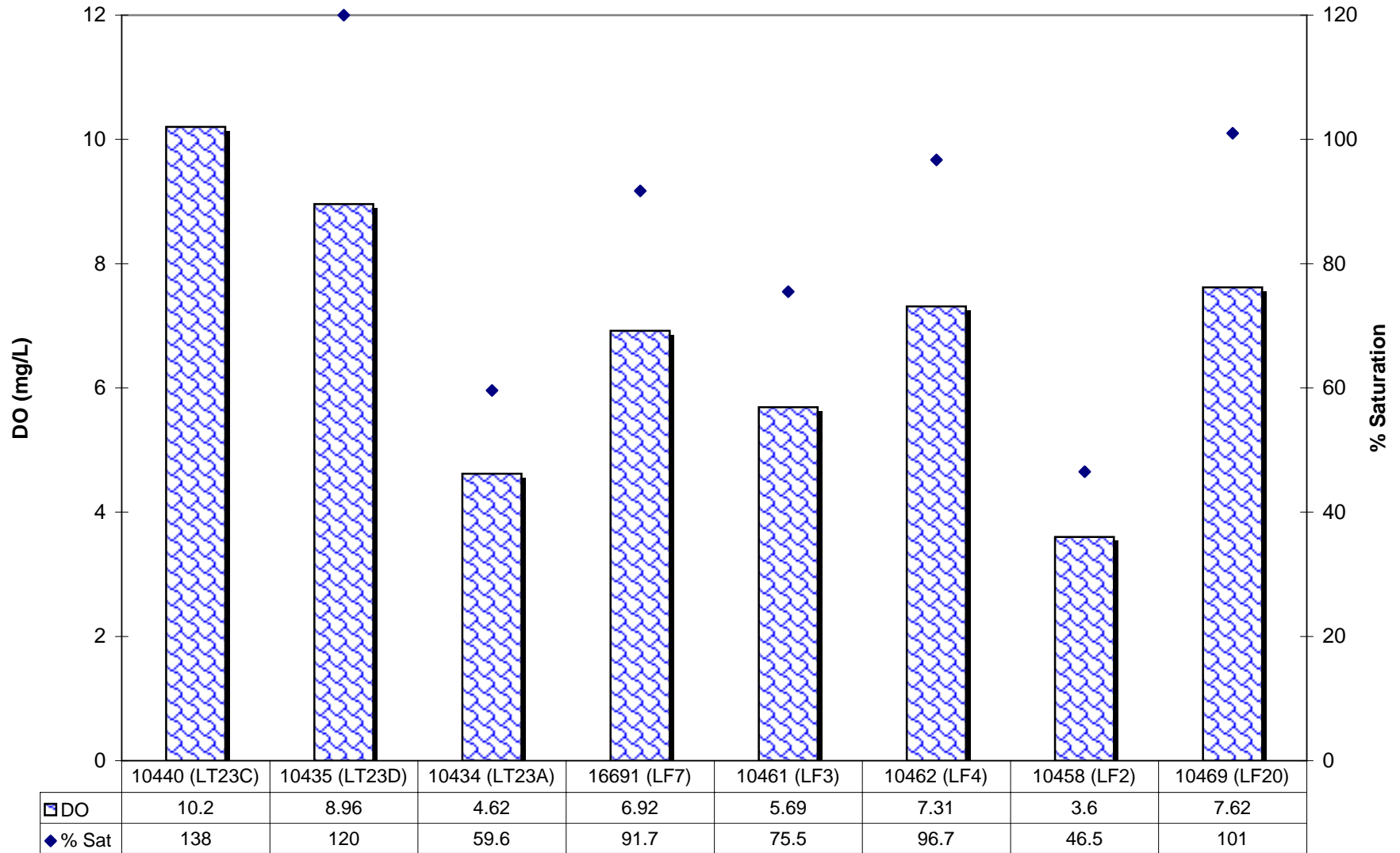
Date	SW ID	Station	Temperature °C 00010	pH Units 00400	DO mg/L 00300	% Saturation 00301	Conductivity µS/cm 00094	Salinity ppt 00480	Secchi Meters 00078	Turbidity NTU 82079	Fecal Coliform 31616	Fecal Strep 31673	Chlorophyll a µg/L 32211	Ammonia mg/L 00610	Nitrate & Nitrite 00630	Ortho-Phosphate 00671	TOC mg/L 00680	Total Alkalinity 00410	Total Hardness 00900	Chloride mg/L 00940	Sulfate mg/L 00945
8/8/00 12:44 PM	7.00	10440 (LT23C)	31.3	8.73	10.2	138	192	*	0.46	10.6	< 2	*	*	0.005	< 0.02	< 0.02	9	*	*	4.8	8.6
8/8/00 11:48 AM	7.00	10435 (LT23D)	30.8	8.3	8.96	120	194	*	0.55	12.4	2	*	*	0.006	< 0.02	0.12	9	*	*	4.7	6.6
8/8/00 10:40 AM	7.00	10434 (LT23A)	28.5	7.27	4.62	59.6	198	*	1.1	3.29	< 2	*	*	0.01	< 0.02	< 0.02	7	*	*	2.9	8.8
8/8/00 9:45 AM	6.12	16691 (LF7)	30.1	7.91	6.92	91.7	135	*	0.71	5.25	< 2	*	*	0.007	< 0.02	0.05	10	*	*	9.3	11.9
8/8/00 8:45 AM	6.12	10461 (LF3)	30.1	7.02	5.69	75.5	151	*	0.71	5.43	< 2	*	*	0.02	< 0.02	< 0.02	9	*	*	12.4	14.6
8/8/00 9:12 AM	6.12	10462 (LF4)	30	8.25	7.31	96.7	143	*	0.79	4.24	2	*	*	0.013	< 0.02	< 0.02	9	*	*	10.9	15.3
8/8/00 8:12 AM	6.12	10458 (LF2)	28.7	6.46	3.6	46.5	148	*	1.14	3.44	< 2	*	*	0.016	< 0.02	< 0.02	8	*	*	12	16.1
8/8/00 2:35 PM	6.10	10469 (LF20)	30	7.36	7.62	101	172	*	0.46	21.8	43	*	*	0.006	0.1	< 0.02	6	*	*	15.3	17.7
8/9/00 9:10 AM	6.02	10467 (BS18)	27.4	6.46	5.17	65.3	117	*	> 1.37	7.14	17	*	*	0.039	0.15	< 0.02	4	*	*	13.8	6.4
8/8/00 1:54 PM	6.00	10430 (SR21)	31.2	7.54	8.18	112	370	*	0.42	22.8	23	*	*	0.011	< 0.02	< 0.02	7	*	*	18	35.3
8/8/00 2:59 PM	6.00	10429 (SR19)	31.8	7.29	7.76	106	241	*	0.32	28.4	20	*	*	0.003	< 0.02	< 0.02	6	*	*	23.4	24.1
8/9/00 9:30 AM	5.00	10428 (SR17)	30.5	6.78	5.84	77.9	229	*	0.66	17.9	7	*	*	0.027	*	*	7	*	*	14.5	21.5
8/9/00 9:55 AM	5.00	10427 (SR16)	30.8	6.8	5.64	75.7	281	*	0.54	22.5	27	*	*	0.031	*	*	7	*	*	21.5	22.9
8/9/00 10:13 AM	5.00	10426 (SR15)	30.9	6.84	5.76	77.4	304	*	0.59	27.6	> 1200	*	*	*	*	*	6	*	*	23.4	26.3
8/9/00 10:54 AM	5.00	10423 (SR14)	30.8	6.82	6.42	86.2	333	*	0.58	14.9	23	*	*	0.081	*	*	6	*	*	25.4	26.5
8/9/00 11:32 AM	5.00	13628 (SR11)	31.1	7.25	6.93	93.6	546	*	0.53	14.6	7	*	*	< 0.001	*	*	8	*	*	40.5	59.8
8/9/00 12:05 PM	5.00	10415 (SR10)	31.5	7.03	6.11	83.2	505	*	0.53	19.2	7	*	*	0.028	*	*	8	*	*	35.4	53.8

\*: Not sampled on this run

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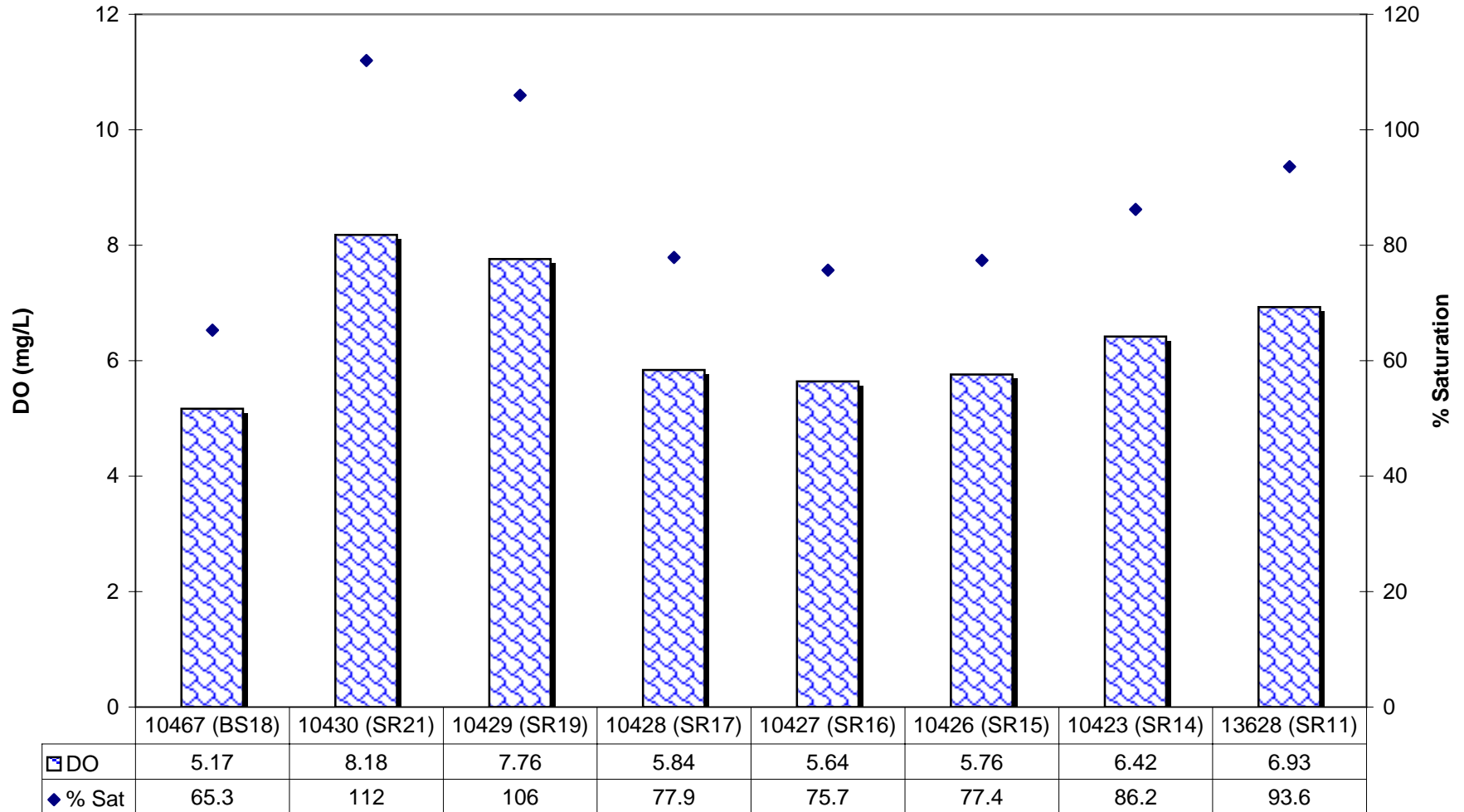
## Upper Sabine Basin DO / % Saturation (1 of 2)



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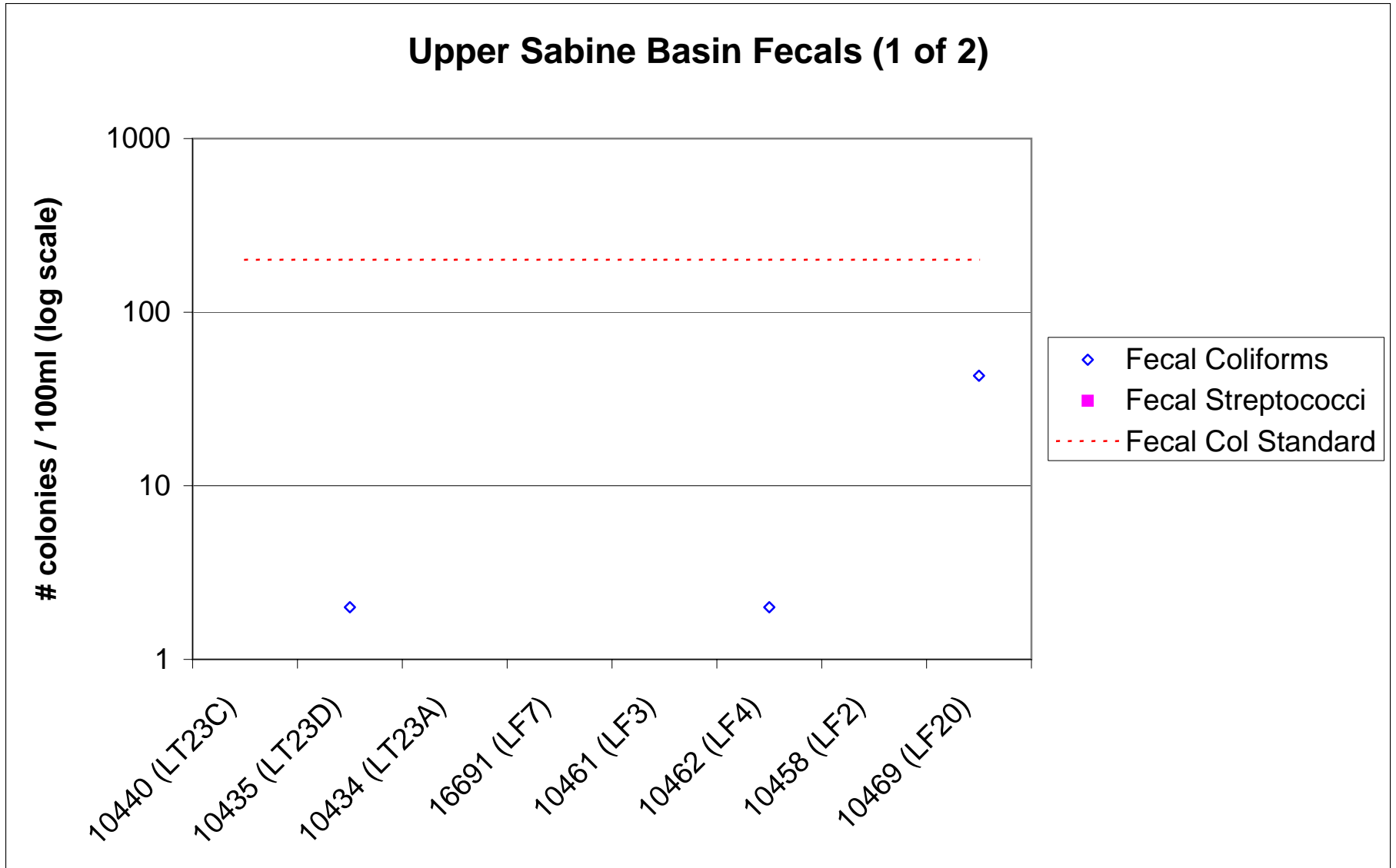
August 2000

## Upper Sabine Basin DO / % Saturation (2 of 2)



# SABINE RIVER AUTHORITY OF TEXAS

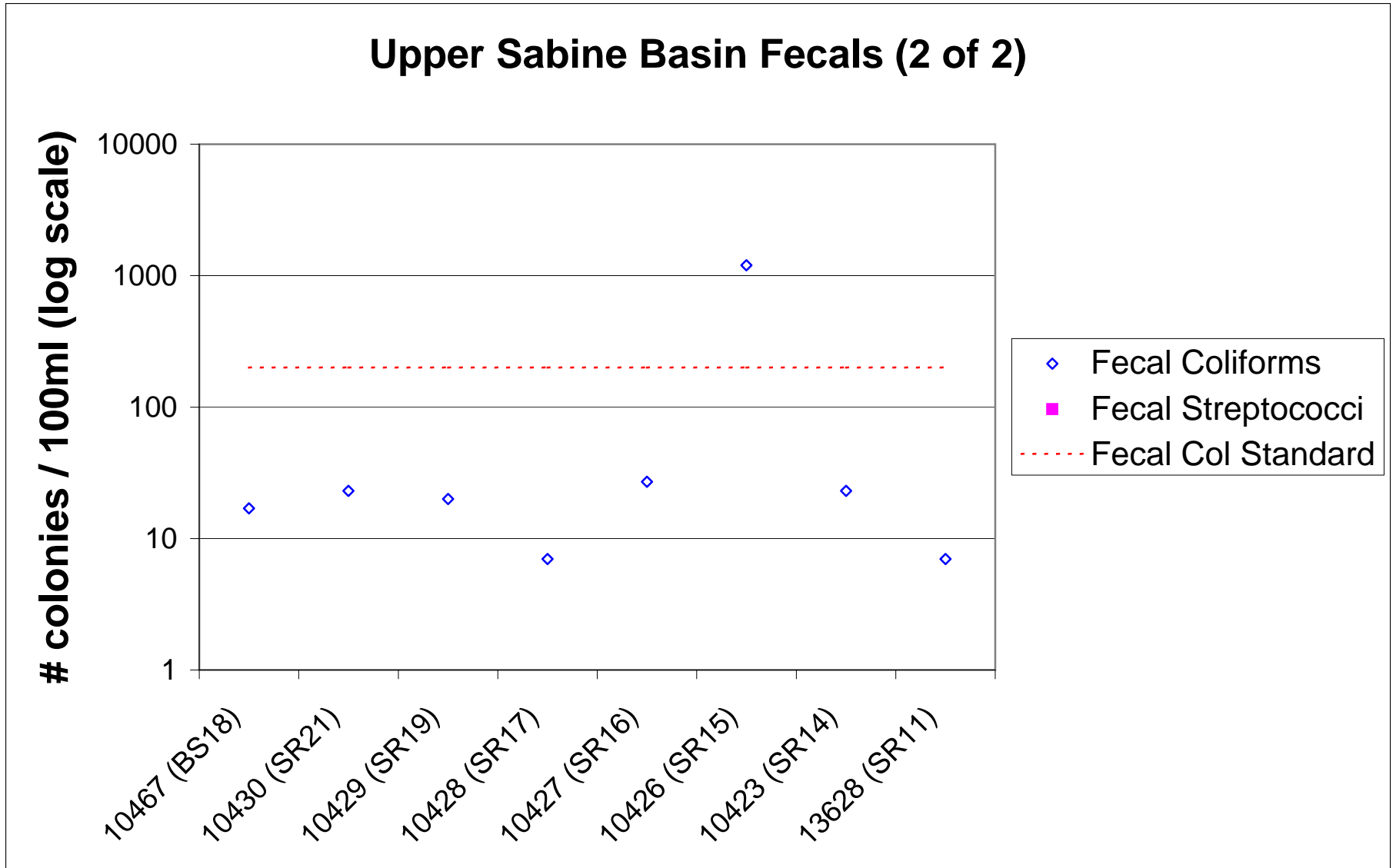
August 2000



Stations without values were below detection limit or not sampled on this run (see page 2).

# SABINE RIVER AUTHORITY OF TEXAS

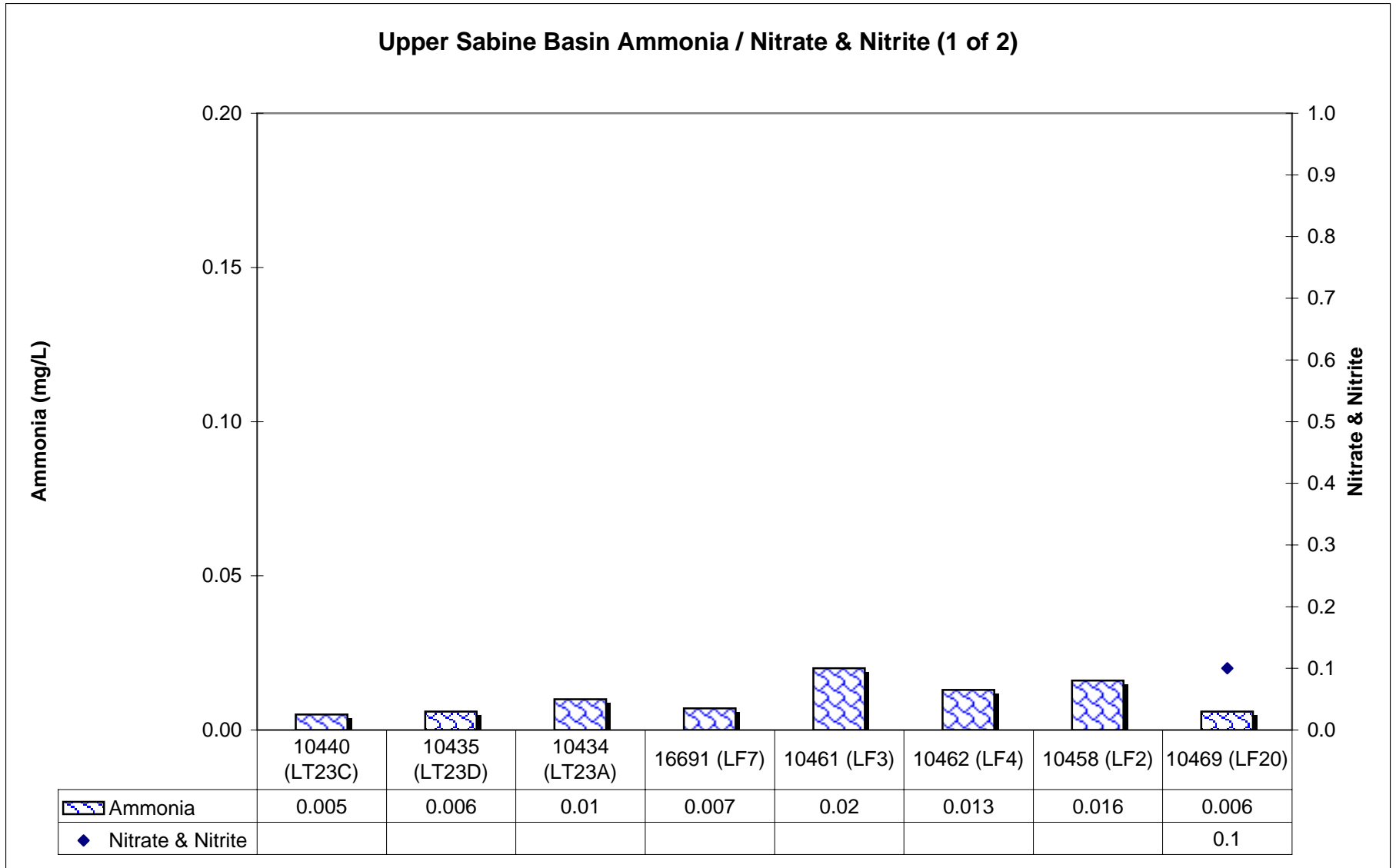
August 2000



Stations without values were below detection limit or not sampled on this run (see page 2).

# SABINE RIVER AUTHORITY OF TEXAS

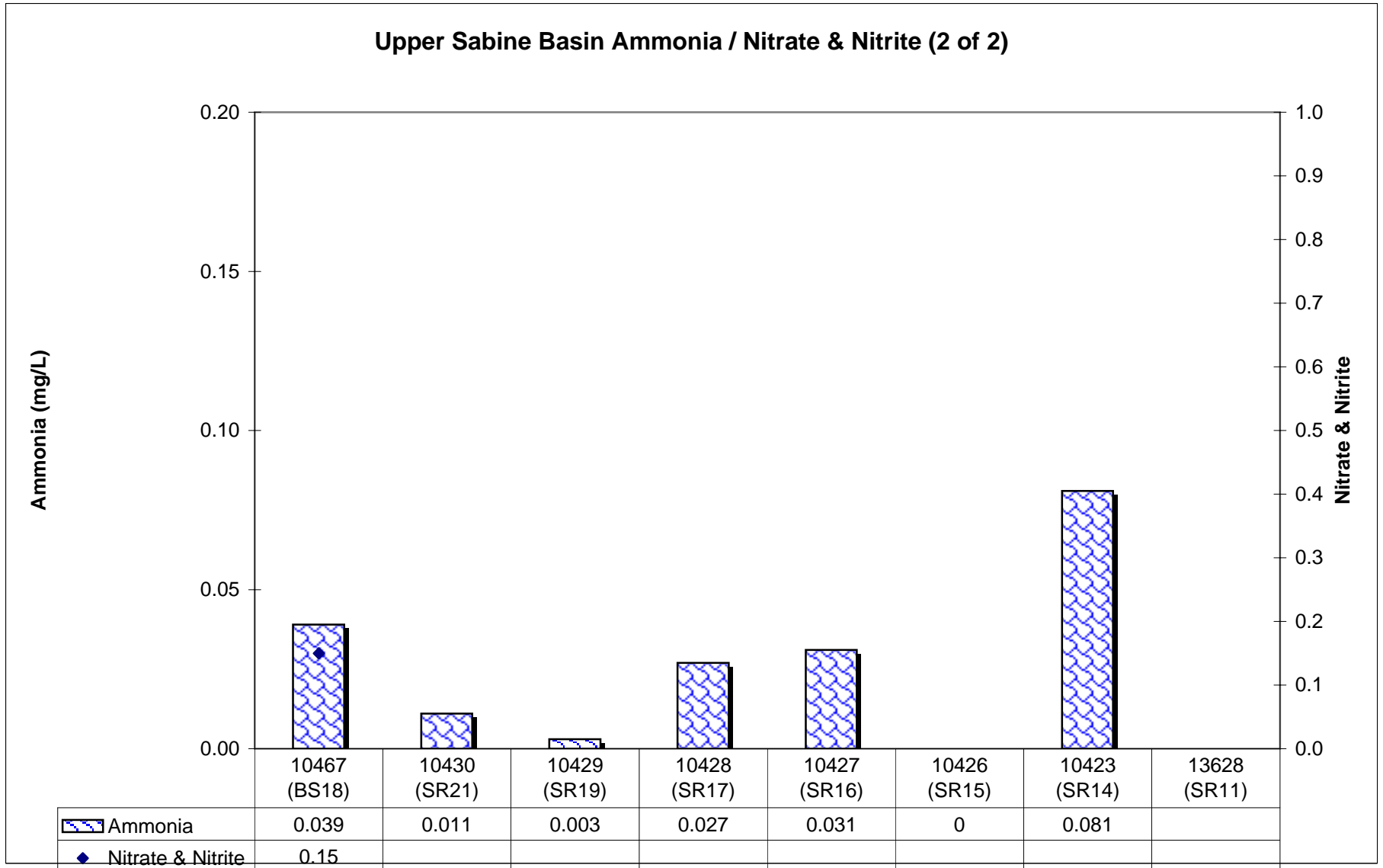
August 2000



Stations without values were below detection limit or not sampled on this run (see page 2).

# SABINE RIVER AUTHORITY OF TEXAS

August 2000



Stations without values were below detection limit or not sampled on this run (see page 2).

# SABINE RIVER AUTHORITY OF TEXAS

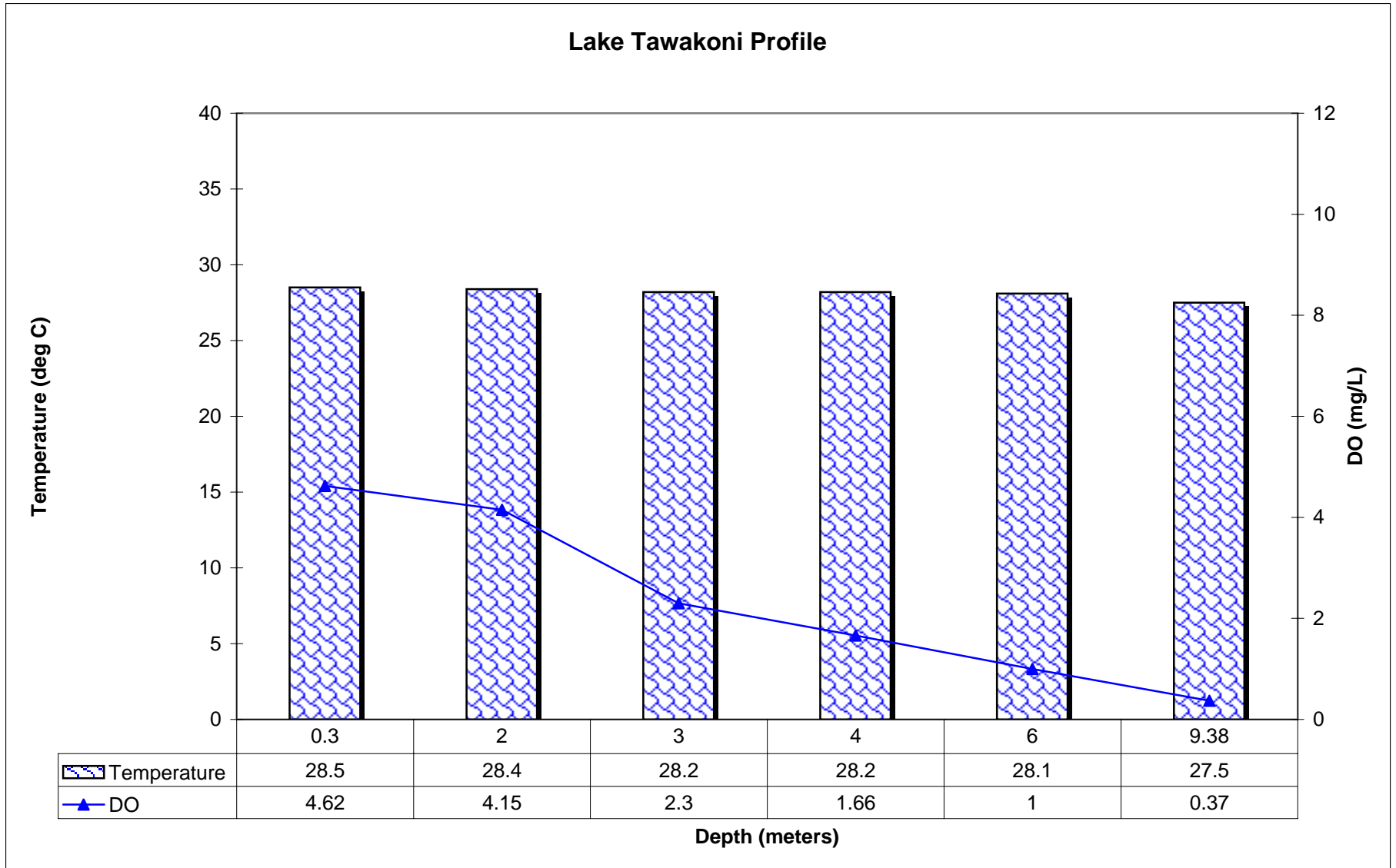
## Upper Basin Profiles

August 2000

Date	SW ID	Station	Depth Meters	Temperature °C 00010	pH Units 00400	DO mg/L 00300	% Saturation 00301	Conductivity μS/cm 00094
8/8/00 12:44 PM	7.00	10440 (LT23C)	0.3	31.3	8.73	10.2	138	192
			1	31.1	8.72	10.2	137	192
			2	30.8	8.59	8.81	118	192
			3	30.6	8.45	7.76	104	192
			4.22	30.5	8.44	7.29	97.6	193
8/8/00 11:48 AM	7.00	10435 (LT23D)	0.3	30.8	8.3	8.96	120	194
			1	30.3	8.2	8.39	111	195
			2	29.5	7.67	5.2	68.2	196
			3	29.2	7.41	4.11	53.3	196
			4	29	7.23	3.48	45.3	196
			5	28.9	7.14	2.61	33.6	197
			6	28.8	7.06	1.89	24.5	198
			7	28.8	6.99	1.7	22.1	198
8.66	28.9	7.05	1.68	21.6	198			
8/8/00 10:40 AM	7.00	10434 (LT23A)	0.3	28.5	7.27	4.62	59.6	198
			2	28.4	7.13	4.15	53.4	198
			3	28.2	7.15	2.3	29.3	199
			4	28.2	6.88	1.66	21.3	199
			6	28.1	6.8	1	12.9	200
			9.38	27.5	6.85	0.37	4.7	208
8/8/00 9:45 AM	6.12	16691 (LF7)	0.3	30.1	7.91	6.92	91.7	135
			4	30	7.6	6.61	87.5	134
			5	29.9	6.93	4.47	60.8	135
			5.63	29.6	6.79	0.4	5.3	140
8/8/00 8:45 AM	6.12	10461 (LF3)	0.3	30.1	7.02	5.69	75.5	151
			1	30.1	7.04	5.68	75.3	151
			2	30.1	7.05	5.72	75.8	151
			4	30.1	7.02	5.81	77.1	151
			6	30.1	6.92	5.78	76.5	151
			7	30	6.76	5.59	74.3	151
			8	29.6	6.55	1.89	25	155
			9.07	28.6	6.39	0.41	5.3	175
08/08/2000 9:12	6.12	10462 (LF4)	0.3	30	8.25	7.31	96.7	143
			5	30	8.17	7.14	94.5	143
			7	29.9	7.48	6.26	82.8	143
			8	29.5	6.6	1.76	23.2	140
			9	28	6.48	0.33	4.3	153
10.9	24.8	6.48	0.36	4.4	185			
08/08/2000 8:12	6.12	10458 (LF2)	0.3	28.7	6.46	3.6	46.5	148
			1	28.7	6.5	3.55	45.9	148
			2	28.6	6.51	3.42	44.1	148
			3	28.6	6.45	3.02	39.2	148
			4	28.6	6.41	2.76	35.8	148
			5	28.6	6.32	2.41	31.1	148
			6	28.5	6.06	1.62	20.7	148
			7	28.2	6	0.78	10	152
			10	25.4	5.98	0.7	8.5	166
			13.1	21.5	6.24	0.59	6.8	180

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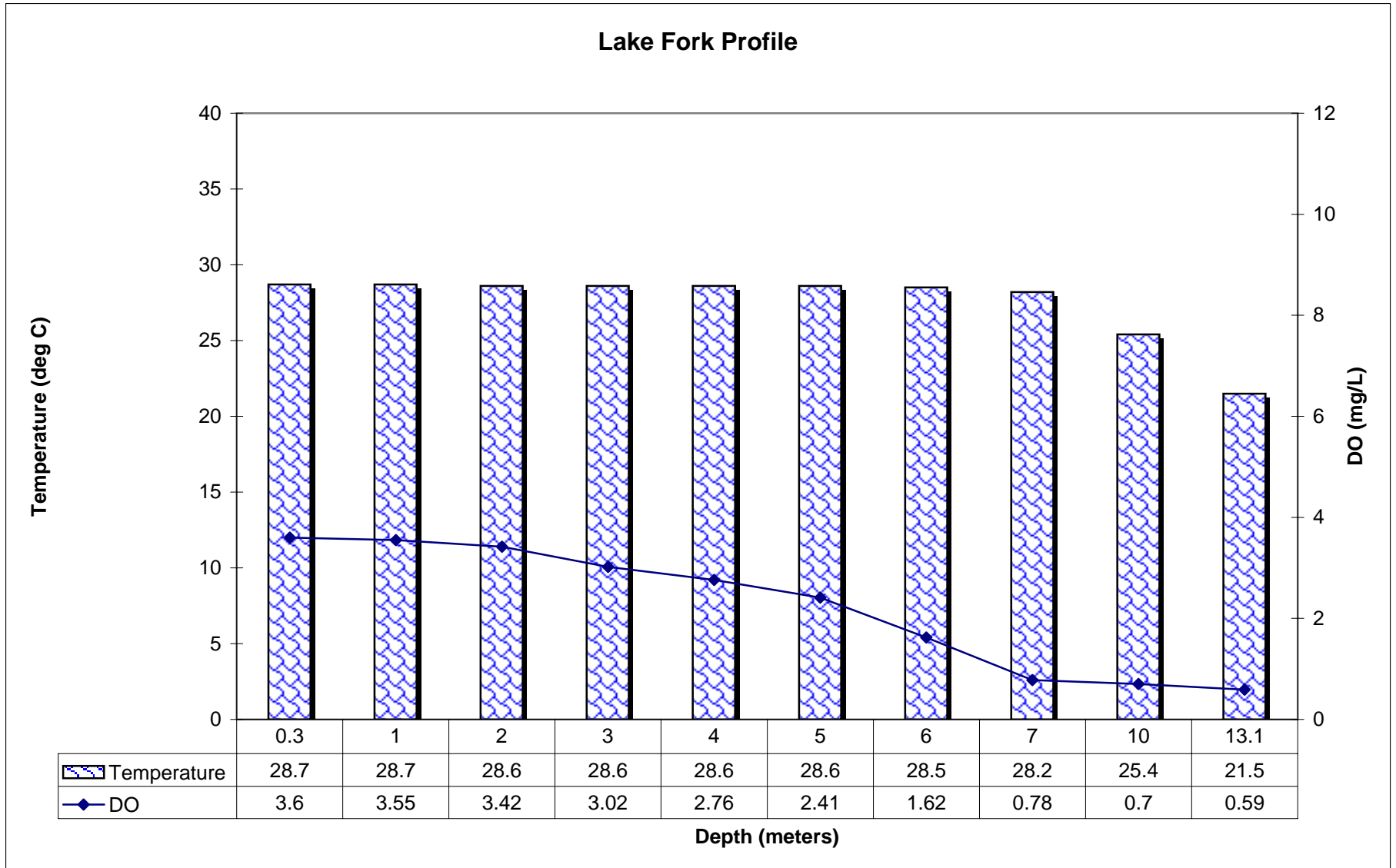
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For Station 10434 (LT23A): LAKE TAWAKONI IN THE MAIN LAKE NEAR THE DAM IN THE OLD RIVER CHANNEL

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## Lake Tawakoni Weather and Reservoir Data

August 2000

Date	Lake Elev	LE - TOP	Releases inst	Max Temp	Min Temp	Rainfall	Evap
08/01/2000	437.06	(0.44)	5	94	70	0.00	0.30
08/02/2000	437.03	(0.47)	5	97	70	0.00	0.33
08/03/2000	437.01	(0.49)	5	102	72	0.00	0.35
08/04/2000	436.98	(0.52)	5	102	74	0.00	0.39
08/05/2000	436.95	(0.55)	5	100	76	0.00	0.35
08/06/2000	436.92	(0.58)	5	100	77	0.00	0.48
08/07/2000	436.89	(0.61)	5	101	77	0.00	0.56
08/08/2000	436.87	(0.63)	5	102	77	0.00	0.45
08/09/2000	436.85	(0.65)	5	100	74	0.00	0.44
08/10/2000	436.83	(0.67)	5	99	75	0.00	0.40
08/11/2000	436.81	(0.69)	5	102	75	0.00	0.33
08/12/2000	436.78	(0.72)	5	105	75	0.00	0.34
08/13/2000	436.76	(0.74)	5	101	70	0.00	0.39
08/14/2000	436.74	(0.76)	5	98	67	0.00	0.43
08/15/2000	436.70	(0.80)	5	100	69	0.00	0.44
08/16/2000	436.69	(0.81)	5	102	74	0.00	0.35
08/17/2000	436.66	(0.84)	5	104	74	0.00	0.42
08/18/2000	436.62	(0.88)	5	106	79	0.00	0.42
08/19/2000	436.59	(0.91)	5	107	78	0.00	0.49
08/20/2000	436.55	(0.95)	5	105	78	0.00	0.49
08/21/2000	436.52	(0.98)	5	103	76	0.00	0.47
08/22/2000	436.50	(1.00)	5	103	75	0.00	0.35
08/23/2000	436.47	(1.03)	5	102	73	0.00	0.38
08/24/2000	436.44	(1.06)	5	100	72	0.00	0.37
08/25/2000	436.41	(1.09)	5	101	73	0.00	0.32
08/26/2000	436.38	(1.12)	5	102	75	0.00	0.44
08/27/2000	436.35	(1.15)	5	103	75	0.00	0.44
08/28/2000	436.21	(1.29)	5	106	75	0.00	0.52
08/29/2000	436.28	(1.22)	5	102	76	0.00	0.34
08/30/2000	436.25	(1.25)	5	105	75	0.00	0.47
08/31/2000	436.23	(1.27)	5	107	74	0.00	0.10
<b>Avg or Tot</b>	436.66	(0.84)	5	102	74	0.00	12.35

	Avg	Avg	Avg	Avg	Avg	Tot	Tot
Units	Feet M.S.L.	Feet	cfs	Deg F	Deg F	Inches	Inches
		Instantaneous appx. 8 a.m.					

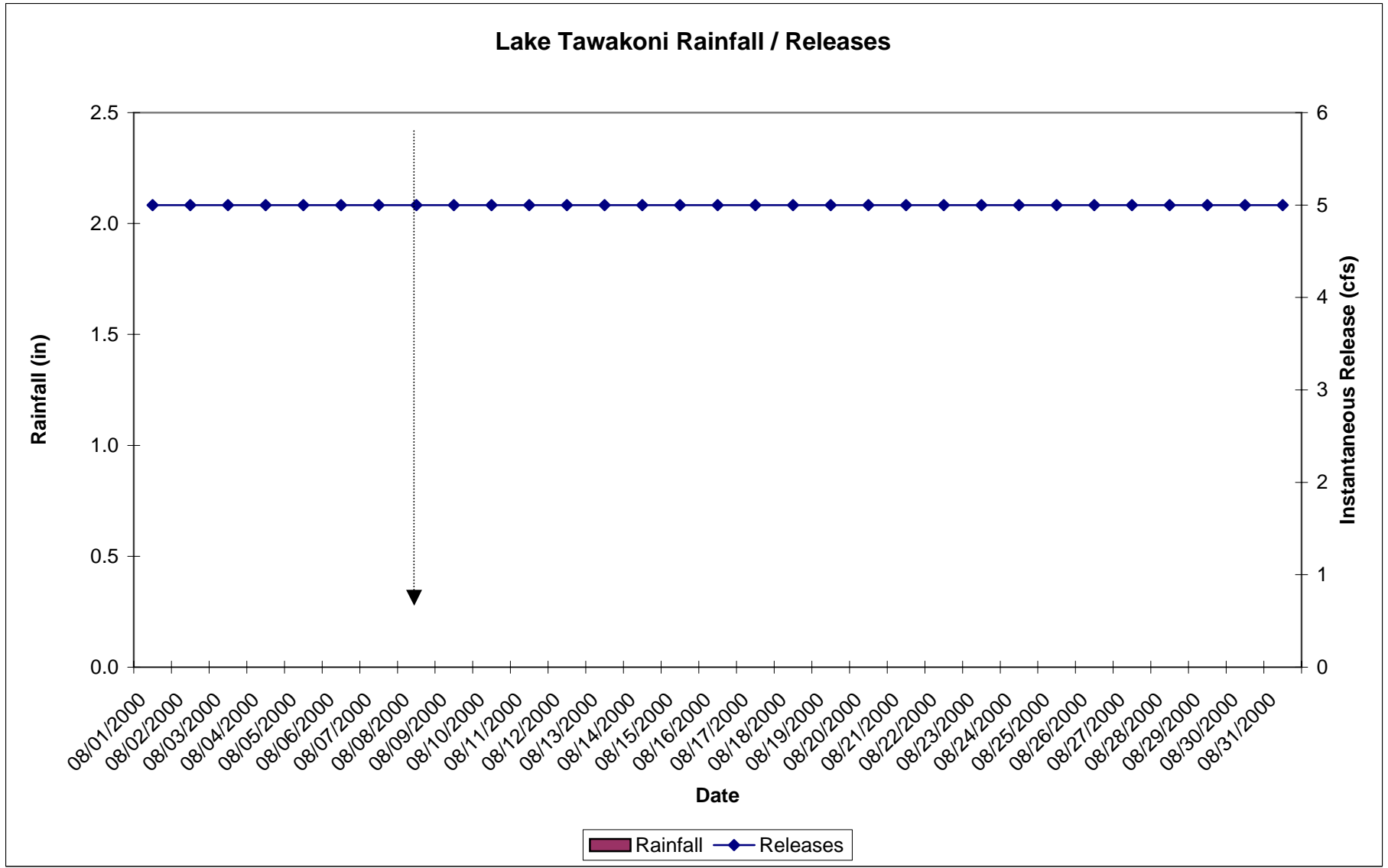
NR: No Reading

TOP: Top of Pool = 437.5 Feet M.S.L.

Lake Tawakoni Sampled on 8/8/2000

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August 2000



Please Note : Lake Tawakoni has an uncontrolled spillway.

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## Lake Fork Weather and Reservoir Data

August 2000

Date	Lake Elev	LE - TOP	Releases avg	Releases cur	Max Temp	Min Temp	Rainfall	Evap
08/01/2000	402.54	(0.46)	48	48	94	70	0.00	0.39
08/02/2000	402.49	(0.51)	50	50	95	71	0.00	0.33
08/03/2000	402.49	(0.51)	50	50	99	73	0.00	0.36
08/04/2000	402.44	(0.56)	50	50	100	75	0.00	0.39
08/05/2000	402.44	(0.56)	50	50	98	75	0.00	0.33
08/06/2000	402.39	(0.61)	50	50	97	75	0.00	0.43
08/07/2000	402.39	(0.61)	50	50	98	77	0.00	0.41
08/08/2000	402.34	(0.66)	50	50	99	77	0.00	0.40
08/09/2000	402.29	(0.71)	50	50	98	76	0.00	0.45
08/10/2000	402.29	(0.71)	50	50	96	75	0.00	0.38
08/11/2000	402.29	(0.71)	50	50	100	76	0.00	0.35
08/12/2000	402.24	(0.76)	50	50	104	75	0.00	0.36
08/13/2000	402.24	(0.76)	50	50	99	69	0.00	0.43
08/14/2000	402.19	(0.81)	50	50	95	67	0.00	0.44
08/15/2000	402.14	(0.86)	50	50	99	70	0.00	0.39
08/16/2000	402.14	(0.86)	50	50	100	74	0.00	0.35
08/17/2000	402.09	(0.91)	50	50	101	75	0.00	0.36
08/18/2000	402.09	(0.91)	50	50	104	77	0.00	0.41
08/19/2000	402.04	(0.96)	50	50	105	76	0.00	0.42
08/20/2000	402.04	(0.96)	50	50	105	74	0.00	0.47
08/21/2000	401.99	(1.01)	50	50	98	77	0.00	0.44
08/22/2000	401.99	(1.01)	50	50	103	73	0.00	0.44
08/23/2000	401.94	(1.06)	50	50	102	74	0.00	0.31
08/24/2000	401.94	(1.06)	50	50	98	74	0.00	0.31
08/25/2000	401.94	(1.06)	50	50	98	72	0.00	0.33
08/26/2000	401.89	(1.11)	50	50	98	74	0.00	0.30
08/27/2000	401.84	(1.16)	50	50	104	76	0.00	0.33
08/28/2000	401.79	(1.21)	50	50	100	77	0.00	0.46
08/29/2000	401.79	(1.21)	50	50	100	76	0.00	0.40
08/30/2000	401.74	(1.26)	50	50	102	74	0.00	0.50
08/31/2000	401.74	(1.26)	50	50	106	73	0.00	0.26
<b>Avg or Tot</b>	402.14	(0.86)	50	50	100	74	0.00	11.93

Avg	Avg	Avg	Avg	Avg	Avg	Tot	Tot
Units	Feet M.S.L.	Feet	cfs	cfs	Deg F	Deg F	Inches Inches
			Previous 24 hrs				

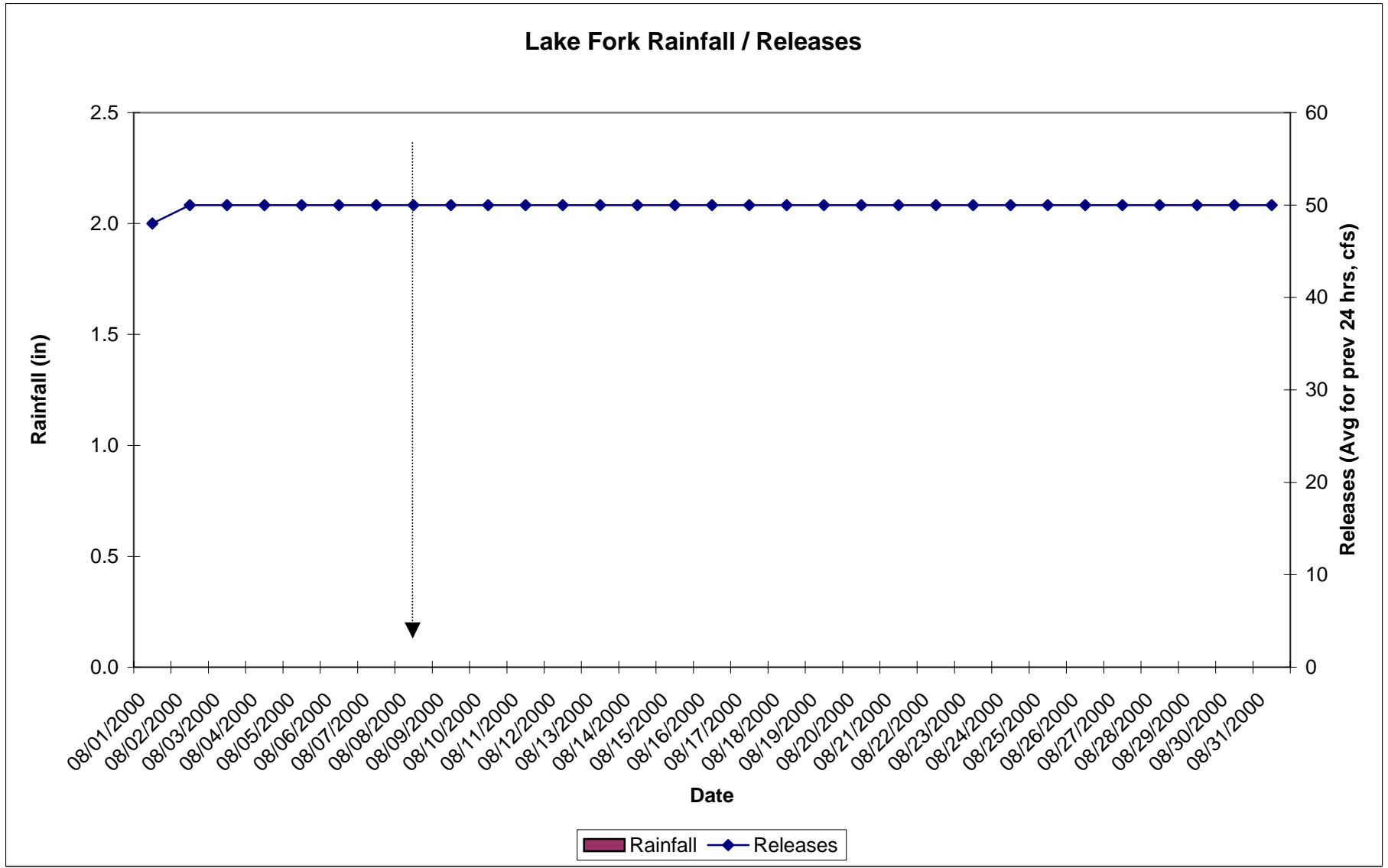
TOP: Top of Pool = 403 Feet M.S.L.

FRZN: Gauge Frozen

Lake Fork Sampled on 8/8/2000

# SABINE RIVER AUTHORITY OF TEXAS

August 2000



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# *Current WQMP Stations*

## *Lower Sabine Basin*

<i>SW</i>	<i>Segment Station</i>	<i>Location</i>
4.10	0504 15658 (TB6N)	BAYOU SCIE AT LA SH 91
4.00	0504 10403 (TB8)	TOLEDO BEND RESERVOIR AT US 84
4.00	0504 10412 (TB6I)	TOLEDO BEND RESERVOIR AT TENAHA CREEK
4.00	0504 15657 (TB6M)	TOLEDO BEND RESERVOIR IN SAN PATRICIA ARM
4.00	0504 15656 (TB6L)	TOLEDO BEND RESERVOIR IN SAN MIGUEL ARM
4.00	0504 15655 (TB6J)	TOLEDO BEND RESERVOIR PATROON BAYOU BRANCH
4.00	0504 15659 (TB6K)	TOLEDO BEND RESERVOIR IN LANANA BAYOU
4.00	0504 10402 (TB6H)	TOLEDO BEND RESERVOIR AT SH 21
4.00	0504 10411 (TB6F)	TOLEDO BEND RESERVOIR IN SUNSHINE BAY
4.00	0504 10407 (TB6CN)	TOLEDO BEND RESERVOIR IN SIX MILE BOAT LANE
4.00	0504 10404 (TB6A)	TOLEDO BEND RESERVOIR ABOVE THE DAM
3.03	0503 10340 (BA4)	ANACOCO BAYOU AT LA HWY 111
3.00	0503 10401 (TB6S)	SABINE RIVER AT TOLEDO BEND SPILLWAY
3.00	0503 10400 (TB6)	SABINE RIVER BELOW POWERHOUSE
3.00	0503 10399 (SR5)	SABINE RIVER AT SH 63
3.00	0503 10398 (SR3)	SABINE RIVER AT US 190
2.05	0513 10465 (BCC1)	BIG COW CREEK AT FM 1416
2.00	0503 10397 (SR2)	SABINE RIVER AT SH 12

# SABINE RIVER AUTHORITY OF TEXAS

## Lower Basin Report

August 2000

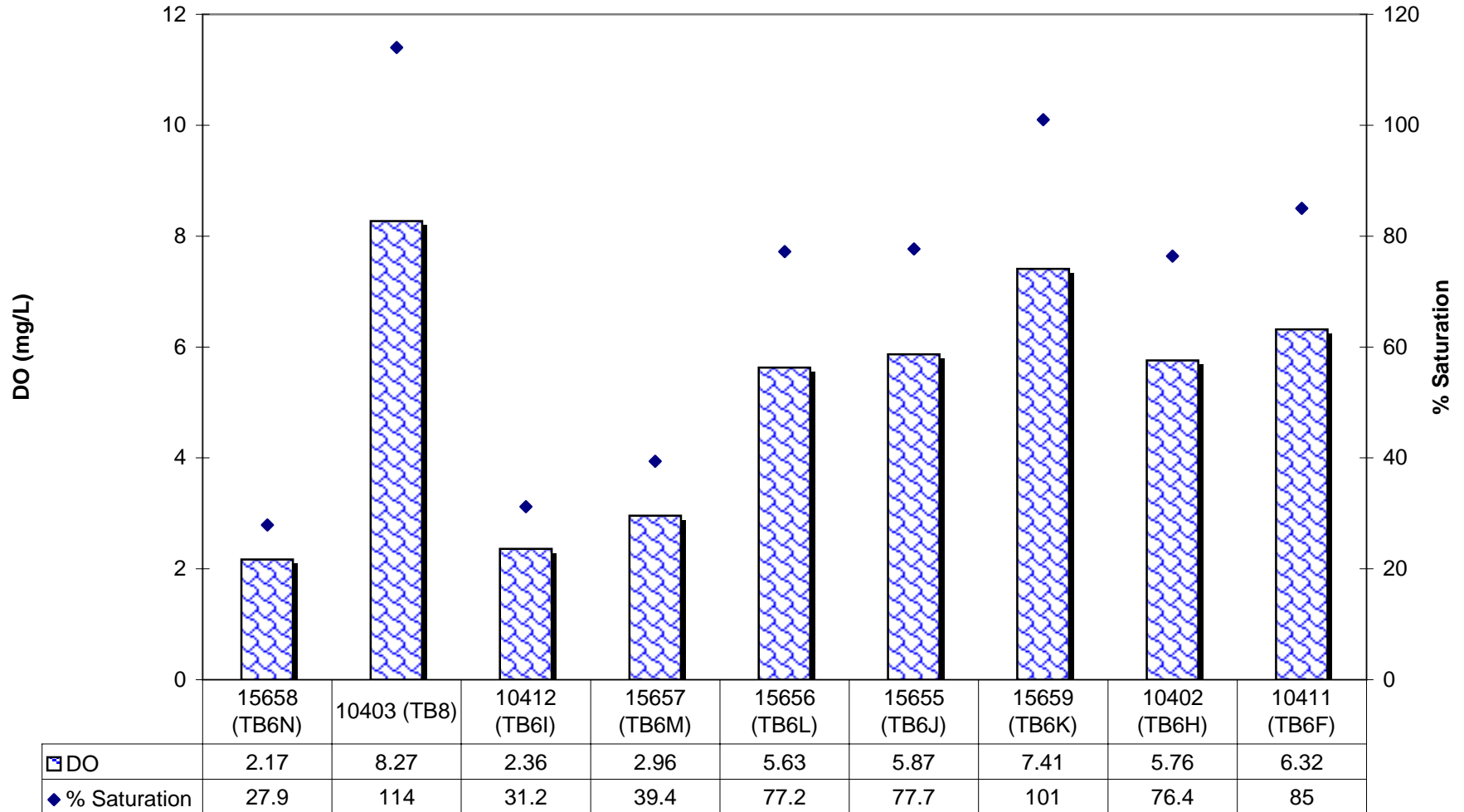
Date	SW ID	Station	Temperature	pH	DO	%	Conductivity	Salinity	Secchi	Turbidity	Fecal	Fecal	Chlorophyll a	Ammonia	Nitrate &	Ortho-	TOC	Total	Total	Chloride	Sulfate
			°C 00010	Units 00400	mg/L 00300	Saturation 00301	µS/cm 00094	ppt 00480	Meters 00078	NTU 82079	Coliform 31616	Strep 31673	µg/L 32211	mg/L 00610	Nitrite 00630	Phosphate 00671	mg/L 00680	Alkalinity 00410	Hardness 00900	mg/L 00940	mg/L 00945
8/9/00 12:40 PM	4.10	15658 (TB6N)	27.9	7.58	2.17	27.9	743	*	0.57	7.01	33	57	*	0.146	0.05	1.81	16	*	64	38.5	7.7
8/9/00 12:34 PM	4.00	10403 (TB8)	32.8	7.08	8.27	114	372	*	0.61	7.73	17	*	*	0.023	*	*	7	*	*	22.1	36.7
8/9/00 1:00 PM	4.00	10412 (TB6I)	30.1	6.46	2.36	31.2	245	*	0.94	3.1	40	*	*	*	*	*	12	*	*	13.9	7
8/9/00 1:07 PM	4.00	15657 (TB6M)	29.8	6.76	2.96	39.4	162	*	1.06	2.74	11	*	*	0.028	0.05	< 0.02	10	*	36	19.1	5.5
8/9/00 12:50 PM	4.00	15656 (TB6L)	32	7.16	5.63	77.2	176	*	0.67	6.38	2	*	*	0.023	0.07	< 0.02	9	*	40	19.3	11.7
8/9/00 10:14 AM	4.00	15655 (TB6J)	31.2	7.62	5.87	77.7	196	*	1	5.01	*	*	*	< 0.02	< 0.02	< 0.02	6	*	*	20.8	18
8/9/00 12:05 PM	4.00	15659 (TB6K)	31.6	8.46	7.41	101	186	*	1.3	1.9	< 2	*	*	0.021	0.04	< 0.02	5	*	40	19.7	17.1
8/9/00 11:00 AM	4.00	10402 (TB6H)	30	7.46	5.76	76.4	193	*	1.84	1.42	< 2	*	*	0.027	0.06	< 0.02	6	*	40	20.6	17.6
8/9/00 10:40 AM	4.00	10411 (TB6F)	30.6	7.37	6.32	85	163	*	1.32	2.32	< 2	*	*	0.026	0.04	< 0.02	7	*	36	15.8	13.7
8/9/00 9:33 AM	4.00	10407 (TB6CN)	30.5	7.45	6.43	85.4	145	*	1.88	1.51	< 2	*	*	0.024	< 0.02	< 0.02	6	*	32	13.9	13
8/9/00 9:55 AM	4.00	10404 (TB6A)	30.2	7.28	6.5	86.2	172	*	2.51	0.83	< 2	*	*	0.017	< 0.02	< 0.02	4	*	36	14.2	15.1
8/9/00 12:25 PM	3.03	10340 (BA4)	30.2	7.51	6.63	88	695	*	0.17	16.4	18	67	*	0.099	0.52	0.15	10	*	40	25	140
8/9/00 10:30 AM	3.00	10401 (TB6S)	28.4	7.36	7.44	96	168	*	> 1.5	1.5	40	*	*	0.035	0.04	< 0.02	6	*	32	14.7	15.5
8/9/00 10:45 AM	3.00	10400 (TB6)	23.8	6.71	4.42	52.2	177	*	> 1	2.71	< 2	*	*	0.031	< 0.02	< 0.02	6	*	36	13	14.4
8/9/00 12:00 PM	3.00	10399 (SR5)	29.3	6.95	5.45	71.2	180	*	> 2.2	2.02	18	*	*	0.036	0.03	< 0.02	6	*	32	14.3	14.9
8/9/00 12:48 PM	3.00	10398 (SR3)	30	7.12	6.3	83.4	160	*	*	9.8	22	*	*	0.036	0.05	< 0.02	5	*	36	14.3	15.1
8/9/00 8:50 AM	2.05	10465 (BCC1)	25.6	6.53	7.07	86.2	76	*	> 0.4	13.1	46	*	*	0.016	0.07	< 0.02	4	*	16	5.1	2.2
8/9/00 8:15 AM	2.00	10397 (SR2)	29.7	7.03	6.17	81.1	203	*	0.4	17.2	13	*	*	0.024	0.02	< 0.02	6	*	36	14.9	17

\*: Not sampled on this run

# SABINE RIVER AUTHORITY OF TEXAS

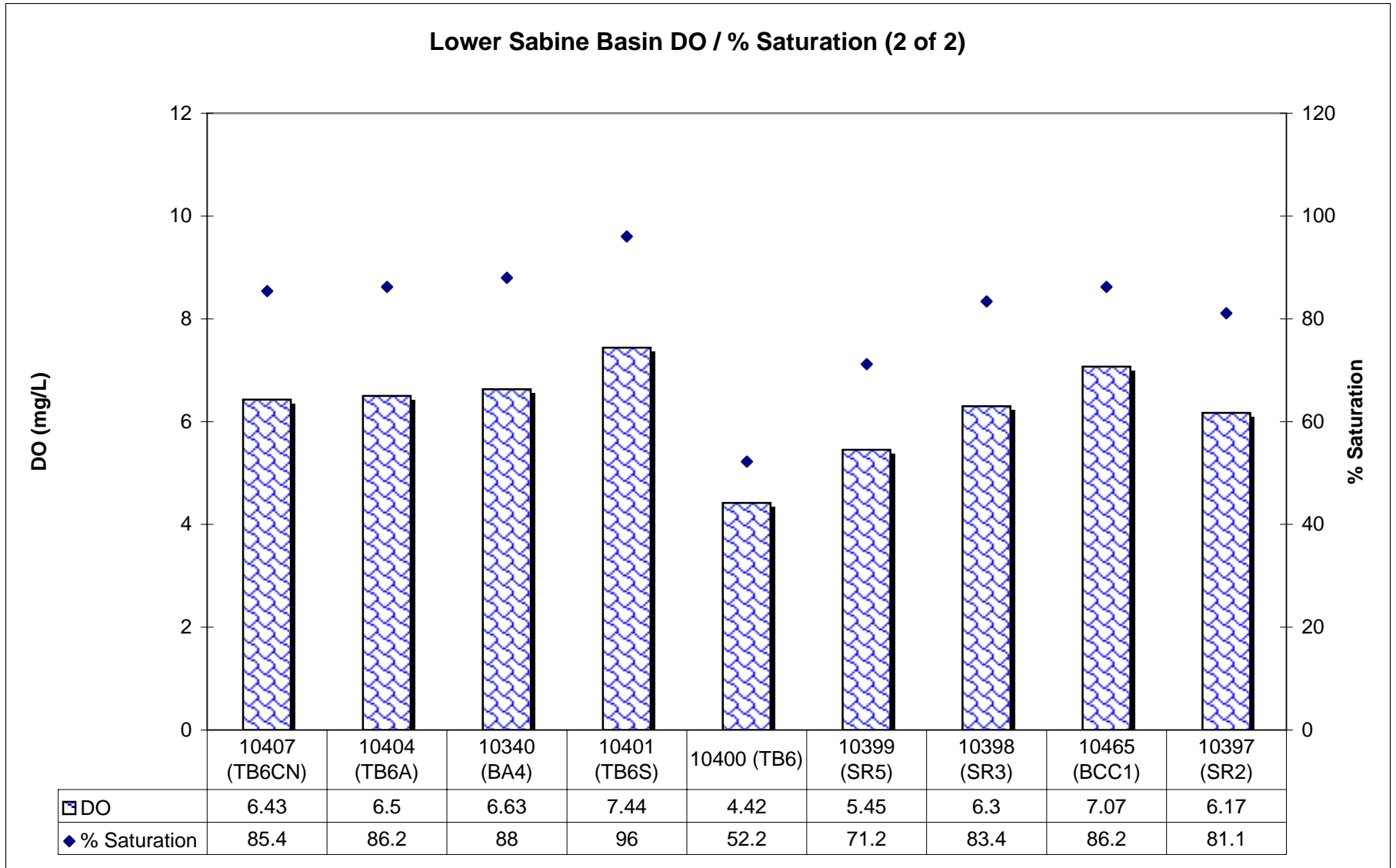
August 2000

### Lower Sabine Basin DO / % Saturation (1 of 2)



# SABINE RIVER AUTHORITY OF TEXAS

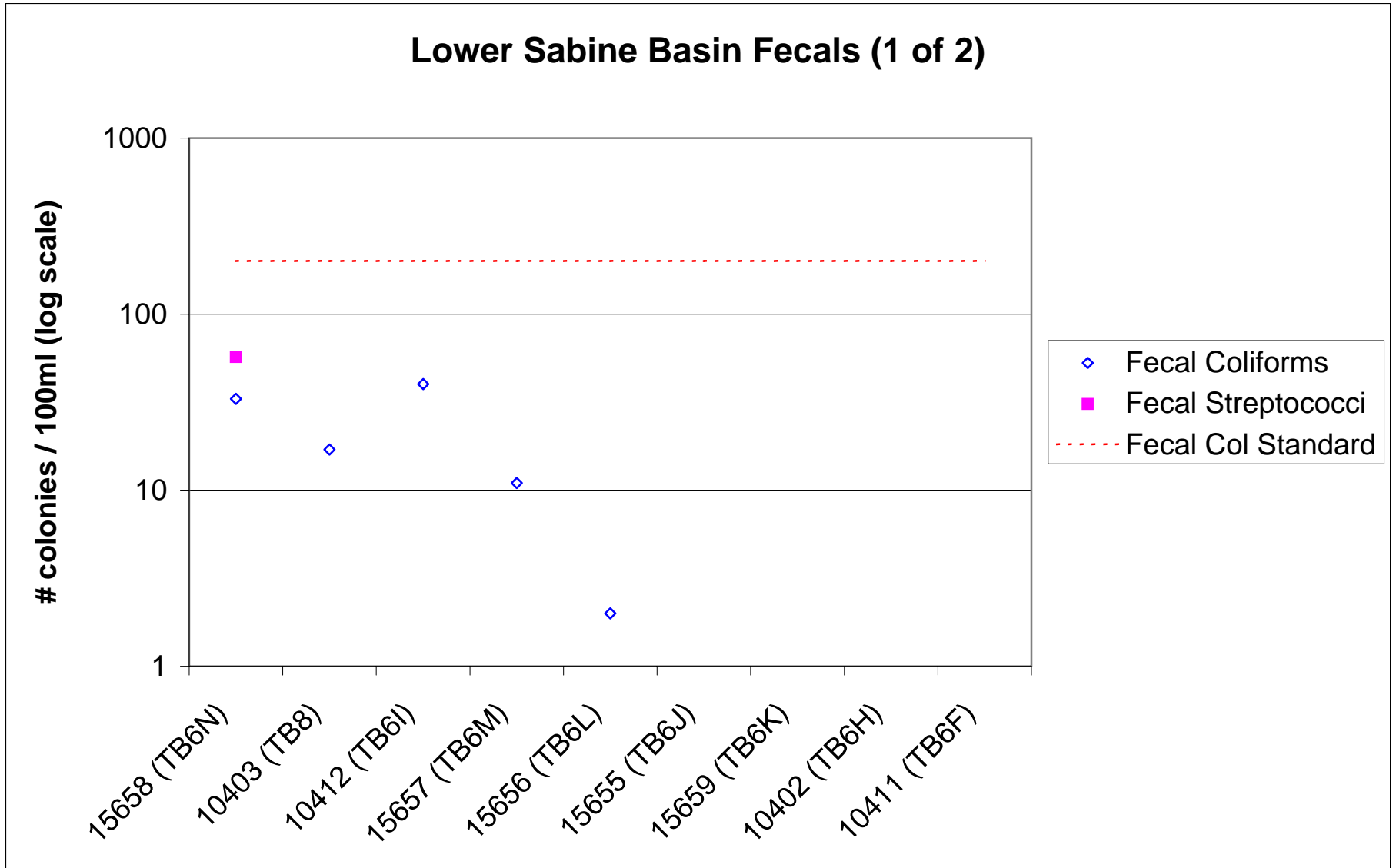
August 2000



Stations without values were not sampled on this run (see page 18).

# SABINE RIVER AUTHORITY OF TEXAS

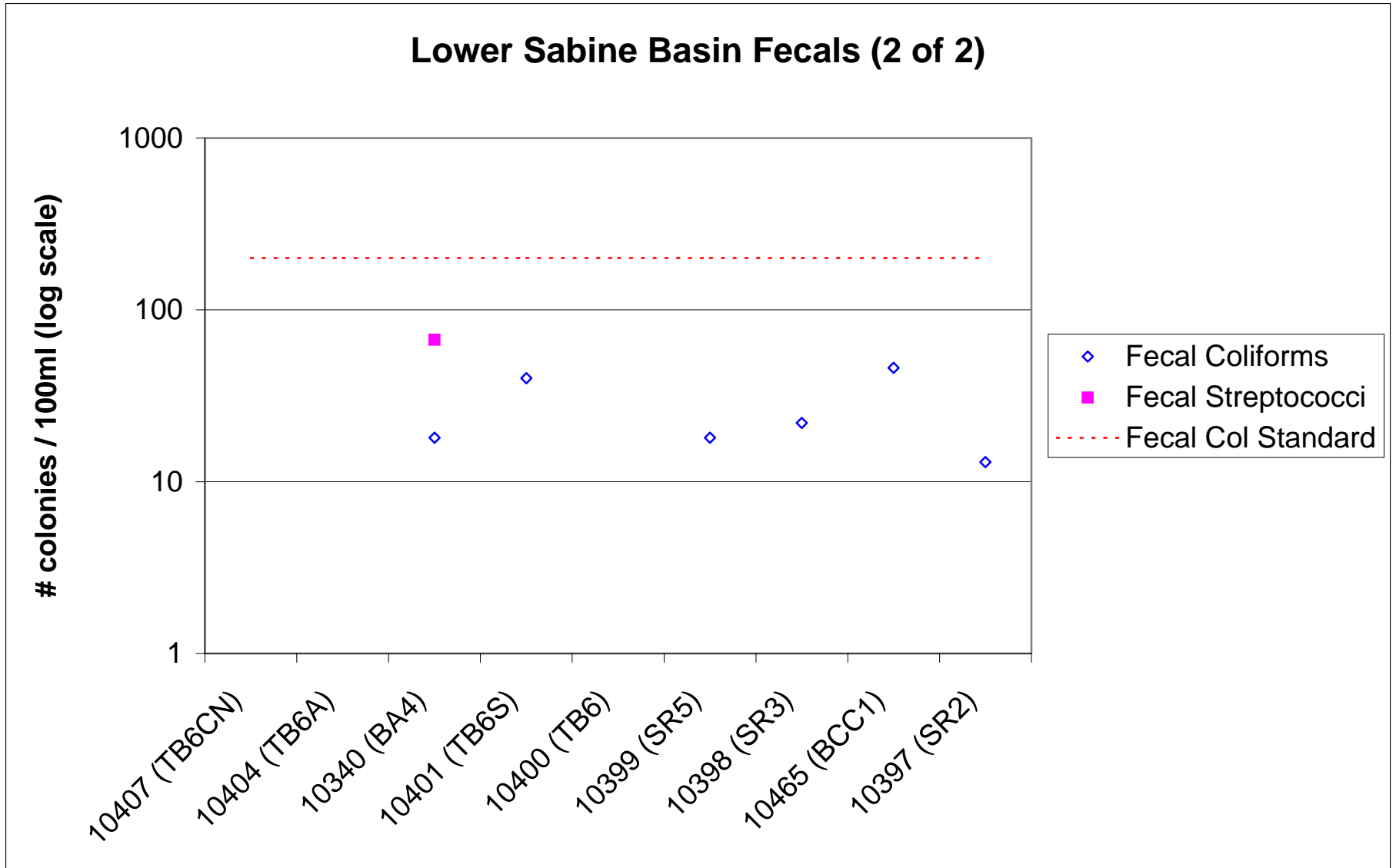
August 2000



Stations without values were below detection limit or not sampled on this run (see page 18).

# SABINE RIVER AUTHORITY OF TEXAS

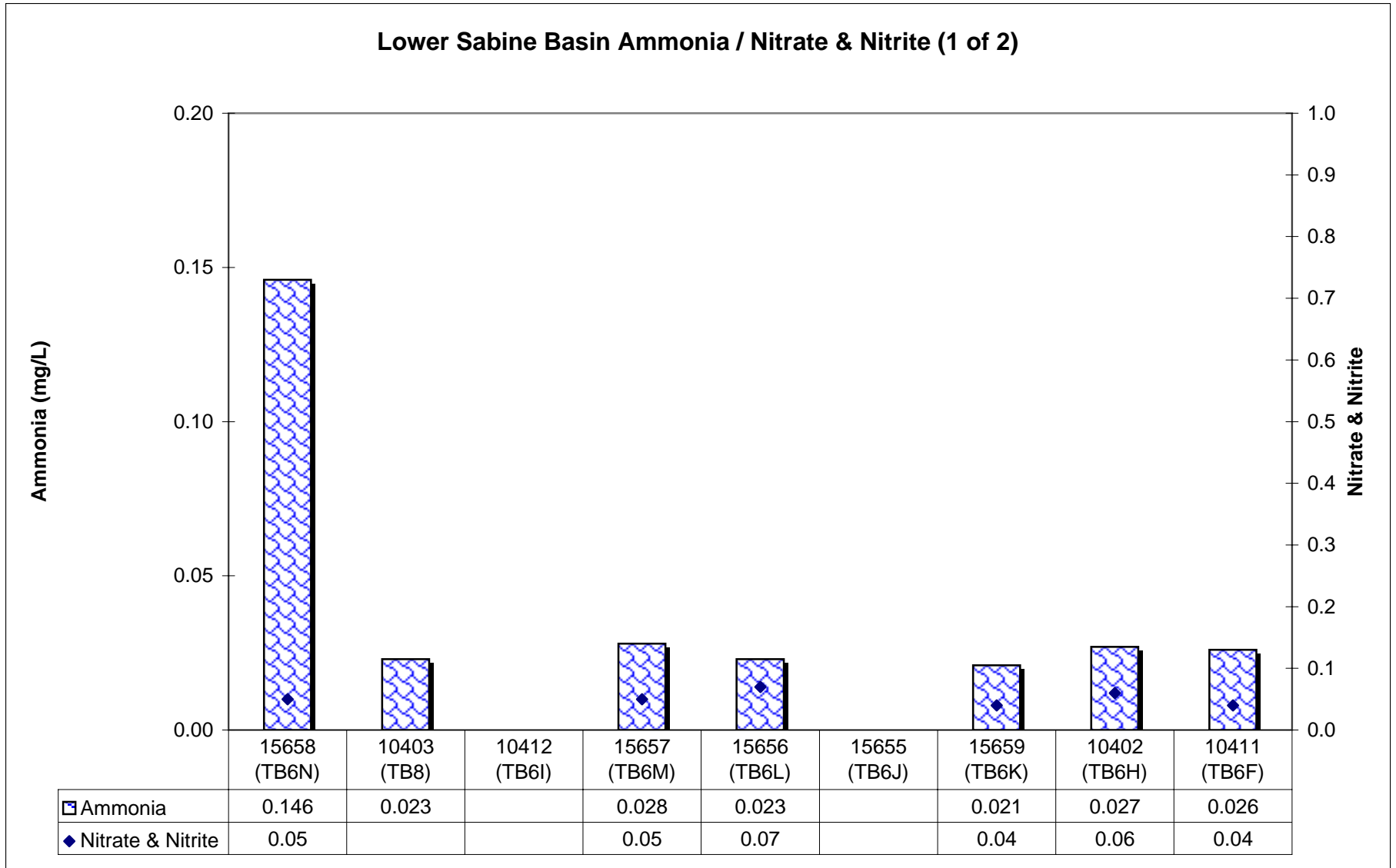
August 2000



Stations without values were below detection limit or not sampled on this run (see page 18).

# SABINE RIVER AUTHORITY OF TEXAS

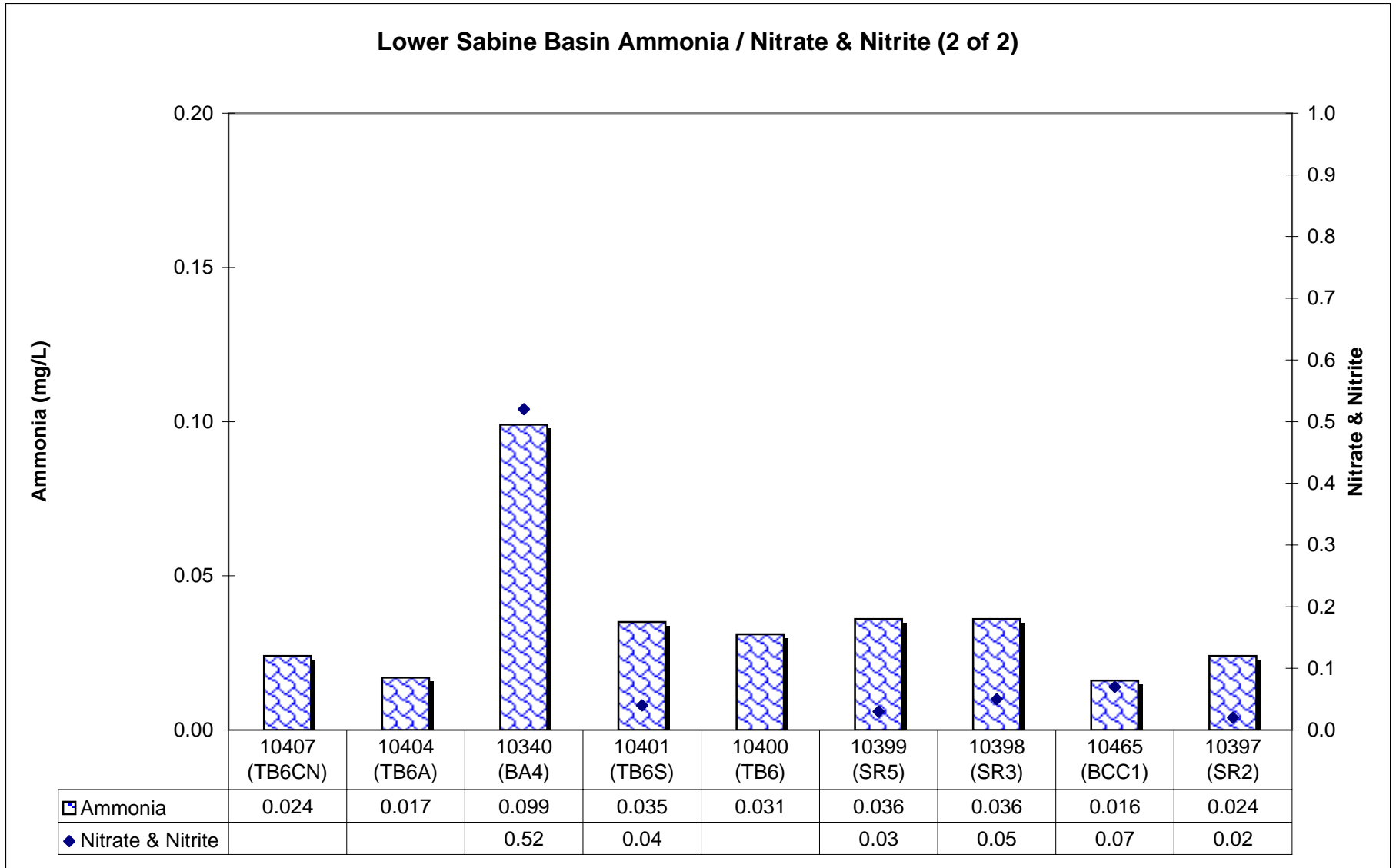
August 2000



Stations without values were below detection limit or not sampled on this run (see page 18).

# SABINE RIVER AUTHORITY OF TEXAS

August 2000



Stations without values were below detection limit or not sampled on this run (see page 18).

# SABINE RIVER AUTHORITY OF TEXAS

## Lower Basin Profiles

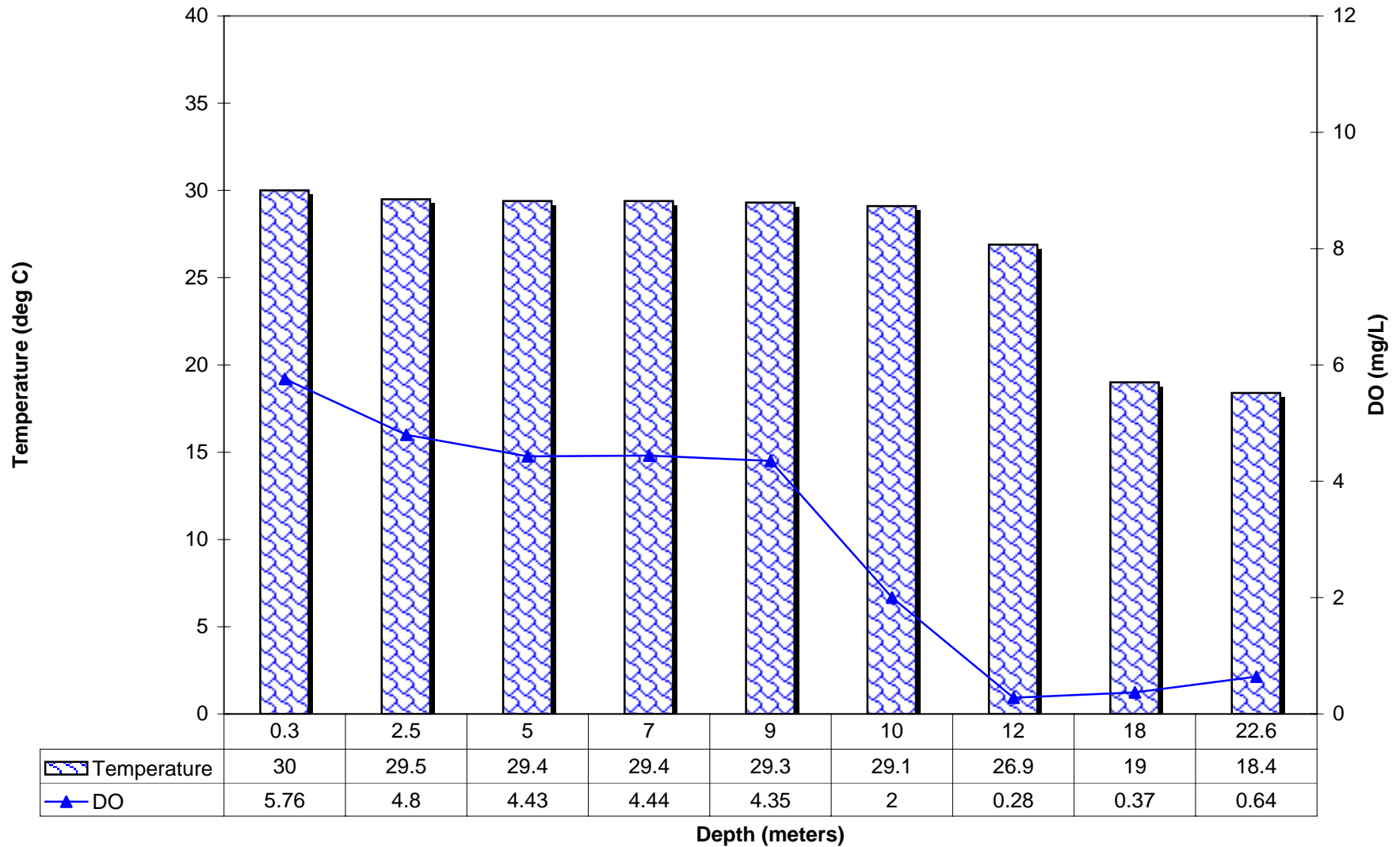
August 2000

Date	SW ID	Station	Depth Meters	Temperature	pH	DO	%	Conductivity
				°C 00010	Units 00400	mg/L 00300	Saturation 00301	µS/cm 00094
8/9/00 12:34 PM	4.00	10403 (TB8)	0.3	32.8	7.08	8.27	114	372
			1	31.7	7.02	6.83	93.2	372
			2	31.1	6.76	4.14	55.8	371
			5	30.8	6.71	2.97	39	368
			6	30.6	6.63	0.86	11.5	382
			10.9	30.4	6.66	0.64	8.5	385
8/9/00 1:00 PM	4.00	10412 (TB6I)	0.3	30.1	6.46	2.36	31.2	245
			1	29.6	6.48	1.87	24.9	250
			3.22	28.6	6.62	0.81	10.4	259
8/9/00 1:07 PM	4.00	15657 (TB6M)	0.3	29.8	6.76	2.96	39.4	162
			2	27.5	6.66	0.35	4.5	169
			4.4	25.7	6.65	0.61	6.9	215
8/9/00 12:50 PM	4.00	15656 (TB6L)	0.3	32	7.16	5.63	77.2	176
			1.5	29.7	6.84	1.52	20.3	176
			2.6	29.3	6.92	1.49	19.5	175
8/9/00 10:14 AM	4.00	15655 (TB6J)	0.3	31.2	7.62	5.87	77.7	196
			2.5	30.7	7.58	5.81	77.7	195
			4.8	30.6	7.51	4.86	65.2	195
8/9/00 12:05 PM	4.00	15659 (TB6K)	0.3	31.6	8.46	7.41	101	186
			2.5	31.3	8.31	7.33	99.2	189
			5	30.6	7.29	4.9	66.2	185
			7	30.4	7.12	2.85	37.9	186
			9.4	29.6	7.05	1.07	13.4	197
8/9/00 11:00 AM	4.00	10402 (TB6H)	0.3	30	7.46	5.76	76.4	193
			2.5	29.5	7.35	4.8	63	193
			5	29.4	7.3	4.43	57.8	193
			7	29.4	7.3	4.44	58.3	193
			9	29.3	7.28	4.35	57	192
			10	29.1	7.15	2	27.7	195
			12	26.9	7.05	0.28	3.4	220
			18	19	6.95	0.37	3.9	188
			22.6	18.4	6.97	0.64	6.2	193
8/9/00 10:40 AM	4.00	10411 (TB6F)	0.3	30.6	7.37	6.32	85	163
			3	30.4	7.29	5.6	75.5	163
			3.2	30.4	7.19	4.63	61.7	165
			4	29.9	6.85	0.57	6	167
			5.5	29.4	7.01	0.56	6.8	179
8/9/00 9:33 AM	4.00	10407 (TB6CN)	0.3	30.5	7.45	6.43	85.4	145
			2	30	7.26	5.64	74.5	143
			3	29.9	6.94	4.76	63.2	142
			5.3	27.2	6.43	0.47	5.4	131
08/09/2000 9:55	4	10404 (TB6A)	0.3	30.2	7.28	6.5	86.2	172
			3	29.5	7.03	4.99	65.4	169
			5	28.5	6.59	1.3	16.7	172
			10	23.6	6.49	0.37	3.9	156
			15	18.3	6.53	0.39	4	172
			20	17.1	6.62	0.41	4.3	175
25.5	16.4	6.68	0.49	4.9	167			

# SABINE RIVER AUTHORITY OF TEXAS

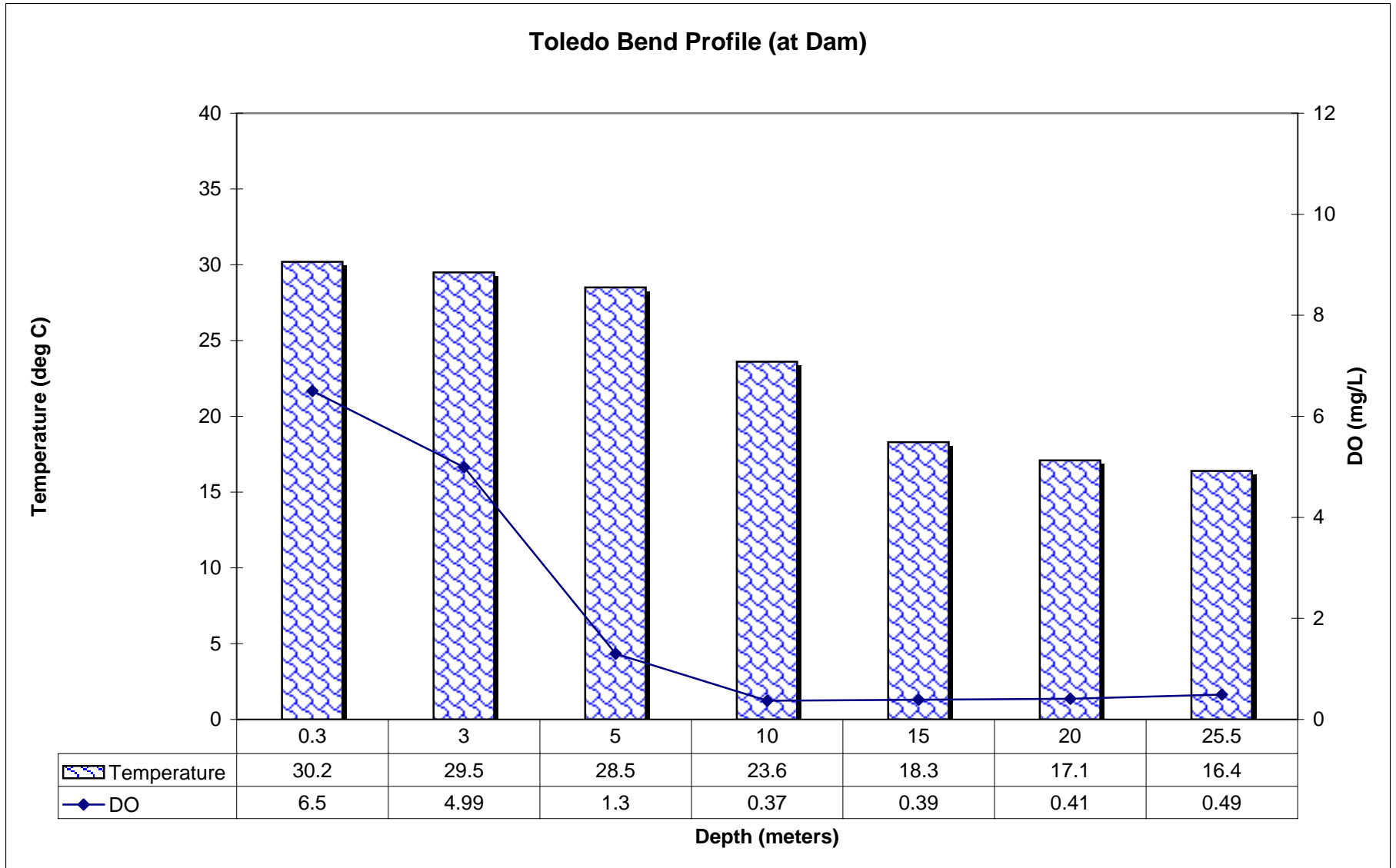
August 2000

## Toledo Bend Profile (at Pendleton Bridge)



# SABINE RIVER AUTHORITY OF TEXAS

August 2000



# SABINE RIVER AUTHORITY OF TEXAS

## Toledo Bend Weather and Reservoir Data

August 2000

Date	Lake Elev	LE - TOP	Max Temp	Min Temp	Rainfall	Evaporation	Daily Releases cfs	Daily Releases ac ft	Current Release
08/01/2000	170.73	(1.27)	90	66	0.00	0.30	5517	10943	460
08/02/2000	170.60	(1.40)	94	66	0.00	0.30	5503	10915	460
08/03/2000	170.54	(1.46)	94	69	0.00	0.31	5720	11345	460
08/04/2000	170.45	(1.55)	98	70	0.00	0.35	5439	10788	460
08/05/2000	170.37	(1.63)	95	71	0.00	0.27	160	317	460
08/06/2000	170.23	(1.77)	96	72	0.00	0.42	160	317	460
08/07/2000	170.34	(1.66)	99	72	0.00	0.39	5600	11107	460
08/08/2000	170.24	(1.76)	102	72	0.00	0.36	5462	10834	430
08/09/2000	170.19	(1.81)	97	72	0.00	0.35	2807	5568	460
08/10/2000	170.14	(1.86)	100	70	0.00	0.42	2731	5417	430
08/11/2000	170.04	(1.96)	96	70	0.00	0.33	5845	11593	430
08/12/2000	169.99	(2.01)	94	69	0.37	0.38	160	317	460
08/13/2000	169.99	(2.01)	99	67	0.00	0.37	160	317	460
08/14/2000	169.93	(2.07)	96	65	0.00	0.36	5396	10703	460
08/15/2000	169.83	(2.17)	99	65	0.00	0.38	5370	10651	460
08/16/2000	169.76	(2.24)	98	72	0.00	0.31	5765	11435	460
08/17/2000	169.66	(2.34)	99	73	0.00	0.30	5556	11020	460
08/18/2000	169.58	(2.42)	102	70	0.00	0.35	5626	11159	460
08/19/2000	169.54	(2.46)	101	68	0.00	NR	160	317	460
08/20/2000	169.50	(2.50)	102	68	0.00	0.32	160	317	460
08/21/2000	169.46	(2.54)	98	72	0.00	0.38	5704	11314	460
08/22/2000	169.39	(2.61)	94	71	0.19	0.05	5675	11256	460
08/23/2000	169.30	(2.70)	95	69	0.00	0.27	5783	11470	460
08/24/2000	169.24	(2.76)	97	69	0.00	0.31	6463	12819	460
08/25/2000	169.14	(2.86)	97	70	0.00	0.22	4253	8436	460
08/26/2000	169.10	(2.90)	100	70	0.00	0.36	160	317	460
08/27/2000	169.07	(2.93)	102	70	0.00	0.34	160	317	460
08/28/2000	169.02	(2.98)	100	69	0.00	0.35	5637	11181	460
08/29/2000	168.94	(3.06)	102	70	0.00	NR	5636	11179	460
08/30/2000	168.88	(3.12)	100	70	0.00	0.33	5581	11070	460
08/31/2000	168.76	(3.24)	98	72	0.00	0.34	5551	11010	460
<b>Avg or Tot</b>	169.74	(2.26)	98	70	0.56	9.52	3997	245749	

Units	Avg Feet M.S.L.	Avg Feet	Avg Deg. F	Avg Deg. F	Tot Inches	Tot Inches	Avg cfs	Tot Ac. Ft.	cfs
									approx. 8:00 a.m.

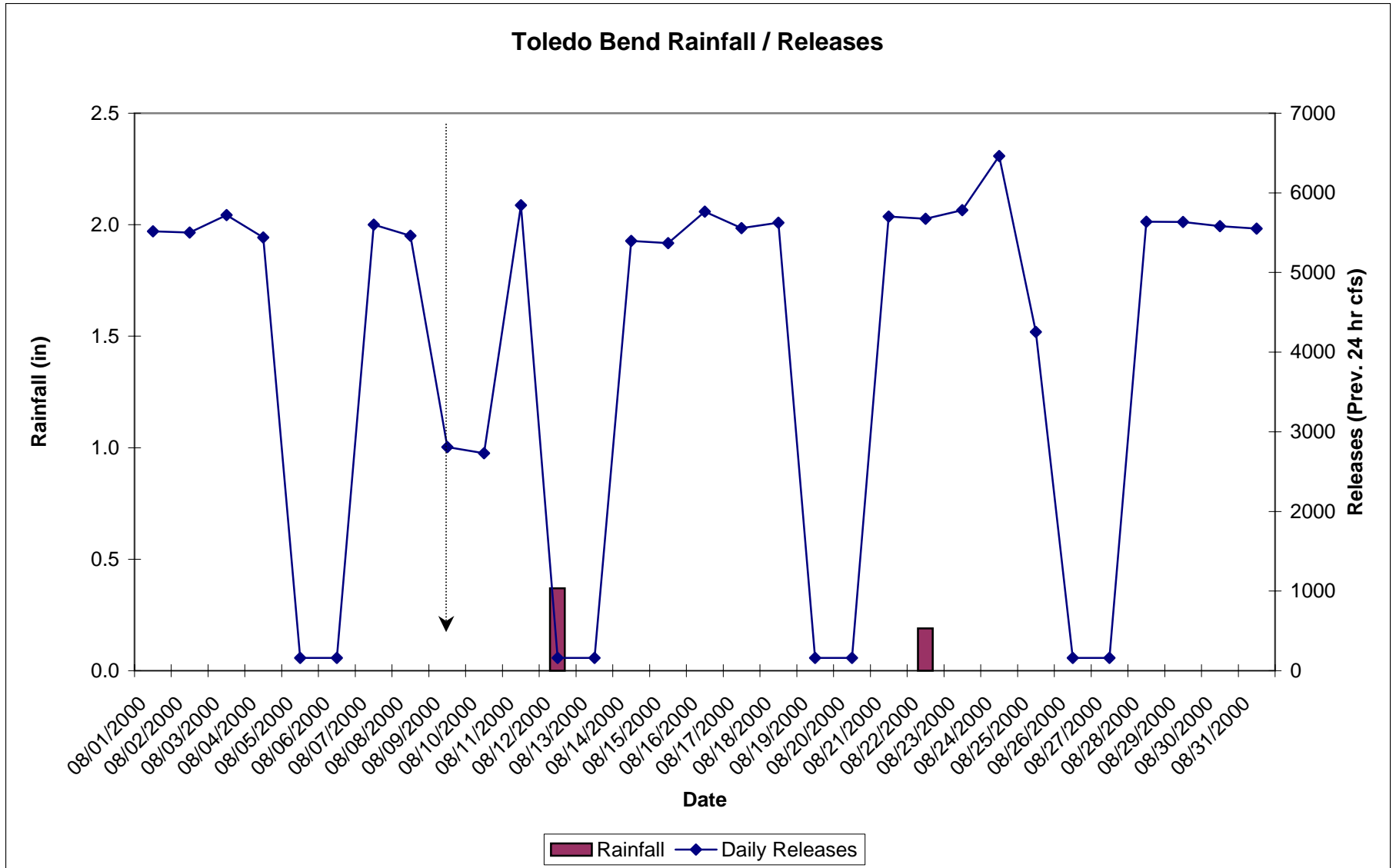
NR: No Reading

TOP: Top of Pool = 172 Feet M.S.L.

Toledo Bend Sampled on 8/9/2000

# SABINE RIVER AUTHORITY OF TEXAS

August 2000



# SABINE RIVER AUTHORITY OF TEXAS

## Burkeville Weather and River Data

August 2000

Date	Rainfall	Gauge Height	GH - FS	Flow
08/01/2000	*	18.47	(22.53)	3763
08/02/2000	*	18.53	(22.47)	3817
08/03/2000	*	18.55	(22.45)	3835
08/04/2000	*	18.71	(22.29)	3978
08/05/2000	*	18.22	(22.78)	3542
08/06/2000	*	12.80	(28.20)	256
08/07/2000	*	12.56	(28.44)	195
08/08/2000	*	18.14	(22.86)	3473
08/09/2000	*	18.67	(22.33)	3943
08/10/2000	*	16.42	(24.58)	2101
08/11/2000	*	16.33	(24.67)	2035
08/12/2000	*	18.59	(22.41)	3871
08/13/2000	*	OUT	OUT	OUT
08/14/2000	*	OUT	OUT	OUT
08/15/2000	*	18.60	(22.40)	3880
08/16/2000	*	18.70	(22.30)	3971
08/17/2000	*	18.98	(22.02)	4231
08/18/2000	*	18.79	(22.21)	4036
08/19/2000	*	18.85	(22.15)	4099
08/20/2000	*	12.78	(28.22)	250
08/21/2000	*	12.51	(28.49)	183
08/22/2000	*	18.23	(22.77)	3551
08/23/2000	*	18.30	(22.70)	3612
08/24/2000	*	18.70	(22.30)	3971
08/25/2000	*	19.62	(21.38)	4854
08/26/2000	*	17.93	(23.07)	3293
08/27/2000	*	12.80	(28.20)	256
08/28/2000	*	12.56	(28.44)	195
08/29/2000	*	18.71	(22.29)	3978
08/30/2000	*	18.76	(22.24)	4014
08/31/2000	*	19.08	(21.92)	4326
<b>Avg or Tot</b>		17.24	(23.76)	3018

	Tot	Avg	Avg	Avg
Units	Inches	Feet	Feet	cfs

FS: Flood Stage = 41 feet

TH: Gage height too high to calculate flow

NR: No Reading

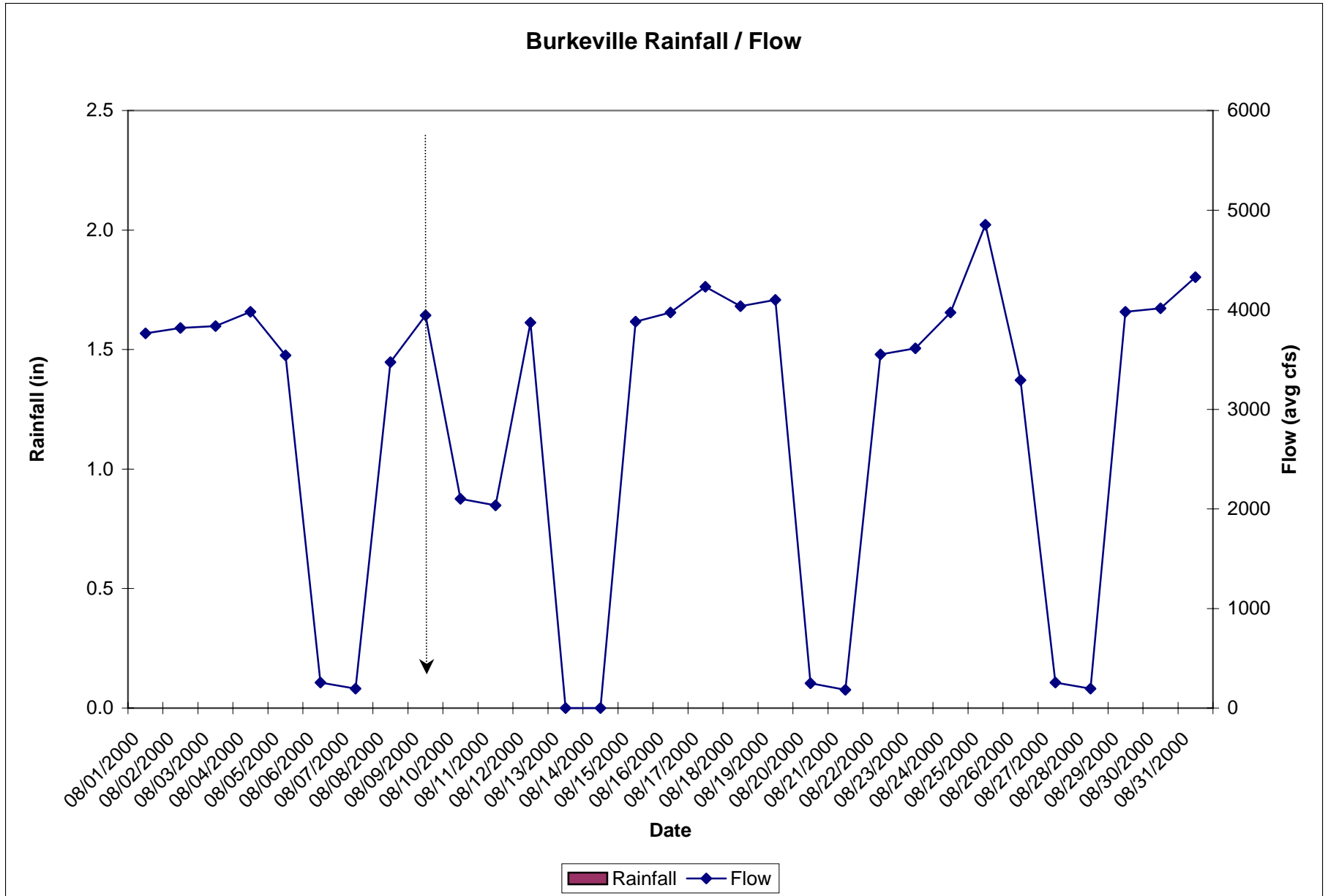
OUT: Gage Out

Lower Sabine Basin Sampled on 8/9/2000

\*Rainfall values not presented due to errors caused by vibrations on the bridge on which the gauge is mounted.

# SABINE RIVER AUTHORITY OF TEXAS

August 2000



Lower Sabine Basin Sampled on 8/9/2000.

Rainfall readings not presented due to vibrations on the bridge on which the gauge is mounted.

# SABINE RIVER AUTHORITY OF TEXAS

## Bon Wier Weather and River Data

August 2000

<b>Date</b>	<i>Gauge Height</i>	<i>GH - FS</i>	<i>Flow Avg</i>	<i>308 Rainfall</i>
08/01/2000	13.19	(16.81)	828	0.04
08/02/2000	17.80	(12.20)	4225	0.00
08/03/2000	17.97	(12.03)	4394	0.00
08/04/2000	18.00	(12.00)	4424	0.00
08/05/2000	18.11	(11.89)	4536	0.00
08/06/2000	16.75	(13.25)	3246	0.00
08/07/2000	13.71	(16.29)	1090	0.00
08/08/2000	13.31	(16.69)	886	0.00
08/09/2000	17.73	(12.27)	4156	0.00
08/10/2000	17.29	(12.71)	3734	0.00
08/11/2000	15.71	(14.29)	2392	0.00
08/12/2000	16.59	(13.41)	3107	0.16
08/13/2000	16.98	(13.02)	3451	0.00
08/14/2000	13.74	(16.26)	1106	0.00
08/15/2000	13.01	(16.99)	744	0.00
08/16/2000	17.58	(12.42)	4010	0.00
08/17/2000	17.78	(12.22)	4205	0.00
08/18/2000	17.83	(12.17)	4254	0.00
08/19/2000	17.83	(12.17)	4254	0.00
08/20/2000	17.01	(12.99)	3478	0.00
08/21/2000	13.70	(16.30)	1085	0.00
08/22/2000	13.21	(16.79)	838	0.00
08/23/2000	17.75	(12.25)	4176	0.00
08/24/2000	17.91	(12.09)	4334	0.00
08/25/2000	18.05	(11.95)	4475	0.00
08/26/2000	17.89	(12.11)	4314	0.00
08/27/2000	16.72	(13.28)	3219	0.00
08/28/2000	13.63	(16.37)	1048	0.00
08/29/2000	12.95	(17.05)	718	0.00
08/30/2000	17.58	(12.42)	4010	0.00
08/31/2000	17.75	(12.25)	4176	0.00
<b>Avg or Tot</b>	16.29	(13.71)	3062	0.20

Units	Avg Feet	Avg Feet	Avg	Tot Inches
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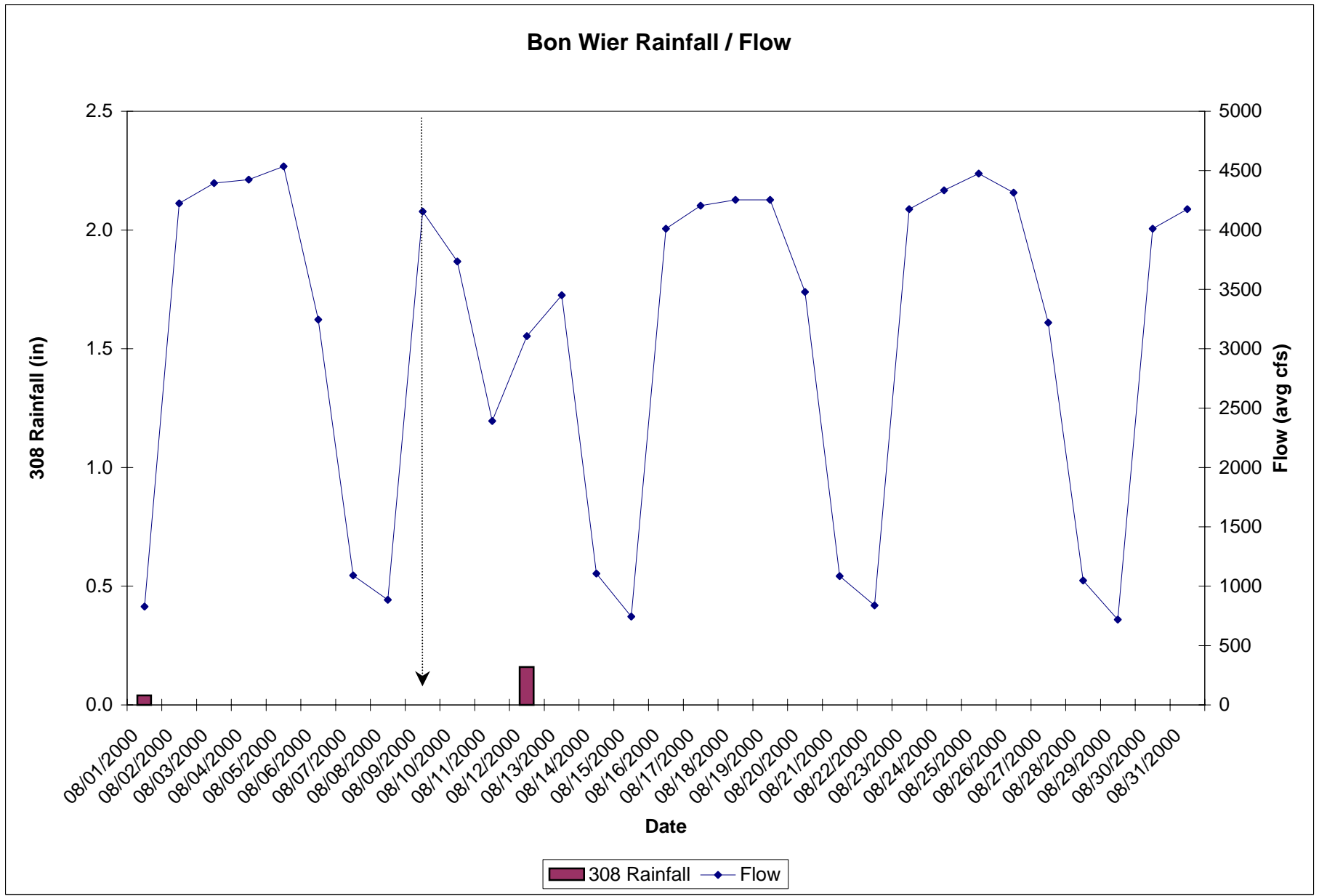
FS: Flood Stage = 30 feet

OUT: Gauge Out

Lower Sabine Basin Sampled on 8/9/2000

# Sabine River Authority of Texas

August 2000



# SABINE RIVER AUTHORITY OF TEXAS

## Ruliff Weather and River Data

August 2000

<b>Date</b>	<i>Gauge Height</i>	<i>GH - FS</i>	<i>Flow cfs</i>	<i>Flow acft</i>	<i>Flow avg</i>	<i>309 Rainfall</i>
08/01/2000	19.50	(4.50)	4083	8099	4083	1.82
08/02/2000	16.69	(7.31)	2157	4278	3120	0.00
08/03/2000	19.42	(4.58)	4003	7940	3414	0.01
08/04/2000	20.49	(3.51)	5285	10483	3882	0.00
08/05/2000	20.93	(3.07)	5848	11599	4275	0.00
08/06/2000	21.08	(2.92)	6057	12014	4572	0.01
08/07/2000	21.07	(2.93)	6043	11986	4782	0.00
08/08/2000	19.06	(4.94)	3656	7252	4642	0.02
<b>08/09/2000</b>	<b>16.30</b>	<b>(7.70)</b>	<b>1958</b>	<b>3884</b>	<b>4343</b>	<b>0.23</b>
08/10/2000	19.09	(4.91)	3684	7307	4277	0.00
08/11/2000	20.29	(3.71)	4998	9913	4343	0.00
08/12/2000	19.97	(4.03)	4568	9060	4362	0.25
08/13/2000	19.39	(4.61)	3973	7880	4332	0.01
08/14/2000	20.14	(3.86)	4790	9501	4365	0.01
08/15/2000	18.70	(5.30)	3389	6722	4299	0.00
08/16/2000	15.95	(8.05)	1790	3550	4143	0.00
08/17/2000	18.91	(5.09)	3536	7014	4107	0.00
08/18/2000	20.28	(3.72)	4984	9886	4156	0.00
08/19/2000	20.73	(3.27)	5589	11086	4231	0.00
08/20/2000	20.97	(3.03)	5900	11702	4315	0.01
08/21/2000	21.00	(3.00)	5940	11782	4392	0.00
08/22/2000	18.96	(5.04)	3571	7083	4355	0.00
08/23/2000	16.19	(7.81)	1903	3775	4248	0.01
08/24/2000	19.16	(4.84)	3751	7440	4227	0.09
08/25/2000	20.47	(3.53)	5256	10425	4268	1.55
08/26/2000	20.91	(3.09)	5822	11548	4328	0.00
08/27/2000	21.16	(2.84)	6177	12252	4397	0.01
08/28/2000	20.95	(3.05)	5874	11651	4449	0.00
08/29/2000	18.87	(5.13)	3508	6958	4417	0.00
08/30/2000	15.96	(8.04)	1794	3558	4330	0.00
08/31/2000	19.01	(4.99)	3609	7158	4306	0.00
<b>Avg or Tot</b>	<b>19.41</b>	<b>(4.59)</b>	<b>4306</b>	<b>264786</b>		<b>4.03</b>

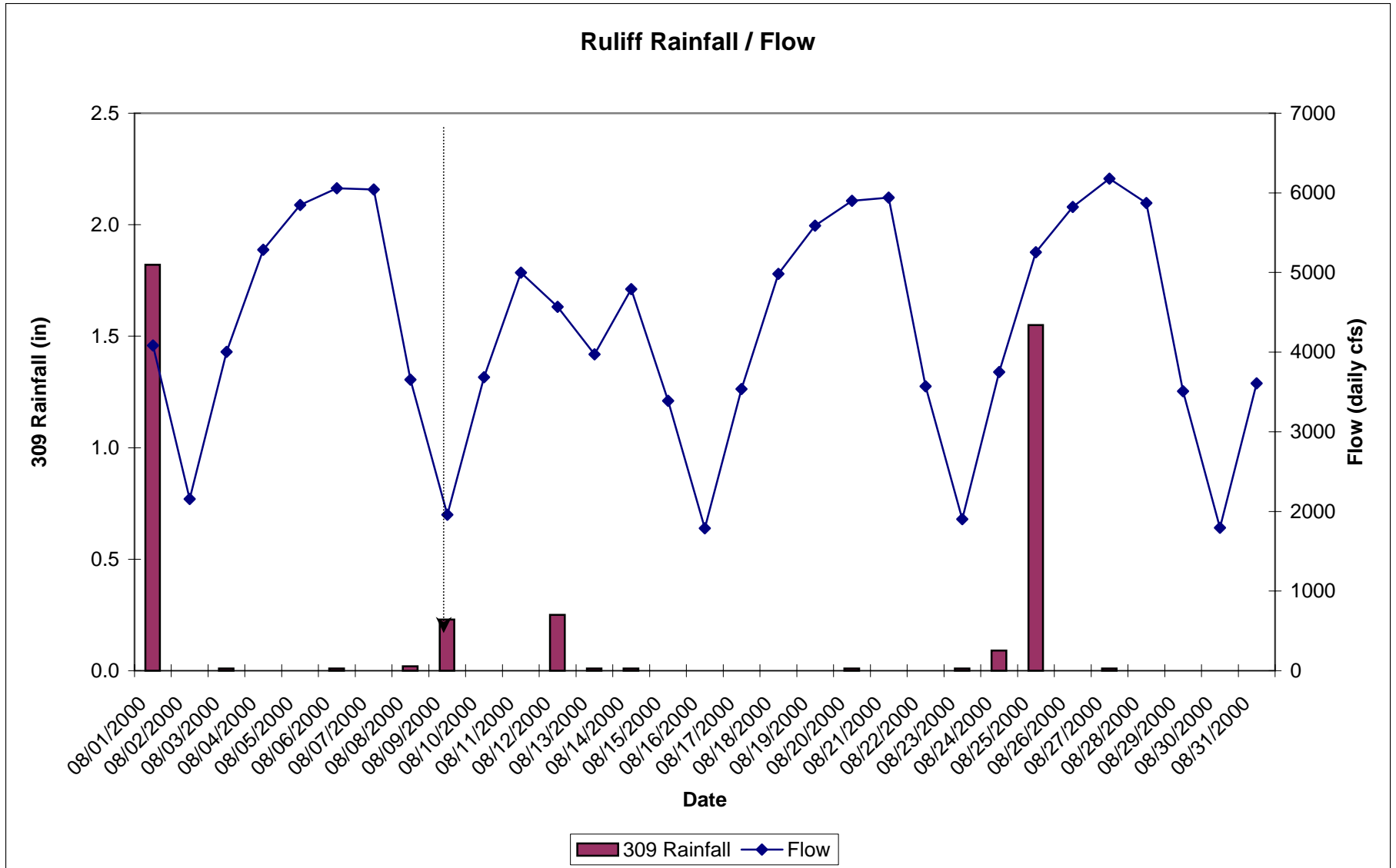
Units	Avg Feet	Avg Feet	Avg cfs	Tot ac ft	Tot Inches
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FS: Flood Stage 24 feet with 10 foot datum

Lower Sabine Basin Sampled on 8/9/2000

# SABINE RIVER AUTHORITY OF TEXAS

August 2000



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# *Current WQMP Stations*

## *Tidal Sabine Basin*

<i>SW</i>	<i>Segment Station</i>	<i>Location</i>
1.05	0501 15653 (ICW1)	INTERCOASTAL WATERWAY
1.01	0501 15654 (BB1)	BLACK BAYOU
1.00	0501 10395 (SR1)	SABINE RIVER 12 KM N OF IH10
1.00	0501 10394 (SRT2)	SABINE RIVER AT IH 10
1.00	0501 10391 (SRT1)	SABINE RIVER AT CHANNEL CAN 3

# SABINE RIVER AUTHORITY OF TEXAS

## Tidal Report

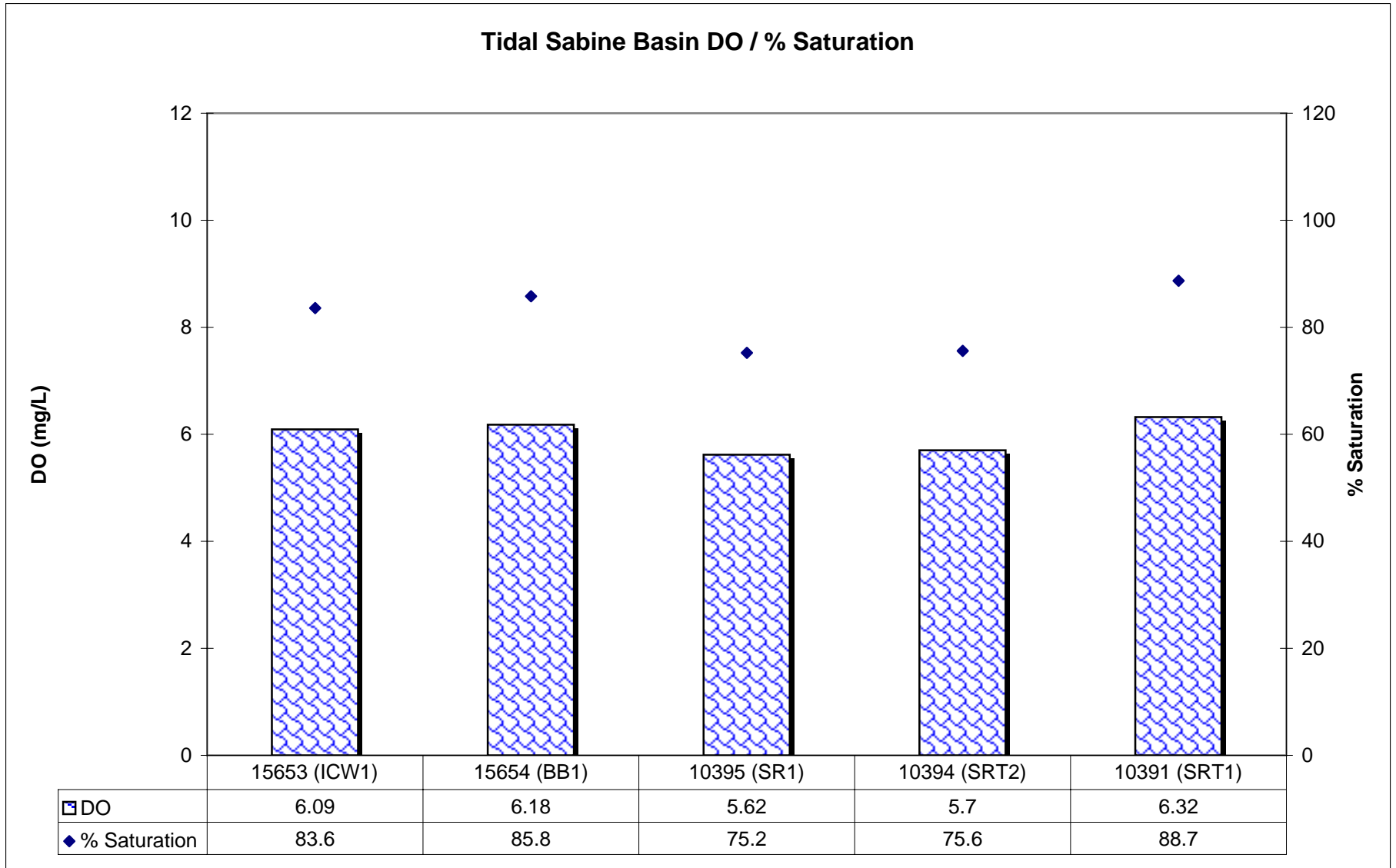
August 2000

Date	SW ID	Station	Temperature	pH	DO	%	Conductivity	Salinity	Secchi	Turbidity	Fecal	Fecal	Chlorophyll a	Ammonia	Nitrate &	Ortho-	TOC	Total	Total	Chloride	Sulfate
			°C 00010	Units 00400	mg/L 00300	Saturation 00301	µS/cm 00094	ppt 00480	Meters 00078	NTU 82079	Coliform 31616	Strep 31673	µg/L 32211	mg/L 00610	Nitrite 00630	Phosphate 00671	mg/L 00680	Alkalinity 00410	Hardness 00900	mg/L 00940	mg/L 00945
8/10/00 10:00 AM	1.05	15653 (ICW1)	31	7.54	6.09	83.6	5883	3	0.64	6.62	2	*	*	< 0.001	< 0.02	< 0.02	6	*	580	1800	250
8/10/00 10:30 AM	1.01	15654 (BB1)	30.6	7.65	6.18	85.8	12910	7	0.62	7.51	< 2	*	*	< 0.001	0.41	< 0.02	6	*	1420	4140	562
8/10/00 8:55 AM	1.00	10395 (SR1)	30.7	7.42	5.62	75.2	204	*	0.37	14.6	15	*	*	0.042	< 0.02	< 0.02	5	*	32	15.1	29.7
8/10/00 9:20 AM	1.00	10394 (SRT2)	30.3	7.28	5.7	75.6	588	< 1	0.45	11.6	10	*	*	0.044	< 0.02	< 0.02	5	*	64	77.1	34.8
8/10/00 10:40 AM	1.00	10391 (SRT1)	31.1	7.81	6.32	88.7	11050	6	0.78	4.98	2	*	*	< 0.001	4.21	< 0.02	6	*	1200	3450	465

\*: Not sampled on this run

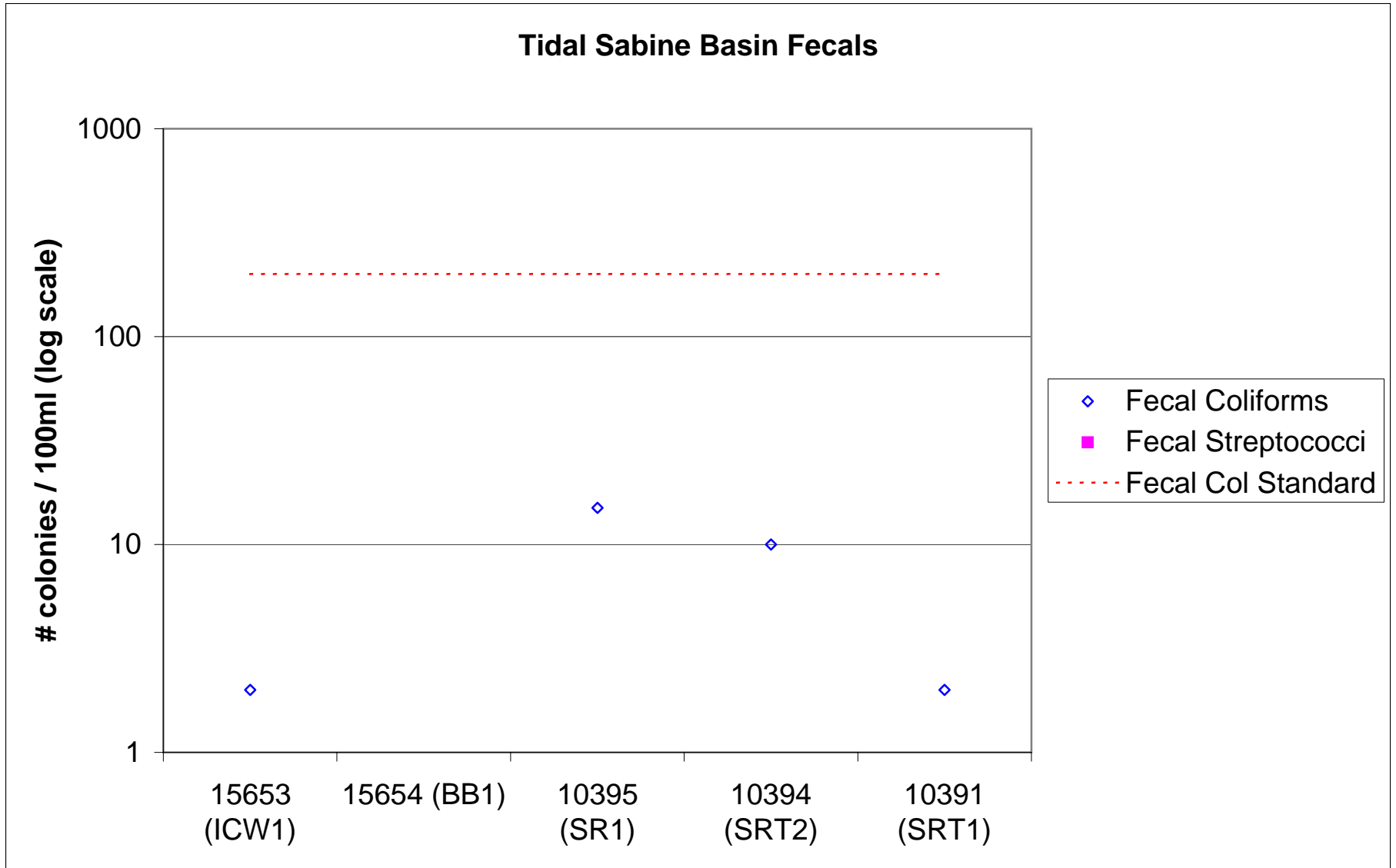
# SABINE RIVER AUTHORITY OF TEXAS

August 2000



# SABINE RIVER AUTHORITY OF TEXAS

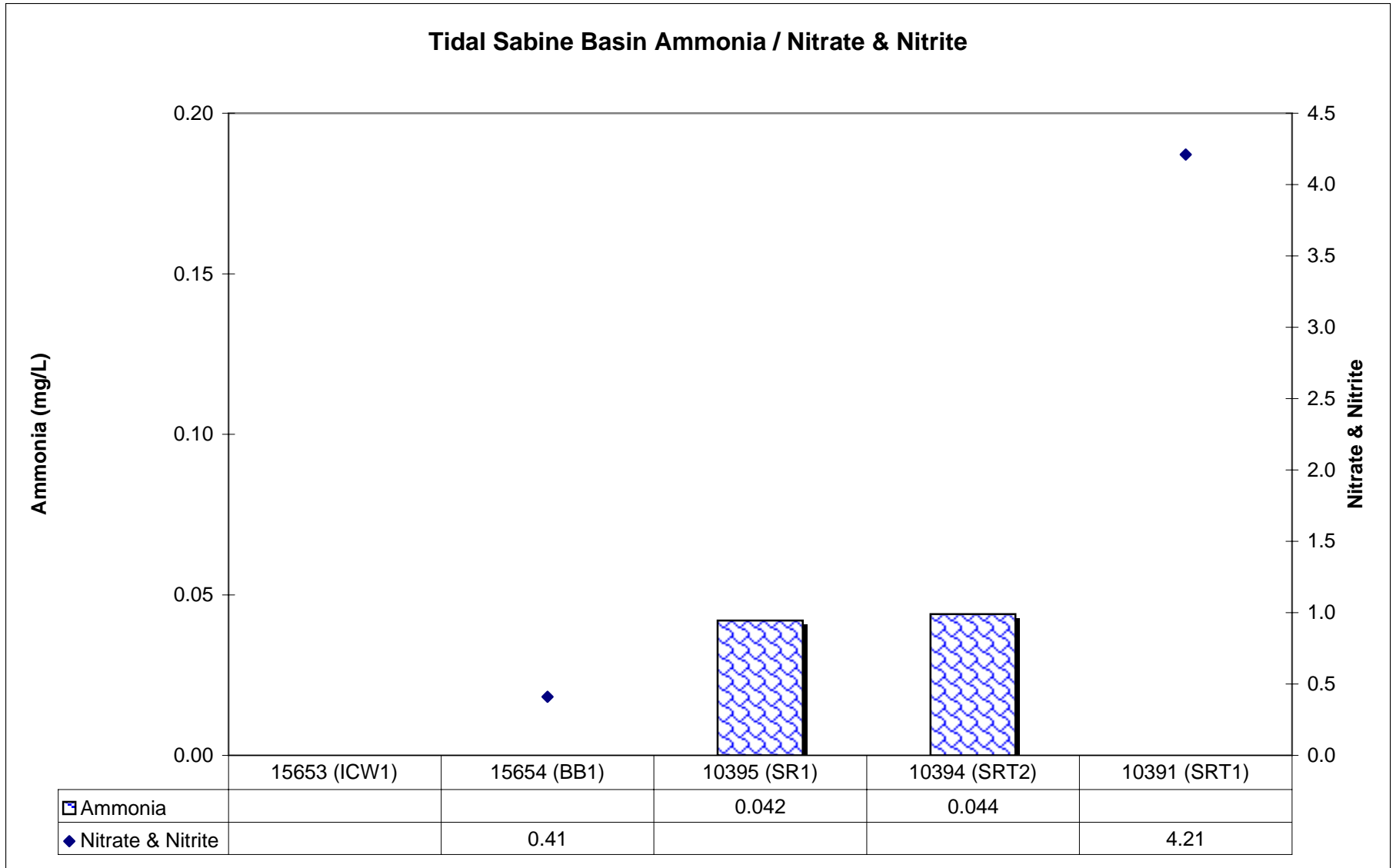
August 2000



Stations without values were below detection limit or not sampled on this run (see page 38).

# SABINE RIVER AUTHORITY OF TEXAS

August 2000



Stations without values were below detection limit on this run (see page 38).

# SABINE RIVER AUTHORITY OF TEXAS

## Tidal Profiles

August 2000

Date	SW ID	Station	Depth Meters	Temperature	pH	DO	%	Conductivity	Salinity
				°C 00010	Units 00400	mg/L 00300	Saturation 00301	µS/cm 00094	ppt 00480
8/10/00 10:00 AM	1.05	15653 (ICW1)	0.3	31	7.54	6.09	83.6	5883	3
			3	31	7.5	5.29	73.2	9045	5
			6	30.9	7.31	3.35	48.3	19270	12
8/10/00 10:30 AM	1.01	15654 (BB1)	0.3	30.6	7.65	6.18	85.8	12910	7
			4.5	30.2	7.55	5.42	75.4	13750	8
8/10/00 8:55 AM	1.00	10395 (SR1)	0.3	30.7	7.42	5.62	75.2	204	*
			6.5	30.6	7.41	5.85	78.2	203	*
8/10/00 9:20 AM	1.00	10394 (SRT2)	0.3	30.3	7.28	5.7	75.6	588	< 1
			2.5	30.2	7.43	5.25	70	996	< 1
			4	30.3	7.34	4.78	64.6	3184	2
			6	30.4	7.07	1.35	19	19520	12
			8.4	30.3	6.95	0.73	9.5	22280	13
8/10/00 10:40 AM	1.00	10391 (SRT1)	0.3	31.1	7.81	6.32	88.7	11050	6
			3	30.5	7.77	5.37	76.2	15560	9
			6	31.3	7.76	4.07	61.8	30660	19
			9.7	31.1	7.69	3.76	57.2	34190	22

\*: Not sampled on this run

# SABINE RIVER AUTHORITY OF TEXAS

## Orange Weather and River Data

August 2000

Date	310 (Orange) Rainfall	Gauge Height	GH - FS	Max Temp	Min Temp	Cur Temp	293 (GCD) Rainfall
08/01/2000	0.71	0.83	(3.17)	79	68	69	2.40
08/02/2000	0.00	0.84	(3.16)	89	69	71	0.02
08/03/2000	0.00	1.06	(2.94)	91	71	73	0.00
08/04/2000	0.00	1.06	(2.94)	90	72	73	0.00
08/05/2000	0.00	1.17	(2.83)	91	72	76	0.00
08/06/2000	0.00	1.38	(2.62)	93	74	74	0.00
08/07/2000	0.00	1.65	(2.35)	94	73	73	0.00
08/08/2000	0.02	1.86	(2.14)	92	73	75	0.35
08/09/2000	0.23	1.81	(2.19)	88	73	73	0.27
08/10/2000	0.00	1.59	(2.41)	94	72	73	0.00
08/11/2000	0.00	1.42	(2.58)	96	72	75	0.00
08/12/2000	OUT	OUT	OUT	97	70	70	0.03
08/13/2000	0.00	1.14	(2.86)	97	66	67	0.00
08/14/2000	0.00	1.17	(2.83)	94	66	73	0.00
08/15/2000	OUT	OUT	OUT	94	73	75	0.00
08/16/2000	0.00	0.82	(3.18)	94	73	73	0.00
08/17/2000	0.00	0.66	(3.34)	98	73	77	0.00
08/18/2000	0.00	0.82	(3.18)	98	70	70	0.00
08/19/2000	0.00	0.84	(3.16)	96	69	70	0.00
08/20/2000	0.00	1.19	(2.81)	96	70	72	0.00
08/21/2000	0.00	1.25	(2.75)	97	73	75	0.00
08/22/2000	0.00	1.53	(2.47)	96	73	73	0.00
08/23/2000	0.17	1.58	(2.42)	93	71	71	0.01
08/24/2000	0.01	1.83	(2.17)	90	71	72	0.10
08/25/2000	0.09	1.81	(2.19)	87	71	72	0.22
08/26/2000	0.00	1.72	(2.28)	93	71	72	0.00
08/27/2000	0.00	1.52	(2.48)	95	72	72	0.00
08/28/2000	0.00	1.37	(2.63)	95	71	73	0.00
08/29/2000	0.00	1.17	(2.83)	95	72	72	0.00
08/30/2000	0.00	0.86	(3.14)	97	71	76	0.00
08/31/2000	0.00	0.58	(3.42)	104	75	77	0.00
<b>Avg or Tot</b>	1.23	1.26	(2.74)	94	71	73	3.40

Units	Tot Inches	Avg Feet	Avg Feet	Avg Deg F	Avg Deg F	Avg Deg F	Tot Inches
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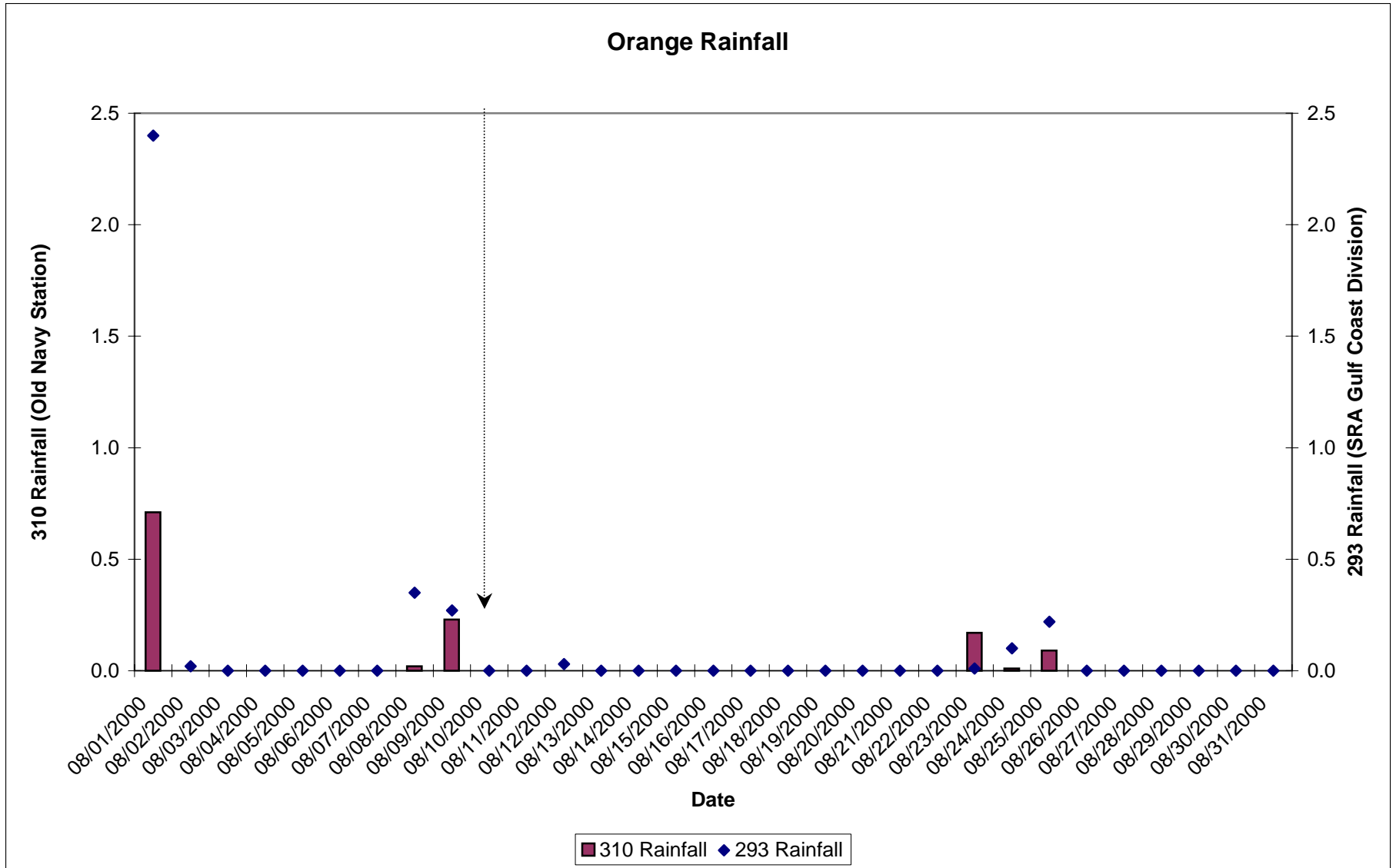
Appx. 8 am

310 Rainfall: Old Navy Base, City of Orange  
 293: SRA Gulf Coast Division Office, Northern Orange County  
 FS: Flood Stage = 4 Feet  
 OUT: Gauge Out

Tidal Sabine Basin Sampled on 8/10/2000

# SABINE RIVER AUTHORITY OF TEXAS

August 2000



Tidal Sabine Basin Sampled on 8/10/2000