
SABINE RIVER AUTHORITY OF TEXAS

TO: INTERESTED PARTIES
FROM: WATER RESOURCES BRANCH
RE: MARCH 2005 MONTHLY WATER QUALITY REPORT

This is the Sabine River Authority Water Quality Report for March 2005. Water quality sampling was performed March 7th through March 10th. Recent weather (previous seven days) in the Sabine River Basin was cool, with daytime highs from the low 50s to the mid 70s at Lake Tawakoni and at Lake Fork. Toledo Bend Reservoir and Orange had daytime highs from the low 50s to the low 70s. Lows ranged from the low 30s to the low 60s at Lake Tawakoni and at Lake Fork. Toledo Bend and Orange had lows ranging from the mid 30s to the low 50s. The waters of Lake Tawakoni and Lake Fork were mixed, exhibiting no thermal stratification. During the 28 days prior to the sample run, the Upper Basin received 2.47 and 1.17 inches of rainfall as recorded at Lake Tawakoni and at Lake Fork, respectively. Lake Tawakoni and Lake Fork received 0.22 and 0.06 inch of rainfall the week preceding the sample run. Toledo Bend and Orange received 5.59 and 5.65 inches, respectively, during the 28 days prior to the sample run.

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

Most water quality parameter measurements at Upper Basin sites were consistent with water of high quality. The level of Lake Fork was recorded at 402.69 feet msl with 8 cfs releases and the level of Lake Tawakoni was recorded at 437.51 feet msl with 6 cfs releases at the time of sampling. Stations LT23A, LT23D, SR22, and SR19 exceeded recommended screening criteria for chlorophyll *a*, and station LT23A had a high level of dissolved oxygen with greater than 100 percent dissolved oxygen saturation. Elevated chlorophyll *a* levels and high dissolved oxygen with greater than 100 percent dissolved oxygen saturation indicates algal bloom conditions. All reservoir and stream sites were within Stream Standards numeric criteria for *E. coli*.

LOWER SABINE BASIN INCLUDING TOLEDO BEND TO MORGAN BLUFF

The March monthly sampling results were indicative of water of high quality at most sites. The area received 0.74 inch of rain during the week of sampling. The level of Toledo Bend Reservoir was recorded at 169.85 feet msl with 7,449 cfs discharge at the time of sampling. Most reservoir stations were well mixed with similar readings throughout the water column. Stations TB7A, BA4, SR3, and BCC1 had *E. coli* results greater than Stream Standards numeric criteria and station TB6R had a chlorophyll *a* result above recommended screening criteria. Station TB6Q had over 100% saturation of dissolved oxygen, possibly indicating an algal bloom at that location.

TIDAL SECTION OF THE SABINE BASIN BELOW MORGAN BLUFF

Most sites sampled in the tidal portion of the Sabine Basin had values that are consistent with water of high quality. The tidal stations received 0.27 inch of rainfall during the seven days prior to the sample run. Most of the sites in this section of the Basin were well mixed with only slight stratification, and no anoxic conditions were found at any tidal station. No salinity values over 1 ppt were recorded at any of the tidal stations, and all parameters measured in this section of the basin were within the Stream Standards criteria.

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

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SABINE RIVER AUTHORITY OF TEXAS

Monthly Water Quality Report

March 2005

Table of Contents

Upper Sabine Basin

FY2005 Fixed Monitoring Stations.....	1
Surface Report.....	2
Profile Report.....	9
<i>Lake Tawakoni (near the dam)</i>	10
<i>Lake Fork (near the dam)</i>	11
Weather, River, and Reservoir Data.....	12
<i>Lake Tawakoni</i>	12
<i>Lake Fork</i>	14

Lower Sabine Basin

FY2005 Fixed Monitoring Stations.....	17
Surface Report.....	18
Profile Report.....	25
<i>Toledo Bend (at Pendleton Bridge)</i>	26
<i>Toledo Bend (above the dam)</i>	27
Weather, River, and Reservoir Data.....	28
<i>Toledo Bend</i>	28
<i>Burkeville</i>	30
<i>Bon Wier</i>	32
<i>Ruliff</i>	34

Tidal Sabine Basin

FY2005 Fixed Monitoring Stations.....	37
Surface Report.....	38
Profile Report.....	42
Weather, River, and Reservoir Data.....	43
<i>Orange</i>	43

Appendix

FY2005 Fixed Monitoring Station Maps	
Upper Basin.....	45
Lower Basin.....	46

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FY 2005 Fixed Monitoring Stations

Upper Sabine Basin

SW	Segment	Station	Location
7.00	0507	10440 (LT23C)	LAKE TAWAKONI NEAR WIND POINT PARK
7.00	0507	10435 (LT23D)	LAKE TAWAKONI IN KITSEE INLET NEAR WHITE POINT CAUSEWAY
7.00	0507	10434 (LT23A)	LAKE TAWAKONI IN THE MAIN LAKE NEAR THE DAM
6.12	0512	10461 (LF3)	LAKE FORK RESERVOIR MID-ARM IN CANEY CREEK ARM AT FM 515
6.12	0512	10462 (LF4)	LAKE FORK RESERVOIR MID-COVE IN LAKE FORK CREEK ARM AT FM 515
6.12	0512	10458 (LF2)	LAKE FORK RESERVOIR NEAR DAM IN CREEK CHANNEL
6.10	0515	10469 (LF20)	LAKE FORK CREEK AT US 80
6.02	0514	16011 (BS9)	BIG SANDY CREEK AT WHITE OAK ROAD
6.00	0506	17065 (SR22)	SABINE RIVER AT FM 17
6.00	0506	10430 (SR21)	SABINE RIVER AT US 69
6.00	0506	10429 (SR19)	SABINE RIVER AT SH 14 S. OF HAWKINS
5.00	0506	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

March 2005

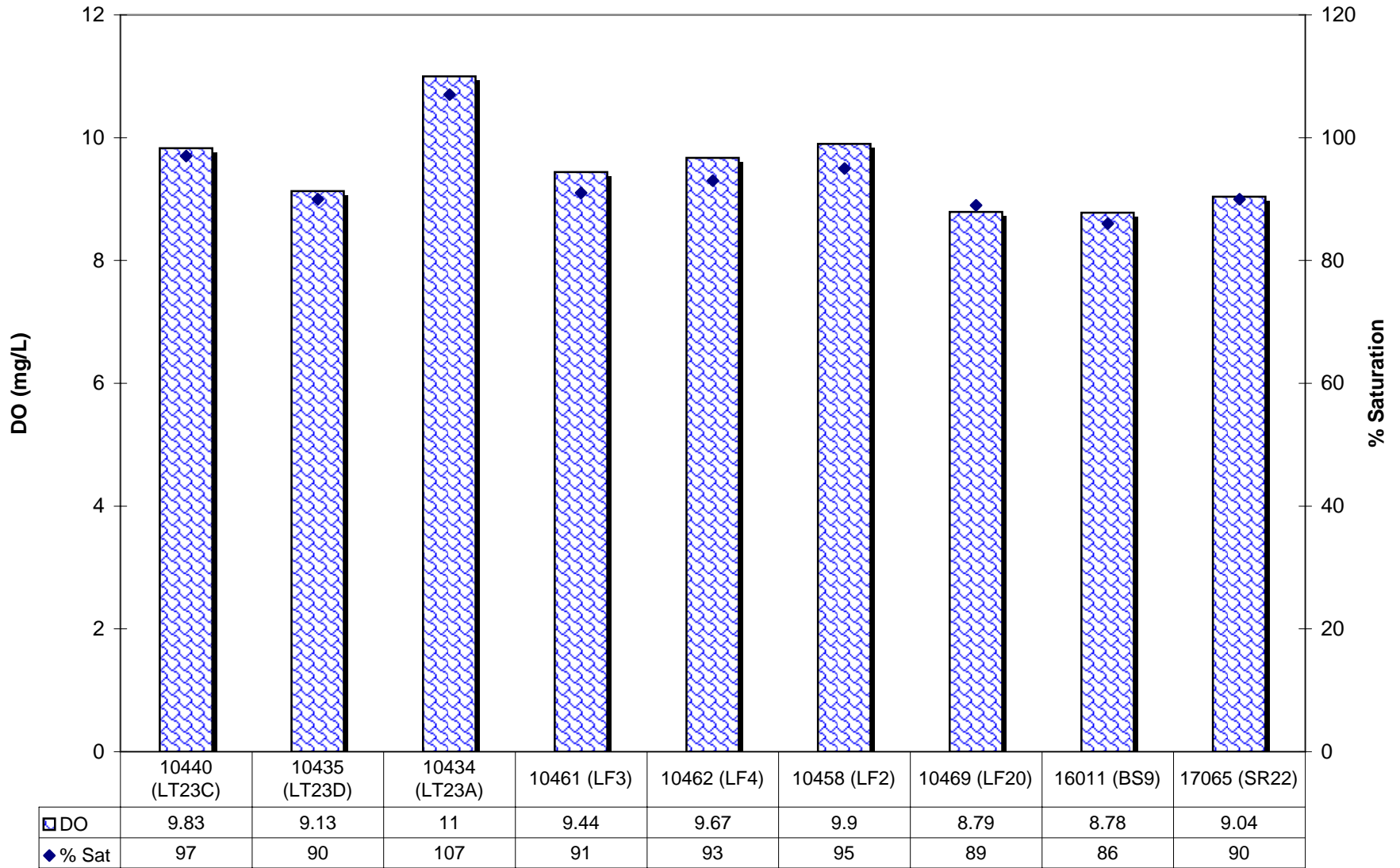
Date	SW ID	Station	Temperature °C 00010	pH Units 00400	DO mg/L 00300	% Saturation 00301	Conductivity µS/cm 00094	Salinity ppt 00480	Secchi Meters 00078	Turbidity NTU 82079	<i>E. coli</i> mpn/100ml 31699	Chlorophyll a µg/L 32211	Nitrite mg/L 00615	Nitrate mg/L 00620	Ortho- Phosphate 00671	TOC mg/L 00680	Total Alkalinity 00410	Total Hardness 00900	Chloride mg/L 00940	Sulfate mg/L 00945
3/8/05 11:22 AM	7.00	10440 (LT23C)	14.4	8.43	9.83	97	190	*	0.55	13.5	1	19	< 0.02	< 0.02	< 0.04	5	79	84	< 10	10.5
3/8/05 10:35 AM	7.00	10435 (LT23D)	13.8	8.18	9.13	90	194	*	0.69	9.79	1	28	< 0.02	< 0.02	< 0.04	6	78	76	< 10	11.9
3/8/05 9:30 AM	7.00	10434 (LT23A)	12.9	8.66	11	107	184	*	1.41	3.27	< 1	30	< 0.02	< 0.02	< 0.04	6	78	76	< 10	< 10
3/8/05 8:15 AM	6.12	10461 (LF3)	13.2	7.45	9.44	91	159	*	1.92	2.59	1	6	< 0.02	0.06	< 0.04	6	31	44	16.2	19.5
3/8/05 8:37 AM	6.12	10462 (LF4)	12.9	7.55	9.67	93	157	*	1.21	3.81	1	12	< 0.02	0.04	< 0.04	6	32	48	15.2	19.4
3/8/05 7:36 AM	6.12	10458 (LF2)	12.8	7.64	9.9	95	153	*	1.98	1.79	< 1	9	< 0.02	0.1	< 0.04	6	32	44	14.8	18
3/8/05 1:34 PM	6.10	10469 (LF20)	15.3	6.85	8.79	89	348	*	0.42	21.8	147	*	< 0.02	0.08	< 0.04	6	18	112	56.6	66.8
3/9/05 6:29 AM	6.02	16011 (BS9)	14	6.76	8.78	86	184	*	0.49	7.29	194	*	< 0.02	0.14	< 0.04	7	15	68	25.8	28.7
3/8/05 12:30 PM	6.00	17065 (SR22)	14.6	7.56	9.04	90	375	*	0.29	41.9	112	14	< 0.02	0.07	< 0.04	7	70	124	< 10	57.2
3/8/05 1:06 PM	6.00	10430 (SR21)	15	7.4	9.4	95	469	*	0.33	27.8	161	*	< 0.02	0.03	< 0.04	8	55	128	70.9	77.7
3/8/05 2:00 PM	6.00	10429 (SR19)	15.3	7.29	9.7	99	354	*	0.36	26	78	23	< 0.02	0.06	< 0.04	7	40	88	51.6	58.2
3/9/05 7:03 AM	5.00	10428 (SR17)	14.4	7.08	9	90	267	*	0.36	21.9	299	*	< 0.02	0.08	< 0.04	7	31	40	38	41.4
3/9/05 7:32 AM	5.00	10427 (SR16)	14.3	7.03	8.92	90	272	*	0.36	36.3	102	*	< 0.02	0.09	< 0.04	7	30	72	42	38.4
3/9/05 7:59 AM	5.00	10426 (SR15)	14.5	7.01	8.98	89	277	*	0.38	31.2	111	*	< 0.02	0.11	< 0.04	7	30	80	44.2	37.8
3/9/05 8:28 AM	5.00	10423 (SR14)	14.3	6.99	8.92	88	279	*	0.39	26	77	*	< 0.02	0.46	< 0.04	6	29	64	42.9	36.2
3/9/05 9:58 AM	5.00	13628 (SR11)	14.3	7.1	9.08	90	270	*	0.35	25.1	50	*	< 0.02	0.34	< 0.04	6	33	80	39.7	37
3/9/05 10:34 AM	5.00	10415 (SR10)	14.5	6.97	8.72	87	266	*	0.36	27.6	50	*	< 0.02	0.34	< 0.04	7	33	76	38.1	37.8

*: Not sampled on this run

SABINE RIVER AUTHORITY OF TEXAS

March 2005

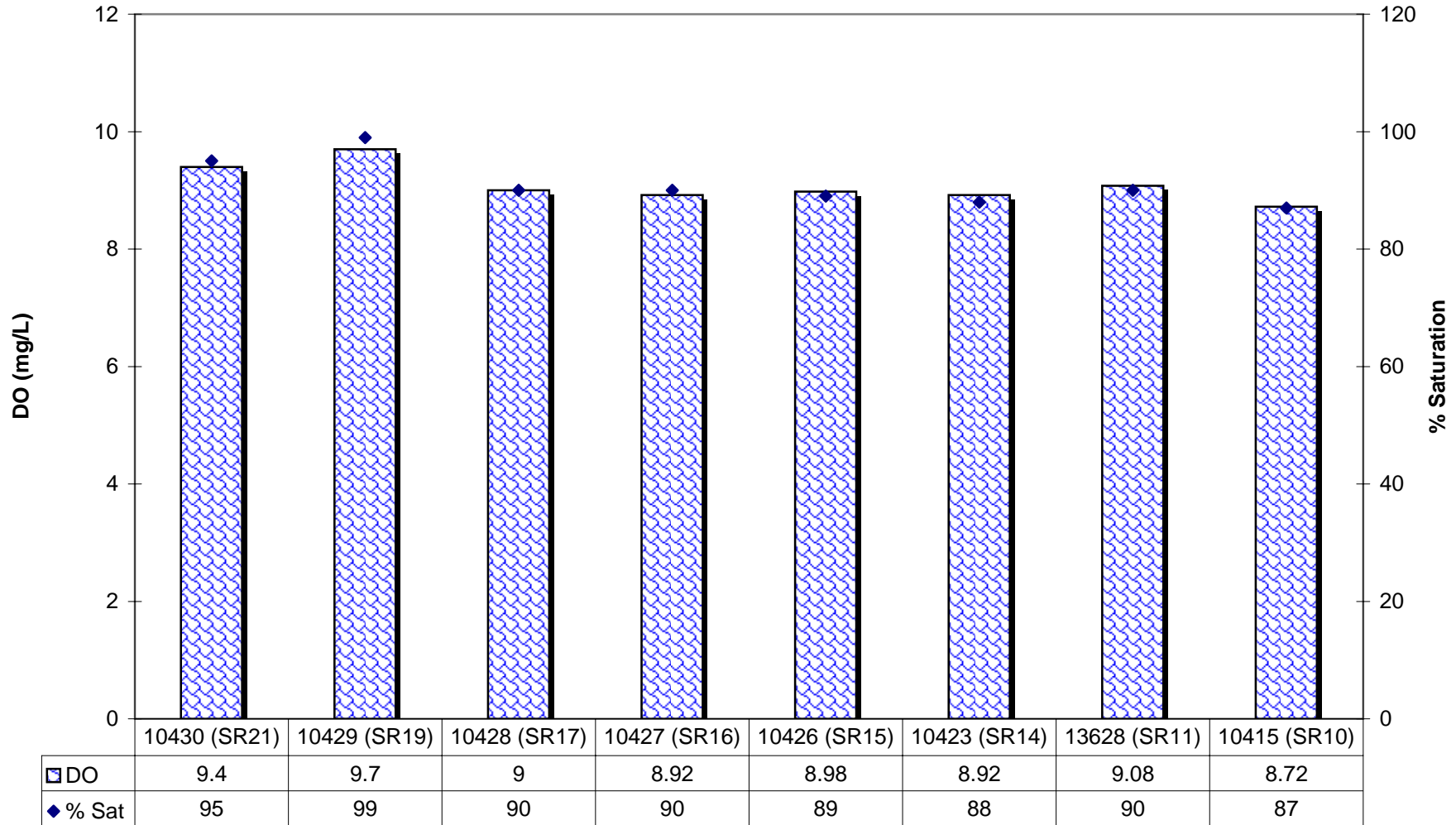
Upper Sabine Basin DO / % Saturation (1 of 2)



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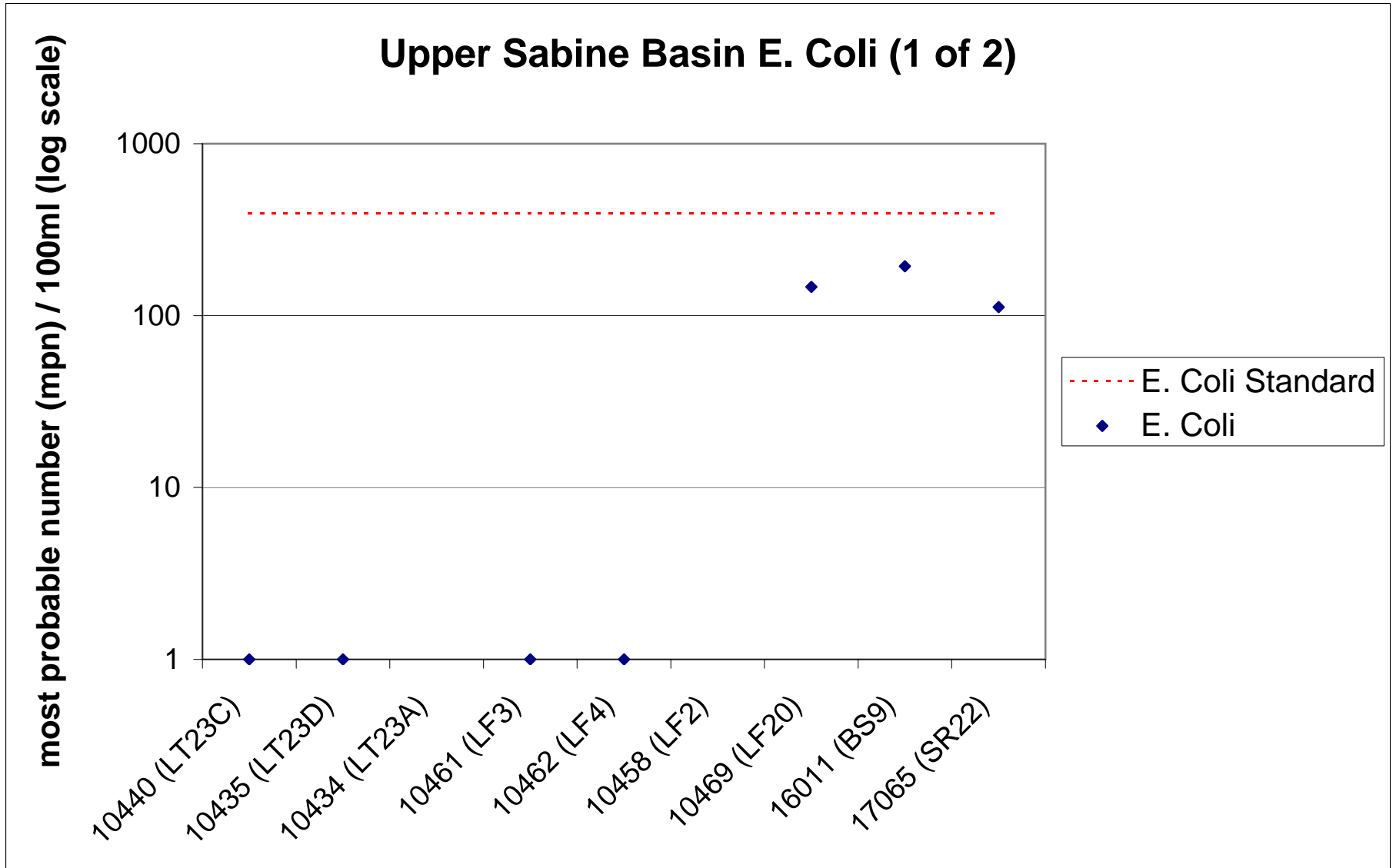
March 2005

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



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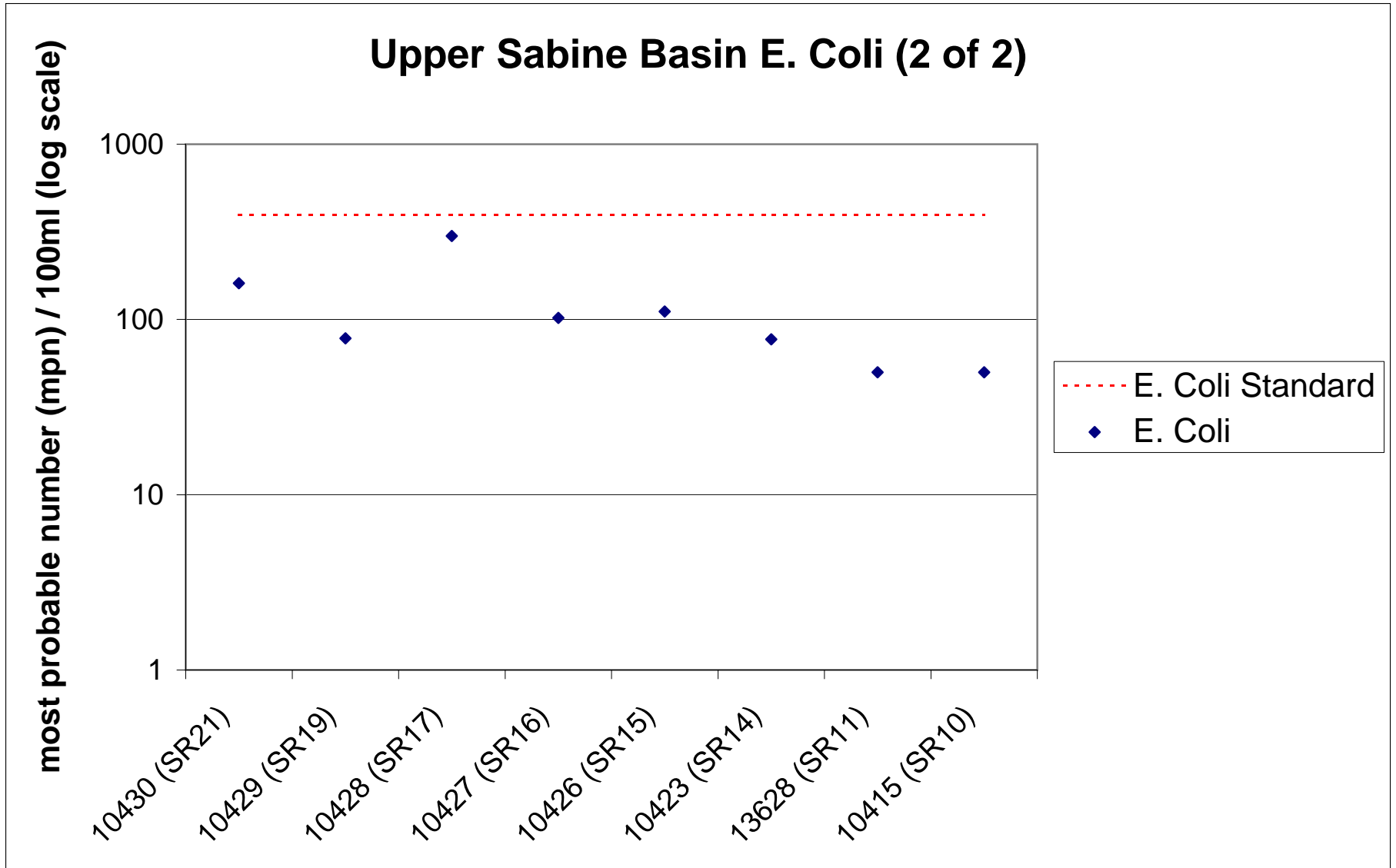
March 2005



Stations without values were below detection limit on this run (see page 2)

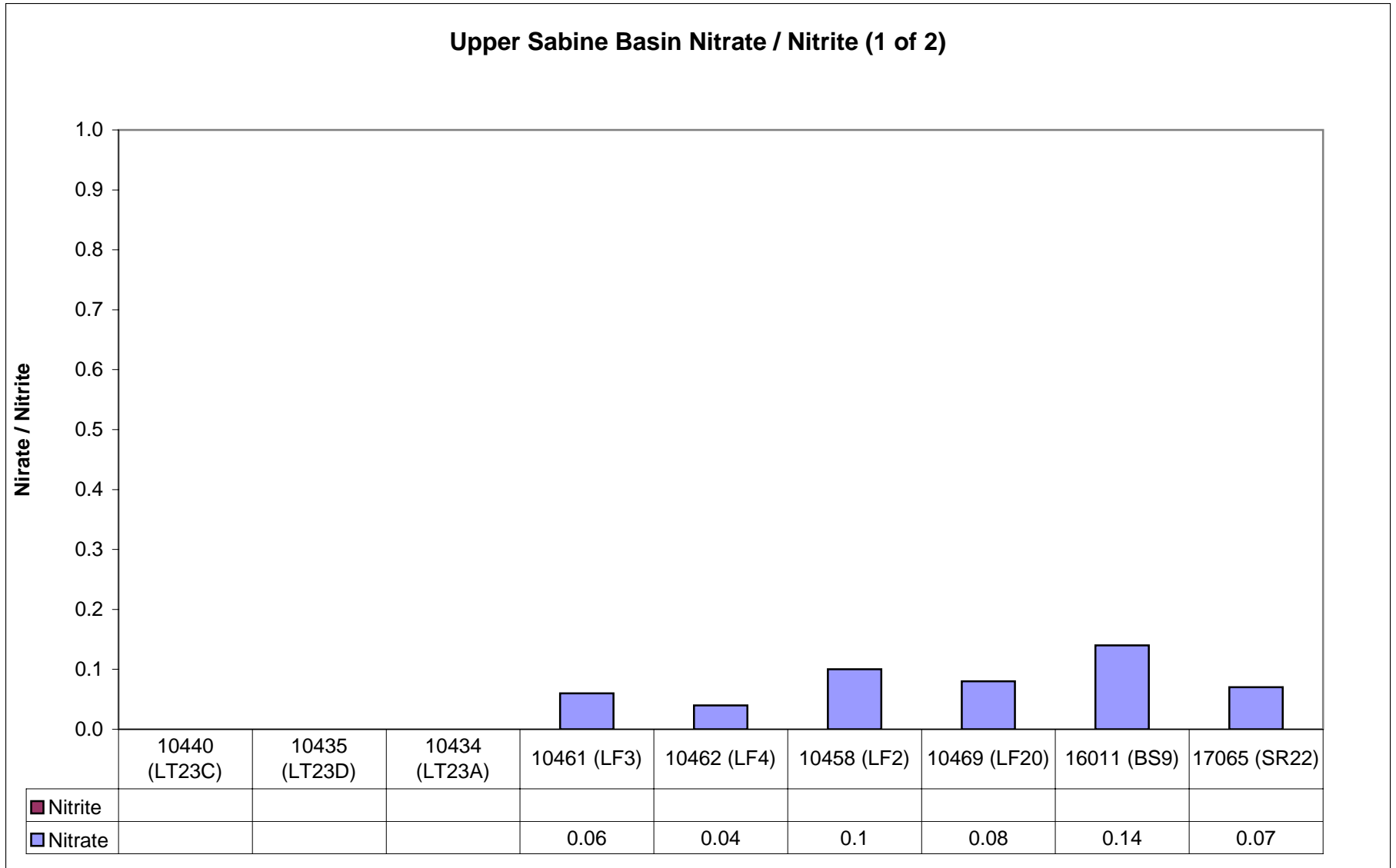
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March 2005



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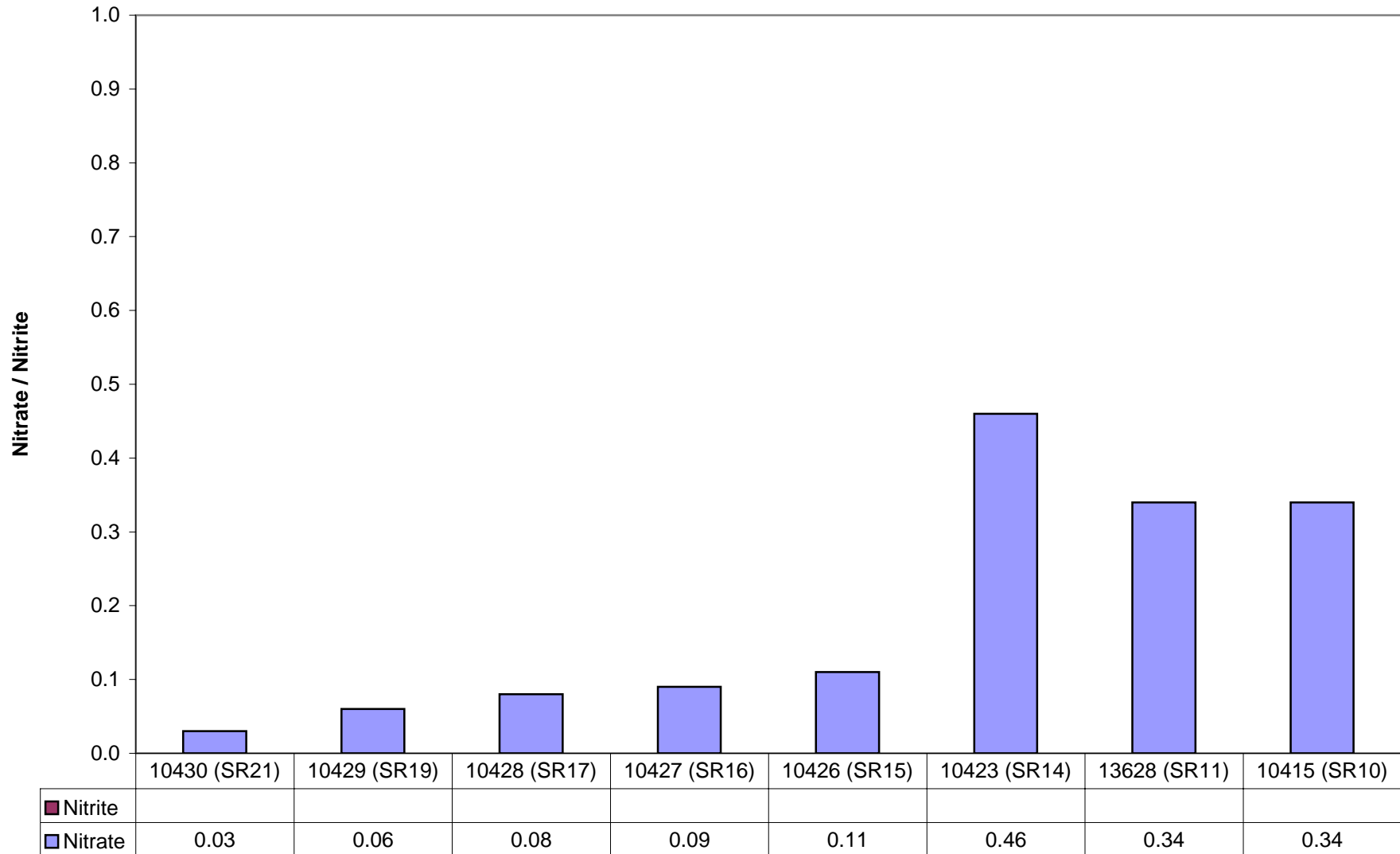


Stations without values below detection limit (< 0.02 mg/L) on this run (see page 2)

SABINE RIVER AUTHORITY OF TEXAS

March 2005

Upper Sabine Basin Nitrate / Nitrite (2 of 2)



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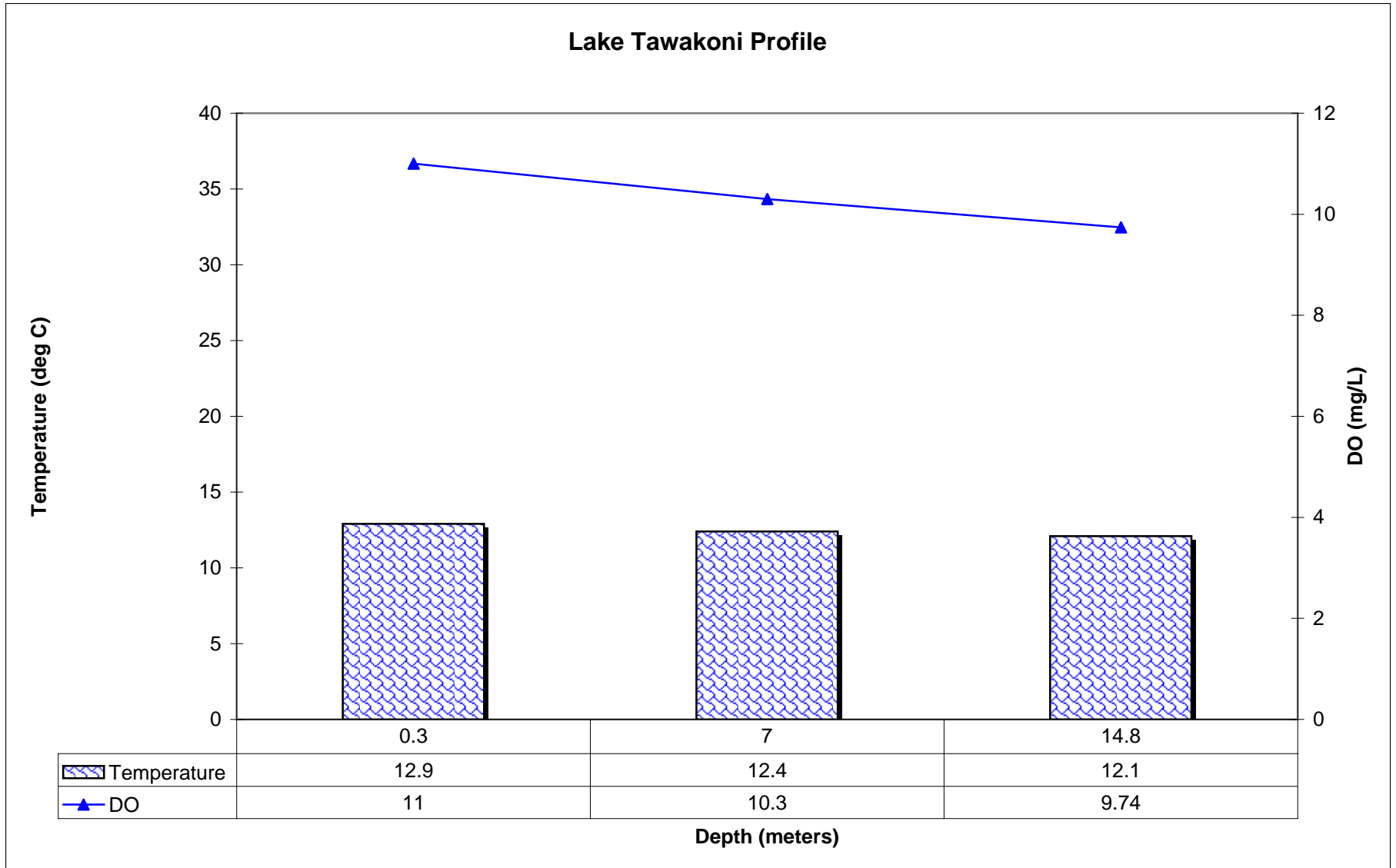
Upper Basin Profiles

March 2005

Date	SW ID	Station	Depth Meters	Temperature °C 00010	pH Units 00400	DO mg/L 00300	% Saturation 00301	Conductivity µS/cm 00094
3/8/05 11:22 AM	7.00	10440 (LT23C)	0.3	14.4	8.43	9.83	97	190
			2	13.8	8.27	9.41	92	190
			3.5	13.7	8.28	9.45	93	188
3/8/05 10:35 AM	7.00	10435 (LT23D)	0.3	13.8	8.18	9.13	90	194
			3.8	13.3	7.94	8.45	82	194
			7.3	13.2	7.89	8.37	81	194
3/8/05 9:30 AM	7.00	10434 (LT23A)	0.3	12.9	8.66	11	107	184
			7	12.4	8.34	10.3	98	185
			14.8	12.1	8.09	9.74	92	185
3/8/05 8:15 AM	6.12	10461 (LF3)	0.3	13.2	7.45	9.44	91	159
			5.4	12.9	7.25	8.8	85	160
			9.7	12.4	7.13	7.76	74	163
3/8/05 8:37 AM	6.12	10462 (LF4)	0.3	12.9	7.55	9.67	93	157
			5.5	12.9	7.43	9.85	95	157
			11	12.1	7.2	8.97	85	156
3/8/05 7:36 AM	6.12	10458 (LF2)	0.3	12.8	7.64	9.9	95	153
			8	12.7	7.59	9.61	92	153
			16.7	12.4	7.27	8.43	80	154

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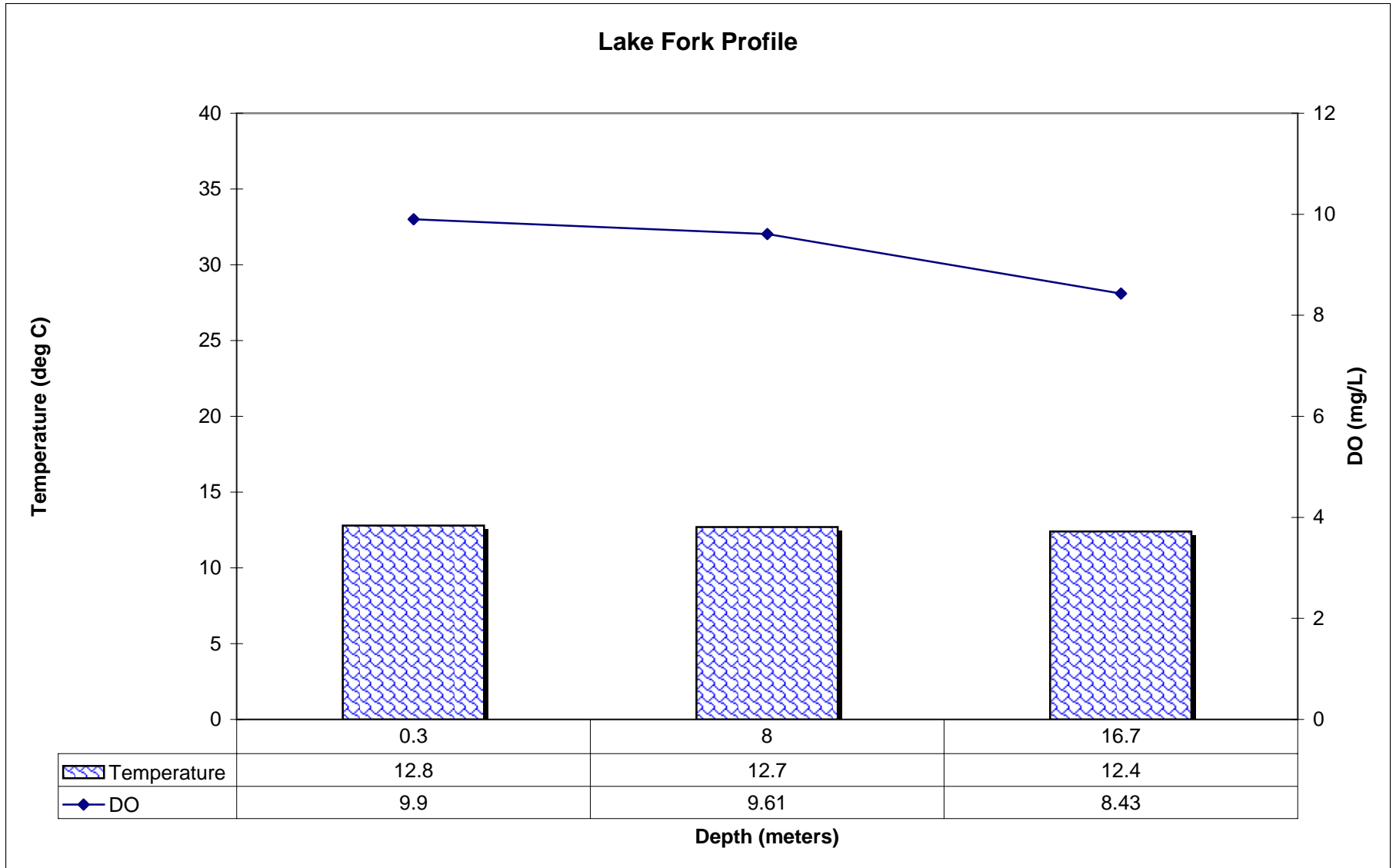
March 2005



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

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March 2005



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Lake Tawakoni Weather and Reservoir Data

March 2005

Date	Lake Elev	LE - TOP	Releases inst	Max Temp	Min Temp	Rainfall	Evap
3/1/2005	437.55	0.05	26	58	32	0.00	0.14
3/2/2005	437.54	0.04	26	52	33	0.11	0.11
3/3/2005	437.54	0.04	6	56	36	0.03	0.01
3/4/2005	437.52	0.02	6	57	40	0.00	0.03
3/5/2005	437.52	0.02	6	62	43	0.04	0.10
3/6/2005	437.52	0.02	6	61	45	0.00	0.04
3/7/2005	437.53	0.03	6	68	50	0.04	0.09
3/8/2005	437.51	0.01	6	71	39	0.00	0.22
3/9/2005	437.51	0.01	6	63	40	0.01	0.16
3/10/2005	437.46	(0.04)	6	63	35	0.00	0.20
3/11/2005	437.46	(0.04)	6	74	35	0.00	0.20
3/12/2005	437.40	(0.10)	6	66	42	0.00	0.32
3/13/2005	437.42	(0.08)	6	77	53	0.00	0.31
3/14/2005	437.37	(0.13)	6	66	35	0.00	0.23
3/15/2005	437.34	(0.16)	6	61	36	0.00	0.26
3/16/2005	437.34	(0.16)	6	48	39	0.05	0.07
3/17/2005	437.30	(0.20)	6	48	31	0.00	0.05
3/18/2005	437.25	(0.25)	6	59	31	0.00	0.17
3/19/2005	437.27	(0.23)	6	70	46	0.00	0.22
3/20/2005	437.24	(0.26)	6	70	56	0.00	0.23
3/21/2005	437.22	(0.28)	6	74	55	0.00	0.19
3/22/2005	437.28	(0.22)	6	72	50	0.15	0.11
3/23/2005	437.21	(0.29)	6	60	40	0.00	0.26
3/24/2005	437.15	(0.35)	6	62	42	0.00	0.11
3/25/2005	437.16	(0.34)	6	76	50	0.00	0.21
3/26/2005	437.21	(0.29)	6	72	46	0.05	0.25
3/27/2005	437.33	(0.17)	6	55	42	1.16	0.11
3/28/2005	437.41	(0.09)	6	53	41	0.42	0.00
3/29/2005	437.44	(0.06)	6	71	42	0.00	0.18
3/30/2005	437.47	(0.03)	6	71	54	0.00	0.13
3/31/2005	437.46	(0.04)	6	81	54	0.00	0.29
Avg or Tot	437.38	(0.12)	7	64	42	2.06	5.00

	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.				

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

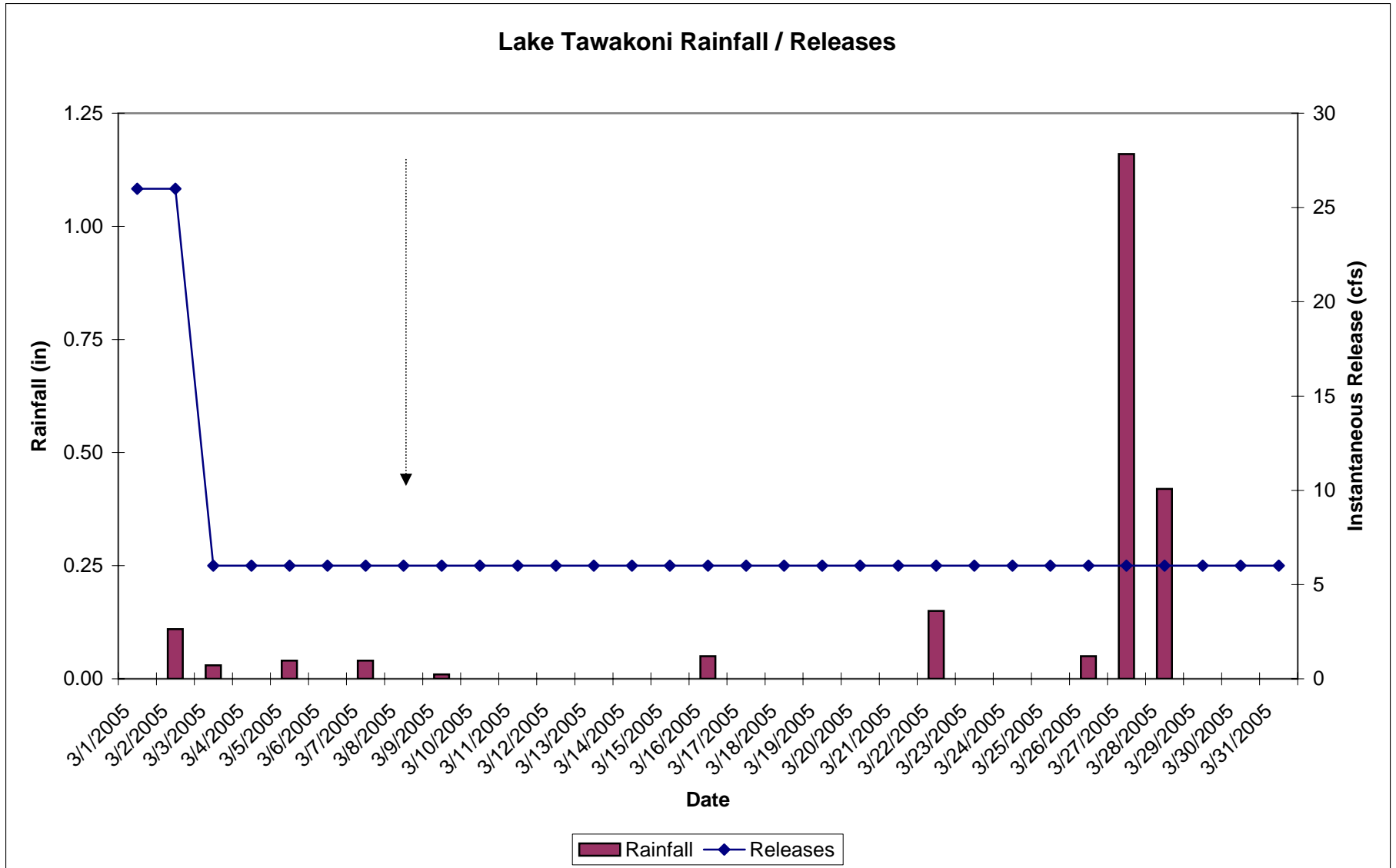
Lake Tawakoni Sampled on 3/8/2005

Lake Elev from USGS daily mean elevation
 USGS 08017400 Lk Tawakoni nr Wills Point, TX
http://waterdata.usgs.gov/tx/nwis/dv/?site_no=08017400&agency_cd=USGS
 Acquired 4/14/2005; provisional and subject to revision by USGS.

Other values measured by SRA-TX

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March 2005



Please Note : Lake Tawakoni has an uncontrolled spillway.

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Lake Fork Weather and Reservoir Data

March 2005

Date	Lake Elev	LE - TOP	Releases avg	Releases cur	Max Temp	Min Temp	Rainfall	Evap
3/1/2005	402.67	(0.33)	8	8	62	40	0.00	0.12
3/2/2005	402.67	(0.33)	8	8	54	38	0.06	0.09
3/3/2005	402.67	(0.33)	8	8	60	48	0.00	0.05
3/4/2005	402.67	(0.33)	8	8	63	48	0.00	0.10
3/5/2005	402.68	(0.32)	8	8	66	46	0.00	0.05
3/6/2005	402.68	(0.32)	8	8	68	50	0.00	0.06
3/7/2005	402.71	(0.29)	8	8	73	62	0.00	0.13
3/8/2005	402.69	(0.31)	8	8	74	46	0.00	0.17
3/9/2005	402.71	(0.29)	8	8	65	50	0.03	0.05
3/10/2005	402.68	(0.32)	8	8	65	40	0.00	0.27
3/11/2005	402.68	(0.32)	8	8	76	51	0.00	0.12
3/12/2005	402.65	(0.35)	8	8	69	61	0.00	0.30
3/13/2005	402.67	(0.33)	8	8	80	60	0.00	0.27
3/14/2005	402.64	(0.36)	8	8	72	40	0.00	0.37
3/15/2005	402.64	(0.36)	8	8	64	43	0.03	0.25
3/16/2005	402.63	(0.37)	8	8	52	39	0.02	0.13
3/17/2005	402.62	(0.38)	8	8	49	38	0.00	0.10
3/18/2005	402.59	(0.41)	8	8	63	38	0.00	0.14
3/19/2005	402.59	(0.41)	8	8	72	50	0.00	0.16
3/20/2005	402.59	(0.41)	8	8	73	53	0.00	0.19
3/21/2005	402.58	(0.42)	8	8	75	54	0.06	0.27
3/22/2005	402.64	(0.36)	8	8	72	54	0.20	0.04
3/23/2005	402.62	(0.38)	8	8	64	42	0.00	0.10
3/24/2005	402.59	(0.41)	8	8	63	50	0.00	0.02
3/25/2005	402.61	(0.39)	8	8	77	60	0.00	0.37
3/26/2005	402.63	(0.37)	8	8	75	50	0.00	0.22
3/27/2005	402.72	(0.28)	8	8	58	43	1.00	0.00
3/28/2005	402.74	(0.26)	8	8	53	46	0.46	0.00
3/29/2005	402.75	(0.25)	8	8	74	56	0.00	0.21
3/30/2005	402.78	(0.22)	8	8	73	65	0.00	0.18
3/31/2005	402.79	(0.21)	8	8	82	60	0.00	0.32
Avg or Tot	402.66	(0.34)	8	8	67	49	1.86	4.85

	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.

NR: No Reading
FZ: Gage Frozen

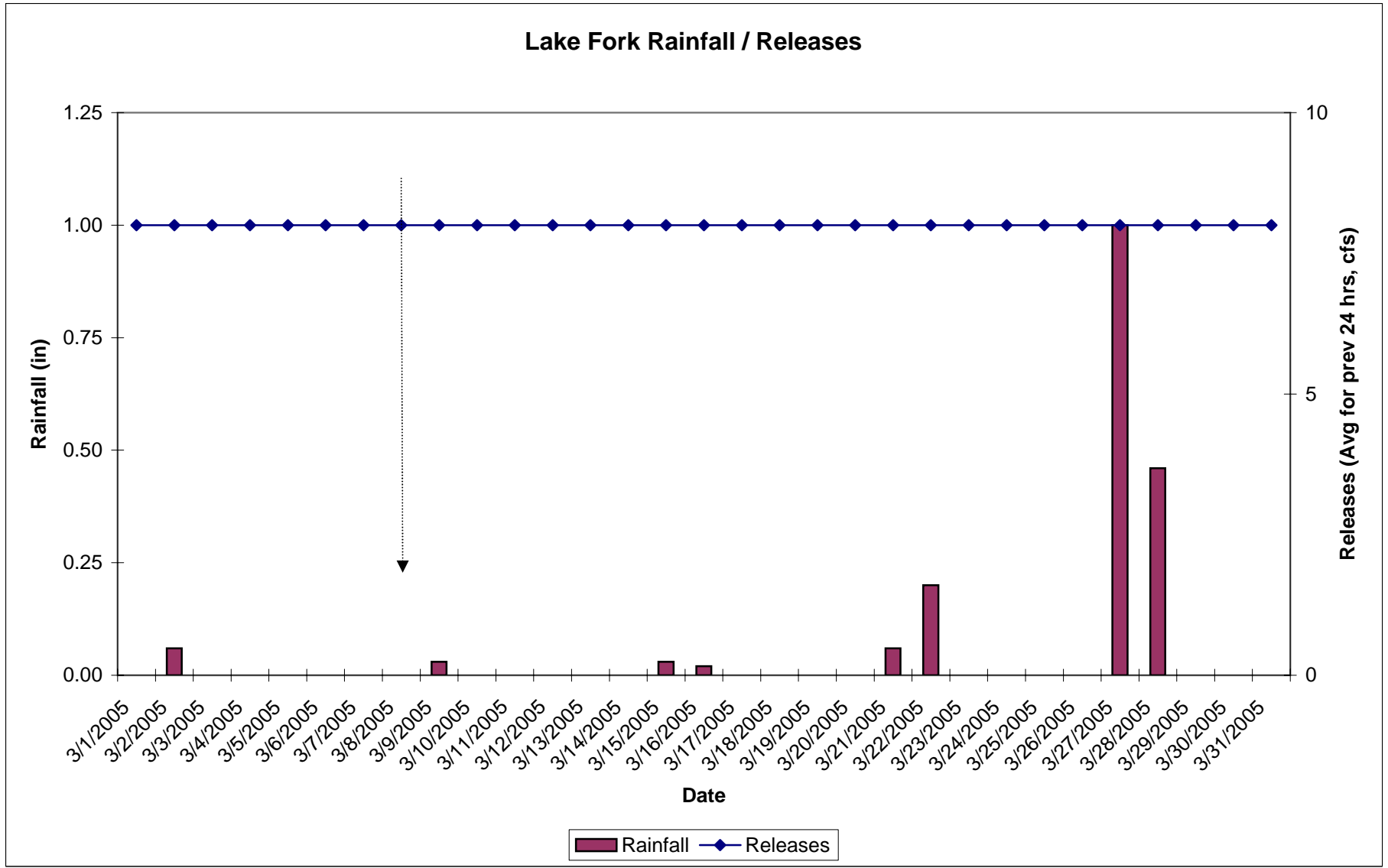
Lake Fork Sampled on 3/8/2005

Lake Elev from USGS daily mean elevation
USGS 08018800 Lake Fork Res nr Quitman, TX
http://waterdata.usgs.gov/tx/nwis/dv/?site_no=08018800&agency_cd=USGS
Acquired 4/14/2005; provisional and subject to revision by USGS.

Other values measured by SRA-TX

SABINE RIVER AUTHORITY OF TEXAS

March 2005



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FY 2005 Fixed Monitoring Stations

Lower Sabine Basin

SW	Segment	Station	Location
4.00	0504	10403 (TB8)	TOLEDO BEND RESERVOIR AT US 84 NEAR LOGANSPO RT LA
4.00	0504	18051 (TB7A)	TOLEDO BEND RESERVOIR AT RECREATION SITE 1
4.00	0504	18052 (TB6R)	TOLEDO BEND RAGTOWN
4.00	0504	18053 (TB6LN)	TOLEDO BEND RESERVOIR SAN MIGUEL ARM BOAT LANE
4.00	0504	15655 (TB6J)	TOLEDO BEND RESERVOIR PATROON BAYOU BRANCH AT FM 276
4.00	0504	15659 (TB6K)	TOLEDO BEND RESERVOIR IN LANANA BAYOU AT LOUISIANA SH 191 IN SABINE PARISH LOUISIANA WEST OF MANY
4.00	0504	10402 (TB6H)	TOLEDO BEND RESERVOIR AT SH 21 NORTHEAST OF MILAM
4.00	0504	18054 (TB6Q)	TOLEDO BEND RESERVOIR IN NEGREET BAYOU
4.00	0504	10411 (TB6F)	TOLEDO BEND RESERVOIR IN SUNSHINE BAY NEAR FM 3121 BRIDGE
4.00	0504	10407 (TB6CN)	TOLEDO BEND RESERVOIR IN SIX MILE BOAT LANE AT SH 87
4.00	0504	10404 (TB6A)	TOLEDO BEND RESERVOIR MAIN LAKE ABOVE THE DAM AT THE OLD RIVER CHANNEL
3.03	0503	10340 (BA4)	ANACOCO BAYOU AT LOUISIANA HWY 111 CROSSING SOUTHWEST OF KNIGHT LA
3.00	0503	10401 (TB6S)	SABINE RIVER BELOW TOLEDO BEND RESERVOIR AT RIGHT ABUTMENT OF SPILLWAY FOR DAM
3.00	0503	10399 (SR5)	SABINE RIVER AT SH 63 EAST OF BURKEVILLE TX.
3.00	0503	10398 (SR3)	SABINE RIVER AT US 190 EAST OF BON WIER TX.
2.05	0513	10465 (BCC1)	BIG COW CREEK AT FM 1416 SOUTH OF BON WIER
2.00	0502	10397 (SR2)	SABINE RIVER AT SH 12 NORTH OF DEWEYVILLE TX.

SABINE RIVER AUTHORITY OF TEXAS

Lower Basin Report

March 2005

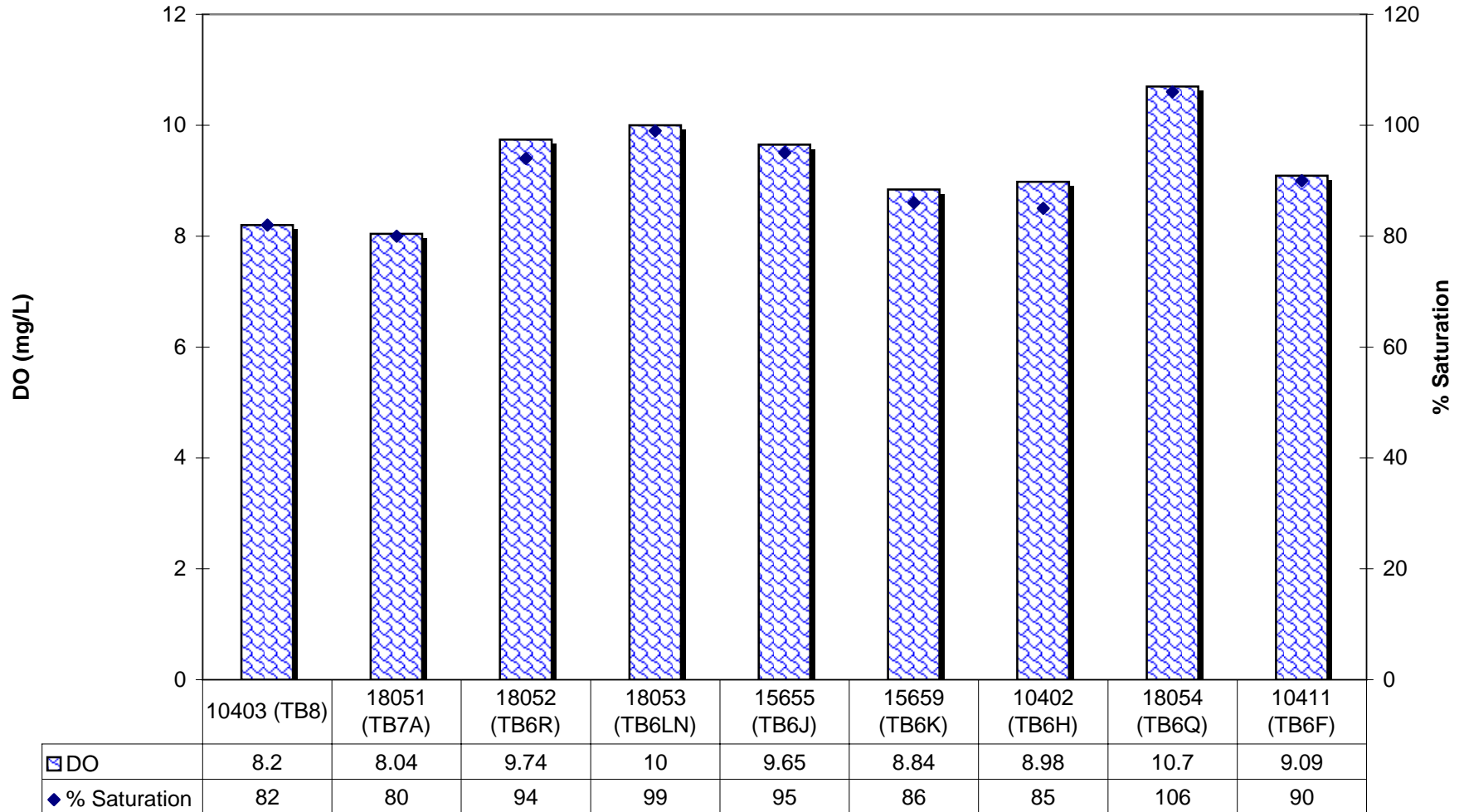
Date	SW ID	Station	Temperature °C 00010	pH Units 00400	DO mg/L 00300	% Saturation 00301	Conductivity µS/cm 00094	Salinity ppt 00480	Secchi Meters 00078	Turbidity NTU 82079	<i>E. coli</i> mpn/100ml 31699	Chlorophyll a µg/L 32211	Nitrite mg/L 00615	Nitrate mg/L 00620	Ortho- Phosphate 00671	TOC mg/L 00680	Total Alkalinity 00410	Total Hardness 00900	Chloride mg/L 00940	Sulfate mg/L 00945
3/9/05 11:12 AM	4.00	10403 (TB8)	14.9	6.86	8.2	82	228	*	0.37	25.8	194	*	< 0.02	0.23	< 0.04	8	28	76	30.7	32
3/9/05 11:52 AM	4.00	18051 (TB7A)	14.8	6.85	8.04	80	207	*	0.34	30.2	816	*	< 0.02	0.17	< 0.04	9	26	56	28	29.7
3/7/05 9:30 AM	4.00	18052 (TB6R)	14.2	7.15	9.74	94	136	*	0.47	15.7	1	25	< 0.02	0.14	0.04	10	21	40	17	19.1
3/7/05 10:50 AM	4.00	18053 (TB6LN)	15	7.05	10	99	117	*	0.58	11.5	1	*	< 0.02	0.17	< 0.04	9	18	32	15	16.9
3/8/05 10:13 AM	4.00	15655 (TB6J)	14.5	7.12	9.65	95	152	*	0.5	16	28	*	< 0.02	0.11	< 0.04	7	21	48	14.4	31.1
3/8/05 11:47 AM	4.00	15659 (TB6K)	14.7	6.85	8.84	86	127	*	0.52	13.5	8	*	< 0.02	0.16	< 0.04	9	18	48	15.2	21.9
3/8/05 10:55 AM	4.00	10402 (TB6H)	12.8	6.97	8.98	85	156	*	0.81	7.64	< 1	11	< 0.02	0.19	< 0.04	9	23	48	20.3	22.4
3/7/05 12:05 PM	4.00	18054 (TB6Q)	14.8	7.57	10.7	106	131	*	0.74	6.04	1	*	< 0.02	0.11	< 0.04	8	22	40	16.2	18.5
3/8/05 10:35 AM	4.00	10411 (TB6F)	14.8	6.93	9.09	90	81	*	0.39	23.6	80	8	< 0.02	0.1	< 0.04	5	19	28	< 10	13.3
3/8/05 9:35 AM	4.00	10407 (TB6CN)	15	6.39	8.52	84	97	*	0.48	20	16	*	< 0.02	0.06	< 0.04	9	12	32	< 10	20.3
3/7/05 1:00 PM	4.00	10404 (TB6A)	13.4	7.36	10.2	98	135	*	1.71	1.29	< 1	6	< 0.02	0.08	< 0.04	7	26	44	16.6	16.7
3/9/05 12:10 PM	3.03	10340 (BA4)	14.9	7.01	9.08	90	122	*	0.11	61.7	1730	*	< 0.02	0.1	< 0.04	9	22	36	< 10	24.8
3/9/05 10:20 AM	3.00	10401 (TB6S)	12.5	7.68	10.8	101	138	*	> 1.25	3.18	2	*	< 0.02	0.02	< 0.04	6	25	32	15.6	14.9
3/9/05 11:45 AM	3.00	10399 (SR5)	13.4	7.34	10.2	98	132	*	0.68	5.92	28	6	< 0.02	0.11	< 0.04	6	25	44	15	14.6
3/9/05 12:30 PM	3.00	10398 (SR3)	14.6	7.27	9.86	97	122	*	0.38	17.4	687	5	< 0.02	0.08	< 0.04	7	23	32	12.8	14
3/9/05 9:08 AM	2.05	10465 (BCC1)	14.9	6.67	9.21	92	37	*	0.18	35.3	1410	*	< 0.02	0.08	< 0.04	7	< 10	28	< 10	< 10
3/9/05 8:30 AM	2.00	10397 (SR2)	14.8	7.01	9.14	90	120	*	0.36	13.4	19	8	< 0.02	0.07	< 0.04	7	23	52	12.4	13.4

*: Not sampled on this run

SABINE RIVER AUTHORITY OF TEXAS

March 2005

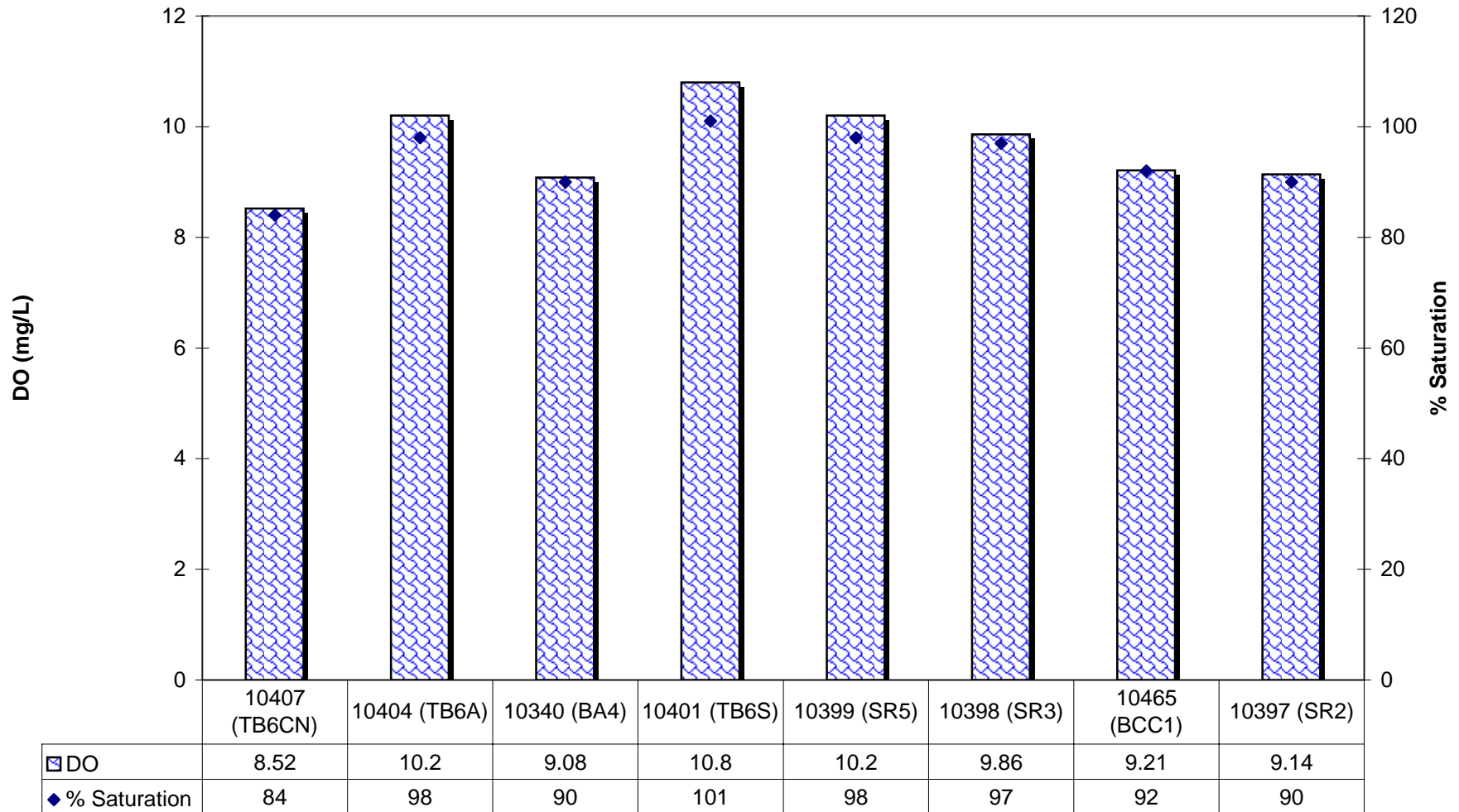
Lower Sabine Basin DO / % Saturation (1 of 2)



SABINE RIVER AUTHORITY OF TEXAS

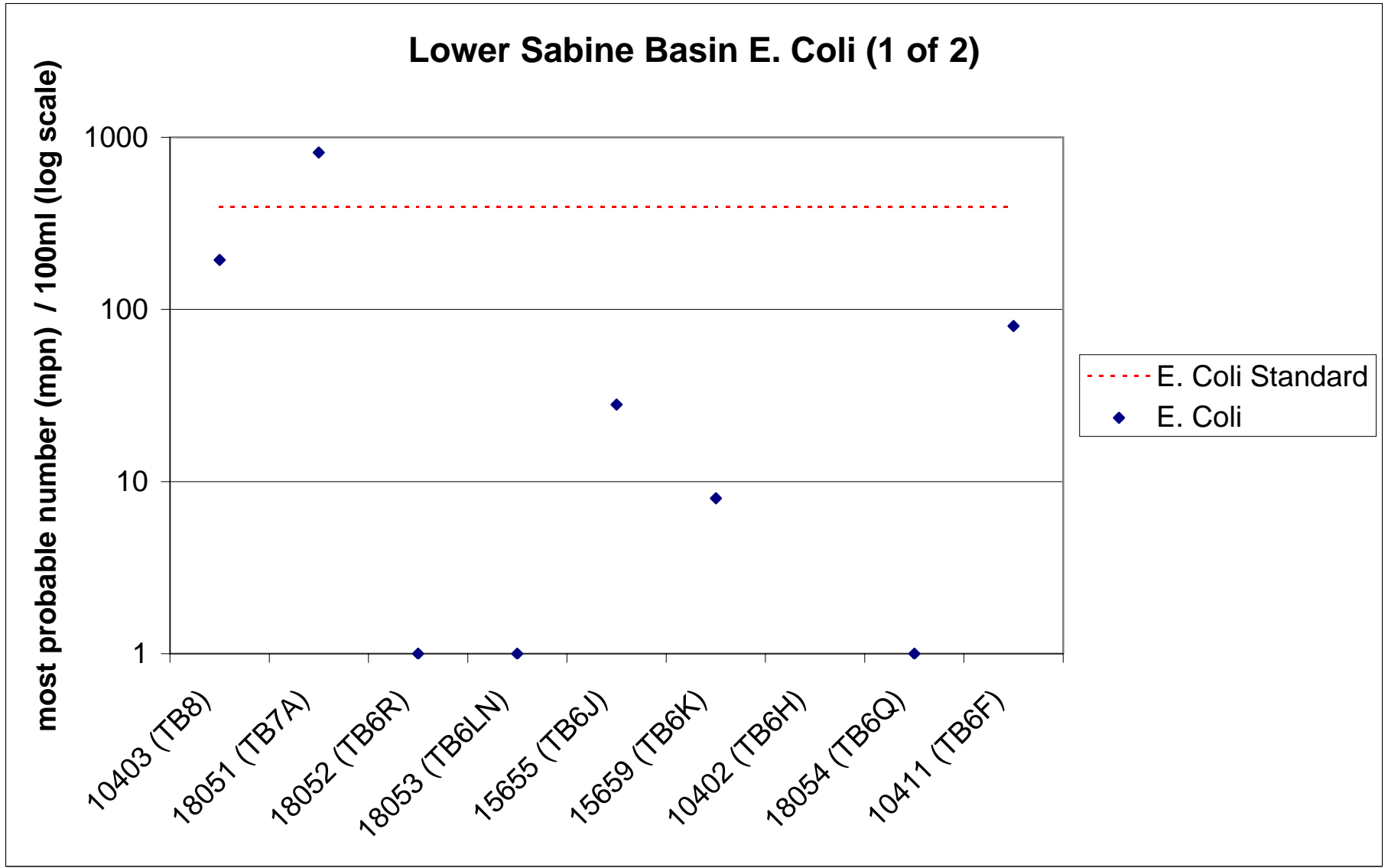
March 2005

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



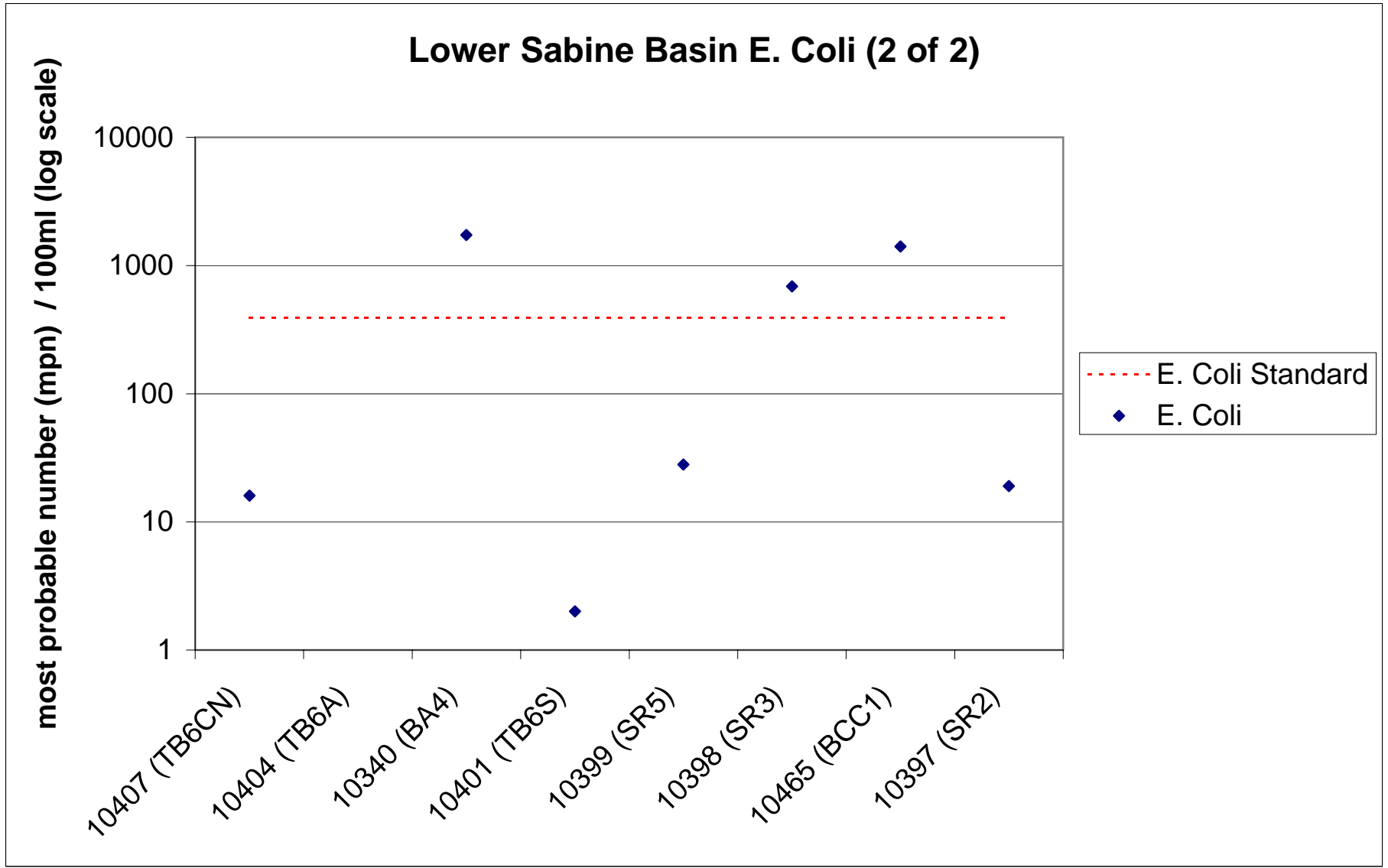
SABINE RIVER AUTHORITY OF TEXAS

March 2005



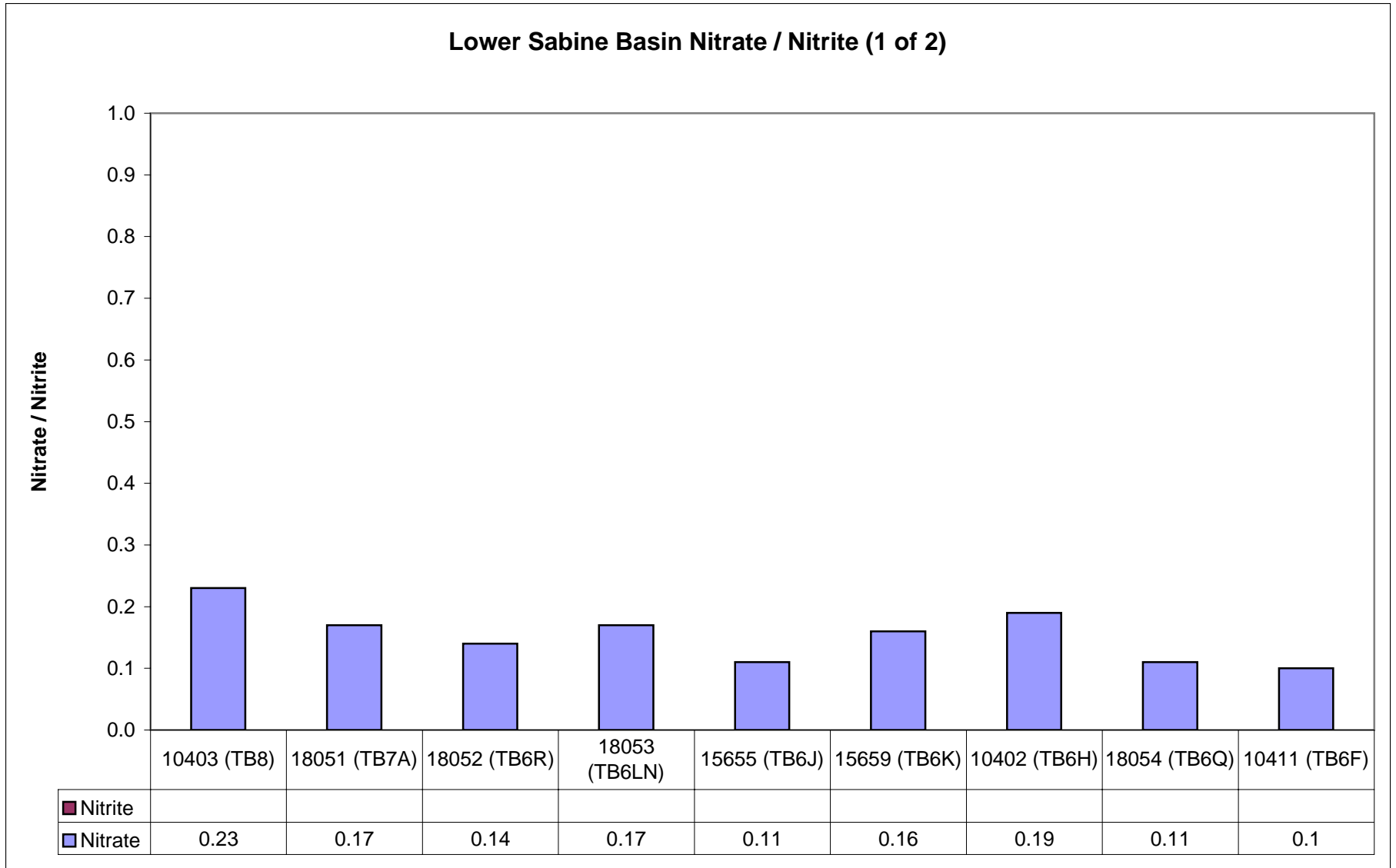
SABINE RIVER AUTHORITY OF TEXAS

March 2005



SABINE RIVER AUTHORITY OF TEXAS

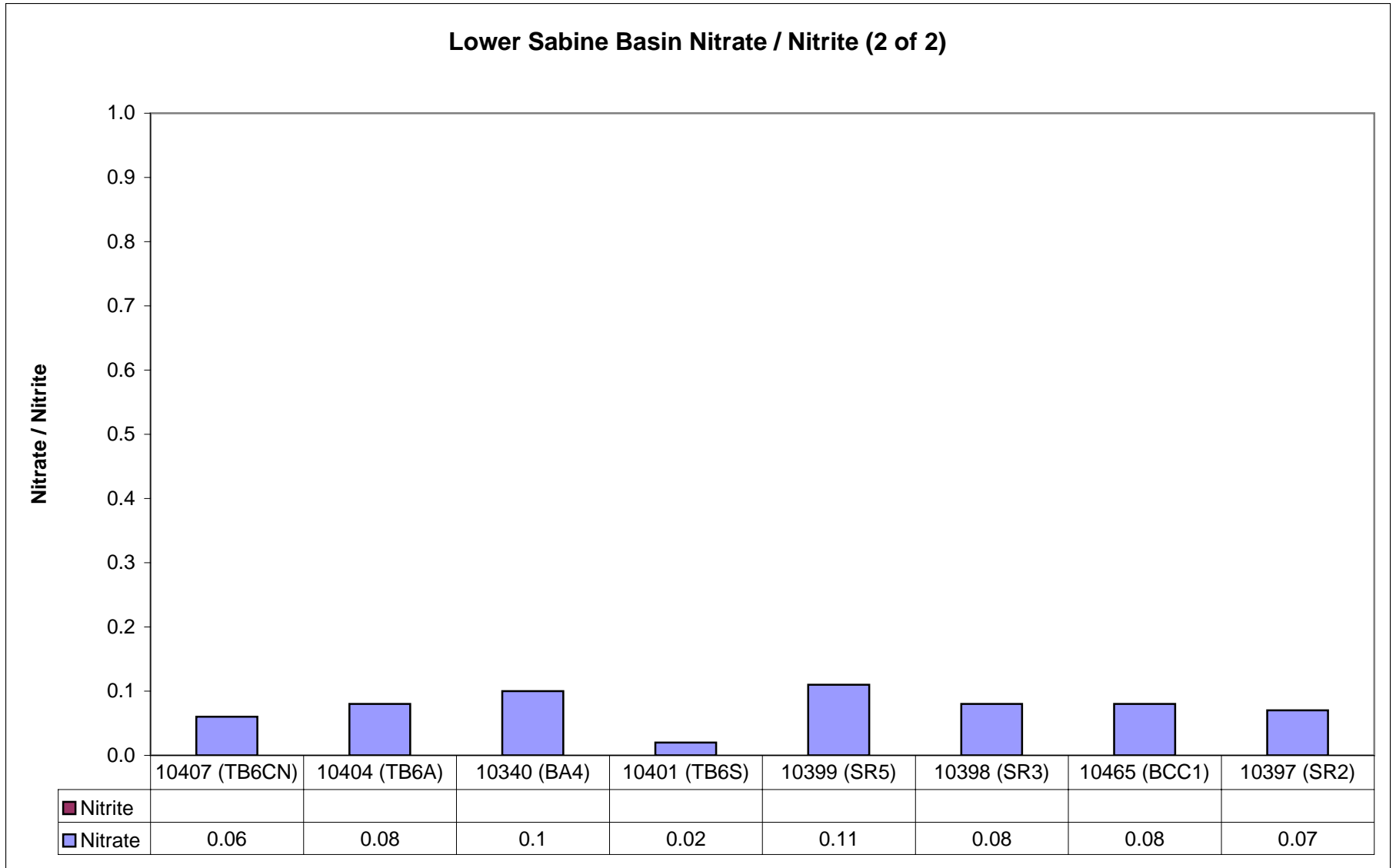
March 2005



Stations without values below detection limit (< 0.02 mg/L) on this run (see page 18)

SABINE RIVER AUTHORITY OF TEXAS

March 2005



Stations without values below detection limit (< 0.02 mg/L) on this run (see page 18)

SABINE RIVER AUTHORITY OF TEXAS

Lower Basin Profiles

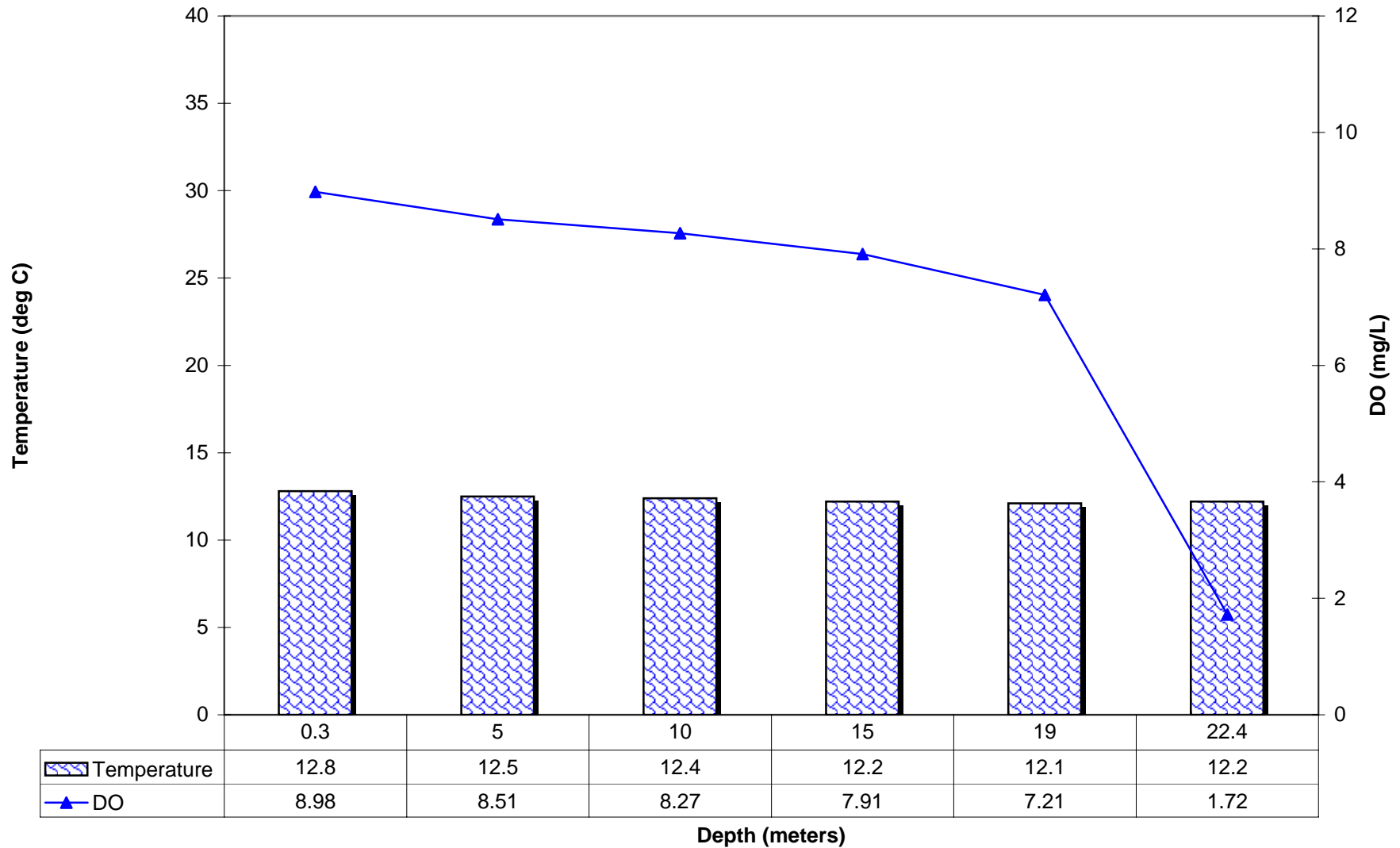
March 2005

Date	SW ID	Station	Depth Meters	Temperature	pH	DO	%	Conductivity
				°C 00010	Units 00400	mg/L 00300	Saturation 00301	µS/cm 00094
3/9/05 11:12 AM	4.00	10403 (TB8)	0.3	14.9	6.86	8.2	82	228
			6	14.6	6.86	8.04	80	227
			12.8	14.6	6.87	7.91	79	227
3/9/05 11:52 AM	4.00	18051 (TB7A)	0.3	14.8	6.85	8.04	80	207
			5	14.5	6.79	7.93	78	206
			9.8	14.5	6.83	8.05	80	205
3/7/05 9:30 AM	4.00	18052 (TB6R)	0.3	14.2	7.15	9.74	94	136
			5	13.4	6.92	8.51	81	136
			10	13	6.94	8.41	80	134
			15.2	12.7	6.94	8.06	75	136
3/7/05 10:50 AM	4.00	18053 (TB6LN)	0.3	15	7.05	10	99	117
			2.5	14.6	6.81	9.55	94	118
			5.7	13.2	6.76	7.32	70	101
3/8/05 10:13 AM	4.00	15655 (TB6J)	0.3	14.5	7.12	9.65	95	152
			2	14.3	7.04	9.49	93	152
			4.3	13.8	7.11	8.88	85	149
3/8/05 11:47 AM	4.00	15659 (TB6K)	0.3	14.7	6.85	8.84	86	127
			4	13.8	6.79	8.24	80	126
			8.8	13.7	6.89	8.23	79	125
3/8/05 10:55 AM	4.00	10402 (TB6H)	0.3	12.8	6.97	8.98	85	156
			5	12.5	6.92	8.51	80	151
			10	12.4	6.92	8.27	77	149
			15	12.2	6.95	7.91	74	147
			19	12.1	7.09	7.21	68	144
			22.4	12.2	6.94	1.72	13	154
3/7/05 12:05 PM	4.00	18054 (TB6Q)	0.3	14.8	7.57	10.7	106	131
			4	14.2	7.1	9.83	96	133
			8.4	12.6	7.14	7.53	70	135
3/8/05 10:35 AM	4.00	10411 (TB6F)	0.3	14.8	6.93	9.09	90	81
			2.5	14.2	6.8	8.59	84	79
			5	13.2	6.83	6.96	67	80
3/8/05 9:35 AM	4.00	10407 (TB6CN)	0.3	15	6.39	8.52	84	97
			3	14	6.4	7.49	73	99
			6.5	13.1	6.44	6.79	65	106
3/7/05 1:00 PM	4.00	10404 (TB6A)	0.3	13.4	7.36	10.2	98	135
			5	12.3	7.09	9.35	88	137
			10	12.2	6.95	8.32	78	137
			17.7	11.5	6.96	7.2	66	137

SABINE RIVER AUTHORITY OF TEXAS

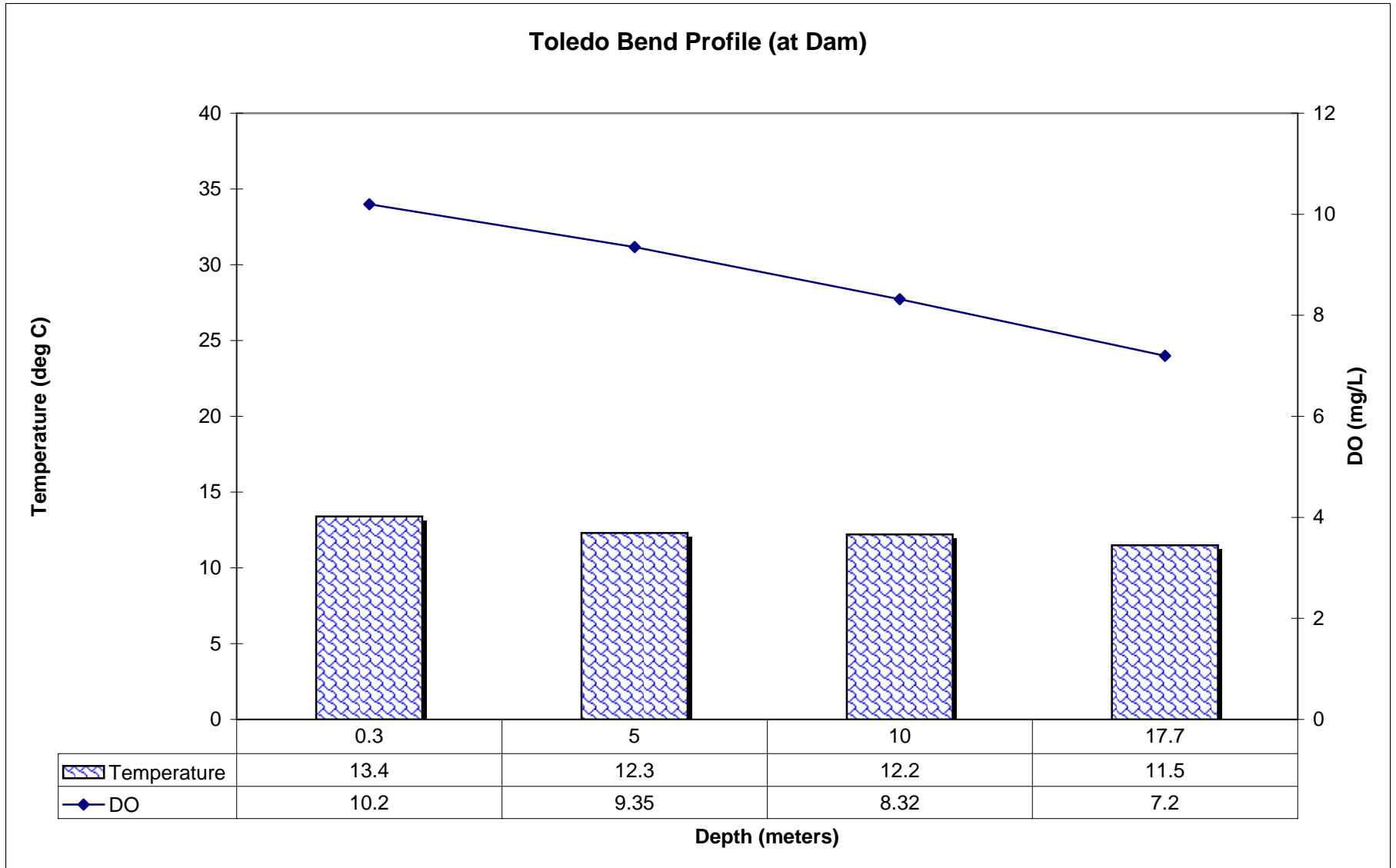
March 2005

Toledo Bend Profile (at Pendleton Bridge)



SABINE RIVER AUTHORITY OF TEXAS

March 2005



SABINE RIVER AUTHORITY OF TEXAS

Toledo Bend Weather and Reservoir Data

March 2005

Date	Lake Elev	LE - TOP	Max Temp	Min Temp	Rainfall	Evaporation	Daily Releases cfs	Daily Releases ac ft	Current Release
3/1/2005	169.76	(2.24)	61	38	0.00	0.14	15,327	30,401	15,319
3/2/2005	169.71	(2.29)	56	38	0.01	0.17	11,243	22,300	15,294
3/3/2005	169.87	(2.13)	46	41	0.37	0.09	7,199	14,279	7,224
3/4/2005	169.88	(2.12)	58	40	0.00	0.02	7,199	14,279	7,174
3/5/2005	169.90	(2.10)	66	39	0.00	0.13	7,211	14,303	7,199
3/6/2005	169.87	(2.13)	68	53	0.00	0.12	7,197	14,275	7,224
3/7/2005	169.89	(2.11)	70	53	0.19	0.09	7,199	14,279	7,169
3/8/2005	169.93	(2.07)	67	47	0.17	0.12	7,289	14,458	7,244
3/9/2005	169.85	(2.15)	60	45	0.00	0.24	7,332	14,543	7,449
3/10/2005	169.75	(2.25)	65	34	0.00	0.12	7,241	14,362	7,474
3/11/2005	169.85	(2.15)	70	36	0.00	0.17	3,095	6,139	7,000
3/12/2005	169.77	(2.23)	68	43	0.00	0.30	204	405	204
3/13/2005	169.87	(2.13)	78	42	0.00	0.27	204	405	204
3/14/2005	169.95	(2.05)	80	49	0.06	0.23	204	405	204
3/15/2005	169.94	(2.06)	64	43	0.00	0.20	204	405	204
3/16/2005	170.05	(1.95)	56	42	0.01	0.12	204	405	204
3/17/2005	169.90	(2.10)	45	40	0.01	0.01	4,643	9,209	204
3/18/2005	169.70	(2.30)	59	35	0.00	0.13	4,645	9,213	7,325
3/19/2005	169.81	(2.19)	67	34	0.00	0.17	204	405	204
3/20/2005	169.97	(2.03)	75	53	0.52	0.18	204	405	204
3/21/2005	169.96	(2.04)	72	54	0.00	0.16	4,627	9,178	204
3/22/2005	170.05	(1.95)	68	55	0.45	0.15	7,240	14,360	7,574
3/23/2005	170.08	(1.92)	75	49	0.00	0.30	7,224	14,329	7,274
3/24/2005	169.99	(2.01)	68	46	0.00	0.19	7,224	14,329	7,274
3/25/2005	169.98	(2.02)	76	49	0.00	0.21	7,249	14,378	7,274
3/26/2005	170.04	(1.96)	76	59	0.00	0.14	7,099	14,080	7,274
3/27/2005	170.04	(1.96)	76	52	0.49	0.25	7,014	13,912	6,924
3/28/2005	169.92	(2.08)	52	44	0.07	0.15	3,348	6,641	7,104
3/29/2005	169.87	(2.13)	71	44	0.00	0.08	204	405	204
3/30/2005	169.96	(2.04)	75	48	0.00	0.19	204	405	204
3/31/2005	170.03	(1.97)	81	64	0.00	0.17	204	405	204
Avg or Tot	169.91	(2.09)	67	45	2.35	5.01	4,835	297,297	

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

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

NR: No Reading

FZ: Gage Frozen

Toledo Bend Sampled on 3/7,8,9/2005

Lake Elev from USGS daily mean elevation

USGS 08025350 Toledo Bd Res nr Burkeville, TX

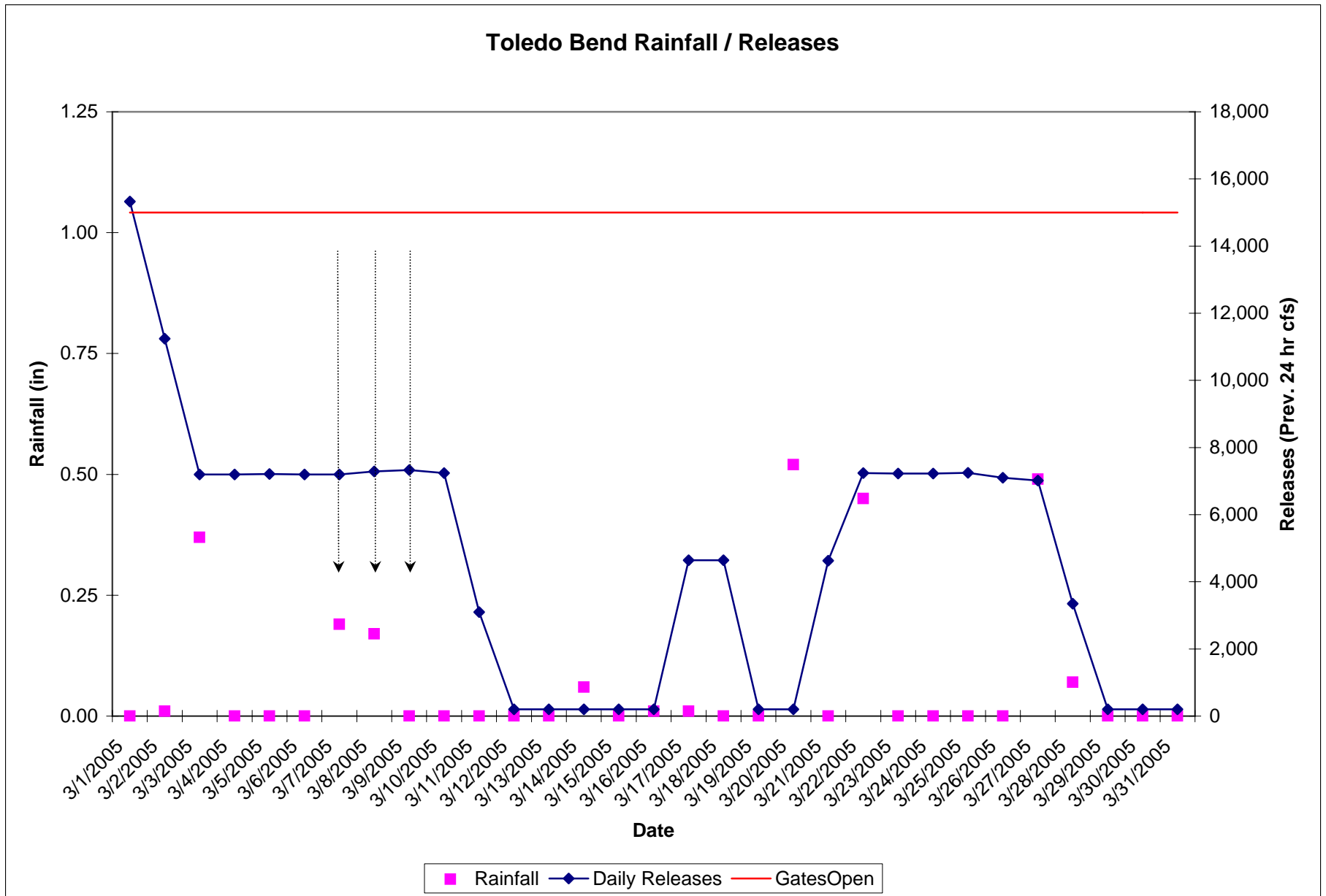
http://waterdata.usgs.gov/tx/nwis/dv/?site_no=08025350&agency_cd=USGS

Acquired 4/14/2005; provisional and subject to revision by USGS.

Other values measured by SRA-TX

SABINE RIVER AUTHORITY OF TEXAS

March 2005



Toledo Bend sampled on 3/7,8,9/2005

Flood gates open when flow greater than approximately 15,000 cfs

SABINE RIVER AUTHORITY OF TEXAS

Burkeville Weather and River Data

March 2005

Date	Rainfall	Gauge Height	GH - FS	Flow
3/1/2005	OUT	25.71	(12.29)	16,700
3/2/2005	OUT	24.74	(13.26)	14,900
3/3/2005	OUT	21.16	(16.84)	8,890
3/4/2005	OUT	20.80	(17.20)	8,360
3/5/2005	OUT	20.67	(17.33)	8,170
3/6/2005	OUT	20.59	(17.41)	8,060
3/7/2005	OUT	20.62	(17.38)	8,110
3/8/2005	OUT	20.80	(17.20)	8,360
3/9/2005	OUT	20.64	(17.36)	8,140
3/10/2005	OUT	20.47	(17.53)	7,900
3/11/2005	OUT	18.90	(19.10)	6,020
3/12/2005	OUT	13.62	(24.38)	1,120
3/13/2005	OUT	13.01	(24.99)	790
3/14/2005	OUT	12.86	(25.14)	717
3/15/2005	OUT	12.76	(25.24)	674
3/16/2005	OUT	12.71	(25.29)	653
3/17/2005	OUT	15.25	(22.75)	2,700
3/18/2005	OUT	19.49	(18.51)	6,640
3/19/2005	OUT	13.93	(24.07)	1,360
3/20/2005	OUT	13.09	(24.91)	827
3/21/2005	OUT	15.53	(22.47)	2,900
3/22/2005	OUT	20.53	(17.47)	7,990
3/23/2005	OUT	20.72	(17.28)	8,250
3/24/2005	OUT	20.53	(17.47)	7,980
3/25/2005	OUT	20.37	(17.63)	7,740
3/26/2005	OUT	20.31	(17.69)	7,660
3/27/2005	OUT	20.33	(17.67)	7,690
3/28/2005	OUT	19.06	(18.94)	6,200
3/29/2005	OUT	13.73	(24.27)	1,190
3/30/2005	OUT	13.01	(24.99)	786
3/31/2005	OUT	12.82	(25.18)	701
Avg or Tot	OUT	18.02	(19.98)	5,748

	Tot	Avg	Avg	Avg
Units	Inches	Feet	Feet	cfs

FS: Flood Stage = 38 feet

OUT: Gage Out

Lower Sabine Basin Sampled on 3/9/2005

Gauge Height and Flow from USGS daily mean Gage height and Discharge, respectively

USGS 08026000 Sabine Rv nr Burkeville, TX

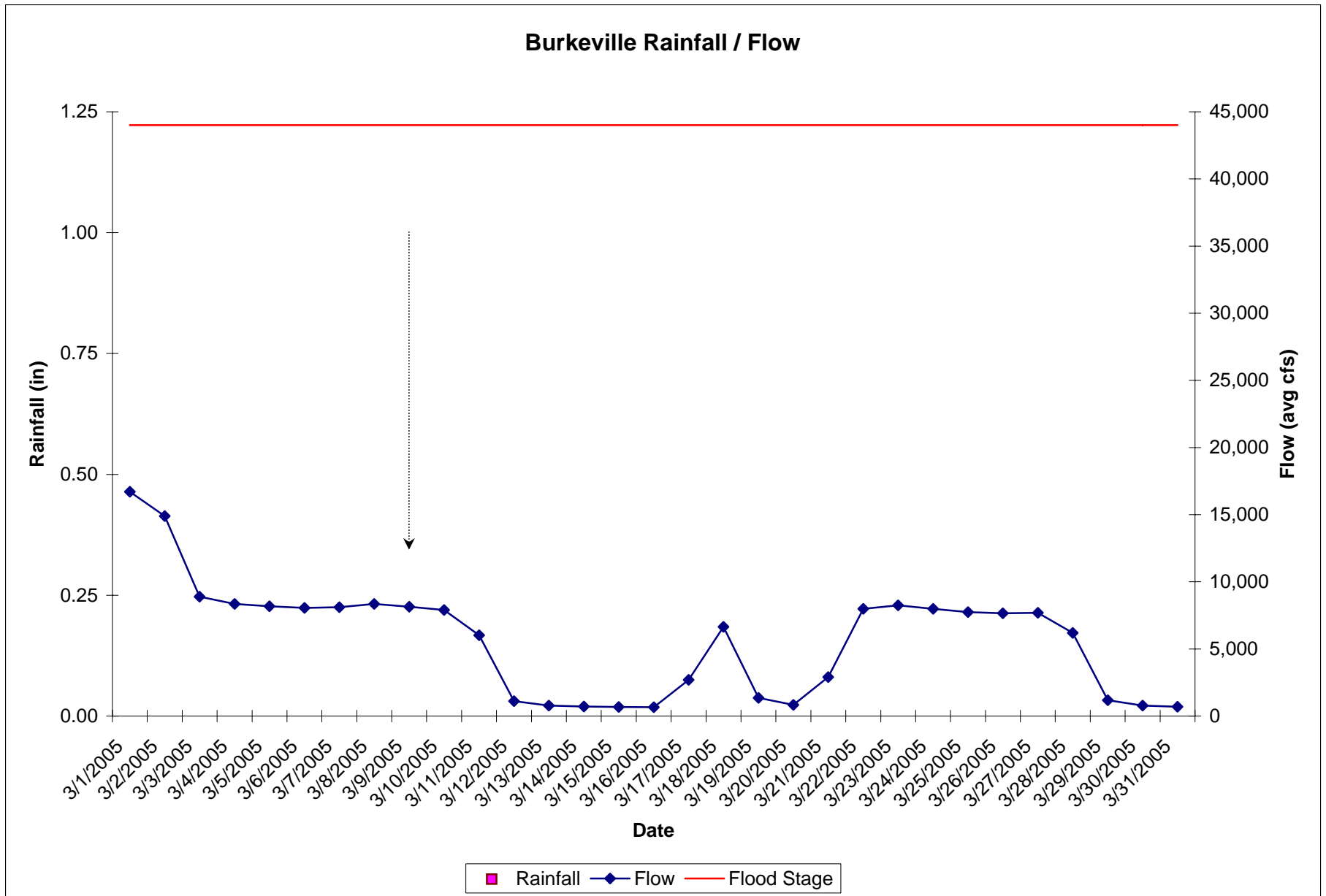
http://waterdata.usgs.gov/tx/nwis/dv/?site_no=08026000&agency_cd=USGS

Acquired 4/14/2005; provisional and subject to revision by USGS.

Other values measured by SRA-TX

SABINE RIVER AUTHORITY OF TEXAS

March 2005



Flood stage flow of 44,000 cfs calculated from flood stage gage height, 38 ft msl. (latest available rating curve; not USGS Web site)

SABINE RIVER AUTHORITY OF TEXAS

Bon Wier Weather and River Data

March 2005

Date	Gauge Height	GH - FS	Flow Avg	308 Rainfall
3/1/2005	26.52	(3.48)	18,100	OUT
3/2/2005	26.31	(3.69)	17,600	OUT
3/3/2005	24.61	(5.39)	14,300	OUT
3/4/2005	22.48	(7.52)	10,600	OUT
3/5/2005	21.93	(8.07)	9,730	OUT
3/6/2005	21.67	(8.33)	9,330	OUT
3/7/2005	21.57	(8.43)	9,170	OUT
3/8/2005	22.23	(7.77)	10,200	OUT
3/9/2005	22.28	(7.72)	10,300	OUT
3/10/2005	21.80	(8.20)	9,530	OUT
3/11/2005	21.44	(8.56)	8,990	OUT
3/12/2005	18.93	(11.07)	5,650	OUT
3/13/2005	15.71	(14.29)	2,280	OUT
3/14/2005	15.03	(14.97)	1,770	OUT
3/15/2005	14.79	(15.21)	1,620	OUT
3/16/2005	14.65	(15.35)	1,530	OUT
3/17/2005	14.58	(15.42)	1,480	OUT
3/18/2005	17.72	(12.28)	4,440	OUT
3/19/2005	19.12	(10.88)	5,840	OUT
3/20/2005	15.66	(14.34)	2,260	OUT
3/21/2005	15.36	(14.64)	2,000	OUT
3/22/2005	18.75	(11.25)	5,620	OUT
3/23/2005	22.33	(7.67)	10,300	OUT
3/24/2005	22.17	(7.83)	10,100	OUT
3/25/2005	21.56	(8.44)	9,160	OUT
3/26/2005	21.24	(8.76)	8,690	OUT
3/27/2005	21.18	(8.82)	8,590	OUT
3/28/2005	21.31	(8.69)	8,790	OUT
3/29/2005	19.15	(10.85)	5,910	OUT
3/30/2005	15.76	(14.24)	2,340	OUT
3/31/2005	14.95	(15.05)	1,720	OUT
Avg or Tot	19.77	(10.23)	7,353	OUT

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

OUT: Gage Out

Lower Sabine Basin Sampled on 3/9/2005

Gauge Height and Flow from USGS daily mean Gage height and Discharge, respectively

USGS 08028500 Sabine Rv nr Bon Wier, TX

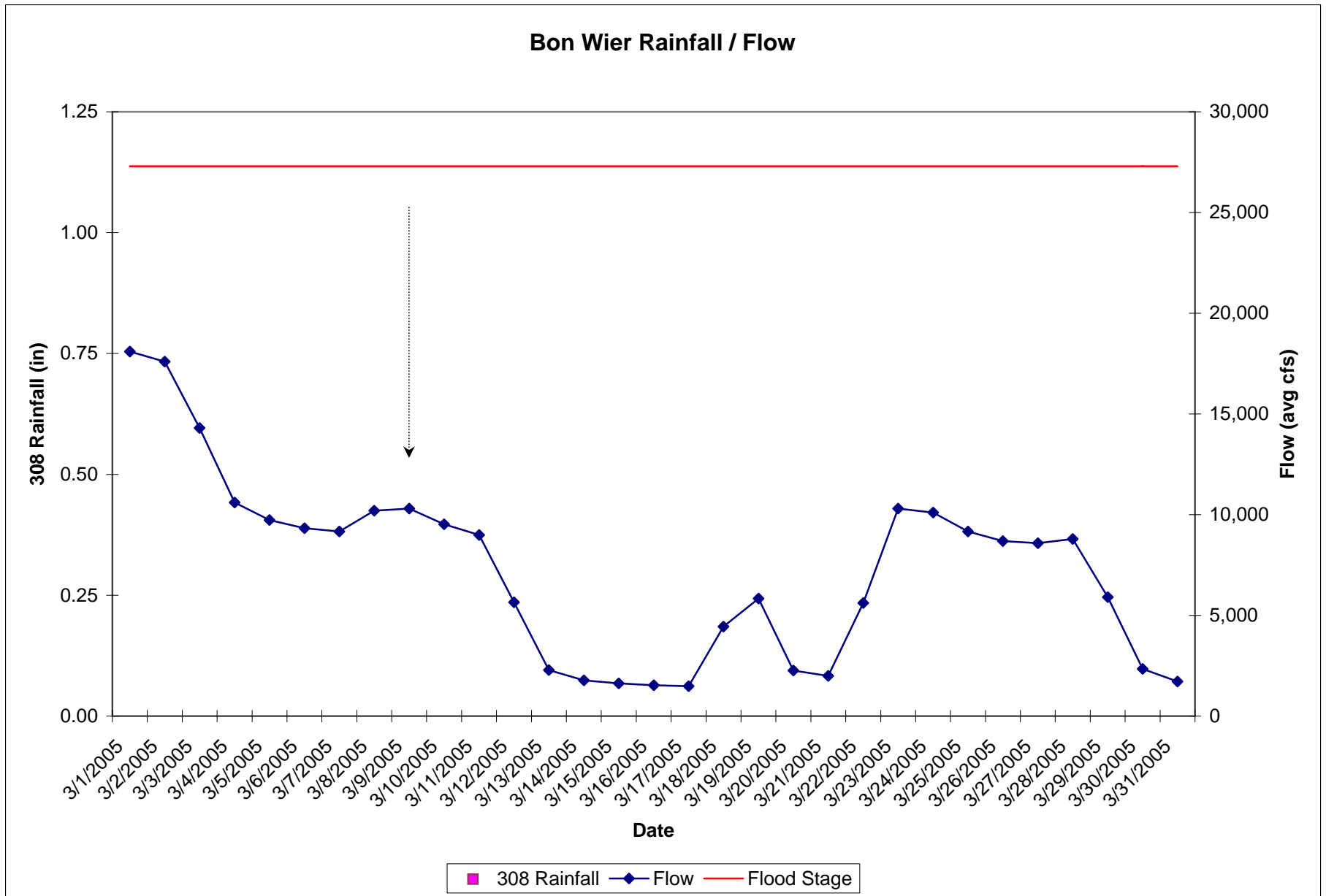
http://waterdata.usgs.gov/tx/nwis/dv/?site_no=08028500&agency_cd=USGS

Acquired 4/14/2005; provisional and subject to revision by USGS.

Other values measured by SRA-TX

SABINE RIVER AUTHORITY OF TEXAS

March 2005



Lower Sabine Basin sampled on 3/9/2005

Flood stage flow of 27,300 cfs calculated from flood stage gage height, 30 ft msl. (USGS Web site)

SABINE RIVER AUTHORITY OF TEXAS

Ruliff Weather and River Data

March 2005

Date	Gauge Height	GH - FS	Flow cfs	Flow acft	309 Rainfall
3/1/2005	24.09	0.09	18,800	37,289	OUT
3/2/2005	24.05	0.05	18,400	36,496	OUT
3/3/2005	24.01	0.01	17,900	35,504	OUT
3/4/2005	23.98	(0.02)	17,600	34,909	OUT
3/5/2005	23.94	(0.06)	17,200	34,116	OUT
3/6/2005	23.81	(0.19)	16,000	31,736	OUT
3/7/2005	23.61	(0.39)	14,200	28,165	OUT
3/8/2005	23.40	(0.60)	12,700	25,190	OUT
3/9/2005	23.22	(0.78)	11,700	23,207	OUT
3/10/2005	23.14	(0.86)	11,300	22,413	OUT
3/11/2005	23.13	(0.87)	11,200	22,215	OUT
3/12/2005	23.09	(0.91)	11,000	21,818	OUT
3/13/2005	22.96	(1.04)	10,400	20,628	OUT
3/14/2005	22.32	(1.68)	8,460	16,780	OUT
3/15/2005	20.86	(3.14)	5,610	11,127	OUT
3/16/2005	19.38	(4.62)	3,710	7,359	OUT
3/17/2005	18.59	(5.41)	3,050	6,050	OUT
3/18/2005	18.22	(5.78)	2,790	5,534	OUT
3/19/2005	18.93	(5.07)	3,350	6,645	OUT
3/20/2005	20.70	(3.30)	5,350	10,612	OUT
3/21/2005	20.68	(3.32)	5,320	10,552	OUT
3/22/2005	19.66	(4.34)	3,980	7,894	OUT
3/23/2005	19.90	(4.10)	4,280	8,489	OUT
3/24/2005	21.35	(2.65)	6,390	12,674	OUT
3/25/2005	22.22	(1.78)	8,140	16,145	OUT
3/26/2005	22.62	(1.38)	9,250	18,347	OUT
3/27/2005	22.76	(1.24)	9,720	19,279	OUT
3/28/2005	22.74	(1.26)	9,630	19,101	OUT
3/29/2005	22.67	(1.33)	9,410	18,664	OUT
3/30/2005	22.60	(1.40)	9,170	18,188	OUT
3/31/2005	22.02	(1.98)	7,710	15,293	OUT
Avg or Tot	22.09	(1.91)	9,797	602,420	OUT

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

OUT: Gage Out

Lower Sabine Basin Sampled on 3/9/2005

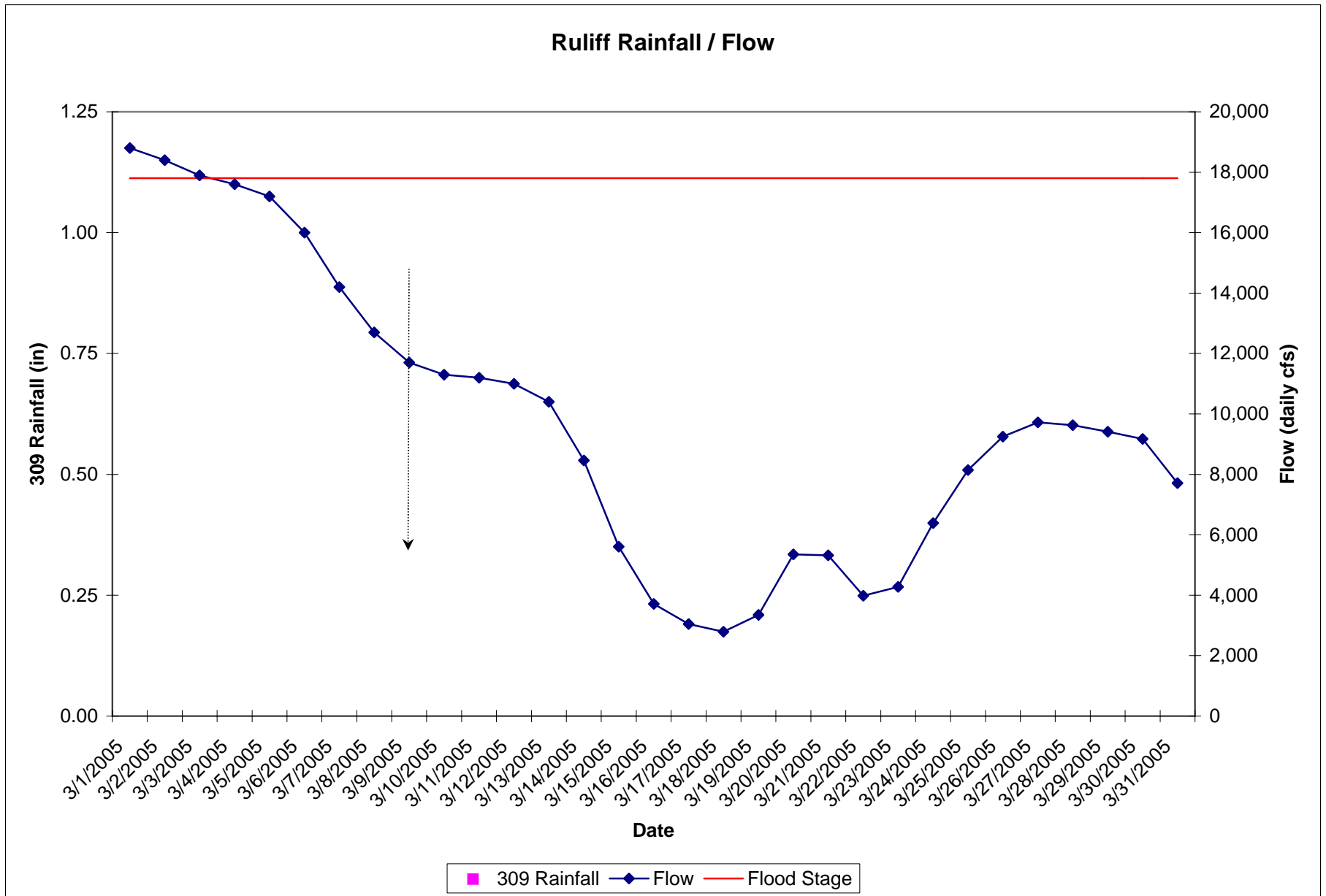
Gauge Height and Flow from USGS daily mean Gage height and Discharge, respectively
 USGS 08030500 Sabine Rv nr Ruliff, TX
http://waterdata.usgs.gov/tx/nwis/dv/?site_no=08030500&agency_cd=USGS
 Acquired 4/14/2005; provisional and subject to revision by USGS.

Other values measured by SRA-TX

Flow acft = Flow cfs * 1.98347

SABINE RIVER AUTHORITY OF TEXAS

March 2005



Lower Sabine Basin sampled on 3/9/2005

Flood stage flow of 17,800 cfs calculated from flood stage gage height, 24 ft msl. (USGS Web site)

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FY 2005 Fixed Monitoring Stations

Tidal Sabine Basin

SW	Segment	Station	Location
1.05	0501	15653 (ICW1)	INTERCOASTAL WATERWAY AT PERRY RIDGE
1.01	0501	15654 (BB1)	BLACK BAYOU IN CAMERON PARISH
1.00	0501	10395 (SR1)	SABINE RIVER 12.00 KM UPSTREAM OF IH 10
1.00	0501	10394 (SRT2)	SABINE RIVER AT IH 10
1.00	0501	18056 (SRT1C)	OLD HWY 90
1.00	0501	18055 (SRT1B)	SABINE RIVER AT CHANNEL LIGHT 20
1.00	0501	10393 (SRT1A)	SABINE RIVER AT CHANNEL LIGHT 13
1.00	0501	10391 (SRT1)	SABINE RIVER AT CHANNEL CAN 3

SABINE RIVER AUTHORITY OF TEXAS

Tidal Report

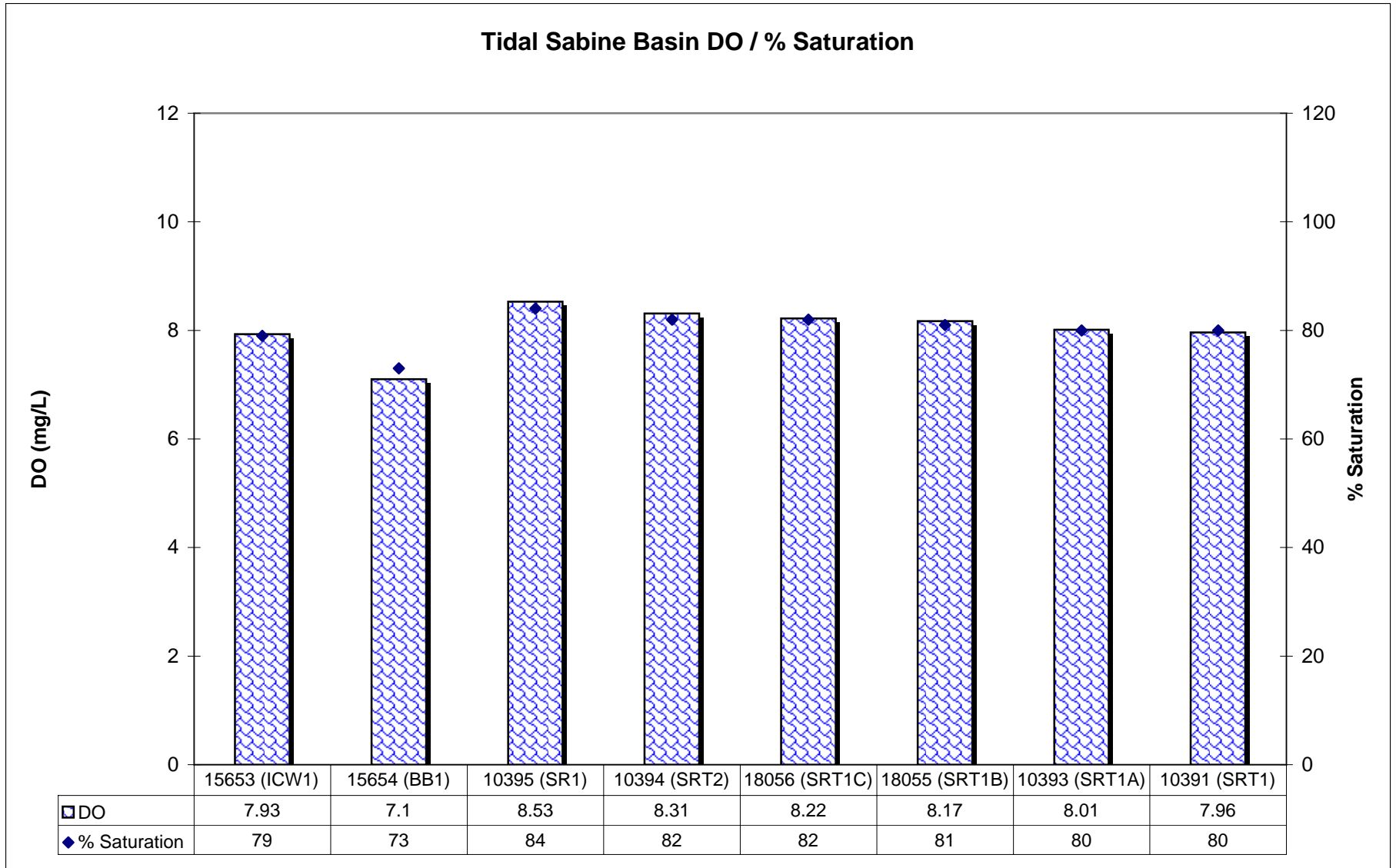
March 2005

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	<i>E. coli</i> mpn/100ml 31699	<i>Enterococcus</i> mpn/100ml 31701	Chlorophyll a µg/L 32211	Nitrite mg/L 00615	Nitrate mg/L 00620	Ortho- Phosphate 00671	TOC mg/L 00680	Total Alkalinity 00410	Total Hardness 00900
3/10/05 10:00 AM	1.05	15653 (ICW1)	15.5	6.82	7.93	79	127	< 1	0.53	18.3	20	3	*	< 0.02	0.06	< 0.04	8	22	36
3/10/05 10:55 AM	1.01	15654 (BB1)	16.3	6.94	7.1	73	1662	< 1	0.44	12.5	14	14	*	< 0.02	0.07	< 0.04	9	31	168
3/10/05 8:55 AM	1.00	10395 (SR1)	14.4	6.89	8.53	84	130	< 1	0.38	20	50	*	*	< 0.02	0.07	< 0.04	7	23	32
3/10/05 9:20 AM	1.00	10394 (SRT2)	14.8	6.82	8.31	82	122	< 1	0.42	19.8	30	6	*	< 0.02	0.07	< 0.04	*	23	36
3/10/05 9:45 AM	1.00	18056 (SRT1C)	15.1	6.85	8.22	82	124	< 1	0.37	19.4	29	12	*	< 0.02	0.09	< 0.04	7	22	36
3/10/05 10:20 AM	1.00	18055 (SRT1B)	15.4	6.81	8.17	81	124	< 1	0.44	18.9	36	15	*	< 0.02	0.06	< 0.04	7	23	40
3/10/05 10:35 AM	1.00	10393 (SRT1A)	15.2	6.79	8.01	80	150	< 1	0.39	17.8	22	14	*	< 0.02	0.06	< 0.04	7	22	40
3/10/05 11:10 AM	1.00	10391 (SRT1)	15.3	6.78	7.96	80	138	< 1	0.54	21	36	*	*	< 0.02	0.07	< 0.04	8	23	36

*: Not sampled on this run

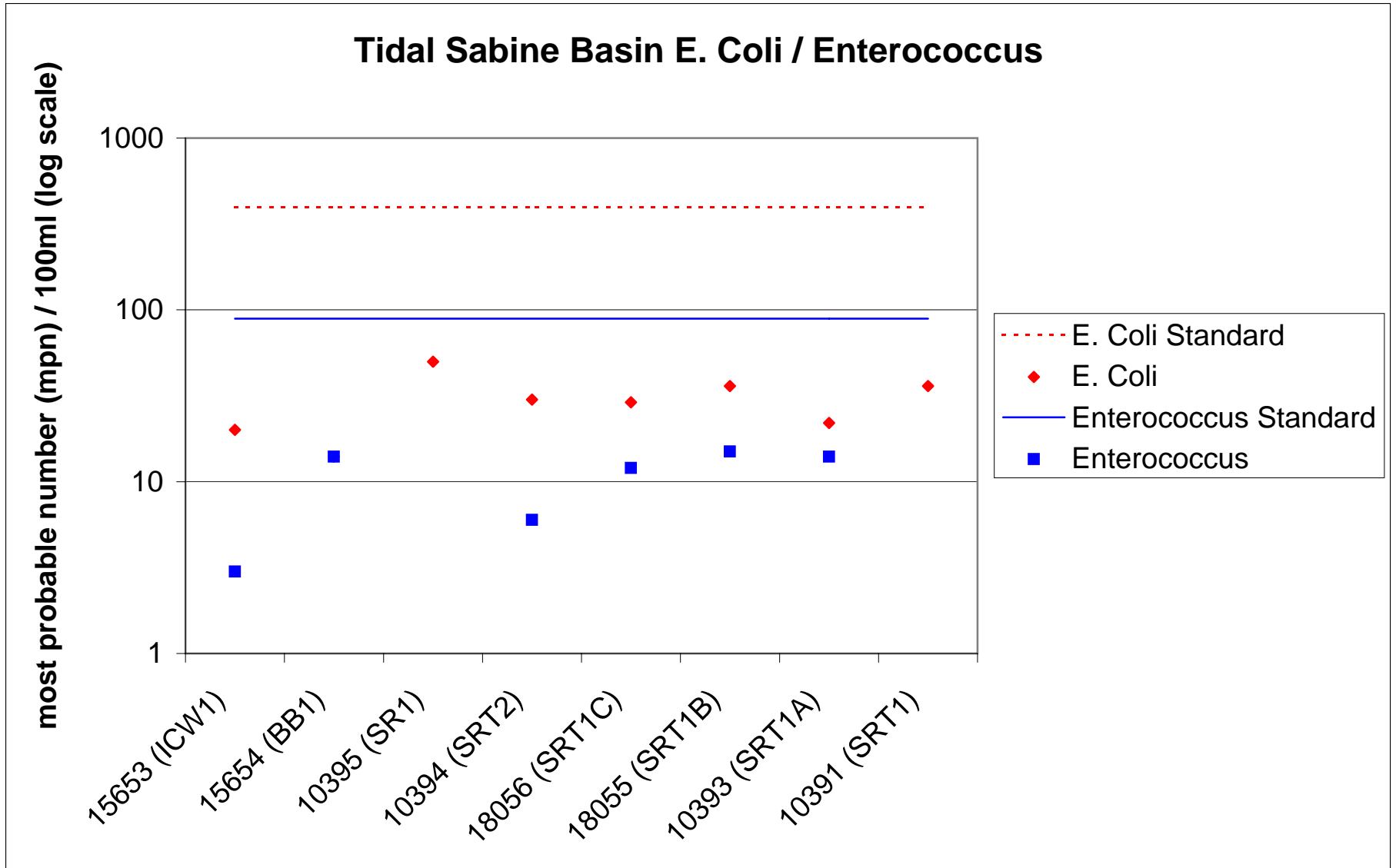
SABINE RIVER AUTHORITY OF TEXAS

March 2005



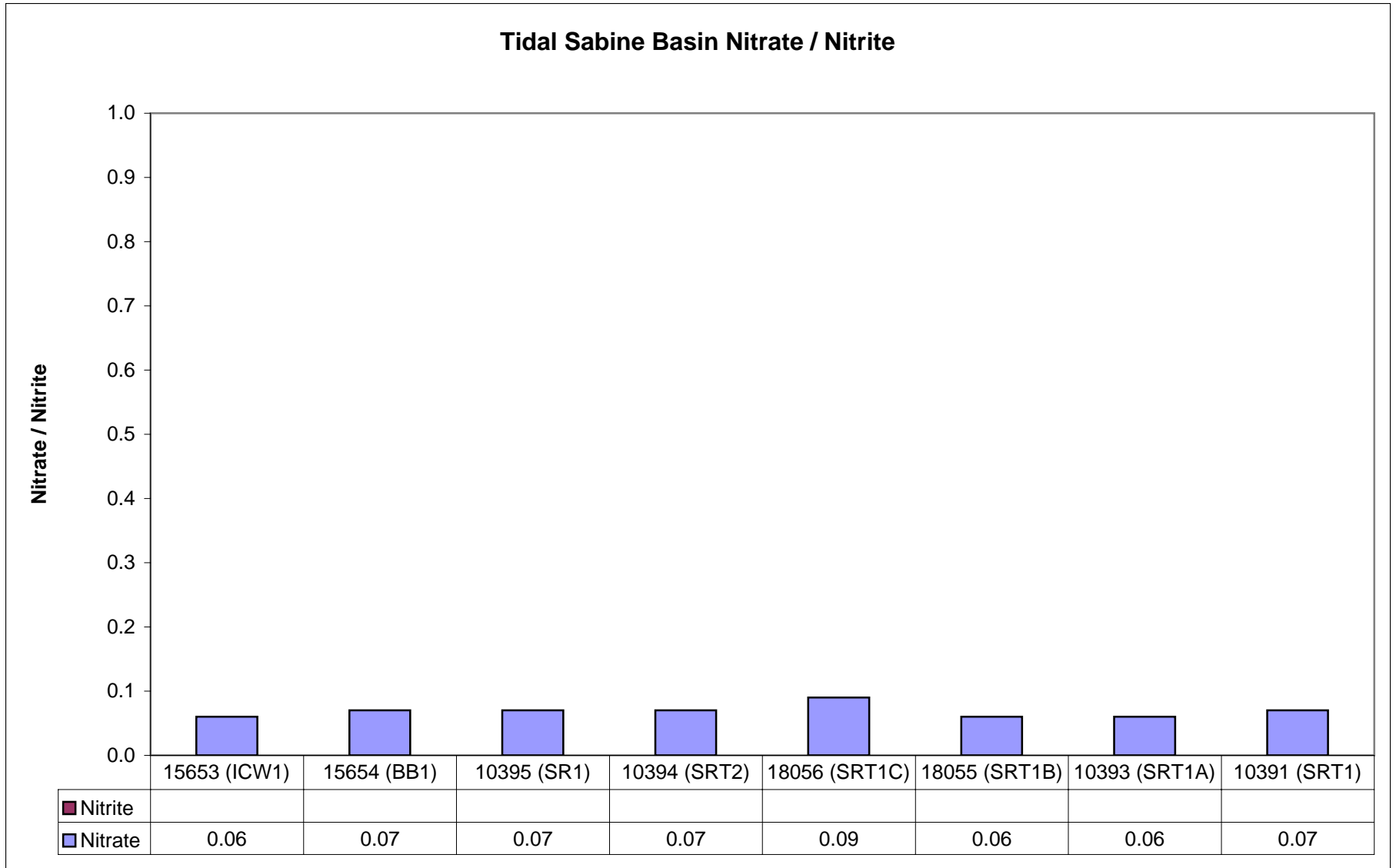
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March 2005



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March 2005



Stations without values below detection limit (< 0.02 mg/L) on this run (see page 38)

SABINE RIVER AUTHORITY OF TEXAS

Tidal Profiles

March 2005

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
3/10/05 10:00 AM	1.05	15653 (ICW1)	0.3	15.5	6.82	7.93	79	127	< 1
			2.8	15.2	6.81	7.75	77	127	< 1
			5.8	15.2	6.89	7.77	77	127	< 1
3/10/05 10:55 AM	1.01	15654 (BB1)	0.3	16.3	6.94	7.1	73	1662	< 1
			3.3	16.1	6.94	7.05	72	1664	< 1
			6.7	16.2	7.01	7.11	73	1675	< 1
3/10/05 9:20 AM	1.00	10394 (SRT2)	0.3	14.8	6.82	8.31	82	122	< 1
			7.5	14.8	6.83	8.26	82	122	< 1
3/10/05 9:45 AM	1.00	18056 (SRT1C)	0.3	15.1	6.85	8.22	82	124	< 1
			8.5	15.1	6.85	8	80	124	< 1
3/10/05 10:20 AM	1.00	18055 (SRT1B)	0.3	15.4	6.81	8.17	81	124	< 1
			4.9	15.1	6.82	8.13	81	124	< 1
			10.4	15.1	6.82	8.07	80	124	< 1
3/10/05 10:35 AM	1.00	10393 (SRT1A)	0.3	15.2	6.79	8.01	80	150	< 1
			4.6	15.1	6.75	8	80	149	< 1
			9.6	15.1	6.77	7.87	78	149	< 1
3/10/05 11:10 AM	1.00	10391 (SRT1)	0.3	15.3	6.78	7.96	80	138	< 1
			4.7	15.2	6.75	7.89	79	139	< 1
			9.7	15.2	6.8	7.8	78	142	< 1

SABINE RIVER AUTHORITY OF TEXAS

Orange Weather and River Data

March 2005

Date	310 (Orange) Rainfall	Gauge Height	GH - FS	Max Temp	Min Temp	Cur Temp	293 (GCD) Rainfall
3/1/2005	OUT	OUT	OUT	66	42	42	0.00
3/2/2005	OUT	OUT	OUT	64	42	49	0.00
3/3/2005	OUT	OUT	OUT	52	43	47	0.30
3/4/2005	OUT	OUT	OUT	60	43	44	0.00
3/5/2005	OUT	OUT	OUT	67	35	52	0.00
3/6/2005	OUT	OUT	OUT	69	52	58	0.00
3/7/2005	OUT	OUT	OUT	70	52	65	0.02
3/8/2005	OUT	OUT	OUT	70	51	51	0.25
3/9/2005	OUT	OUT	OUT	66	49	50	0.00
3/10/2005	OUT	OUT	OUT	70	40	40	0.00
3/11/2005	OUT	OUT	OUT	71	40	54	0.00
3/12/2005	OUT	OUT	OUT	73	44	45	0.00
3/13/2005	OUT	OUT	OUT	79	44	67	0.00
3/14/2005	OUT	OUT	OUT	75	47	48	0.00
3/15/2005	OUT	OUT	OUT	67	48	51	0.00
3/16/2005	OUT	OUT	OUT	55	45	45	0.64
3/17/2005	OUT	OUT	OUT	49	40	41	0.02
3/18/2005	OUT	OUT	OUT	62	38	39	0.00
3/19/2005	OUT	OUT	OUT	66	39	62	0.00
3/20/2005	OUT	OUT	OUT	78	58	59	0.30
3/21/2005	OUT	OUT	OUT	76	58	59	0.00
3/22/2005	OUT	OUT	OUT	74	59	66	0.70
3/23/2005	OUT	OUT	OUT	80	49	49	0.05
3/24/2005	OUT	OUT	OUT	74	48	51	0.00
3/25/2005	OUT	OUT	OUT	76	50	65	0.00
3/26/2005	OUT	OUT	OUT	82	63	63	0.00
3/27/2005	OUT	OUT	OUT	75	53	54	0.10
3/28/2005	OUT	OUT	OUT	55	42	42	0.04
3/29/2005	OUT	OUT	OUT	74	42	51	0.00
3/30/2005	OUT	OUT	OUT	73	50	67	0.00
3/31/2005	OUT	OUT	OUT	77	66	67	0.00
Avg or Tot	OUT	OUT	OUT	69	47	53	2.42

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

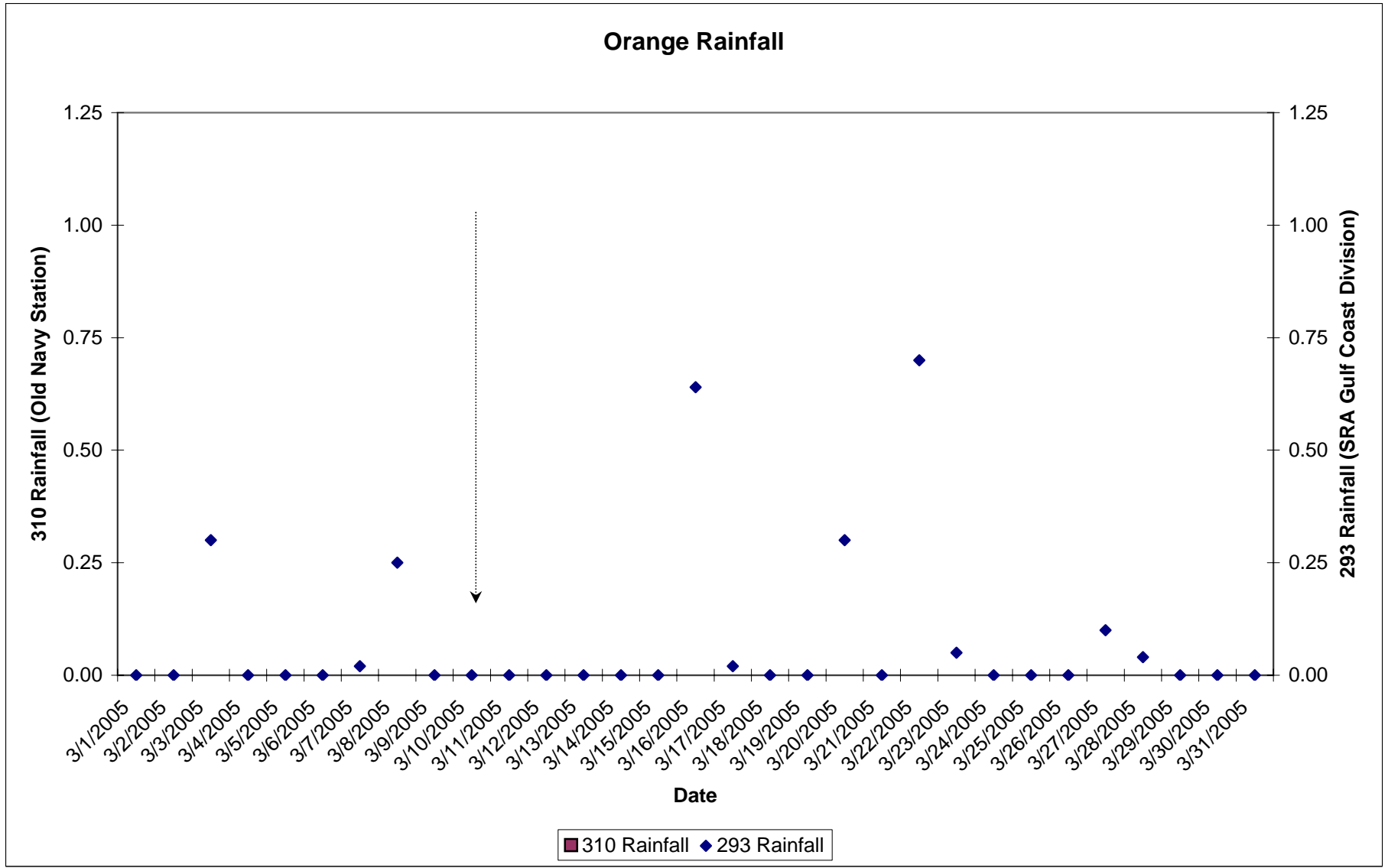
OUT: Gage Out

Tidal Sabine Basin Sampled on 3/10/2005

Values measured by SRA-TX

SABINE RIVER AUTHORITY OF TEXAS

March 2005



Tidal Sabine Basin Sampled on 3/10/2005