
SABINE RIVER AUTHORITY OF TEXAS

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

This is the Sabine River Authority Water Quality Report for July 2005. Water quality sampling was performed July 11th through July 14th. Recent weather (previous seven days) in the Sabine River Basin was warm, with daytime highs from the mid 80s to the upper 90s at Lake Tawakoni and at Lake Fork. Toledo Bend Reservoir and Orange had daytime highs from the mid 80s to the upper 90s. Lows ranged from the low 70s to the mid 70s at Lake Tawakoni and at Lake Fork. Toledo Bend and Orange had lows ranging from the upper 60s to the mid 70s. The waters of Lake Tawakoni and Lake Fork were thermally stratified. During the 28 days prior to the sample run, the Upper Basin received 0.93 and 1.63 inches of rainfall as recorded at Lake Tawakoni and at Lake Fork, respectively. Lake Tawakoni and Lake Fork received 0.34 and 0.73 inches of rainfall the week preceding the sample run. Toledo Bend and Orange received 3.53 and 3.22 inches of precipitation 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 401.66 feet msl with 64 cfs releases and the level of Lake Tawakoni was recorded at 434.76 feet msl with 6 cfs releases at the time of sampling. Stations LF2, LF3, LT23A and LT23C exceeded Stream Standards numeric criteria for pH while exceeding 100 percent saturation for dissolved oxygen. Station SR19 also exceeded 100 percent saturation for dissolved oxygen. Stations LT23C, LT23D, LT23A, LF3, LF4, LF2, SR22 and SR19 exceeded the recommended screening criteria for chlorophyll *a*. High chlorophyll *a* levels in conjunction with dissolved oxygen saturation values exceeding 100% often indicate algal bloom conditions. Station SR16 fell below the Stream Standards numeric criteria for dissolved oxygen and Station SR14 exceeded the Stream Standards numeric criteria for *E. coli*.

LOWER SABINE BASIN INCLUDING TOLEDO BEND TO MORGAN BLUFF

The July monthly sampling results were indicative of water of high quality at most sites. The area received 1.5 inches of rain during the week of sampling. The level of Toledo Bend Reservoir was recorded at 167.58 feet msl with 204 cfs discharge at the time of sampling. Most reservoir stations were stratified with dissolved oxygen and pH differences throughout the water column. No anoxic conditions were found. Stations TB8, TB7A, TB6R, TB6K and TB6LN had elevated dissolved oxygen percent saturation. Stations TB6R, TB6J, and TB6K had pH values that were above the Stream Standards numeric criteria. Several of the stations with elevated pH readings also had over 100% saturation of dissolved oxygen at the surface. These factors together potentially indicate an algal bloom on the reservoir. Stations TB6R and SR2 also displayed a chlorophyll *a* result above the recommended screening criteria.

TIDAL SECTION OF THE SABINE BASIN BELOW MORGAN BLUFF

Most sites sampled in the tidal portion of the Sabine Basin had values consistent with water of high quality. Tidal stations received just over 0.3 inches of rainfall the week prior to sampling with more significant rains just beyond that timeframe. All stations in this section of the Basin showed some stratification, but no anoxic conditions were found. Surface salinities were found at Stations ICW1, BB1, SRT1A, SRT1B and SRT1. The largest salinity value, 14 ppt, was found at Station SRT1C at a depth of 11.5 meters. Elevated bacteria levels were found at stations BB1 and SRT1C.

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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Monthly Water Quality Report

July 2005

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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

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Upper Sabine Basin Report

July 2005

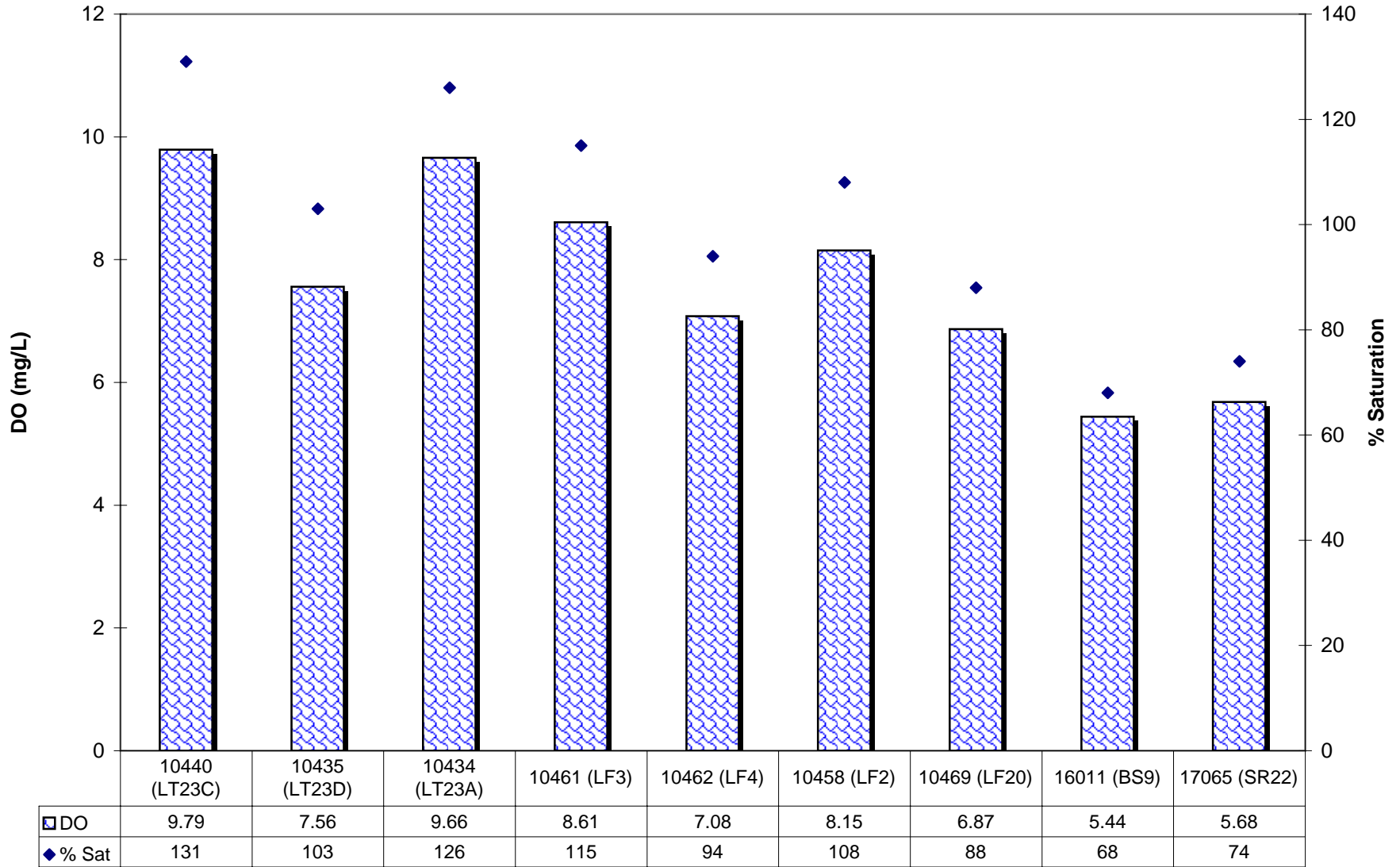
Date	SW ID	Station	Temperature °C 00010	pH Units 00400	DO mg/L 00300	% Saturation 00301	Conductivity µS/cm 00094	Salinity ppt 00480	Secchi Meters 00078	Turbidity NTU 82079	E. coli mpn/100ml 31699	Chlorophyll a µg/L 32211	Nitrite mg/L 00615	Nitrate mg/L 00620	Ortho- Phosphate 00671	TOC mg/L 00680	Total Alkalinity 00410	Total Hardness 00900	Chloride mg/L 00940	Sulfate mg/L 00945
7/12/05 12:30 PM	7.00	10440 (LT23C)	30.2	9.16	9.79	131	182	*	0.41	13.5	< 1	65	< 0.02	< 0.02	< 0.04	7	70	64	< 10	10
7/12/05 11:20 AM	7.00	10435 (LT23D)	30.5	8.94	7.56	103	181	*	0.47	9.67	1	65	< 0.02	< 0.02	0.04	8	70	64	< 10	< 10
7/12/05 10:05 AM	7.00	10434 (LT23A)	28.9	9.04	9.66	126	197	*	*	4.02	< 1	44	< 0.02	< 0.02	< 0.04	7	80	72	< 10	10
7/12/05 8:41 AM	6.12	10461 (LF3)	29.2	9.31	8.61	115	190	*	0.75	7.59	3	59	< 0.02	< 0.02	< 0.04	8	40	48	18	19
7/12/05 9:07 AM	6.12	10462 (LF4)	29.4	8.78	7.08	94	184	*	*	3.77	14	30	< 0.02	< 0.02	< 0.04	8	30	44	17	21
7/12/05 7:55 AM	6.12	10458 (LF2)	29	9.06	8.15	108	185	*	1.1	3.77	< 1	32	< 0.02	< 0.02	< 0.04	7	30	48	17	20
7/12/05 2:55 PM	6.10	10469 (LF20)	27.3	7.43	6.87	88	185	*	0.31	34.2	31	*	< 0.02	< 0.02	< 0.04	6	30	48	17	20
7/13/05 6:20 AM	6.02	16011 (BS9)	25.9	6.86	5.44	68	108	*	0.83	9.78	117	*	< 0.02	0.17	< 0.04	4	18	24	13	< 10
7/12/05 1:44 PM	6.00	17065 (SR22)	28.3	7.62	5.68	74	291	*	0.31	34.5	17	23	< 0.02	< 0.02	0.08	6	90	100	18	23
7/12/05 2:25 PM	6.00	10430 (SR21)	28.2	7.56	5.7	75	459	*	0.28	39.7	22	*	< 0.02	< 0.02	0.05	7	100	128	54	41
7/12/05 3:19 PM	6.00	10429 (SR19)	30	8	8.33	112	250	*	0.3	29.5	33	24	< 0.02	< 0.02	< 0.04	6	20	68	32	26
7/13/05 6:58 AM	5.00	10428 (SR17)	29.3	7.44	6.47	86	99	*	0.4	33	9	*	< 0.02	< 0.02	< 0.04	5	40	68	33	26
7/13/05 7:30 AM	5.00	10427 (SR16)	29.4	7.14	4.86	65	157	*	0.23	40	26	*	< 0.02	0.06	< 0.04	6	40	64	33	22
7/13/05 8:04 AM	5.00	10426 (SR15)	29.3	7.18	5.73	76	171	*	0.28	46	36	*	< 0.02	0.04	< 0.04	6	40	64	35	23
7/13/05 8:39 AM	5.00	10423 (SR14)	28.5	7.23	5.78	76	359	*	0.31	34.7	1300	*	0.02	0.2	0.22	7	50	68	48	32
7/13/05 10:00 AM	5.00	13628 (SR11)	30.1	7.91	6.21	84	595	*	0.57	13.9	3	*	0.03	1.02	< 0.04	8	80	108	88	62
7/13/05 10:40 AM	5.00	10415 (SR10)	31.3	7.83	6.9	95	398	*	0.38	17.7	< 1	*	0.02	0.19	< 0.04	7	70	84	50	38

*: Not sampled on this run

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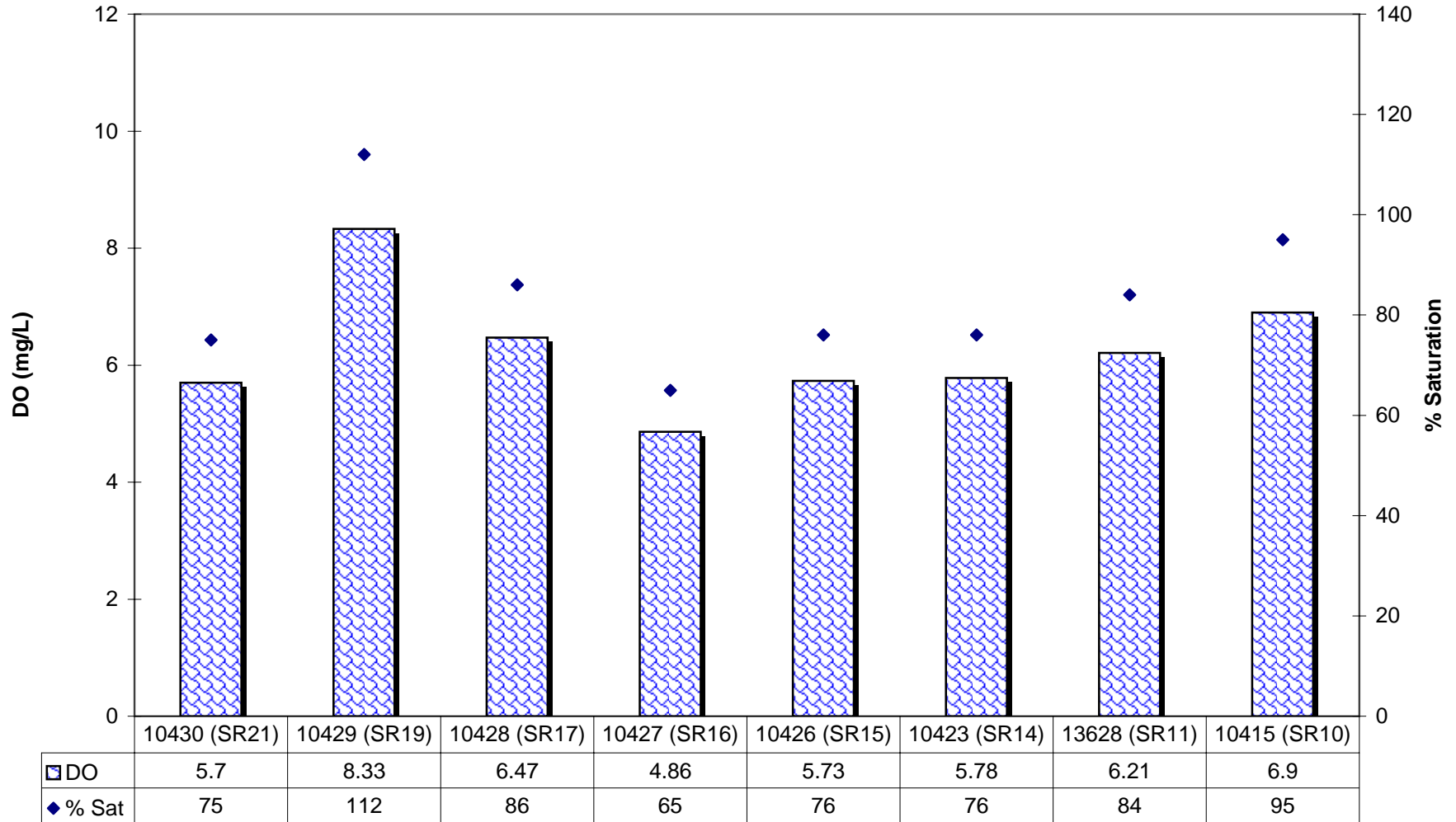
Upper Sabine Basin DO / % Saturation (1 of 2)



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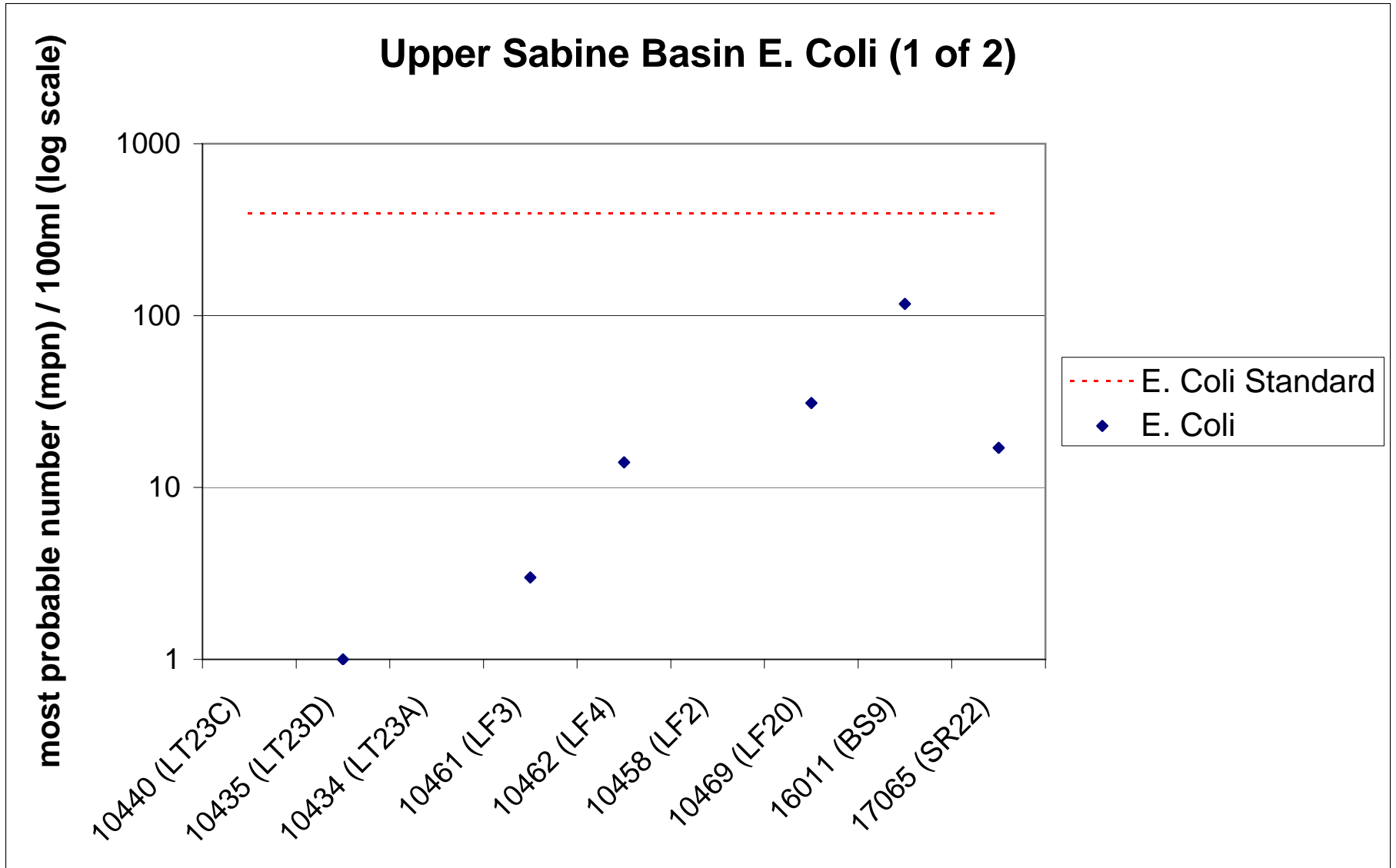
July 2005

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



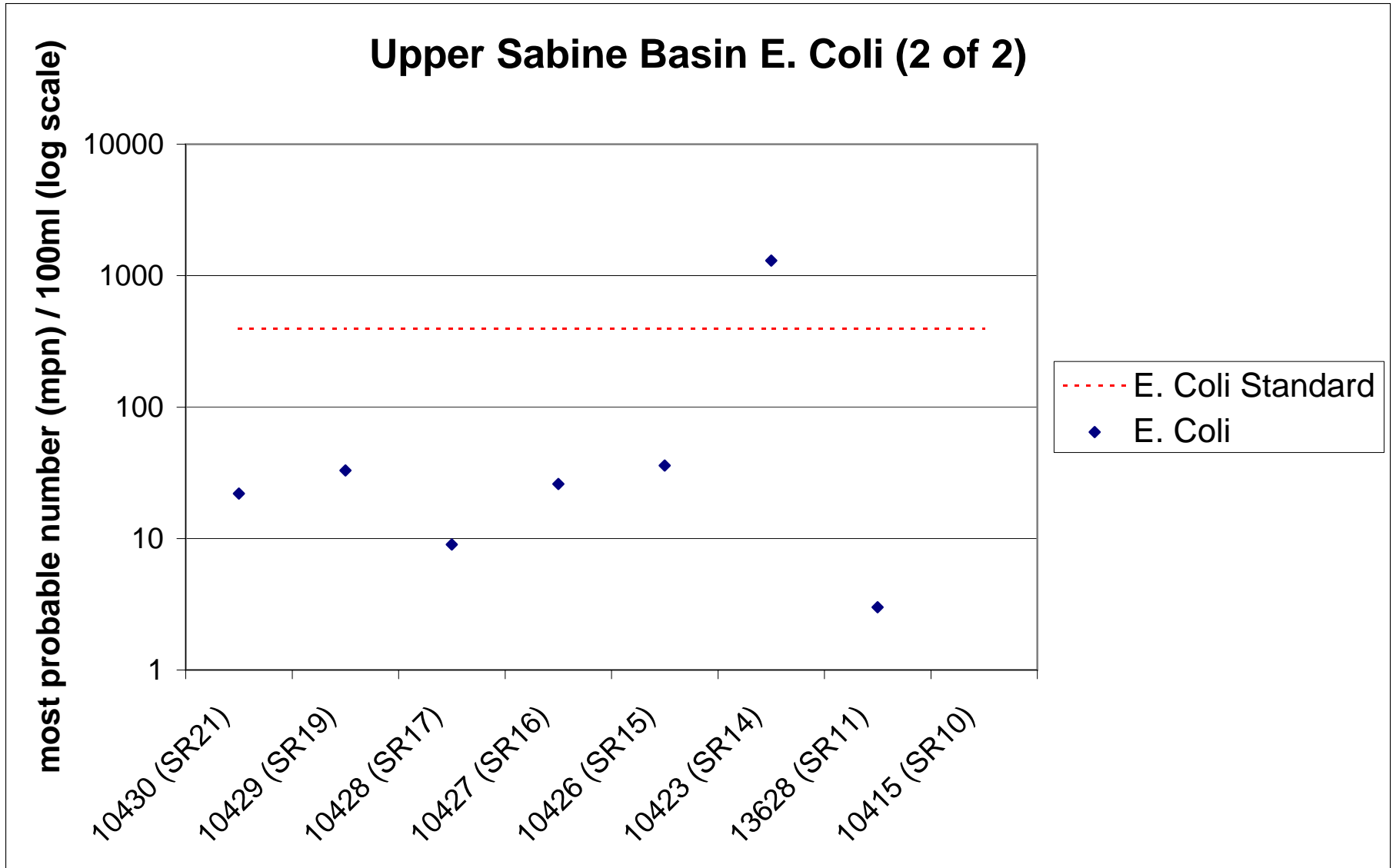
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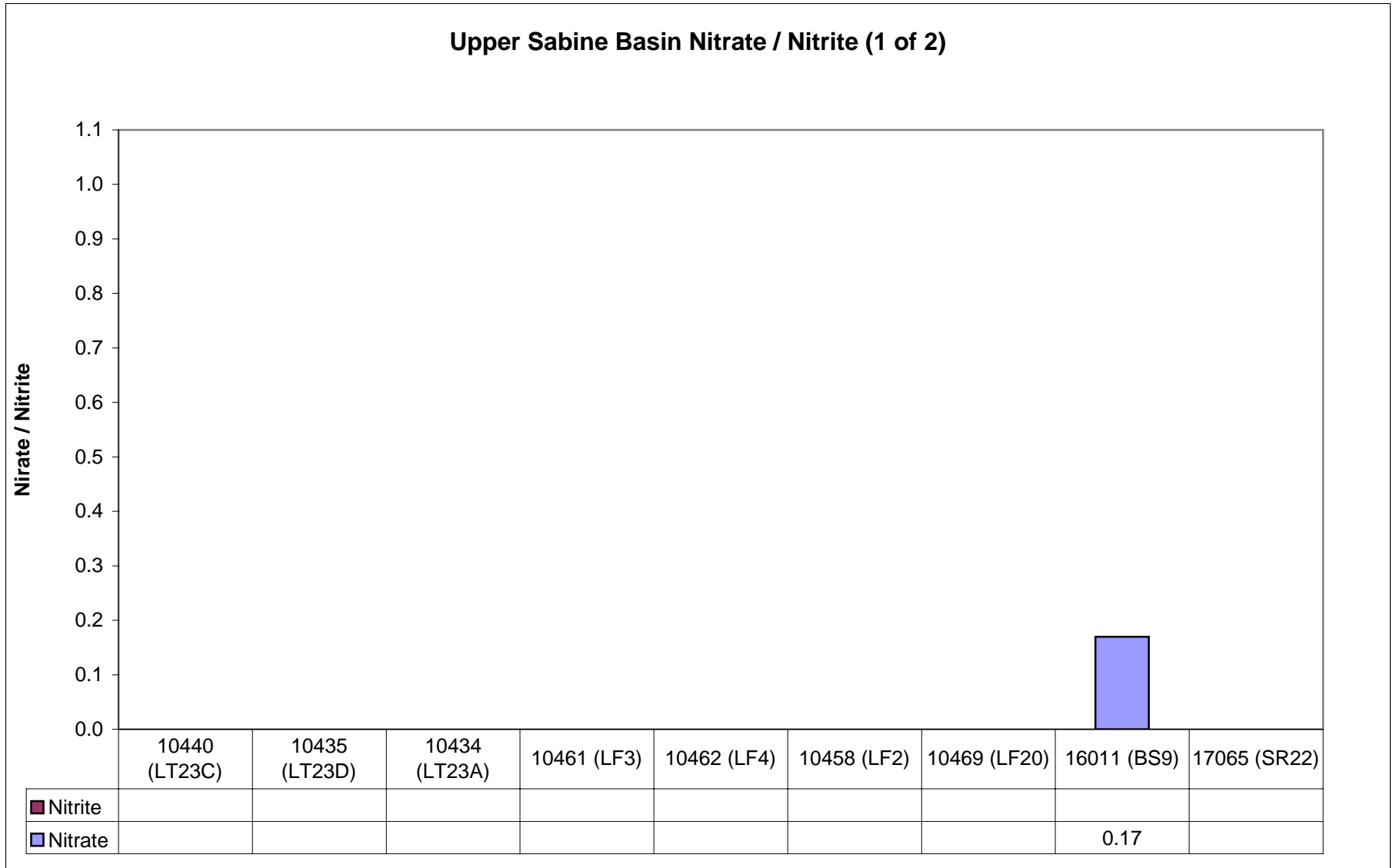
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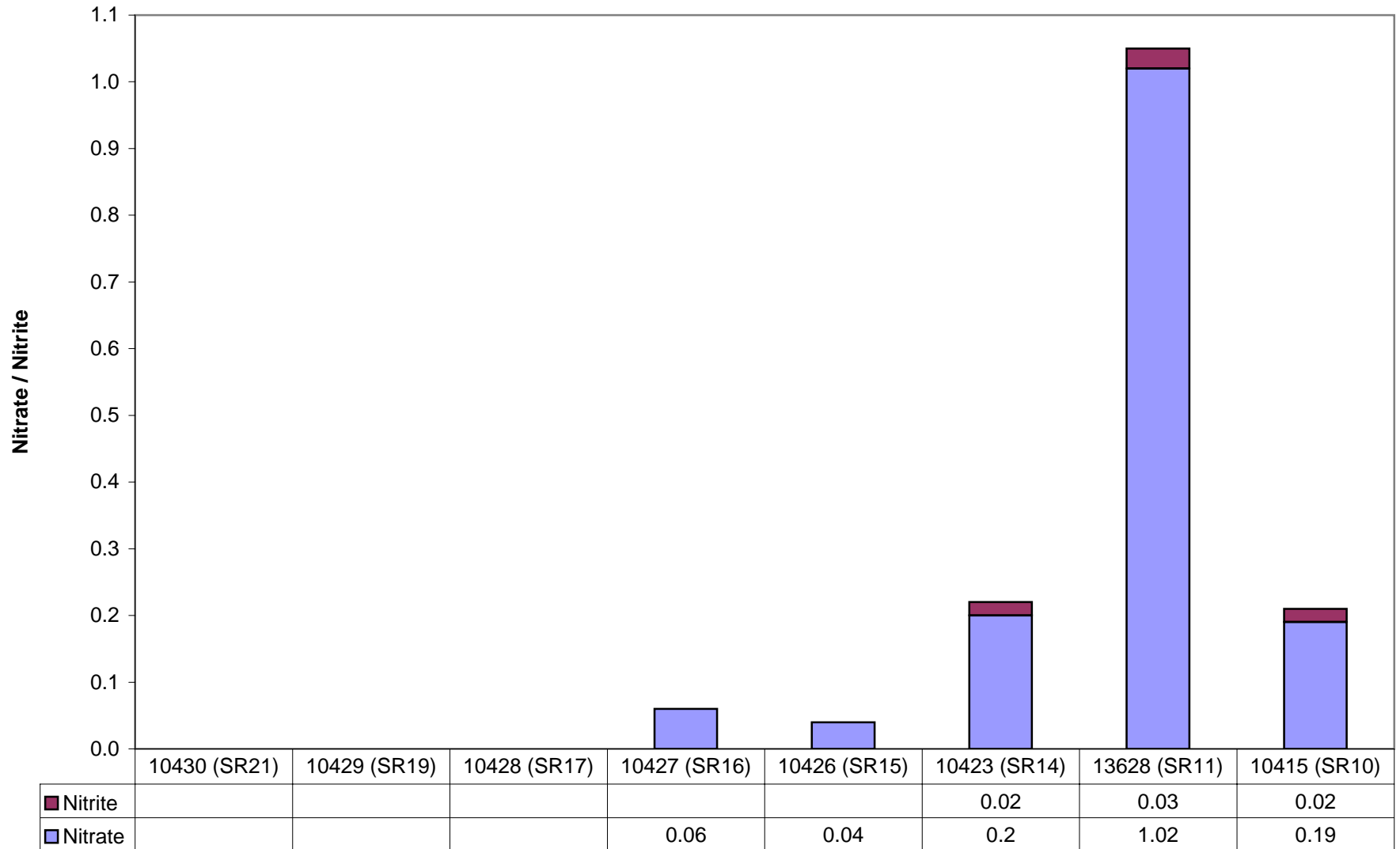


Stations without values below detection limit (< 0.02 mg/L) on this run (see page 2)

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Upper Sabine Basin Nitrate / Nitrite (2 of 2)



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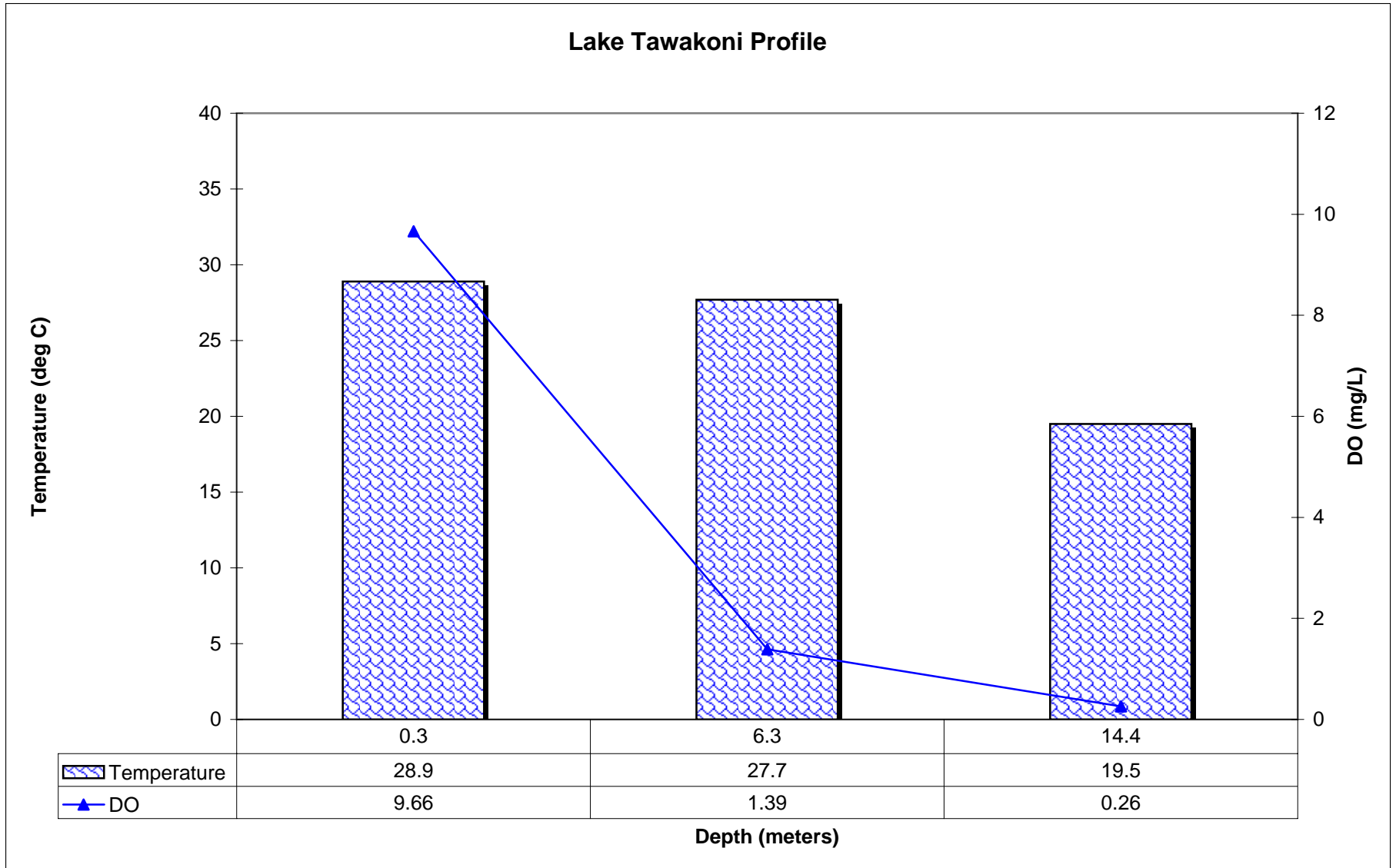
Upper Basin Profiles

July 2005

Date	SW ID	Station	Depth Meters	Temperature °C 00010	pH Units 00400	DO mg/L 00300	% Saturation 00301	Conductivity μS/cm 00094
7/12/05 12:30 PM	7.00	10440 (LT23C)	0.3	30.2	9.16	9.79	131	182
			1.4	30.1	9.2	9.85	133	183
			3.1	29.3	8.91	7.01	91	188
7/12/05 11:20 AM	7.00	10435 (LT23D)	0.3	30.5	8.94	7.56	103	181
			2.6	29.8	8.3	3.59	49	185
			5.2	29.4	7.91	1.62	21	209
7/12/05 10:05 AM	7.00	10434 (LT23A)	0.3	28.9	9.04	9.66	126	197
			6.3	27.7	7.45	1.39	18	211
			14.4	19.5	6.96	0.26	3	247
7/12/05 8:41 AM	6.12	10461 (LF3)	0.3	29.2	9.31	8.61	115	190
			5.2	27.8	7.26	2.83	37	186
			9.1	23.3	7.02	0.29	3	216
7/12/05 9:07 AM	6.12	10462 (LF4)	0.3	29.4	8.78	7.08	94	184
			6.5	28.7	7.11	2.37	31	187
			10.6	19.6	6.93	0.24	3	212
7/12/05 7:55 AM	6.12	10458 (LF2)	0.3	29	9.06	8.15	108	185
			5	28.1	7	3.2	42	181
			18.2	16.5	6.83	0.27	3	208

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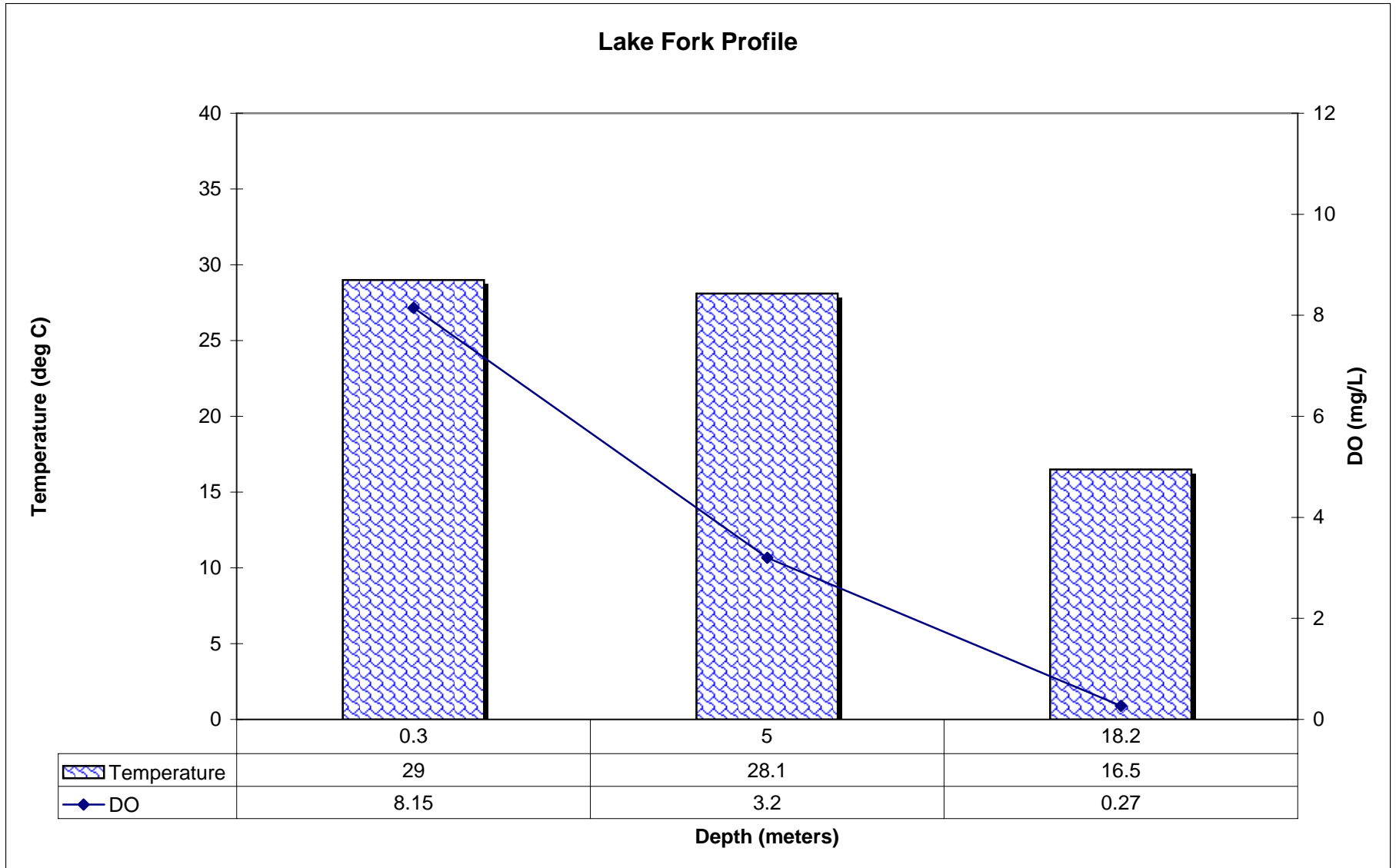
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For Station 10434 (LT23A): LAKE TAWAKONI IN THE MAIN LAKE NEAR THE DAM IN THE OLD RIVER CHANNEL

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Lake Tawakoni Weather and Reservoir Data

July 2005

Date	Lake Elev	LE - TOP	Releases inst	Max Temp	Min Temp	Rainfall	Evap
7/1/05	435.16	(2.34)	6	100	79	0.00	0.62
7/2/05	435.13	(2.37)	6	92	68	0.10	0.00
7/3/05	435.09	(2.41)	6	92	70	0.05	0.18
7/4/05	435.05	(2.45)	6	100	76	0.00	0.15
7/5/05	435.02	(2.48)	6	97	72	0.34	0.37
7/6/05	434.98	(2.52)	6	96	71	0.00	0.39
7/7/05	434.94	(2.56)	6	93	71	0.00	0.28
7/8/05	434.91	(2.59)	6	86	71	0.00	0.23
7/9/05	434.87	(2.63)	6	94	71	0.00	0.62
7/10/05	434.83	(2.67)	6	95	71	0.00	0.32
7/11/05	434.79	(2.71)	6	96	72	0.00	0.45
7/12/05	434.76	(2.74)	6	94	73	0.00	0.41
7/13/05	434.73	(2.77)	6	101	73	0.00	0.31
7/14/05	434.72	(2.78)	6	95	71	0.04	0.21
7/15/05	434.68	(2.82)	6	98	72	0.06	0.42
7/16/05	434.67	(2.83)	6	93	71	0.59	0.00
7/17/05	434.64	(2.86)	6	86	72	0.05	0.08
7/18/05	434.61	(2.89)	6	90	73	0.00	0.35
7/19/05	434.58	(2.92)	6	91	73	0.00	0.19
7/20/05	434.55	(2.95)	6	97	74	0.00	0.35
7/21/05	434.52	(2.98)	6	97	74	0.00	0.38
7/22/05	434.48	(3.02)	6	97	74	0.00	0.43
7/23/05	434.43	(3.07)	6	99	74	0.00	0.27
7/24/05	434.40	(3.10)	6	96	74	0.00	0.32
7/25/05	434.35	(3.15)	6	97	74	0.00	0.44
7/26/05	434.30	(3.20)	6	95	72	0.00	0.33
7/27/05	434.29	(3.21)	6	97	73	0.00	0.39
7/28/05	434.24	(3.26)	6	85	71	0.00	0.28
7/29/05	434.20	(3.30)	6	85	65	0.00	0.15
7/30/05	434.15	(3.35)	6	94	69	0.00	0.44
7/31/05	434.11	(3.39)	6	94	65	0.00	0.43
Avg or Tot	434.65	(2.85)	6	94	72	1.23	9.79

	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 7/12/2005

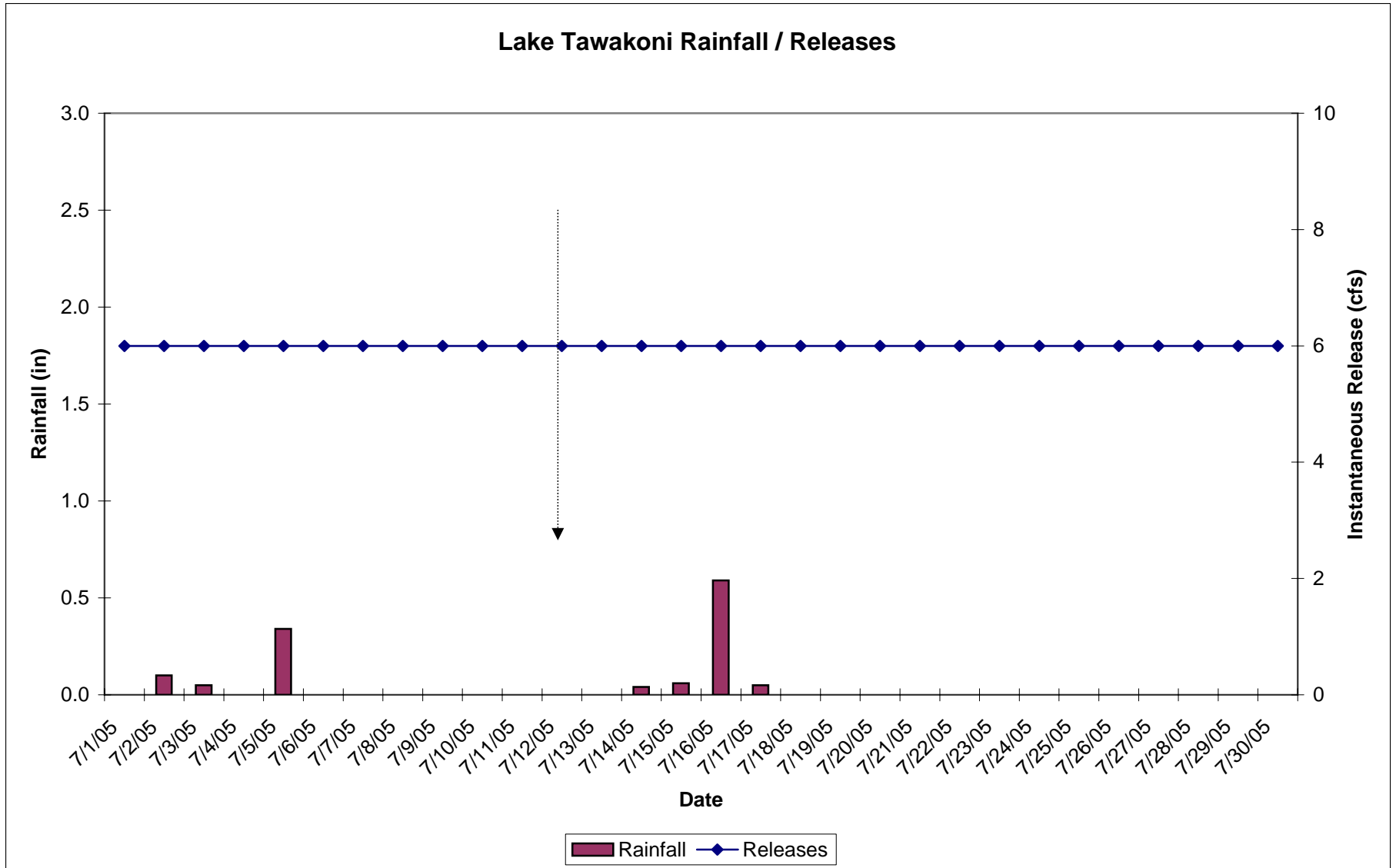
Lake Elev from USGS daily mean elevation
 USGS 08017400 Lk Tawakoni nr Wills Point, TX
http://waterdata.usgs.gov/tx/nwis/dv/?site_no=08017400&agency_cd=USGS
 Acquired 8/1/2005; provisional and subject to revision by USGS.

Other values measured by SRA-TX

NR: No Reading

SABINE RIVER AUTHORITY OF TEXAS

July 2005



Please Note : Lake Tawakoni has an uncontrolled spillway.

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Lake Fork Weather and Reservoir Data

July 2005

Date	Lake Elev	LE - TOP	Releases avg	Releases cur	Max Temp	Min Temp	Rainfall	Evap
7/1/05	401.87	(1.13)	64	64	100	78	0.00	0.37
7/2/05	401.84	(1.16)	64	64	96	71	0.46	0.00
7/3/05	401.81	(1.19)	64	64	84	71	0.38	0.00
7/4/05	401.78	(1.22)	64	64	100	76	0.00	0.42
7/5/05	401.78	(1.22)	64	64	98	70	0.73	0.50
7/6/05	401.77	(1.23)	64	64	96	72	0.00	0.26
7/7/05	401.74	(1.26)	64	64	93	74	0.00	0.29
7/8/05	401.72	(1.28)	64	64	90	75	0.00	0.32
7/9/05	401.69	(1.31)	64	64	94	72	0.00	0.21
7/10/05	401.67	(1.33)	64	64	96	74	0.00	0.17
7/11/05	401.65	(1.35)	64	64	98	72	0.00	0.29
7/12/05	401.66	(1.34)	64	64	96	74	0.00	0.32
7/13/05	401.74	(1.26)	64	64	100	76	2.75	0.36
7/14/05	401.73	(1.27)	64	64	94	70	0.13	0.10
7/15/05	401.71	(1.29)	64	64	98	72	0.00	0.35
7/16/05	401.70	(1.30)	64	64	94	70	0.21	0.14
7/17/05	401.68	(1.32)	64	64	90	70	0.00	0.17
7/18/05	401.67	(1.33)	64	64	92	72	0.03	0.14
7/19/05	401.65	(1.35)	64	64	93	74	0.00	0.25
7/20/05	401.63	(1.37)	64	64	96	76	0.00	0.31
7/21/05	401.61	(1.39)	64	64	98	76	0.00	0.38
7/22/05	401.59	(1.41)	64	64	100	80	0.00	0.35
7/23/05	401.57	(1.43)	64	64	100	76	0.05	0.20
7/24/05	401.55	(1.45)	64	64	98	78	0.00	0.26
7/25/05	401.52	(1.48)	64	64	98	77	0.00	0.49
7/26/05	401.49	(1.51)	64	64	96	76	0.00	0.37
7/27/05	401.48	(1.52)	64	64	96	76	0.00	0.25
7/28/05	401.44	(1.56)	64	64	91	72	0.00	0.38
7/29/05	401.41	(1.59)	64	64	89	71	0.00	0.20
7/30/05	401.39	(1.61)	64	64	96	70	0.00	0.36
7/31/05	401.36	(1.64)	64	64	97	72	0.00	0.36
Avg or Tot	401.64	(1.36)	64	64	95	74	4.74	8.57

	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.

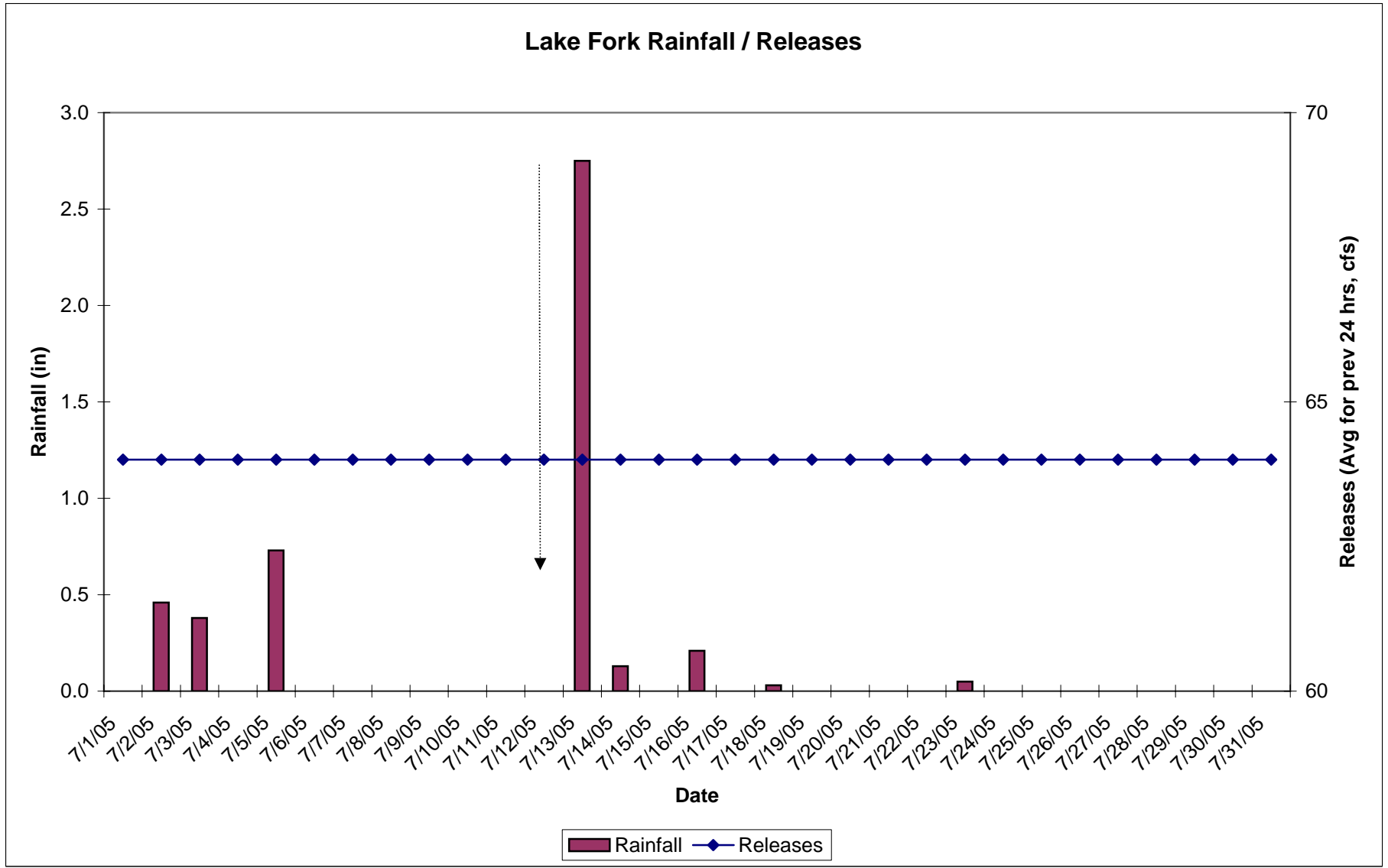
Lake Fork Sampled on 7/12/2005

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 8/1/2005; provisional and subject to revision by USGS.

Other values measured by SRA-TX

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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 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

July 2005

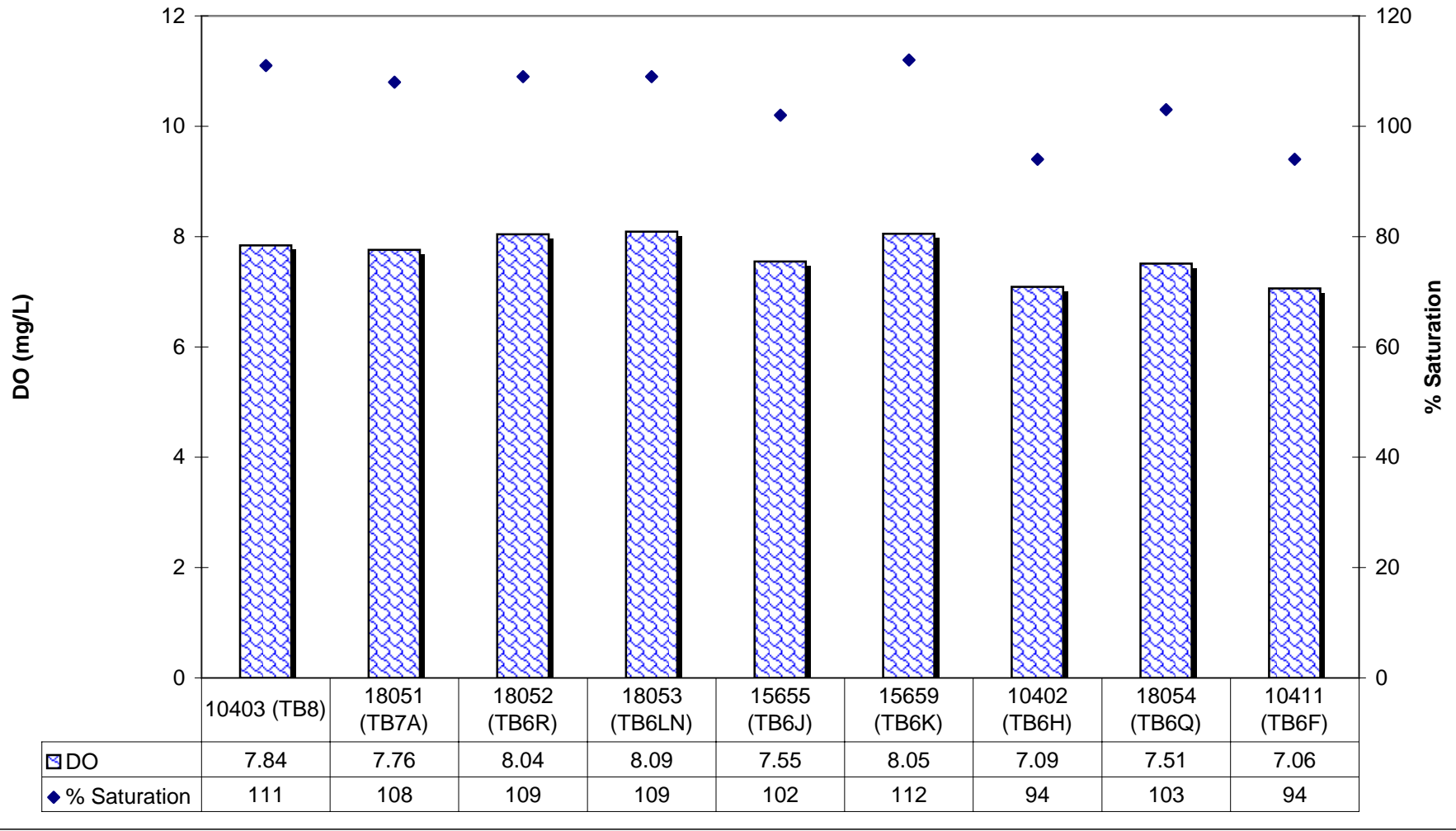
Date	SW ID	Station	Temperature °C 00010	pH Units 00400	DO mg/L 00300	% Saturation 00301	Conductivity µS/cm 00094	Salinity ppt 00480	Secchi Meters 00078	Turbidity NTU 82079	<i>E. coli</i> mpn/100ml 31699	Chlorophyll a µg/L 32211	Nitrite mg/L 00615	Nitrate mg/L 00620	Ortho- Phosphate 00671	TOC mg/L 00680	Total Alkalinity 00410	Total Hardness 00900	Chloride mg/L 00940	Sulfate mg/L 00945
7/13/05 11:20 AM	4.00	10403 (TB8)	32.7	8.16	7.84	111	491	*	0.68	9.6	28	*	< 0.02	< 0.02	< 0.04	9	80	84	70	51
7/13/05 12:10 PM	4.00	18051 (TB7A)	32.4	8.07	7.76	108	460	*	0.59	4.7	1	*	< 0.02	< 0.02	< 0.04	8	80	80	64	44
7/11/05 10:00 AM	4.00	18052 (TB6R)	30.6	8.67	8.04	109	212	*	0.71	4.25	< 1	32	< 0.02	< 0.02	< 0.04	8	40	48	25	21
7/11/05 12:05 PM	4.00	18053 (TB6LN)	31.2	8.5	8.09	109	170	*	0.69	4.67	< 1	*	< 0.02	< 0.02	< 0.04	7	30	36	19	18
7/12/05 10:37 AM	4.00	15655 (TB6J)	31.3	8.72	7.55	102	181	*	0.74	4.38	3	*	< 0.02	0.08	< 0.04	8	30	44	19	20
7/12/05 1:15 PM	4.00	15659 (TB6K)	32.5	8.71	8.05	112	175	*	0.8	3.41	1	*	< 0.02	0.03	< 0.04	8	30	40	19	20
7/12/05 11:45 AM	4.00	10402 (TB6H)	30.8	8.31	7.09	94	173	*	1.5	2.14	1	16	< 0.02	< 0.02	< 0.04	7	30	40	19	20
7/11/05 1:10 PM	4.00	18054 (TB6Q)	31.6	8.05	7.51	103	160	*	0.98	2.11	< 1	*	< 0.02	< 0.02	< 0.04	7	20	36	17	18
7/12/05 11:08 AM	4.00	10411 (TB6F)	31	7.94	7.06	94	139	*	0.77	3.64	< 1	16	< 0.02	0.04	< 0.04	6	20	36	13	14
7/12/05 9:50 AM	4.00	10407 (TB6CN)	31.3	7.36	6.75	91	139	*	0.59	5.34	< 1	*	< 0.02	0.03	< 0.04	7	20	32	14	14
7/11/05 2:25 PM	4.00	10404 (TB6A)	32.1	8.06	7.32	99	148	*	1.85	1.14	< 1	6	< 0.02	< 0.02	< 0.04	7	20	36	15	18
7/13/05 12:35 PM	3.03	10340 (BA4)	30.4	7.3	6.18	82	567	*	0.18	32.6	24	*	0.03	0.25	0.16	12	80	40	17	140
7/13/05 10:55 AM	3.00	10401 (TB6S)	18.6	6.7	9.1	97	157	*	> 1.25	1.62	10	*	< 0.02	< 0.02	< 0.04	7	30	36	15	14
7/13/05 12:10 PM	3.00	10399 (SR5)	29.4	7.01	6.91	90	149	*	0.41	9.58	19	10	< 0.02	0.24	< 0.04	7	20	36	17	17
7/13/05 1:05 PM	3.00	10398 (SR3)	30.5	7.05	7.19	96	154	*	0.32	7.92	16	9	< 0.02	0.032	< 0.04	6	20	32	15	21
7/13/05 9:15 AM	2.05	10465 (BCC1)	25.9	6.04	7.06	87	49	*	0.39	18.7	39	*	< 0.02	0.13	< 0.04	4	< 10	16	< 10	< 10
7/13/05 8:30 AM	2.00	10397 (SR2)	29.4	6.56	6.42	84	161	*	0.28	14.1	2	13	< 0.02	0.02	< 0.04	10	30	32	13	26

*: Not sampled on this run

SABINE RIVER AUTHORITY OF TEXAS

July 2005

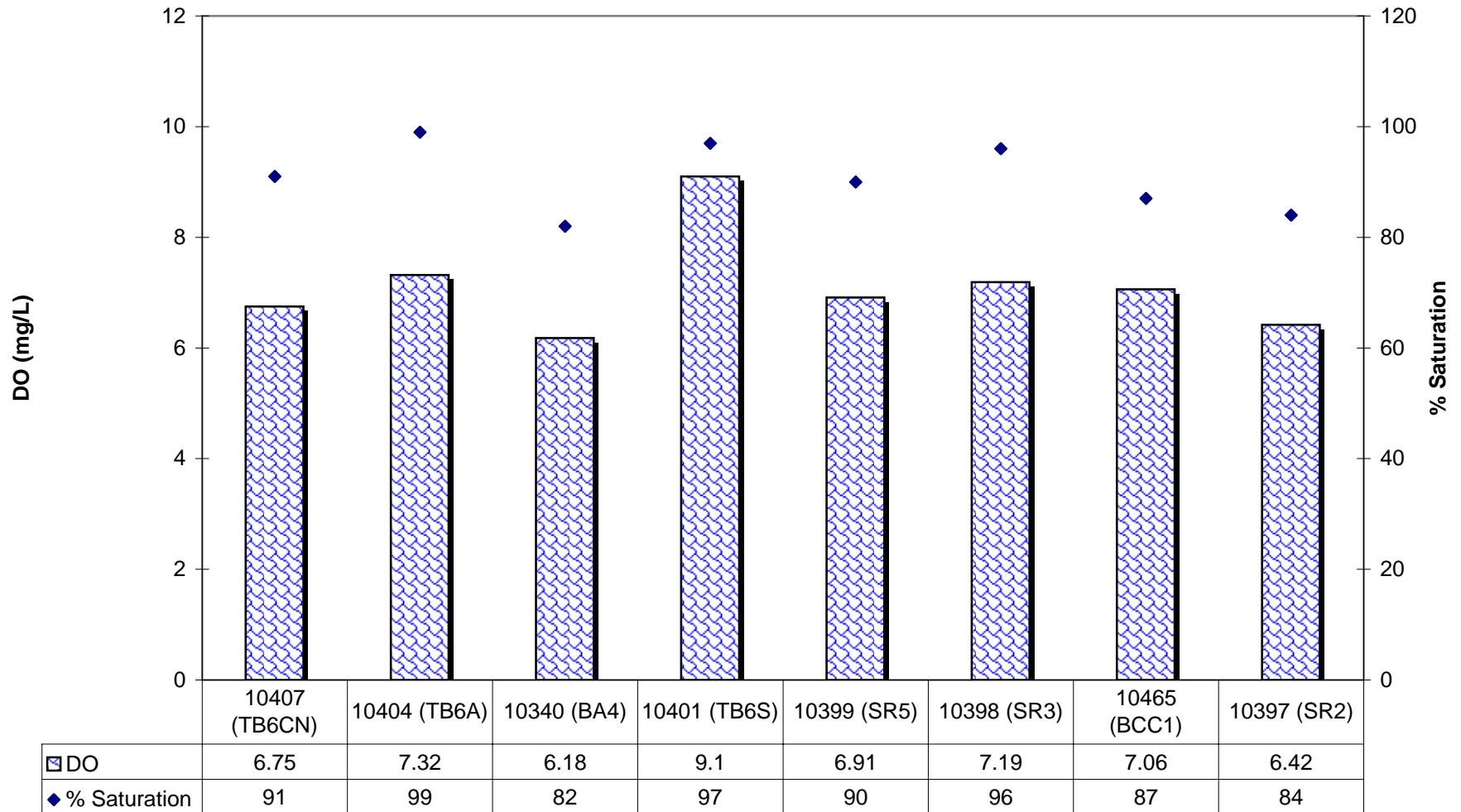
Lower Sabine Basin DO / % Saturation (1 of 2)



SABINE RIVER AUTHORITY OF TEXAS

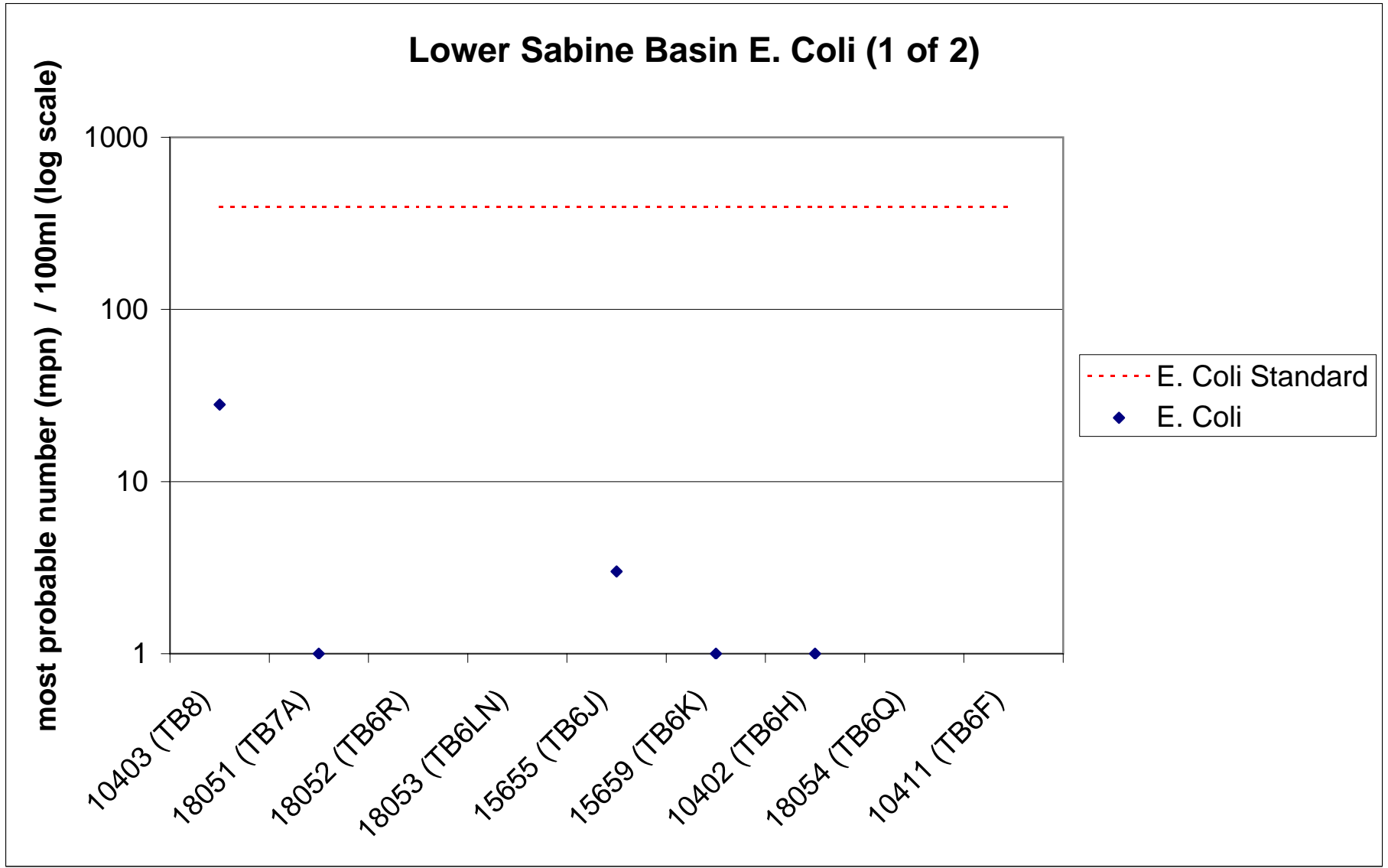
July 2005

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



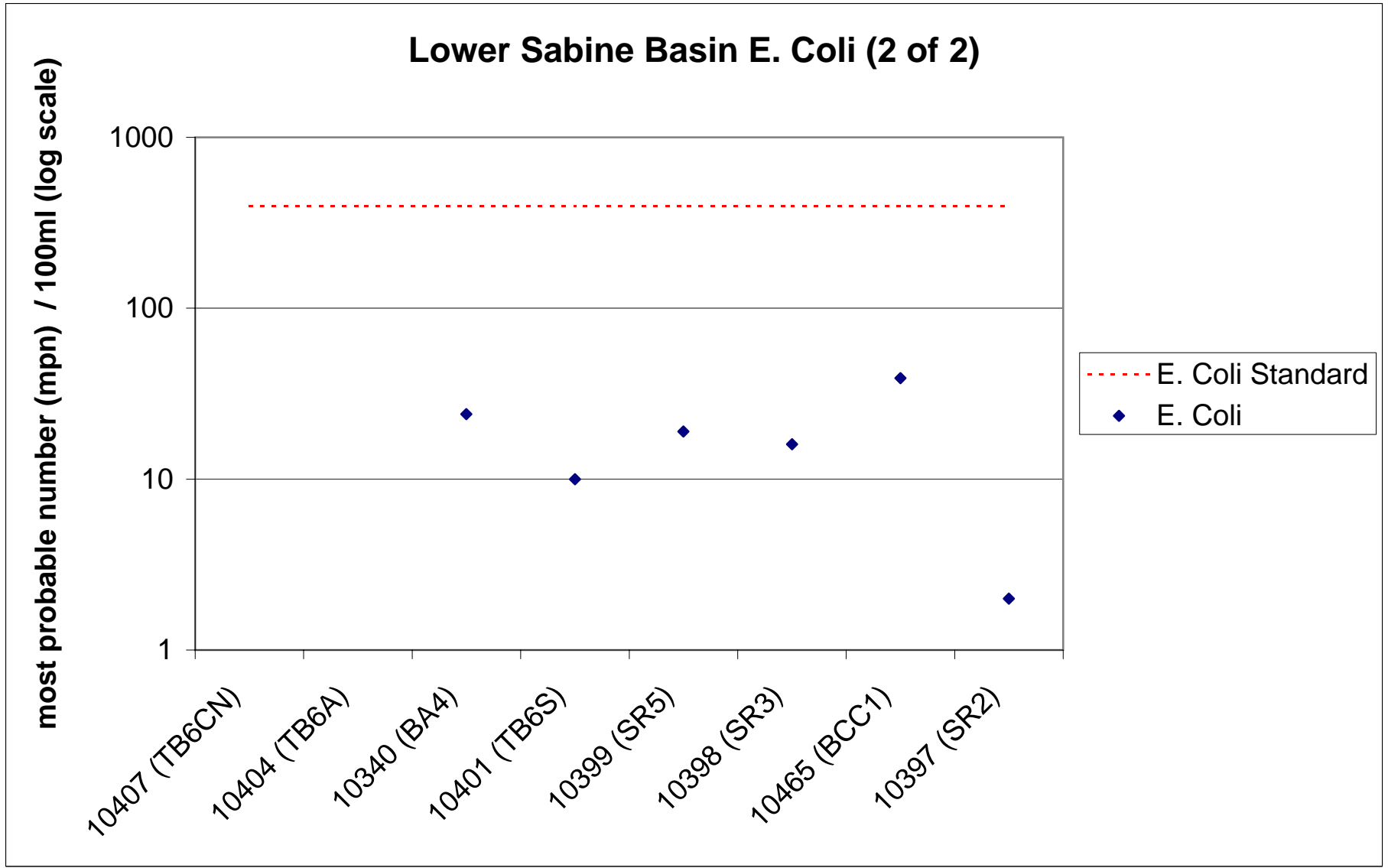
SABINE RIVER AUTHORITY OF TEXAS

July 2005



SABINE RIVER AUTHORITY OF TEXAS

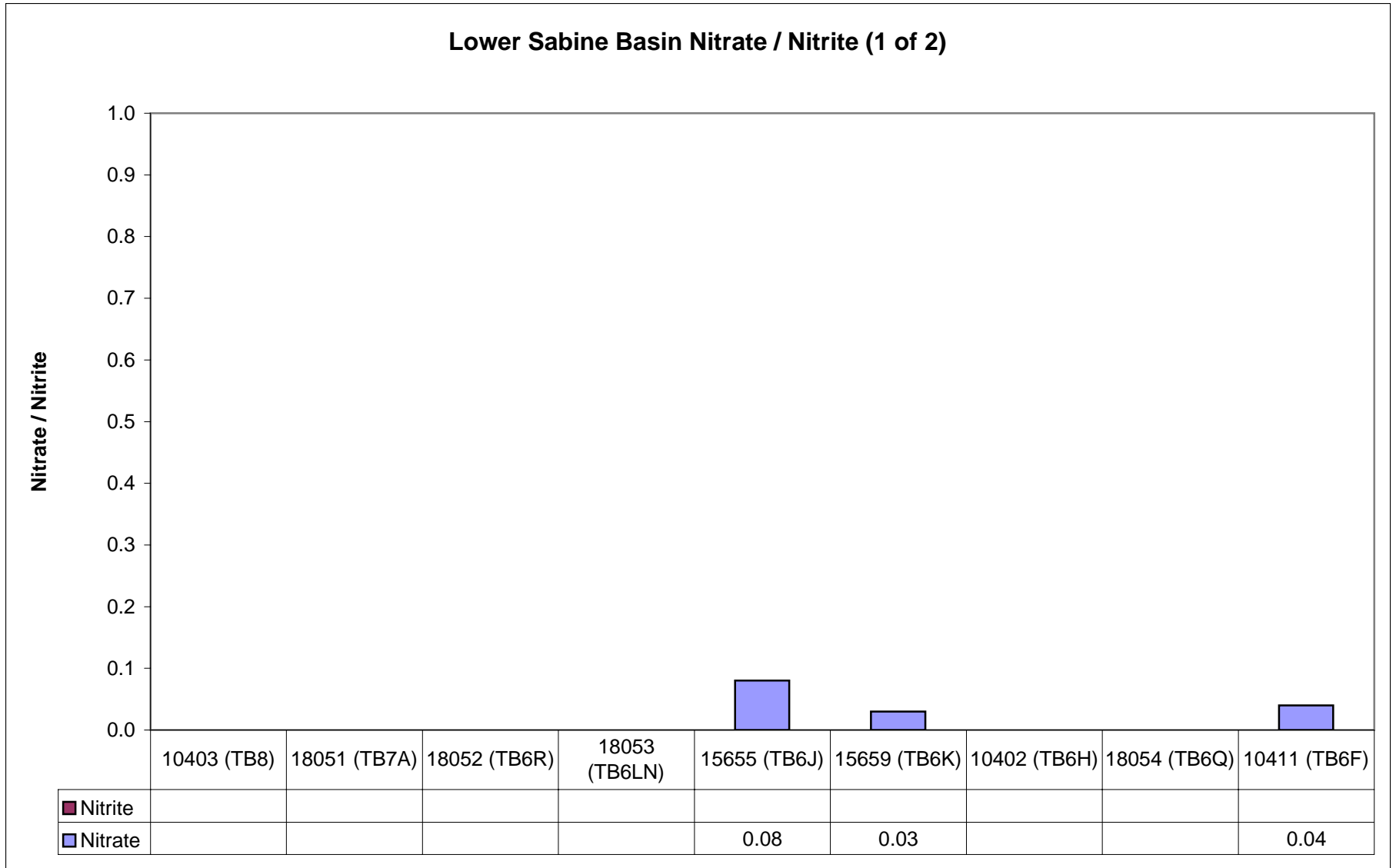
July 2005



Stations without values were below detection limit on this run (see page 18)

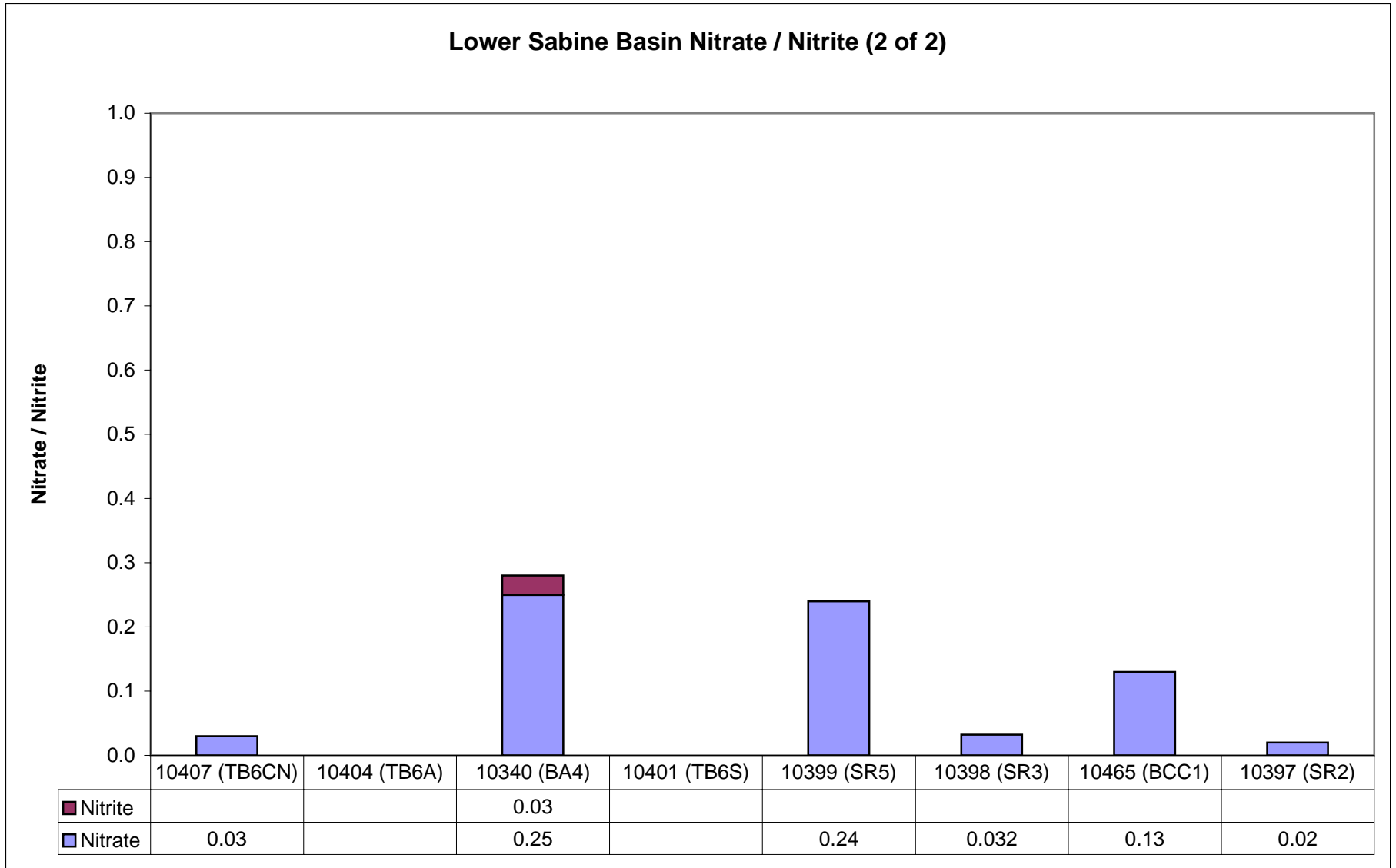
SABINE RIVER AUTHORITY OF TEXAS

July 2005



SABINE RIVER AUTHORITY OF TEXAS

July 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

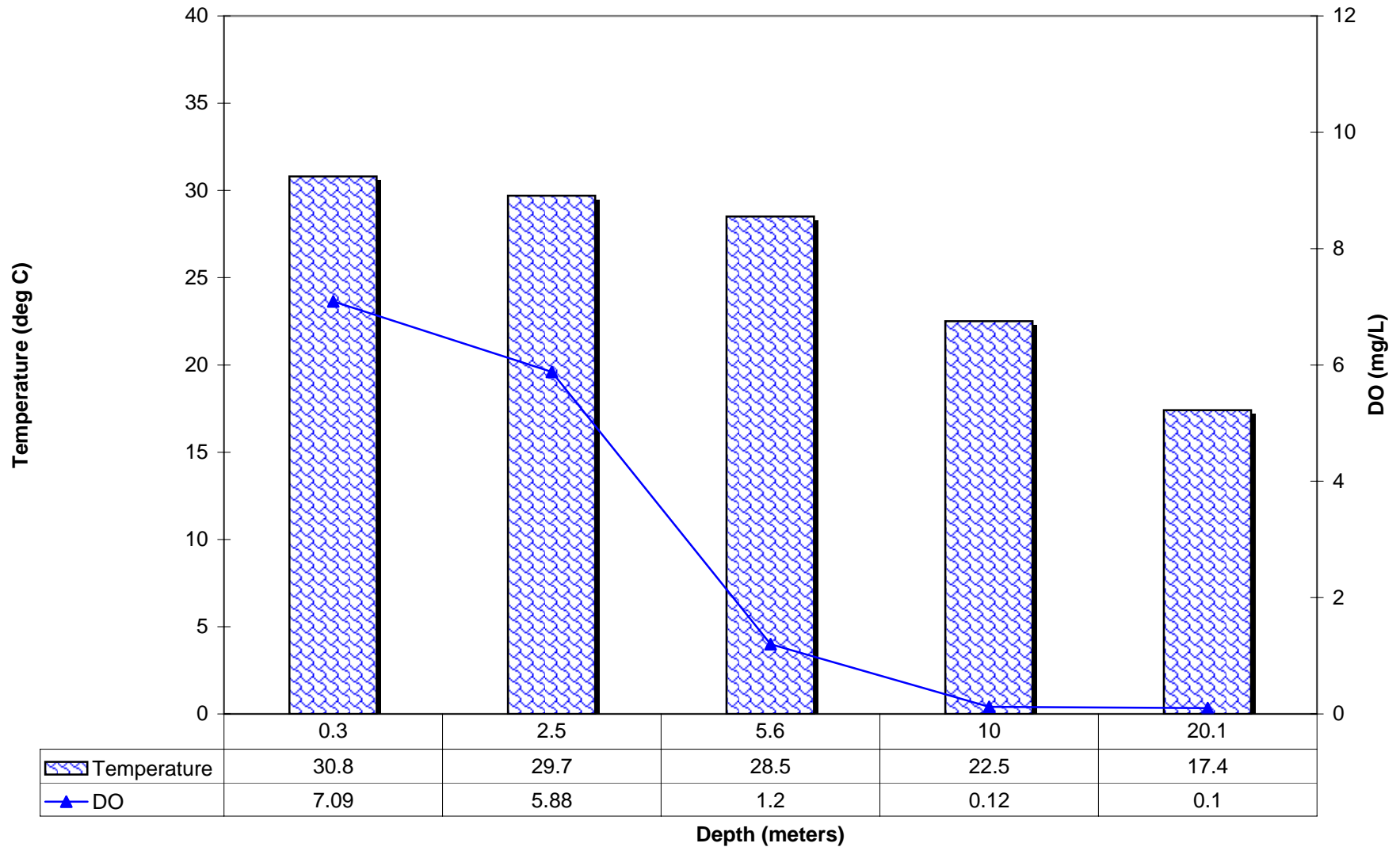
July 2005

Date	SW ID	Station	Depth Meters	Temperature	pH	DO	%	Conductivity
				°C 00010	Units 00400	mg/L 00300	Saturation 00301	µS/cm 00094
7/13/05 11:20 AM	4.00	10403 (TB8)	0.3	32.7	8.16	7.84	111	491
			3.8	30.6	7.15	1.36	19	486
			9.9	28.9	6.97	0.18	2	491
7/13/05 12:10 PM	4.00	18051 (TB7A)	0.3	32.4	8.07	7.76	108	460
			3	30.8	7.16	1.65	22	461
			8.3	26.5	6.97	0.14	2	424
7/11/05 10:00 AM	4.00	18052 (TB6R)	0.3	30.6	8.67	8.04	109	212
			2	30.2	8.05	6.77	90	213
			5	29.7	6.96	4.35	58	209
			8	27.2	6.7	0.3	4	215
			13.2	22.1	6.56	0.39	4	263
7/11/05 12:05 PM	4.00	18053 (TB6LN)	0.3	31.2	8.5	8.09	109	170
			3.5	29.5	6.83	4.88	64	172
			6.2	29	6.36	0.66	7	179
7/12/05 10:37 AM	4.00	15655 (TB6J)	0.3	31.3	8.72	7.55	102	181
			2.7	30	6.62	2.42	32	184
			3.7	29.7	6.49	1.08	14	186
7/12/05 1:15 PM	4.00	15659 (TB6K)	0.3	32.5	8.71	8.05	112	175
			2.5	31.2	7.69	5.6	74	176
			4.8	29.6	6.56	1	12	181
			8.3	26.4	6.6	0.58	7	206
7/12/2005 11:45	4.00	10402 (TB6H)	0.3	30.8	8.31	7.09	94	173
			2.5	29.7	7.33	5.88	77	172
			5.6	28.5	6.47	1.2	15	169
			10	22.5	6.61	0.12	1	193
			20.1	17.4	6.49	0.1	1	181
7/11/05 1:10 PM	4.00	18054 (TB6Q)	0.3	31.6	8.05	7.51	103	160
			2	29.9	7.3	7.13	95	161
			4.3	28.5	6.53	3.36	44	162
			7.8	23.4	6.53	0.52	5	193
7/12/05 11:08 AM	4.00	10411 (TB6F)	0.3	31	7.94	7.06	94	139
			2.8	30.3	6.87	4.87	65	145
			4.5	29.3	6.42	0.68	6	143
7/12/05 9:50 AM	4.00	10407 (TB6CN)	0.3	31.3	7.36	6.75	91	139
			2	30.7	6.85	5.84	78	141
			4	29.3	6.05	1.59	21	136
			6	28.6	5.82	0.3	4	137
7/11/2005 14:25	4	10404 (TB6A)	0.3	32.1	8.06	7.32	99	148
			3	29.7	7.78	7.04	93	149
			6.5	26.9	6.51	1.72	21	150
			8	21.7	6.38	0.22	2	152
			14.5	17.2	6.38	0.18	2	157
			27.8	14.9	6.54	0.22	2	173

SABINE RIVER AUTHORITY OF TEXAS

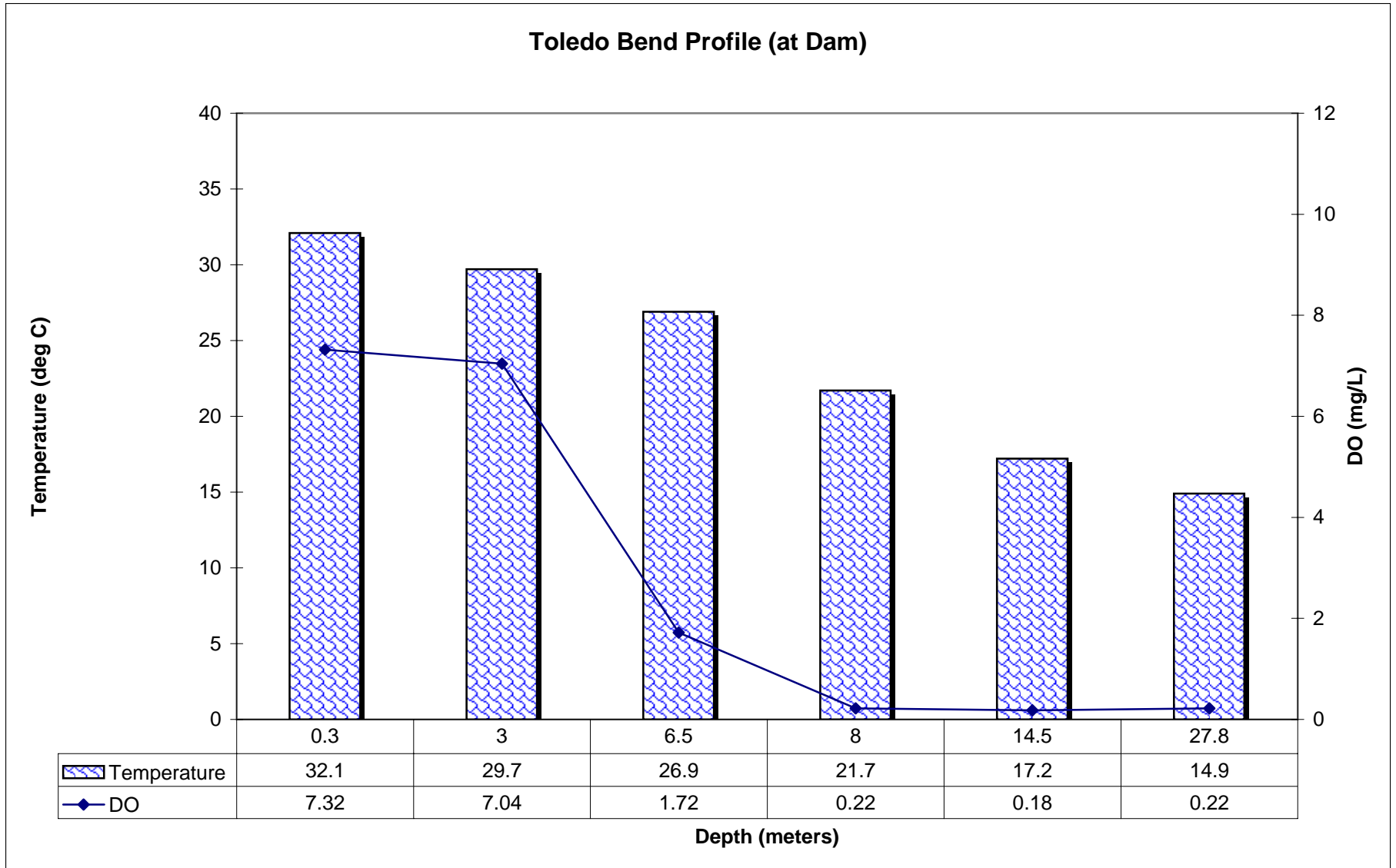
July 2005

Toledo Bend Profile (at Pendleton Bridge)



SABINE RIVER AUTHORITY OF TEXAS

July 2005



SABINE RIVER AUTHORITY OF TEXAS

Toledo Bend Weather and Reservoir Data

July 2005

Date	Lake Elev	LE - TOP	Max Temp	Min Temp	Rainfall	Evaporation	Daily Releases cfs	Daily Releases ac ft	Current Release
7/1/05	168.08	(3.92)	96	75	0.00	0.41	5,117	10,149	204
7/2/05	168.08	(3.92)	97	72	0.00	0.24	3,441	6,825	204
7/3/05	168.04	(3.96)	95	67	1.83	0.35	204	405	204
7/4/05	168.02	(3.98)	96	68	0.00	0.32	204	405	204
7/5/05	168.00	(4.00)	97	74	0.00	0.31	4,993	9,903	204
7/6/05	167.98	(4.02)	96	75	0.00	0.24	5,149	10,213	204
7/7/05	167.92	(4.08)	91	72	0.97	0.30	5,189	10,292	204
7/8/05	167.87	(4.13)	94	70	0.51	0.47	5,288	10,489	204
7/9/05	167.84	(4.16)	85	70	0.00	0.01	3,541	7,023	204
7/10/05	167.88	(4.12)	90	71	0.01	0.15	204	405	204
7/11/05	167.76	(4.24)	98	72	0.00	0.27	5,200	10,314	204
7/12/05	167.65	(4.35)	97	72	0.00	0.38	5,290	10,493	204
7/13/05	167.58	(4.42)	97	74	0.00	0.18	5,240	10,393	204
7/14/05	167.58	(4.42)	97	74	1.92	0.59	5,126	10,167	204
7/15/05	167.49	(4.51)	82	71	0.04	0.11	5,201	10,316	204
7/16/05	167.48	(4.52)	83	72	1.58	0.69	3,381	6,706	204
7/17/05	167.48	(4.52)	88	74	1.30	0.22	204	405	204
7/18/05	167.43	(4.57)	89	74	0.34	0.23	5,256	10,425	204
7/19/05	167.37	(4.63)	94	74	0.00	0.26	5,299	10,510	204
7/20/05	167.30	(4.70)	93	73	0.00	0.32	5,271	10,455	204
7/21/05	167.25	(4.75)	96	76	0.00	0.00	5,330	10,572	204
7/22/05	167.20	(4.80)	96	73	0.00	0.23	5,338	10,984	204
7/23/05	167.19	(4.81)	85	73	0.24	0.13	3,343	6,631	204
7/24/05	167.17	(4.83)	93	74	0.00	0.23	161	319	204
7/25/05	167.08	(4.92)	92	76	0.04	0.24	5,234	10,381	144
7/26/05	166.99	(5.01)	96	76	0.00	0.26	5,390	10,691	204
7/27/05	166.92	(5.08)	95	76	0.00	0.29	5,250	10,413	204
7/28/05	166.90	(5.10)	95	74	0.00	0.26	5,312	10,536	204
7/29/05	166.80	(5.20)	92	70	0.00	0.14	5,342	10,596	204
7/30/05	166.73	(5.27)	93	70	0.00	0.25	3,454	6,851	204
7/31/05	166.70	(5.30)	92	70	0.00	0.30	204	405	204
Avg or Tot	167.48	(4.52)	93	73	8.78	8.38	3,973	244,672	

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.

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

NR: No Reading

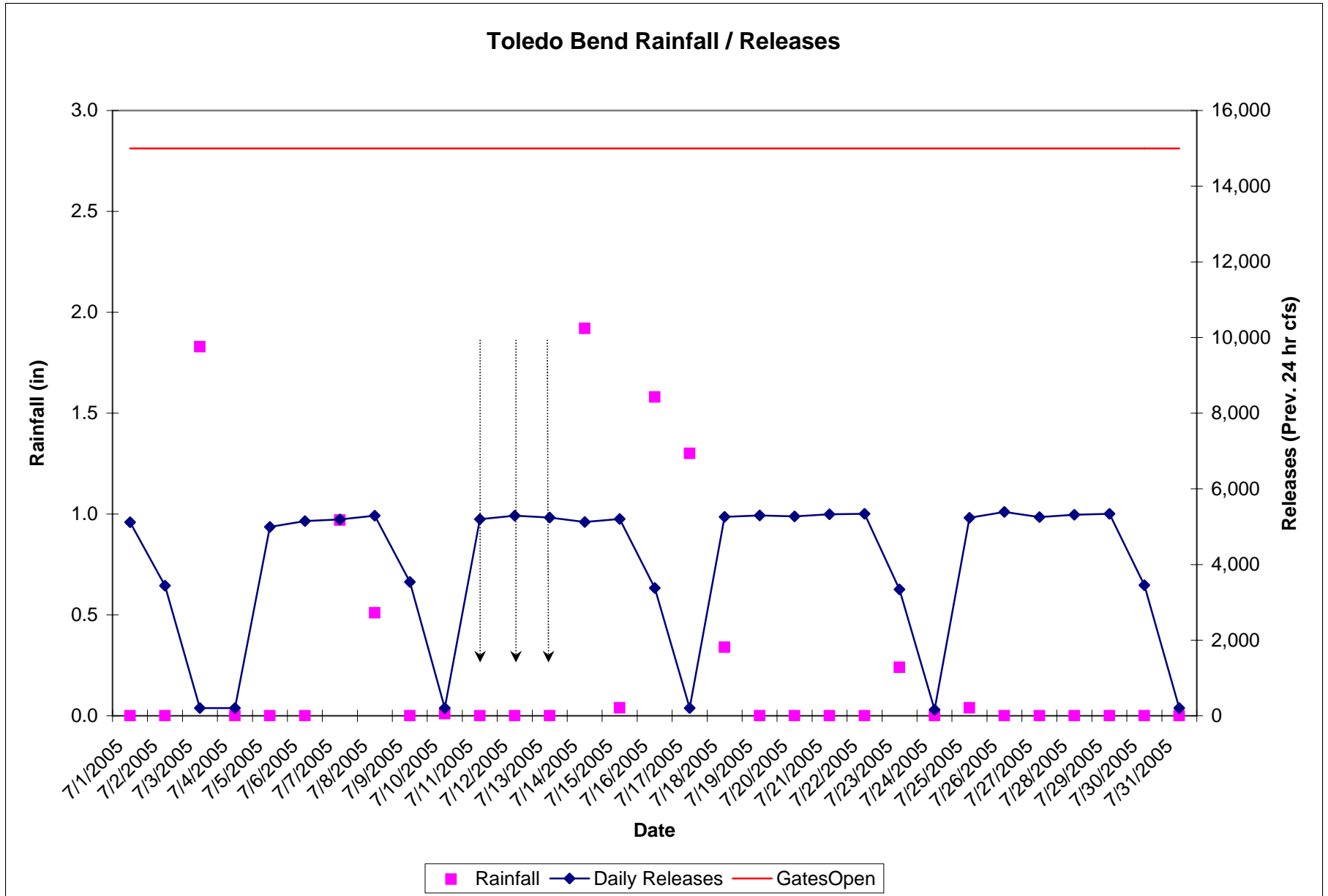
Toledo Bend Sampled on 7/11,12,13/2005
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Lake Elev from USGS daily mean elevation
 USGS 08025350 Toledo Bd Res nr Burkeville, TX
http://waterdata.usgs.gov/tx/nwis/dv/?site_no=08025350&agency_cd=USGS
 Acquired 8/1/2005; provisional and subject to revision by USGS.

Other values measured by SRA-TX

SABINE RIVER AUTHORITY OF TEXAS

July 2005



Toledo Bend sampled on 7/11,12,13/2005

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

SABINE RIVER AUTHORITY OF TEXAS

Burkeville Weather and River Data

July 2005

Date	Rainfall	Gauge Height	GH - FS	Flow
7/1/05	OUT	18.16	(19.84)	5,330
7/2/05	OUT	17.42	(20.58)	4,410
7/3/05	OUT	15.20	(22.80)	2,310
7/4/05	OUT	13.45	(24.55)	1,030
7/5/05	OUT	15.26	(22.74)	3,100
7/6/05	OUT	18.31	(19.69)	5,470
7/7/05	OUT	18.45	(19.55)	5,640
7/8/05	OUT	18.48	(19.52)	5,660
7/9/05	OUT	17.57	(20.43)	4,580
7/10/05	OUT	14.97	(23.03)	2,220
7/11/05	OUT	15.36	(22.64)	3,220
7/12/05	OUT	18.37	(19.63)	5,560
7/13/05	OUT	18.44	(19.56)	5,620
7/14/05	OUT	18.39	(19.61)	5,560
7/15/05	OUT	18.48	(19.52)	5,670
7/16/05	OUT	17.61	(20.39)	4,610
7/17/05	OUT	15.03	(22.97)	2,230
7/18/05	OUT	15.70	(22.30)	3,410
7/19/05	OUT	18.46	(19.54)	5,650
7/20/05	OUT	18.48	(19.52)	5,670
7/21/05	OUT	18.45	(19.55)	5,640
7/22/05	OUT	18.48	(19.52)	5,670
7/23/05	OUT	18.02	(19.98)	5,000
7/24/05	OUT	15.01	(22.99)	2,250
7/25/05	OUT	15.71	(22.29)	3,420
7/26/05	OUT	18.42	(19.58)	5,600
7/27/05	OUT	18.45	(19.55)	5,640
7/28/05	OUT	18.45	(19.55)	5,640
7/29/05	OUT	18.47	(19.53)	5,670
7/30/05	OUT	17.50	(20.50)	4,510
7/31/05	OUT	14.87	(23.13)	2,140
Avg or Tot	OUT	17.21	(20.79)	4,456

	Tot	Avg	Avg	Avg
Units	Inches	Feet	Feet	cfs

FS: Flood Stage = 38 feet

OUT: Gage Out

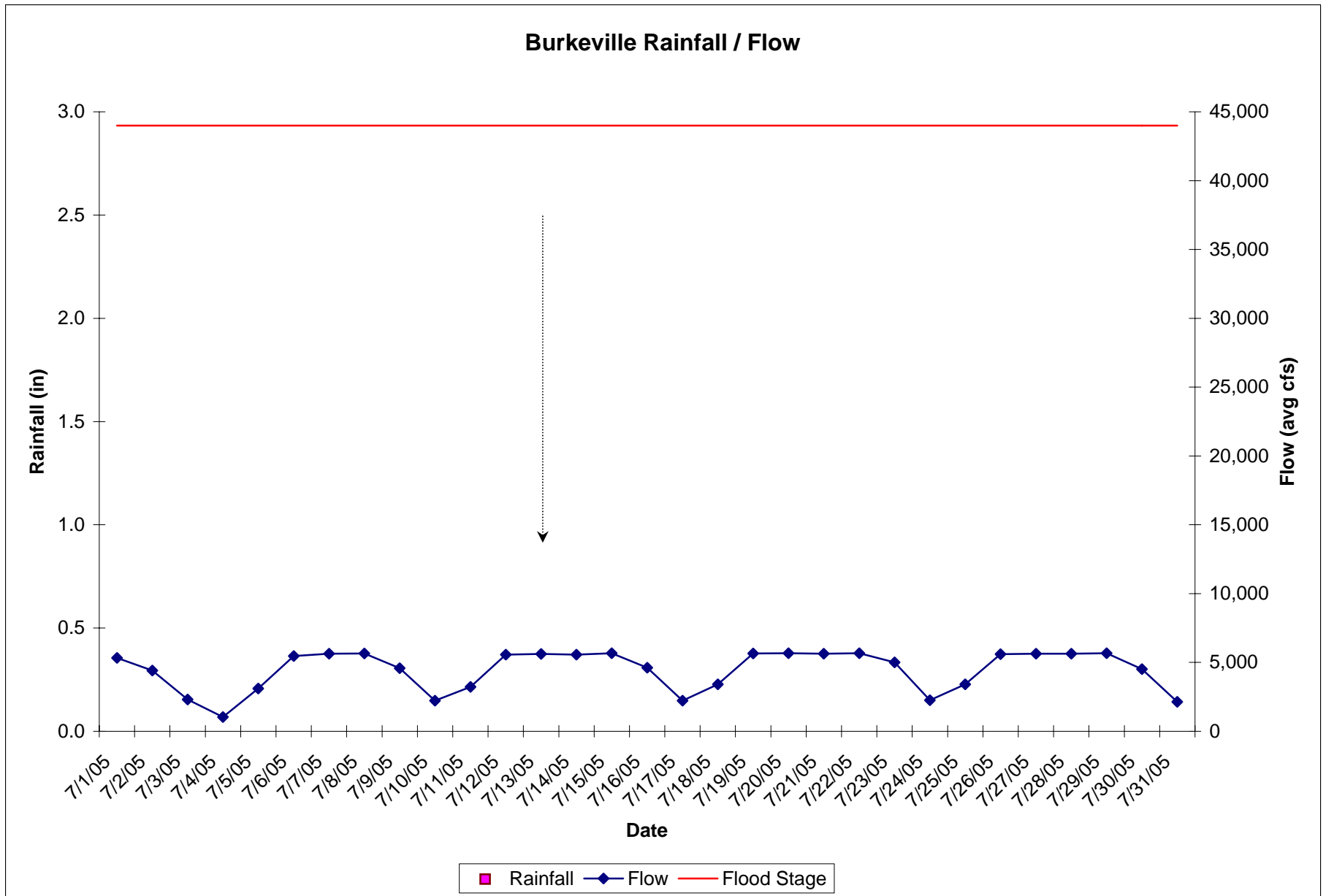
Lower Sabine Basin Sampled on 7/13/2005

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 8/1/2005; provisional and subject to revision by USGS.

Other values measured by SRA-TX

SABINE RIVER AUTHORITY OF TEXAS

July 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

July 2005

Date	Gauge Height	GH - FS	Flow Avg	308 Rainfall
7/1/05	17.96	(12.04)	4,430	OUT
7/2/05	18.45	(11.55)	4,990	OUT
7/3/05	17.71	(12.29)	4,140	OUT
7/4/05	16.05	(13.95)	2,580	OUT
7/5/05	14.90	(15.10)	1,690	OUT
7/6/05	OUT	OUT	OUT	OUT
7/7/05	OUT	OUT	OUT	OUT
7/8/05	19.06	(10.94)	5,710	OUT
7/9/05	19.03	(10.97)	5,680	OUT
7/10/05	18.05	(11.95)	4,510	OUT
7/11/05	15.60	(14.40)	2,270	OUT
7/12/05	16.80	(13.20)	3,480	OUT
7/13/05	18.65	(11.35)	5,220	OUT
7/14/05	18.75	(11.25)	5,330	OUT
7/15/05	18.85	(11.15)	5,460	OUT
7/16/05	19.24	(10.76)	5,940	OUT
7/17/05	18.16	(11.84)	4,640	OUT
7/18/05	15.82	(14.18)	2,420	OUT
7/19/05	17.16	(12.84)	3,790	OUT
7/20/05	18.77	(11.23)	5,360	OUT
7/21/05	18.76	(11.24)	5,340	OUT
7/22/05	18.71	(11.29)	5,280	OUT
7/23/05	18.83	(11.17)	5,430	OUT
7/24/05	18.08	(11.92)	4,550	OUT
7/25/05	15.54	(14.46)	2,220	OUT
7/26/05	17.06	(12.94)	3,730	OUT
7/27/05	18.73	(11.27)	5,310	OUT
7/28/05	18.72	(11.28)	5,300	OUT
7/29/05	18.68	(11.32)	5,250	OUT
7/30/05	18.68	(11.32)	5,240	OUT
7/31/05	17.63	(12.37)	4,060	OUT
Avg or Tot	17.88	(12.12)	4,460	OUT

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

OUT: Gage Out

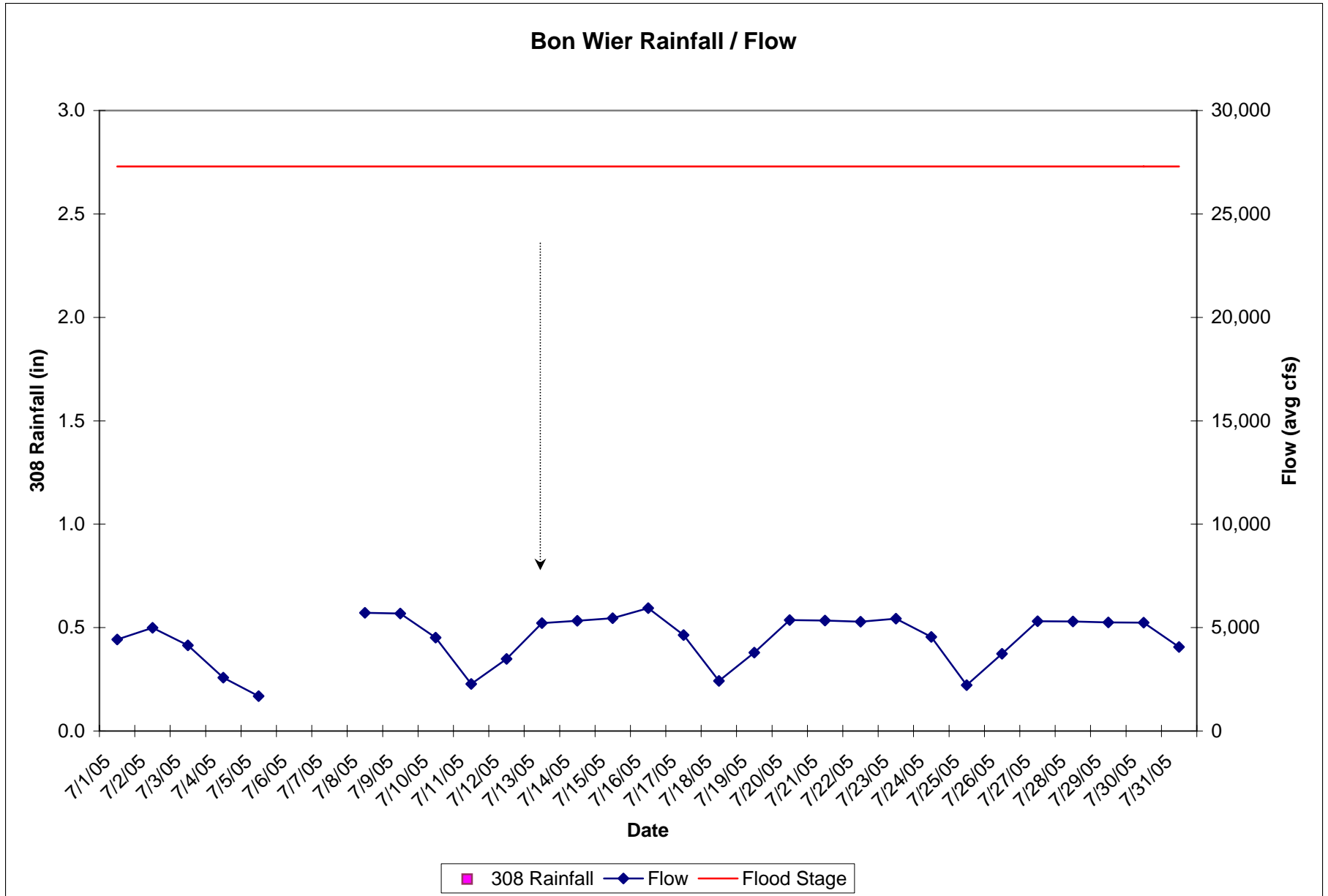
Lower Sabine Basin Sampled on 7/13/2005

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 8/1/2005; provisional and subject to revision by USGS.

Other values measured by SRA-TX

SABINE RIVER AUTHORITY OF TEXAS

July 2005



Lower Sabine Basin sampled on 7/13/2005

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

July 2005

Date	Gauge Height	GH - FS	Flow cfs	Flow acft	309 Rainfall
7/1/2005	20.07	(3.93)	4,100	8,132	OUT
7/2/2005	20.28	(3.72)	4,370	8,668	OUT
7/3/2005	20.44	(3.56)	4,580	9,084	OUT
7/4/2005	20.54	(3.46)	4,730	9,382	OUT
7/5/2005	20.01	(3.99)	4,050	8,033	OUT
7/6/2005	18.65	(5.35)	2,800	5,554	OUT
7/7/2005	18.48	(5.52)	2,690	5,336	OUT
7/8/2005	20.07	(3.93)	4,130	8,192	OUT
7/9/2005	20.86	(3.14)	5,270	10,453	OUT
7/10/2005	21.12	(2.88)	5,700	11,306	OUT
7/11/2005	21.10	(2.90)	5,660	11,226	OUT
7/12/2005	20.37	(3.63)	4,560	9,045	OUT
7/13/2005	19.09	(4.91)	3,140	6,228	OUT
7/14/2005	OUT	OUT	OUT	OUT	OUT
7/15/2005	OUT	OUT	OUT	OUT	OUT
7/16/2005	21.08	(2.92)	5,630	11,167	OUT
7/17/2005	21.25	(2.75)	5,900	11,702	OUT
7/18/2005	21.34	(2.66)	6,060	12,020	OUT
7/19/2005	20.83	(3.17)	5,230	10,374	OUT
7/20/2005	19.80	(4.20)	3,790	7,517	OUT
7/21/2005	20.42	(3.58)	4,580	9,084	OUT
7/22/2005	20.94	(3.06)	5,410	10,731	OUT
7/23/2005	21.13	(2.87)	5,700	11,306	OUT
7/24/2005	21.13	(2.87)	5,700	11,306	OUT
7/25/2005	21.09	(2.91)	5,640	11,187	OUT
7/26/2005	20.42	(3.58)	4,620	9,164	OUT
7/27/2005	19.25	(4.75)	3,270	6,486	OUT
7/28/2005	20.18	(3.82)	4,250	8,430	OUT
7/29/2005	20.78	(3.22)	5,140	10,195	OUT
7/30/2005	20.97	(3.03)	5,460	10,830	OUT
7/31/2005	21.02	(2.98)	5,540	10,988	OUT
Avg or Tot	20.44	(3.56)	4,748	273,124	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 7/13/2005

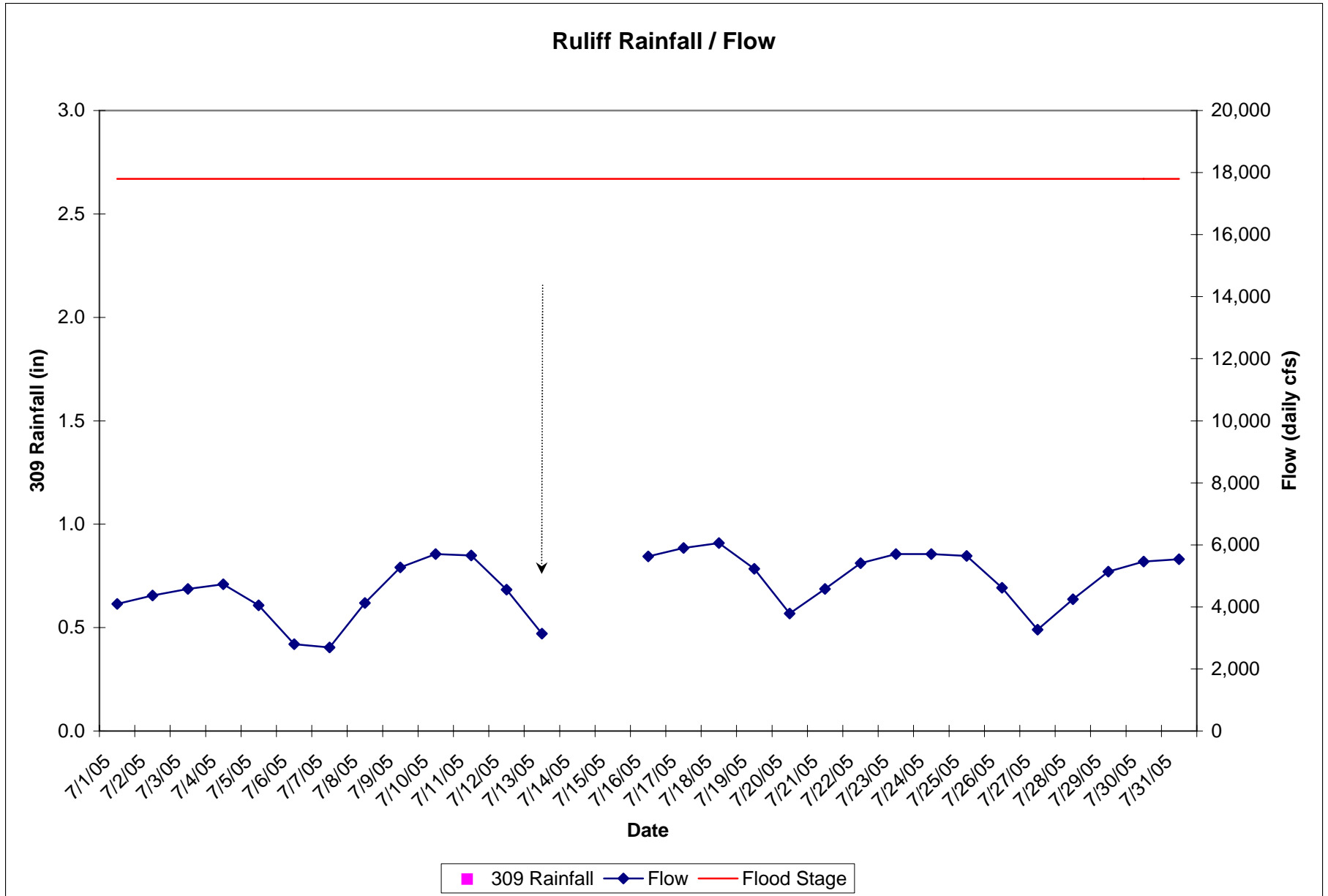
Gauge Height and Flow from USGS daily mean Gage height and Discharge, respectively
 USGS 08030500 Sabine Rv nr Ruliff, TX
http://waterdata.usgs.gov/tx/nwis/dv/?site_no=08030500&agency_cd=USGS
 Acquired 8/1/2005; provisional and subject to revision by USGS.

Other values measured by SRA-TX

Flow acft = Flow cfs * 1.98347

SABINE RIVER AUTHORITY OF TEXAS

July 2005



Lower Sabine Basin sampled on 7/13/2005

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

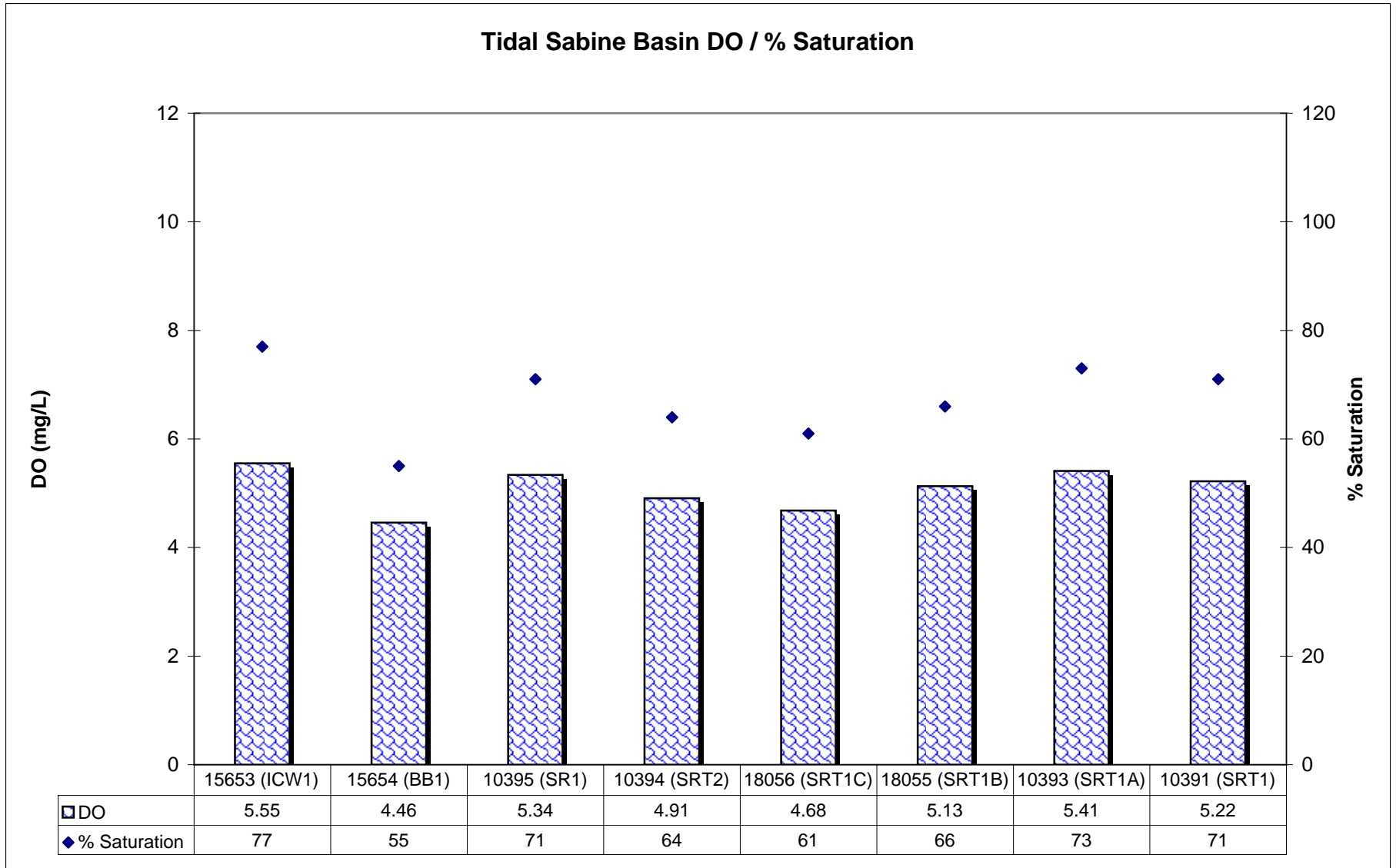
July 2005

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
7/14/05 11:00 AM	1.05	15653 (ICW1)	30.9	7.1	5.55	77	8738	5	0.62	6.15	8	20	*	0.05	0.05	< 0.04	4	40	908
7/14/05 11:45 AM	1.01	15654 (BB1)	30.4	6.88	4.46	55	10700	3	0.57	5.14	128	93	*	< 0.02	< 0.02	< 0.04	4	50	1200
7/14/05 9:17 AM	1.00	10395 (SR1)	29.9	6.84	5.34	71	213	*	0.38	*	13	*	*	< 0.02	0.02	< 0.04	7	30	32
7/14/05 9:40 AM	1.00	10394 (SRT2)	29.6	6.68	4.91	64	236	< 1	0.42	16.1	*	51	*	< 0.02	0.03	< 0.04	7	30	36
7/14/05 10:05 AM	1.00	18056 (SRT1C)	29.6	6.9	4.68	61	978	< 1	0.51	12.6	14	117	*	< 0.02	*	< 0.04	7	30	112
7/14/05 10:25 AM	1.00	18055 (SRT1B)	30	6.97	5.13	66	2635	1	*	10.9	19	71	*	< 0.02	*	< 0.04	6	30	280
7/14/05 11:20 AM	1.00	10393 (SRT1A)	30.1	6.95	5.41	73	4653	2	0.49	8.83	35	71	*	0.02	0.06	0.04	5	40	496
7/14/05 11:30 AM	1.00	10391 (SRT1)	30.1	7.13	5.22	71	5891	3	0.59	8.38	20	60	*	0.04	0.07	0.05	4	40	664

*: Not sampled on this run

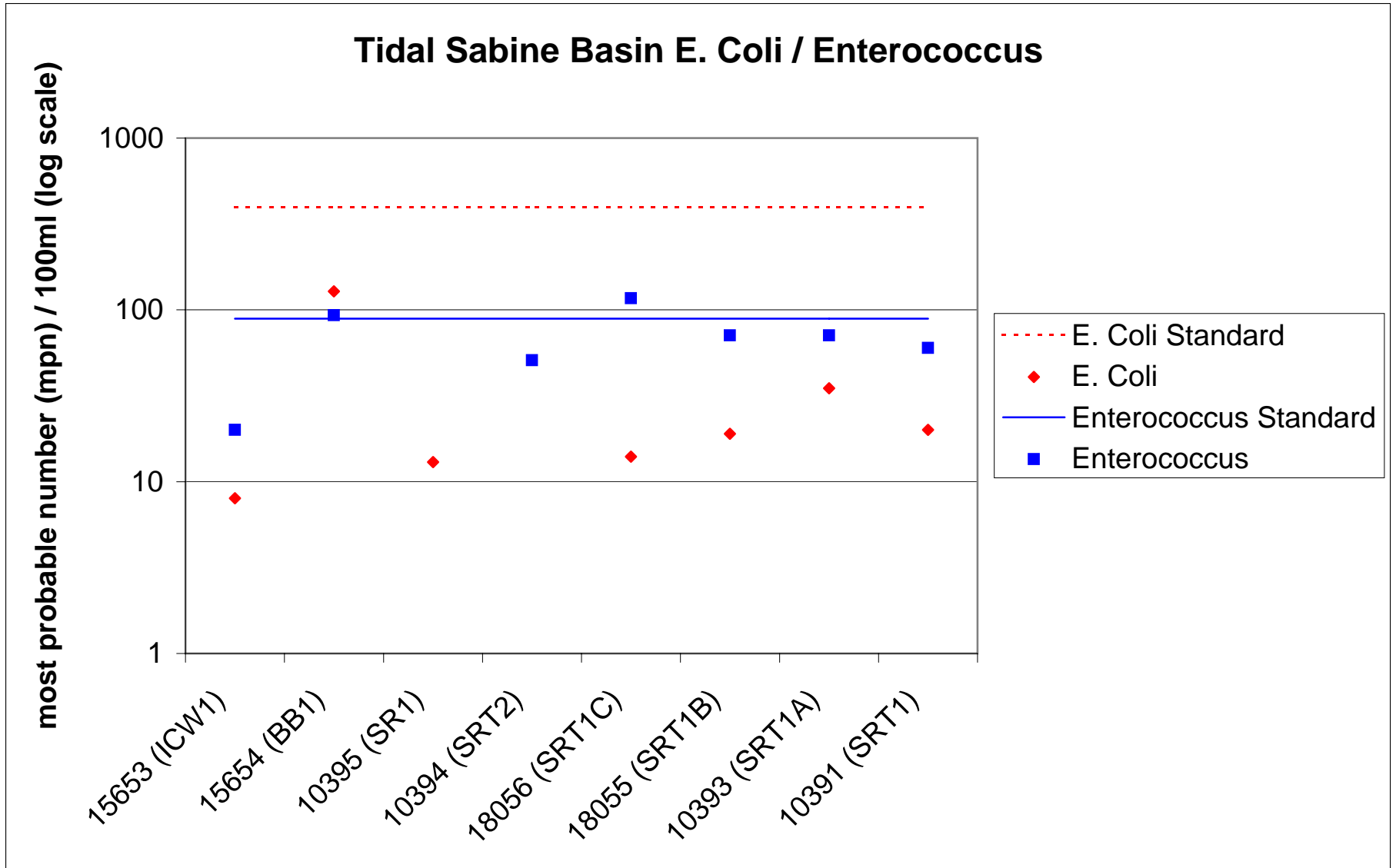
SABINE RIVER AUTHORITY OF TEXAS

July 2005



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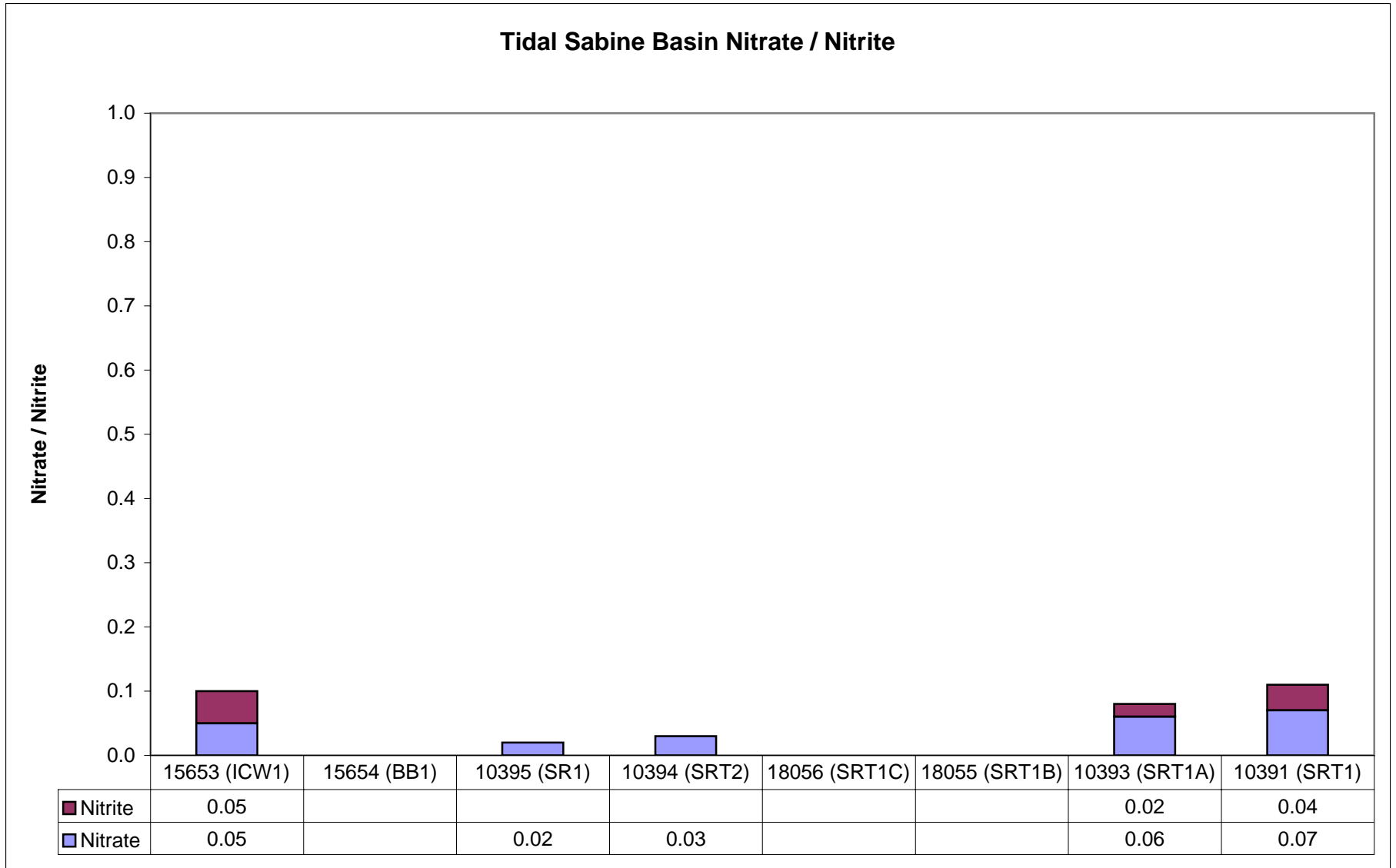
July 2005



Stations without values were not sampled on this run (see page 38).

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July 2005



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Tidal Profiles

July 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
7/14/05 11:00 AM	1.05	15653 (ICW1)	0.3	30.9	7.1	5.55	77	8738	5
			6.2	31.1	7.15	5.28	74	9245	5
7/14/05 11:45 AM	1.01	15654 (BB1)	0.3	30.4	6.88	4.46	55	10700	6
			5.2	30.4	6.86	3.88	54	10690	6
7/14/05 9:40 AM	1.00	10394 (SRT2)	0.3	29.6	6.68	4.91	64	236	< 1
			4	29.6	6.57	4.74	62	306	< 1
			7.5	29.5	6.43	3.99	52	1112	< 1
7/14/05 10:05 AM	1.00	18056 (SRT1C)	0.3	29.6	6.9	4.68	61	978	< 1
			5	29.3	6.95	3.18	44	6248	3
			11.5	30.4	7.14	1.38	20	23850	14
7/14/05 10:25 AM	1.00	18055 (SRT1B)	0.3	30	6.97	5.13	66	2635	1
			4	30.6	6.98	4.29	59	6375	4
			7.2	30.5	7.07	2.38	33	18250	11
7/14/05 11:20 AM	1.00	10393 (SRT1A)	0.3	30.1	6.95	5.41	73	4653	2
			7.5	30.5	7.16	2.63	37	18980	11
7/14/05 11:30 AM	1.00	10391 (SRT1)	0.3	30.1	7.13	5.22	71	5891	3
			4	30.6	7.05	4.27	59	8273	5
			8.1	30.5	7.24	3.01	42	19580	12

SABINE RIVER AUTHORITY OF TEXAS

Orange Weather and River Data

July 2005

Date	310 (Orange) Rainfall	Gauge Height	GH - FS	Max Temp	Min Temp	Cur Temp	293 (GCD) Rainfall
7/1/2005	OUT	OUT	OUT	96	74	78	0.00
7/2/2005	OUT	OUT	OUT	98	77	78	0.00
7/3/2005	OUT	OUT	OUT	97	77	81	0.00
7/4/2005	OUT	OUT	OUT	94	72	76	0.00
7/5/2005	OUT	OUT	OUT	94	72	75	0.82
7/6/2005	OUT	OUT	OUT	92	74	74	0.04
7/7/2005	OUT	OUT	OUT	90	71	73	1.00
7/8/2005	OUT	OUT	OUT	91	71	72	0.10
7/9/2005	OUT	OUT	OUT	87	72	73	0.00
7/10/2005	OUT	OUT	OUT	88	72	73	0.12
7/11/2005	OUT	OUT	OUT	93	71	71	0.00
7/12/2005	OUT	OUT	OUT	94	71	73	0.00
7/13/2005	OUT	OUT	OUT	91	73	75	0.00
7/14/2005	OUT	OUT	OUT	92	75	76	0.09
7/15/2005	OUT	OUT	OUT	83	73	73	2.75
7/16/2005	OUT	OUT	OUT	82	73	76	0.82
7/17/2005	OUT	OUT	OUT	84	73	76	0.38
7/18/2005	OUT	OUT	OUT	86	74	75	2.10
7/19/2005	OUT	OUT	OUT	92	68	75	0.09
7/20/2005	OUT	OUT	OUT	91	75	78	0.00
7/21/2005	OUT	OUT	OUT	89	74	75	0.00
7/22/2005	OUT	OUT	OUT	91	74	74	0.12
7/23/2005	OUT	OUT	OUT	82	68	69	1.00
7/24/2005	OUT	OUT	OUT	93	63	75	0.00
7/25/2005	OUT	OUT	OUT	94	75	76	0.01
7/26/2005	OUT	OUT	OUT	94	76	76	0.00
7/27/2005	OUT	OUT	OUT	93	74	74	0.00
7/28/2005	OUT	OUT	OUT	93	71	77	0.00
7/29/2005	OUT	OUT	OUT	94	74	70	0.00
7/30/2005	OUT	OUT	OUT	91	72	67	0.00
7/31/2005	OUT	OUT	OUT	90	68	73	0.00
Avg or Tot	OUT	OUT	OUT	91	72	74	9.44

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

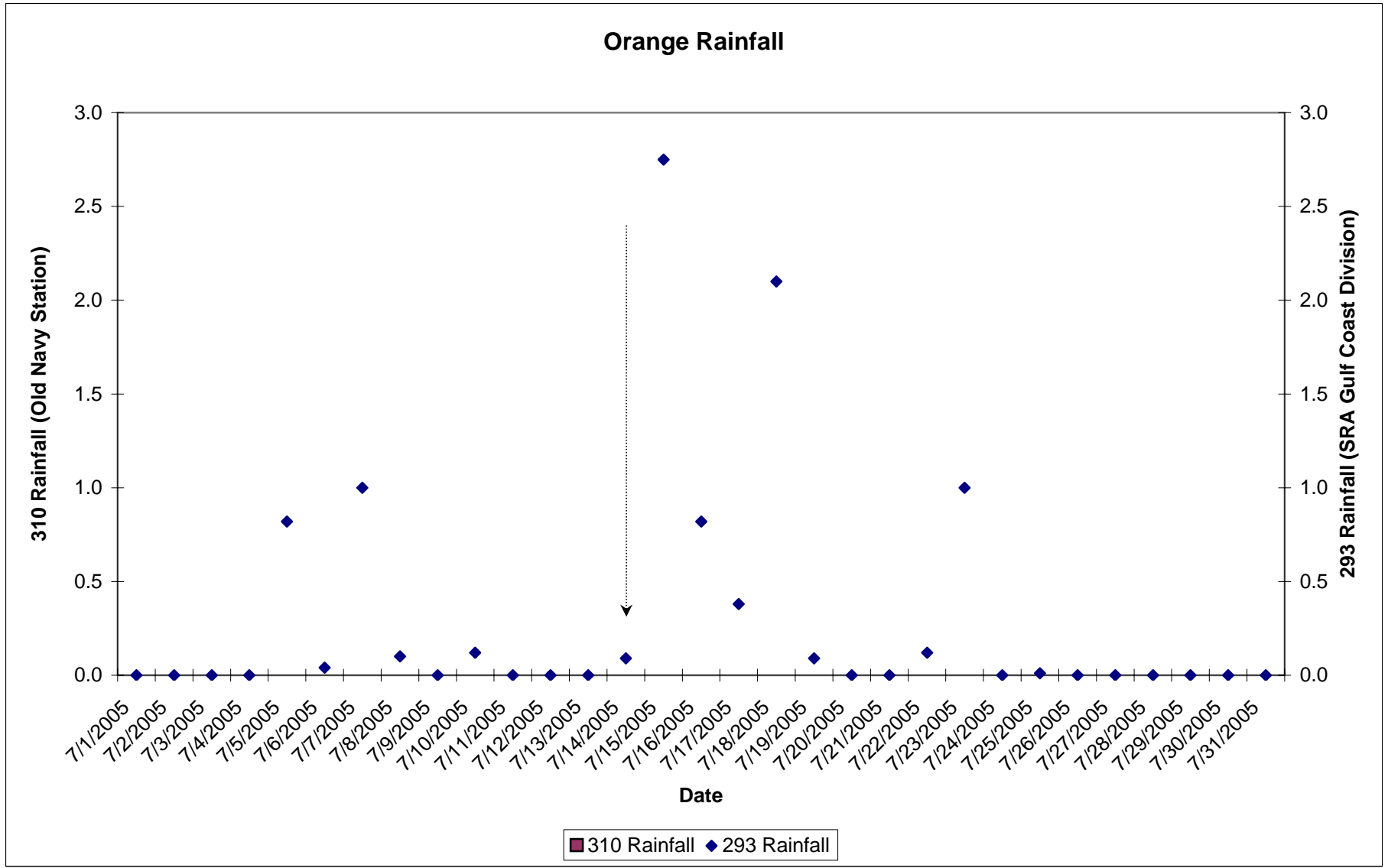
OUT: Gage Out

Tidal Sabine Basin Sampled on 7/14/2005

Values measured by SRA-TX

SABINE RIVER AUTHORITY OF TEXAS

July 2005



Tidal Sabine Basin Sampled on 7/14/2005