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**SABINE RIVER AUTHORITY OF TEXAS**

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

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This is the Sabine River Authority Water Quality Report for June 2005. Water quality sampling was performed June 13<sup>th</sup> through June 16<sup>th</sup>. Recent weather (previous seven days) in the Sabine River Basin was warm, with daytime highs from the upper 80s to the mid 90s at Lake Tawakoni and at Lake Fork. Toledo Bend Reservoir and Orange had daytime highs from the low 80's to the lower 90s. Lows ranged from the upper 60s to the mid 70's at Lake Tawakoni and at Lake Fork. Toledo Bend and Orange had lows ranging from the mid 60s to the low 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 1.89 and 0.77 inches of rainfall as recorded at Lake Tawakoni and at Lake Fork, respectively. Lake Tawakoni and Lake Fork respectively received 0.44 and 0.02 inches of rainfall the week preceding the sample run. Toledo Bend and Orange both received 4.5 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 402.23 feet msl with 64 cfs releases and the level of Lake Tawakoni was recorded at 435.79 feet msl with 6 cfs releases at the time of sampling. Several Upper Basin sites were beginning to show the effects of a dry spring season on water quality. Station LF3 exceeded the Stream Standards numeric criteria for pH while exceeding 100 percent saturation for dissolved oxygen along with Station LF4. Stations SR22 and SR21 fell below the Stream Standards numeric criteria for dissolved oxygen, and Stations. LT23A, 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 indicates algal bloom conditions. Stations SR21 and SR19 exceeded the Stream Standards numeric criteria for *E. coli* and Stations. LT23D and SR14 exceeded the recommended screening criteria for Ortho-phosphate.

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

The June monthly sampling results were indicative of water of high quality at most sites. The area received two inches of rain during the week of sampling. The level of Toledo Bend Reservoir was recorded at 169.07 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 and anoxic conditions were found at several of the deepest lake stations. Stations TB8, TB7A, TB6K, and TB6LN had a dissolved oxygen percent saturation above the recommended screening criteria. Stations TB7A, TB6LN, TB6K, and TB6F had pH values above the Stream Standards numeric criteria. Several of the stations with elevated pH readings also were supersaturated at the surface. These factors together potentially indicate an algal bloom on the reservoir. Station TB6R 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 that are consistent with water of high quality. Tidal stations received just over 0.8 inches of rainfall the day of sampling. All stations in this section of the Basin showed some stratification, with one station showing anoxic conditions at its deepest depths. Surface salinities were found at Stations ICW1, BB1, SRT1A, and SRT1. The largest salinity value, 12 ppt, was found at Station SRT1C at a depth of 11.4 meters. Station BB1 was below the Stream Standards numeric criteria for dissolved oxygen.

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:

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**SABINE RIVER AUTHORITY OF TEXAS**  
**Monthly Water Quality Report**  
 June 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

**SABINE RIVER AUTHORITY OF TEXAS**

Upper Sabine Basin Report

June 2005

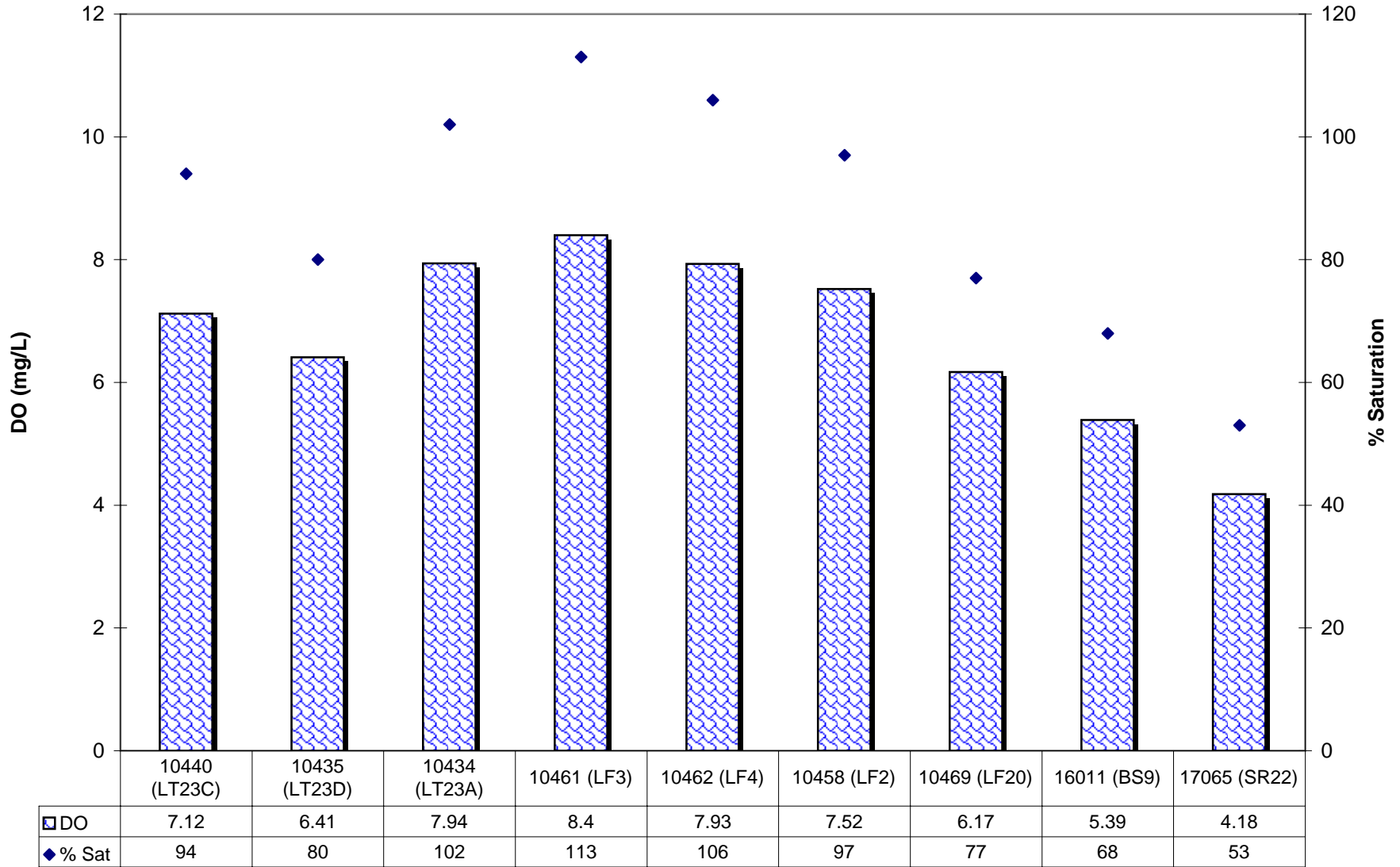
Date	SW ID	Station	Temperature °C 00010	pH Units 00400	DO mg/L 00300	% Saturation 00301	Conductivity µS/cm 00094	Salinity ppt 00480	Secchi Meters 00078	Turbidity NTU 82079	E. coli mpn/100ml 31699	Chlorophyll a µg/L 32211	Nitrite mg/L 00615	Nitrate mg/L 00620	Ortho- Phosphate 00671	TOC mg/L 00680	Total Alkalinity 00410	Total Hardness 00900	Chloride mg/L 00940	Sulfate mg/L 00945
6/14/05 10:50 AM	7.00	10440 (LT23C)	29.1	8.75	7.12	94	200	*	0.58	8.58	< 1	*	< 0.02	< 0.02	< 0.04	6	*	*	< 10	11
6/14/05 11:39 AM	7.00	10435 (LT23D)	28.7	8.45	6.41	80	215	*	0.57	15.1	16	*	< 0.02	< 0.02	0.15	7	*	*	< 10	11.7
6/14/05 12:30 PM	7.00	10434 (LT23A)	27.5	8.64	7.94	102	198	*	1.16	2.76	< 1	22	< 0.02	< 0.02	< 0.04	6	*	*	< 10	11.3
6/14/05 2:19 PM	6.12	10461 (LF3)	30.2	9.01	8.4	113	177	*	1.27	3.04	< 1	19	< 0.02	< 0.02	< 0.04	7	*	*	18.3	20
6/14/05 2:00 PM	6.12	10462 (LF4)	29.8	8.63	7.93	106	171	*	1.55	1.98	< 1	9	< 0.02	< 0.02	< 0.04	6	*	*	17.2	21.1
6/14/05 2:54 PM	6.12	10458 (LF2)	27.8	8.15	7.52	97	168	*	1.76	1.55	< 1	9	< 0.02	< 0.02	< 0.04	7	*	*	17.2	20.5
6/14/05 8:54 AM	6.10	10469 (LF20)	26.2	7.2	6.17	77	175	*	0.23	50.3	111	*	< 0.02	0.07	< 0.04	6	*	*	18.8	20.6
6/15/05 6:15 AM	6.02	16011 (BS9)	26.6	6.76	5.39	68	111	*	0.51	16.4	161	*	< 0.02	< 0.02	< 0.04	4	*	*	16.9	< 10
6/14/05 9:54 AM	6.00	17065 (SR22)	27.1	7.39	4.18	53	342	*	0.19	70.3	24	20	< 0.02	0.13	0.08	6	*	*	28.7	31.5
6/14/05 9:16 AM	6.00	10430 (SR21)	25.1	7.08	4.5	55	388	*	0.16	93.8	816	*	< 0.02	0.18	< 0.04	9	*	*	62.6	32.8
6/14/05 8:29 AM	6.00	10429 (SR19)	27.7	7.36	5.92	76	278	*	0.24	60.2	488	30	< 0.02	0.08	< 0.04	6	*	*	35.6	31.5
6/15/05 6:49 AM	5.00	10428 (SR17)	30.1	7.35	6.42	86	246	*	0.26	45.7	46	*	< 0.02	< 0.02	< 0.04	6	*	*	31.1	25.2
6/15/05 7:25 AM	5.00	10427 (SR16)	30.4	7.11	5.04	68	299	*	0.26	47.3	19	*	< 0.02	0.06	< 0.04	6	*	*	42.2	27.4
6/15/05 7:50 AM	5.00	10426 (SR15)	30.4	7.24	5.94	80	320	*	0.26	47	10	*	< 0.02	< 0.02	< 0.04	9	*	*	49.2	29.2
6/15/05 8:20 AM	5.00	10423 (SR14)	29.6	7.29	6.25	83	357	*	0.26	39.2	34	*	< 0.02	1.39	0.79	7	*	*	53.3	30.6
6/15/05 9:40 AM	5.00	13628 (SR11)	30.6	8.1	6.54	89	587	*	0.37	24.7	9	*	0.02	0.68	< 0.04	9	*	*	86	64.4
6/15/05 10:15 AM	5.00	10415 (SR10)	31.5	7.77	7.19	99	485	*	0.37	22.6	26	*	< 0.02	< 0.02	< 0.04	10	*	*	66.4	53.5

\*: Not sampled on this run

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June 2005

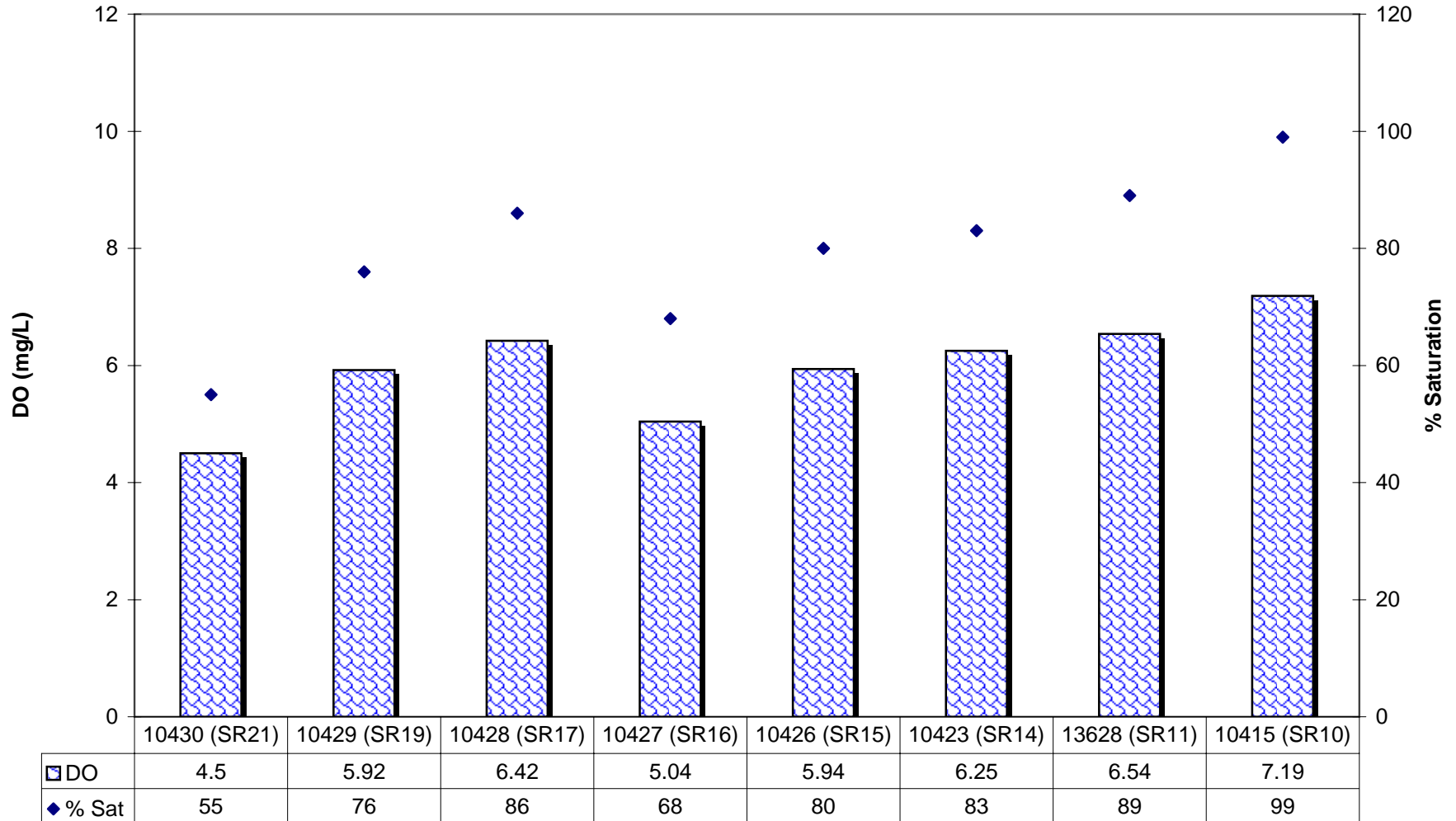
## Upper Sabine Basin DO / % Saturation (1 of 2)



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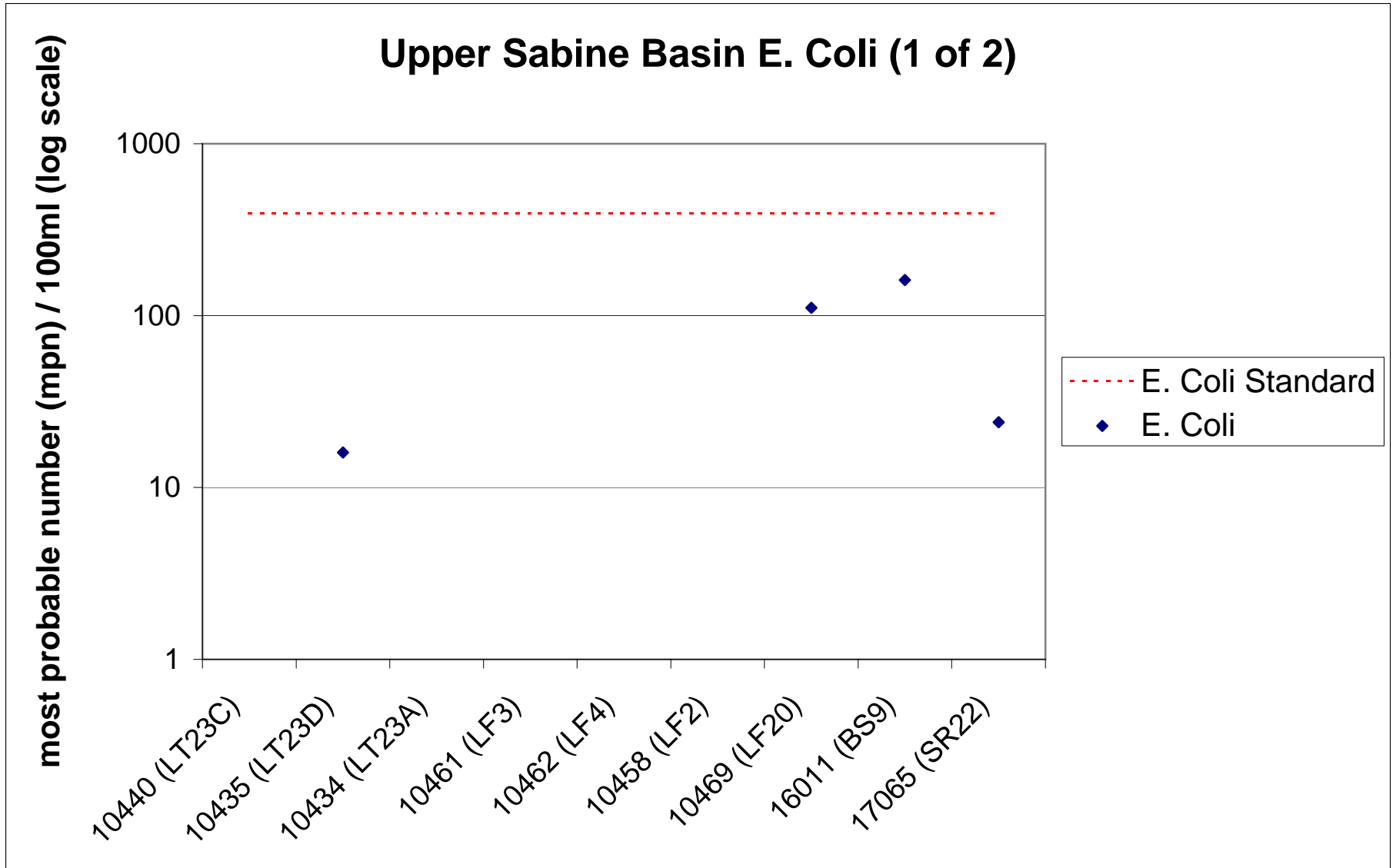
## Upper Sabine Basin DO / % Saturation (2 of 2)





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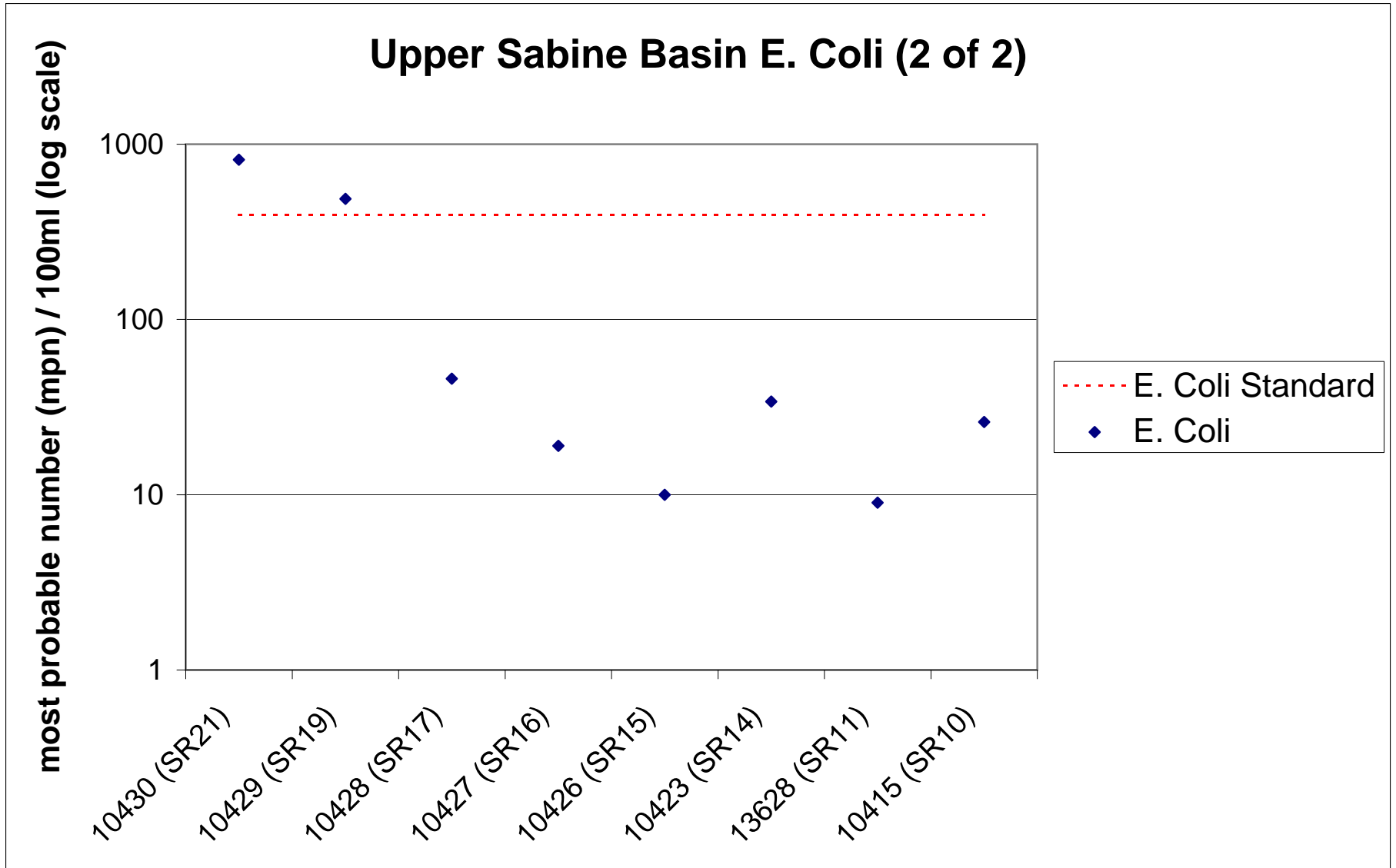
June 2005



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

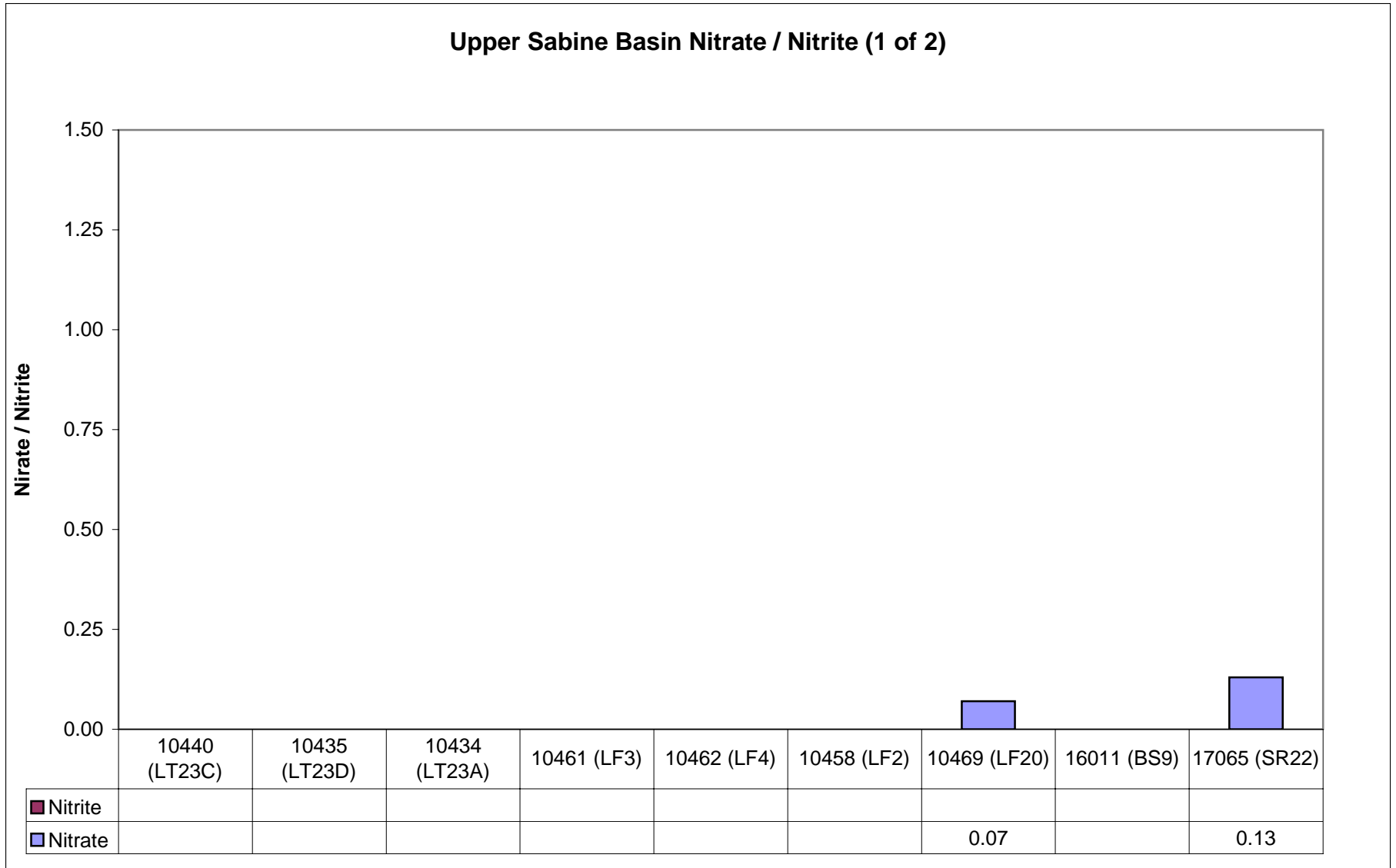
# SABINE RIVER AUTHORITY OF TEXAS

June 2005



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June 2005

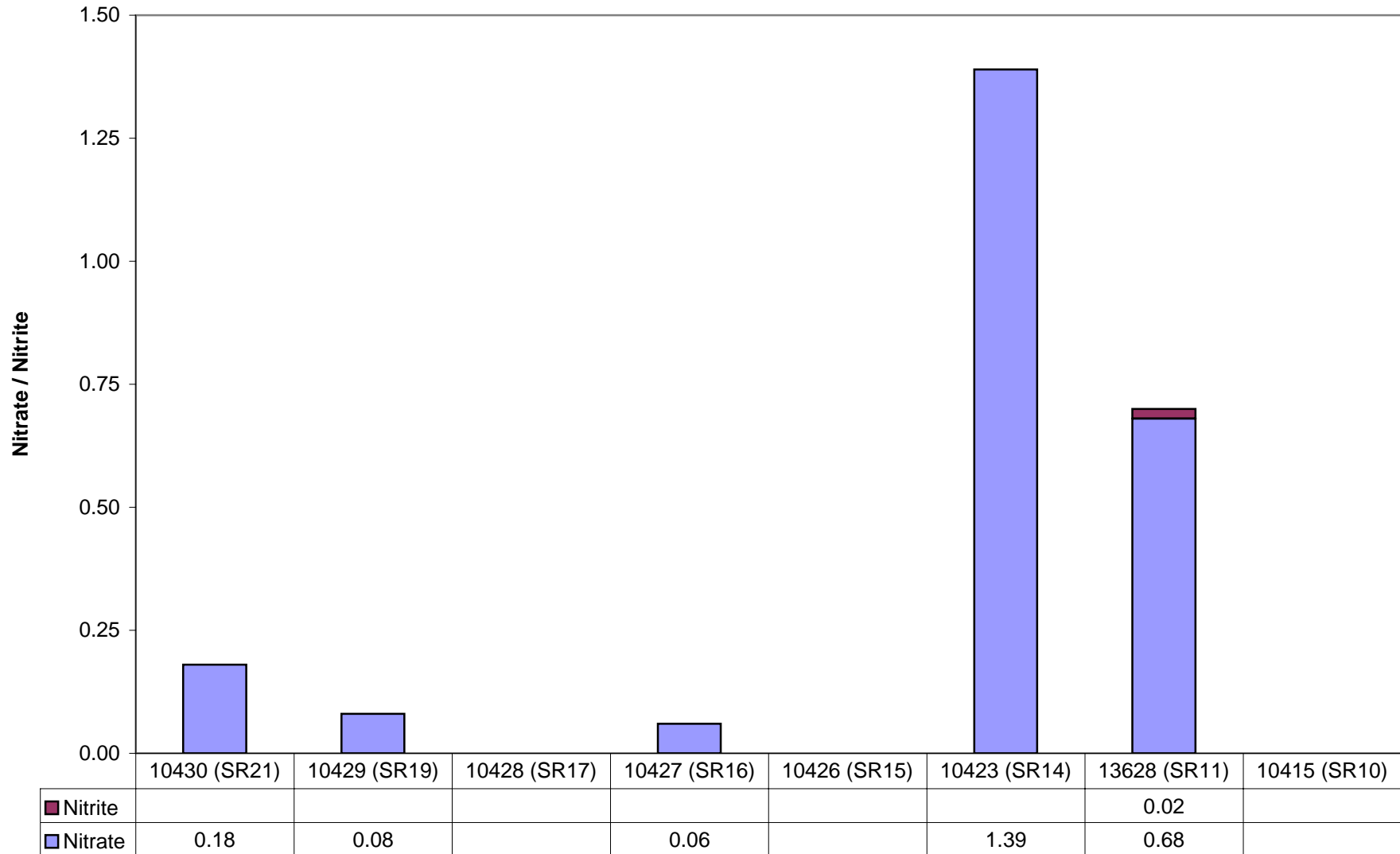


Stations without values below detection limit (< 0.02 mg/L) on this run (see page 2)

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## Upper Sabine Basin Nitrate / Nitrite (2 of 2)



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

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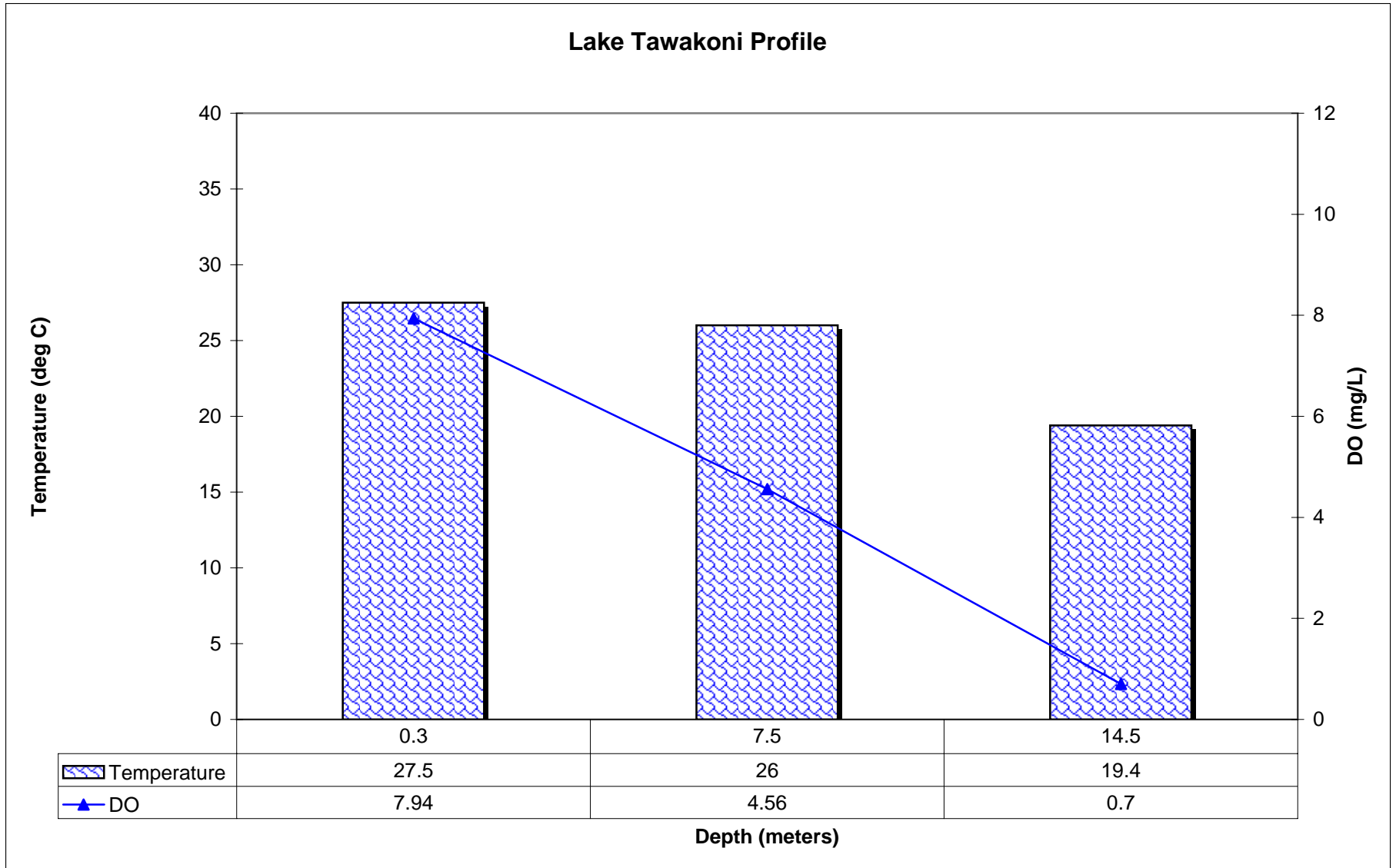
## Upper Basin Profiles

June 2005

Date	SW ID	Station	Depth Meters	Temperature °C 00010	pH Units 00400	DO mg/L 00300	% Saturation 00301	Conductivity μS/cm 00094
6/14/05 10:50 AM	7.00	10440 (LT23C)	0.3	29.1	8.75	7.12	94	200
			1.8	28.8	8.66	6.59	86	201
			3.5	28.3	8.35	5.06	66	202
6/14/05 11:39 AM	7.00	10435 (LT23D)	0.3	28.7	8.45	6.41	80	215
			4.7	28.5	8.43	6.41	84	212
			8.4	28.4	8.39	6.06	79	210
6/14/05 12:30 PM	7.00	10434 (LT23A)	0.3	27.5	8.64	7.94	102	198
			7.5	26	7.71	4.56	57	200
			14.5	19.4	7.13	0.7	8	210
6/14/05 2:19 PM	6.12	10461 (LF3)	0.3	30.2	9.01	8.4	113	177
			5.8	28.1	7.94	6.28	82	174
			9.3	22.6	7.03	1.1	13	188
6/14/05 2:00 PM	6.12	10462 (LF4)	0.3	29.8	8.63	7.93	106	171
			5	27.8	8.02	6.81	88	172
			11.1	19.4	7.01	0.32	4	182
6/14/05 2:54 PM	6.12	10458 (LF2)	0.3	27.8	8.15	7.52	97	168
			6.6	25.9	7	3.89	49	168
			17.5	16.7	7.05	0.47	5	183

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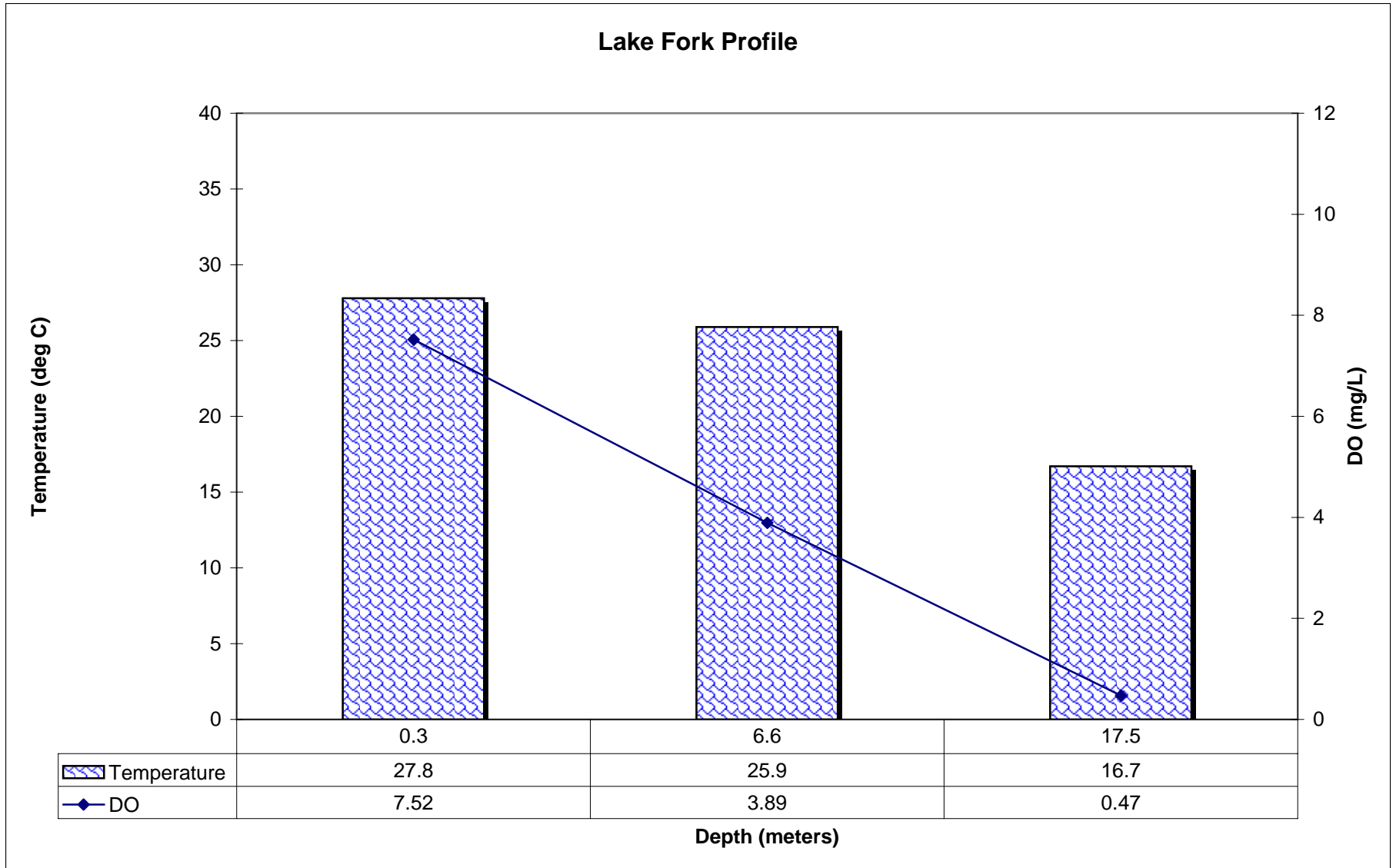
June 2005



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

June 2005

Date	Lake Elev	LE - TOP	Releases inst	Max Temp	Min Temp	Rainfall	Evap
6/1/2005	436.16	(1.34)	6	81	68	0.06	0.15
6/2/2005	436.13	(1.37)	6	84	66	0.00	0.22
6/3/2005	436.10	(1.40)	6	89	66	0.00	0.33
6/4/2005	436.06	(1.44)	6	86	70	0.00	0.22
6/5/2005	436.03	(1.47)	6	90	72	0.00	0.30
6/6/2005	436.01	(1.49)	6	91	72	0.00	0.38
6/7/2005	435.97	(1.53)	6	92	72	0.00	0.40
6/8/2005	435.94	(1.56)	6	93	73	0.00	0.28
6/9/2005	435.91	(1.59)	6	92	74	0.00	0.38
6/10/2005	435.87	(1.63)	6	92	72	0.00	0.37
6/11/2005	435.84	(1.66)	6	92	73	0.00	0.31
6/12/2005	435.81	(1.69)	6	92	72	0.00	0.07
6/13/2005	435.76	(1.74)	6	92	71	0.00	NR
6/14/2005	435.79	(1.71)	6	89	69	0.44	0.27
6/15/2005	435.76	(1.74)	6	93	70	0.00	0.35
6/16/2005	435.72	(1.78)	6	96	73	0.00	0.12
6/17/2005	435.68	(1.82)	6	99	72	0.00	0.36
6/18/2005	435.64	(1.86)	6	95	72	0.00	0.29
6/19/2005	435.60	(1.90)	6	86	67	0.00	0.29
6/20/2005	435.56	(1.94)	6	93	66	0.00	0.42
6/21/2005	435.53	(1.97)	6	90	67	0.00	0.38
6/22/2005	435.49	(2.01)	6	90	66	0.00	0.32
6/23/2005	435.45	(2.05)	6	93	68	0.00	0.34
6/24/2005	435.41	(2.09)	6	96	71	0.00	0.32
6/25/2005	435.38	(2.12)	6	96	72	0.00	0.33
6/26/2005	435.34	(2.16)	6	98	72	0.00	0.36
6/27/2005	435.30	(2.20)	6	96	71	0.00	0.50
6/28/2005	435.26	(2.24)	6	98	71	0.00	0.37
6/29/2005	435.22	(2.28)	6	99	72	0.00	0.38
6/30/2005	435.18	(2.32)	6	98	74	0.00	0.38
<b>Avg or Tot</b>	435.70	(1.80)	6	92	70	0.50	9.19

	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 6/14/2005

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](http://waterdata.usgs.gov/tx/nwis/dv/?site_no=08017400&agency_cd=USGS)

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

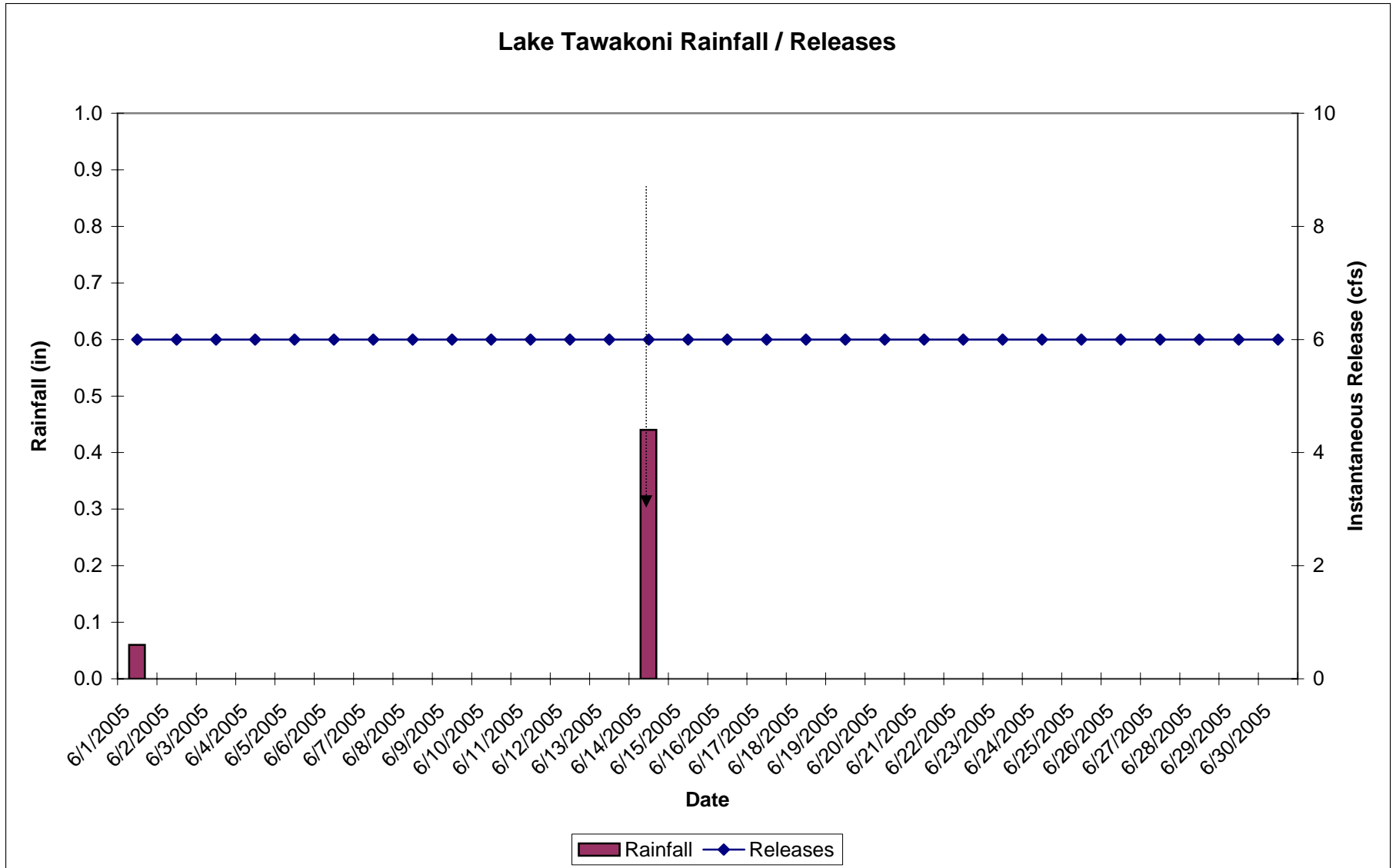
Other values measured by SRA-TX

NR: No Reading



# SABINE RIVER AUTHORITY OF TEXAS

June 2005



Please Note : Lake Tawakoni has an uncontrolled spillway.

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## Lake Fork Weather and Reservoir Data

June 2005

Date	Lake Elev	LE - TOP	Releases avg	Releases cur	Max Temp	Min Temp	Rainfall	Evap
6/1/2005	402.49	(0.51)	8	64	86	66	0.00	0.16
6/2/2005	402.47	(0.53)	64	64	88	65	0.00	0.24
6/3/2005	402.45	(0.55)	64	64	93	68	0.00	0.33
6/4/2005	402.43	(0.57)	64	64	90	72	0.00	0.37
6/5/2005	402.41	(0.59)	64	64	92	73	0.00	0.24
6/6/2005	402.41	(0.59)	64	64	92	70	0.00	0.36
6/7/2005	402.41	(0.59)	64	64	95	72	0.00	0.31
6/8/2005	402.40	(0.60)	64	64	96	72	0.00	0.37
6/9/2005	402.37	(0.63)	64	64	95	74	0.00	0.33
6/10/2005	402.33	(0.67)	64	64	96	72	0.00	0.26
6/11/2005	402.30	(0.70)	64	64	94	72	0.00	0.40
6/12/2005	402.28	(0.72)	64	64	95	71	0.00	0.32
6/13/2005	402.25	(0.75)	64	64	95	72	0.00	0.42
6/14/2005	402.23	(0.77)	64	64	91	70	0.02	0.30
6/15/2005	402.21	(0.79)	64	64	99	70	0.00	0.32
6/16/2005	402.19	(0.81)	64	64	100	72	0.00	0.37
6/17/2005	402.16	(0.84)	64	64	100	72	0.00	0.42
6/18/2005	402.14	(0.86)	64	64	97	70	0.02	0.27
6/19/2005	402.12	(0.88)	64	64	90	65	0.00	0.22
6/20/2005	402.09	(0.91)	64	64	96	67	0.00	0.45
6/21/2005	402.07	(0.93)	64	64	94	64	0.00	0.37
6/22/2005	402.05	(0.95)	64	64	94	68	0.00	0.32
6/23/2005	402.05	(0.95)	64	64	98	70	0.00	0.35
6/24/2005	402.02	(0.98)	64	64	98	72	0.02	0.25
6/25/2005	401.98	(1.02)	64	64	99	71	0.00	0.37
6/26/2005	401.95	(1.05)	64	64	99	72	0.00	0.33
6/27/2005	401.93	(1.07)	64	64	98	70	0.00	0.33
6/28/2005	401.91	(1.09)	64	64	100	72	0.00	0.37
6/29/2005	401.90	(1.10)	64	64	100	73	0.00	0.39
6/30/2005	401.90	(1.10)	64	64	101	76	0.00	0.38
<b>Avg or Tot</b>	402.20	(0.80)	62	64	95	70	0.06	9.92

	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.

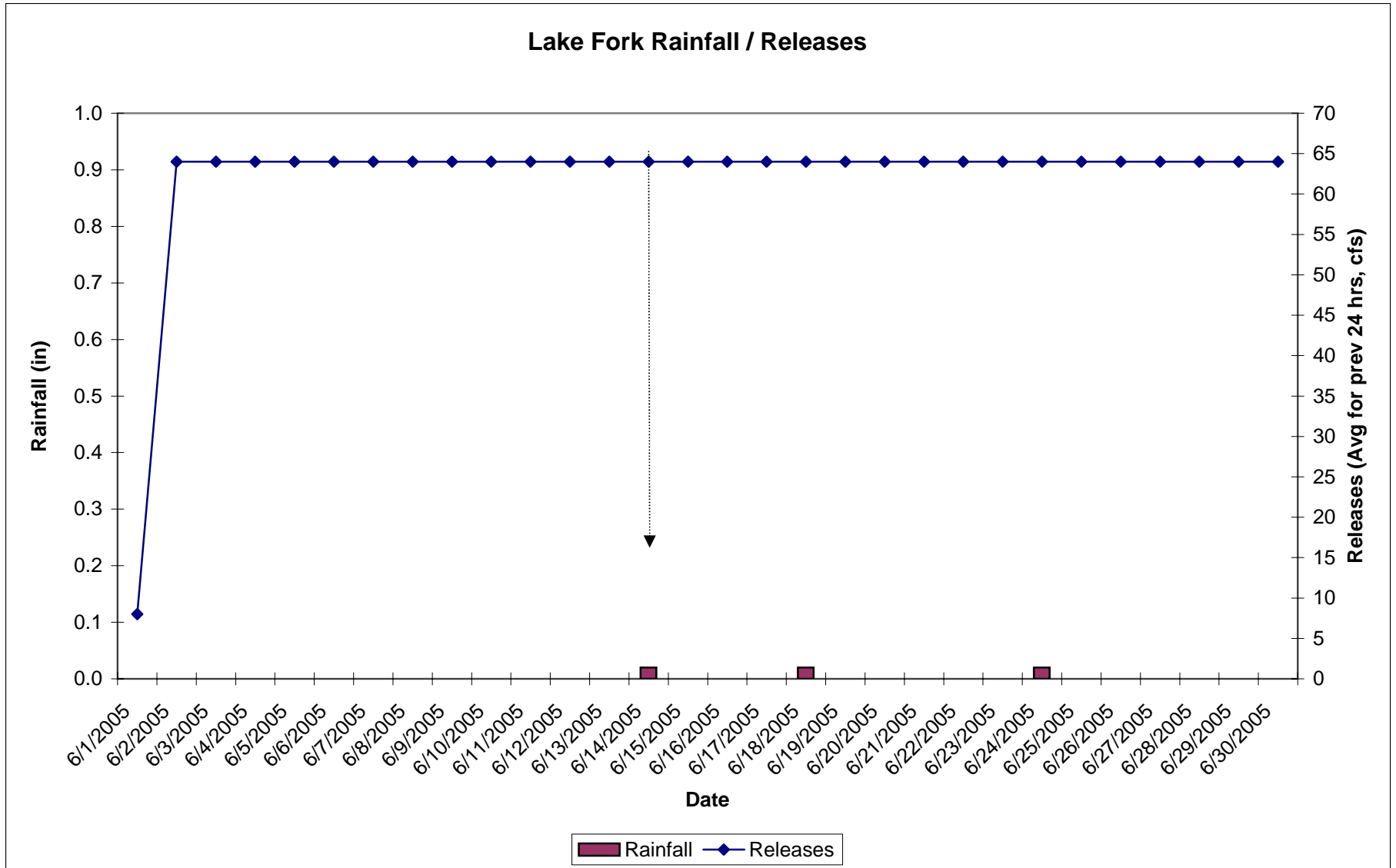
Lake Fork Sampled on 6/14/2005

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](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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June 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

June 2005

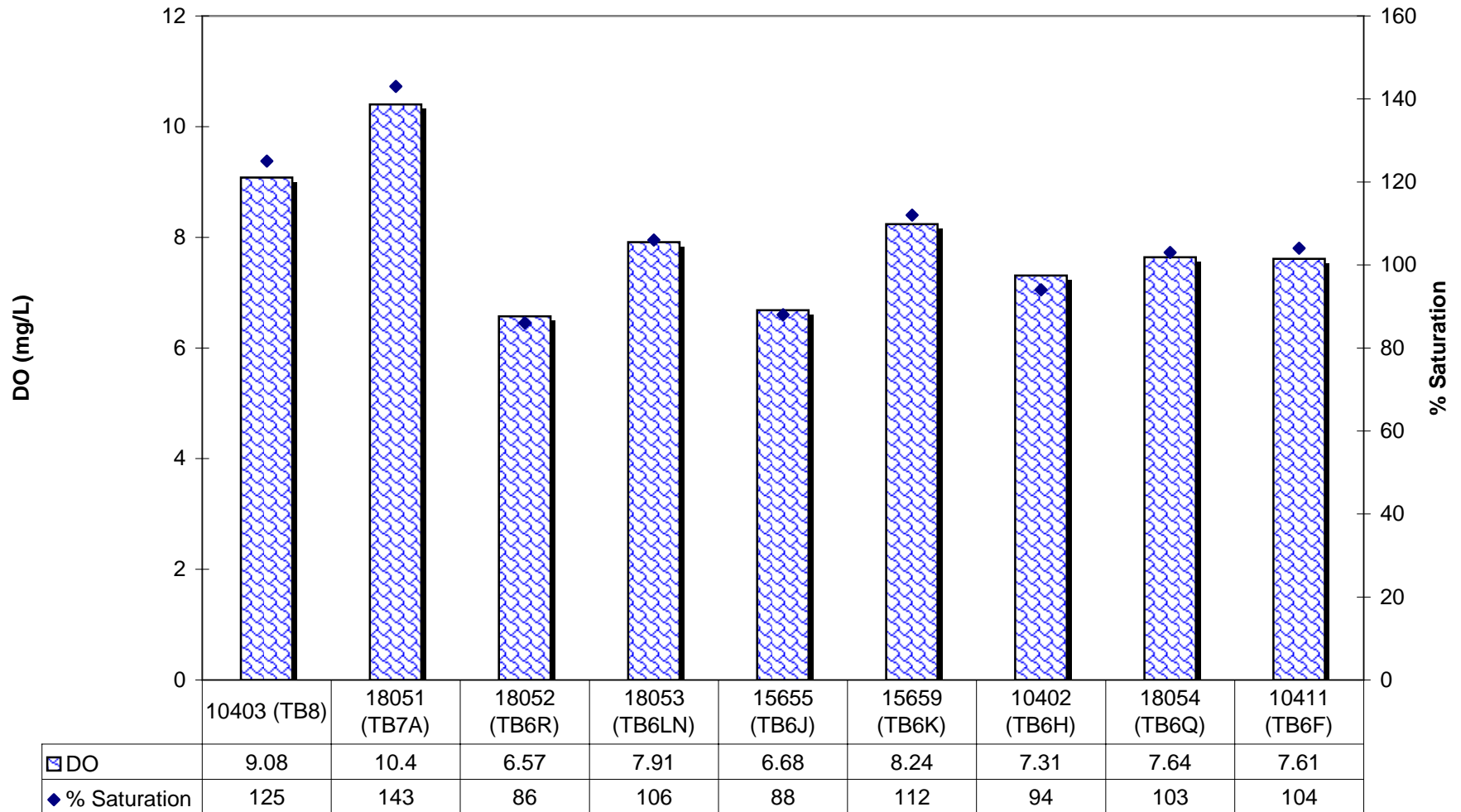
Date	SW ID	Station	Temperature °C 00010	pH Units 00400	DO mg/L 00300	% Saturation 00301	Conductivity µS/cm 00094	Salinity ppt 00480	Secchi Meters 00078	Turbidity NTU 82079	<i>E. coli</i> mpn/100ml 31699	Chlorophyll a µg/L 32211	Nitrite mg/L 00615	Nitrate mg/L 00620	Ortho- Phosphate 00671	TOC mg/L 00680	Total Alkalinity 00410	Total Hardness 00900	Chloride mg/L 00940	Sulfate mg/L 00945
6/15/05 11:07 AM	4.00	10403 (TB8)	31.3	8.27	9.08	125	276	*	0.38	20.6	23	*	< 0.02	< 0.02	< 0.04	9	*	*	38.6	30.1
6/15/05 11:40 AM	4.00	18051 (TB7A)	31.3	8.84	10.4	143	375	*	0.57	8.53	4	*	< 0.02	< 0.02	< 0.04	8	*	*	54.3	42.9
6/13/05 9:55 AM	4.00	18052 (TB6R)	29.2	7.64	6.57	86	193	*	0.72	4.14	< 1	28	< 0.02	0.02	< 0.04	9	*	*	23	21.3
6/13/05 11:55 AM	4.00	18053 (TB6LN)	30.8	8.56	7.91	106	159	*	0.76	3.58	1	*	< 0.02	< 0.02	< 0.04	8	*	*	18.4	18.8
6/14/05 10:42 AM	4.00	15655 (TB6J)	30.3	7.87	6.68	88	174	*	0.54	7.23	10	*	< 0.02	< 0.02	< 0.04	7	*	*	18.6	21.5
6/14/05 12:25 PM	4.00	15659 (TB6K)	31.4	8.9	8.24	112	169	*	0.77	3.39	< 1	*	< 0.02	0.04	< 0.04	8	*	*	18.8	20.5
6/14/05 11:20 AM	4.00	10402 (TB6H)	28.7	8.09	7.31	94	169	*	1.25	2.08	< 1	20	< 0.02	< 0.02	< 0.04	8	*	*	18.9	19.4
6/13/05 12:36 PM	4.00	18054 (TB6Q)	30.8	8.3	7.64	103	148	*	1.24	2.02	< 1	*	< 0.02	< 0.02	< 0.04	7	*	*	16.5	17.8
6/14/05 11:03 AM	4.00	10411 (TB6F)	31.6	8.56	7.61	104	130	*	0.68	2.92	< 1	*	< 0.02	0.03	< 0.04	6	*	*	12.5	14
6/14/05 9:50 AM	4.00	10407 (TB6CN)	30.2	6.68	5.24	69	139	*	0.63	5.81	2	*	< 0.02	0.04	< 0.04	7	*	*	14.6	14.7
6/13/05 1:35 PM	4.00	10404 (TB6A)	26.6	7.08	8.1	101	136	*	2	1.49	< 1	4	< 0.02	< 0.02	< 0.04	7	*	*	15.2	16.1
6/15/05 12:00 PM	3.03	10340 (BA4)	30	7.33	6.19	82	590	*	0.08	142	3	*	0.02	0.45	0.08	14	*	*	20.2	*
6/15/05 10:20 AM	3.00	10401 (TB6S)	19.3	6.98	9.03	98	136	*	> 1.22	1.83	1	*	< 0.02	0.1	< 0.04	7	*	*	16.1	15.9
6/15/05 11:35 AM	3.00	10399 (SR5)	26.4	7.09	6.81	84	136	*	0.67	2.79	12	8	< 0.02	0.03	< 0.04	7	*	*	16.4	17.3
6/15/05 12:20 PM	3.00	10398 (SR3)	27.4	7.2	7.26	92	144	*	0.36	12.8	8	9	< 0.02	0.04	< 0.04	7	*	*	16	21.1
6/15/05 9:07 AM	2.05	10465 (BCC1)	25.8	6.67	6.93	85	39	*	0.36	21.9	38	*	< 0.02	0.18	< 0.04	14	*	*	< 10	< 10
6/15/05 8:30 AM	2.00	10397 (SR2)	29.3	7.03	6.37	83	159	*	0.25	21.8	2	12	< 0.02	0.06	< 0.04	7	*	*	14.6	25

\*: Not sampled on this run

# SABINE RIVER AUTHORITY OF TEXAS

June 2005

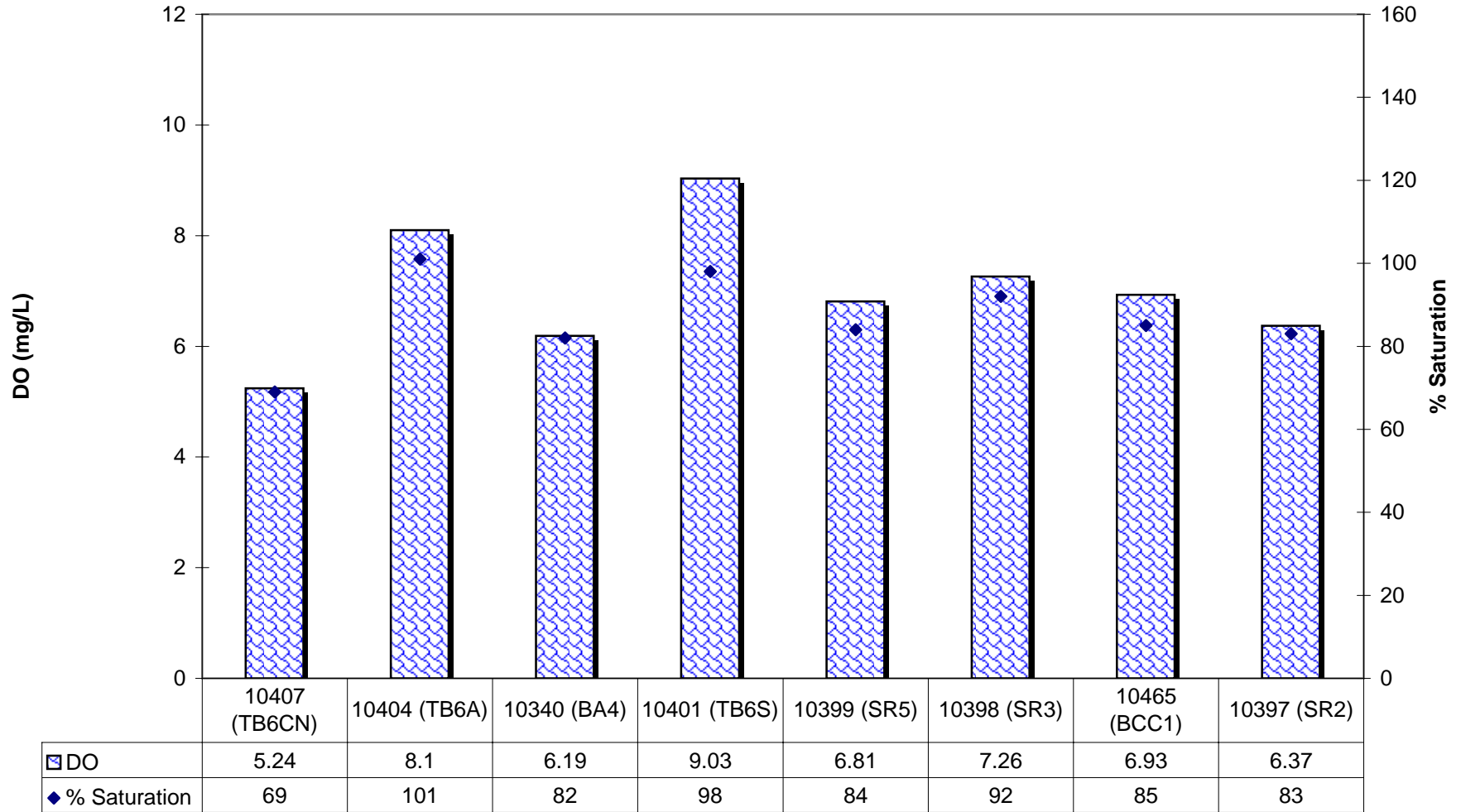
## Lower Sabine Basin DO / % Saturation (1 of 2)



# SABINE RIVER AUTHORITY OF TEXAS

June 2005

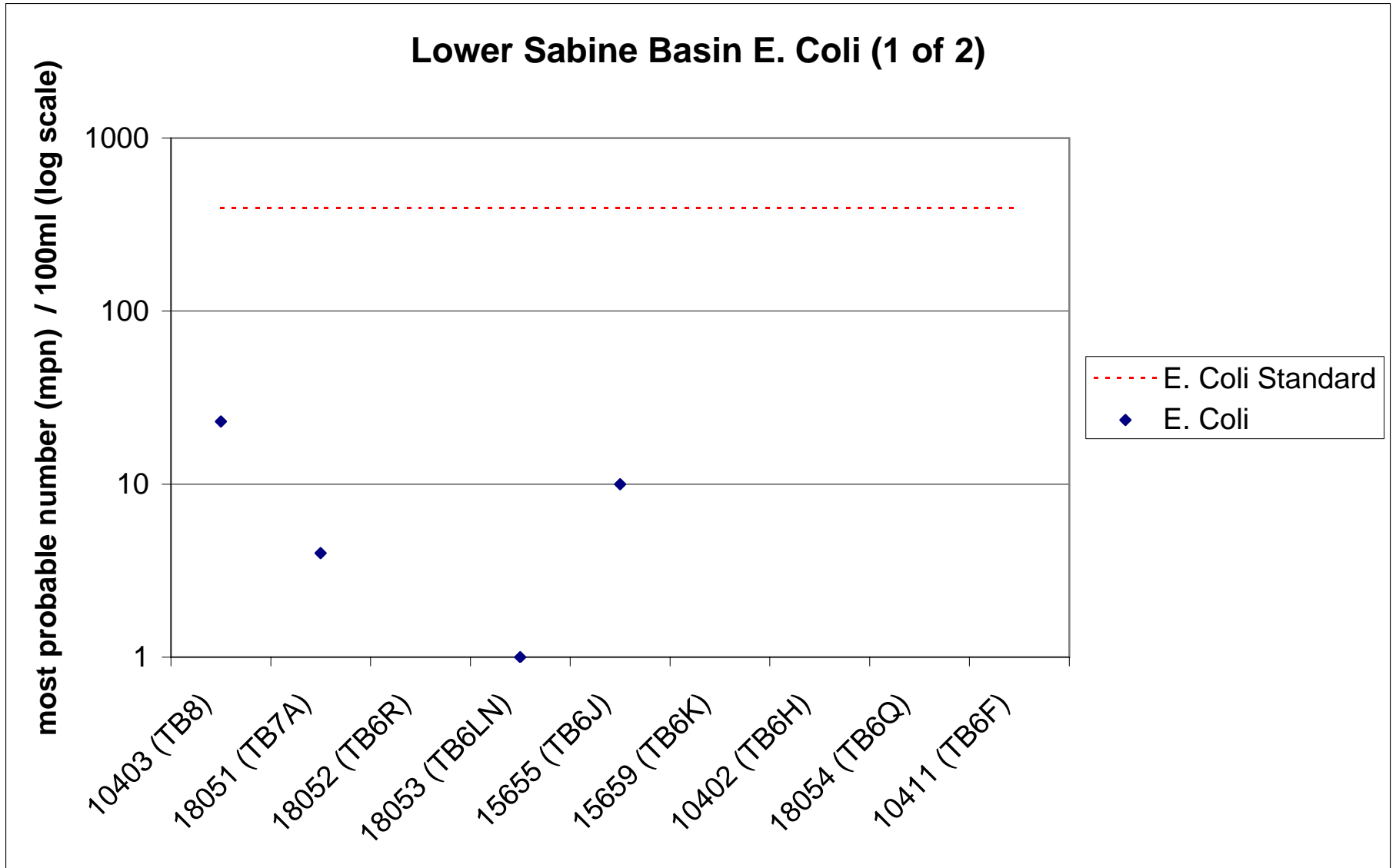
### Lower Sabine Basin DO / % Saturation (2 of 2)





# SABINE RIVER AUTHORITY OF TEXAS

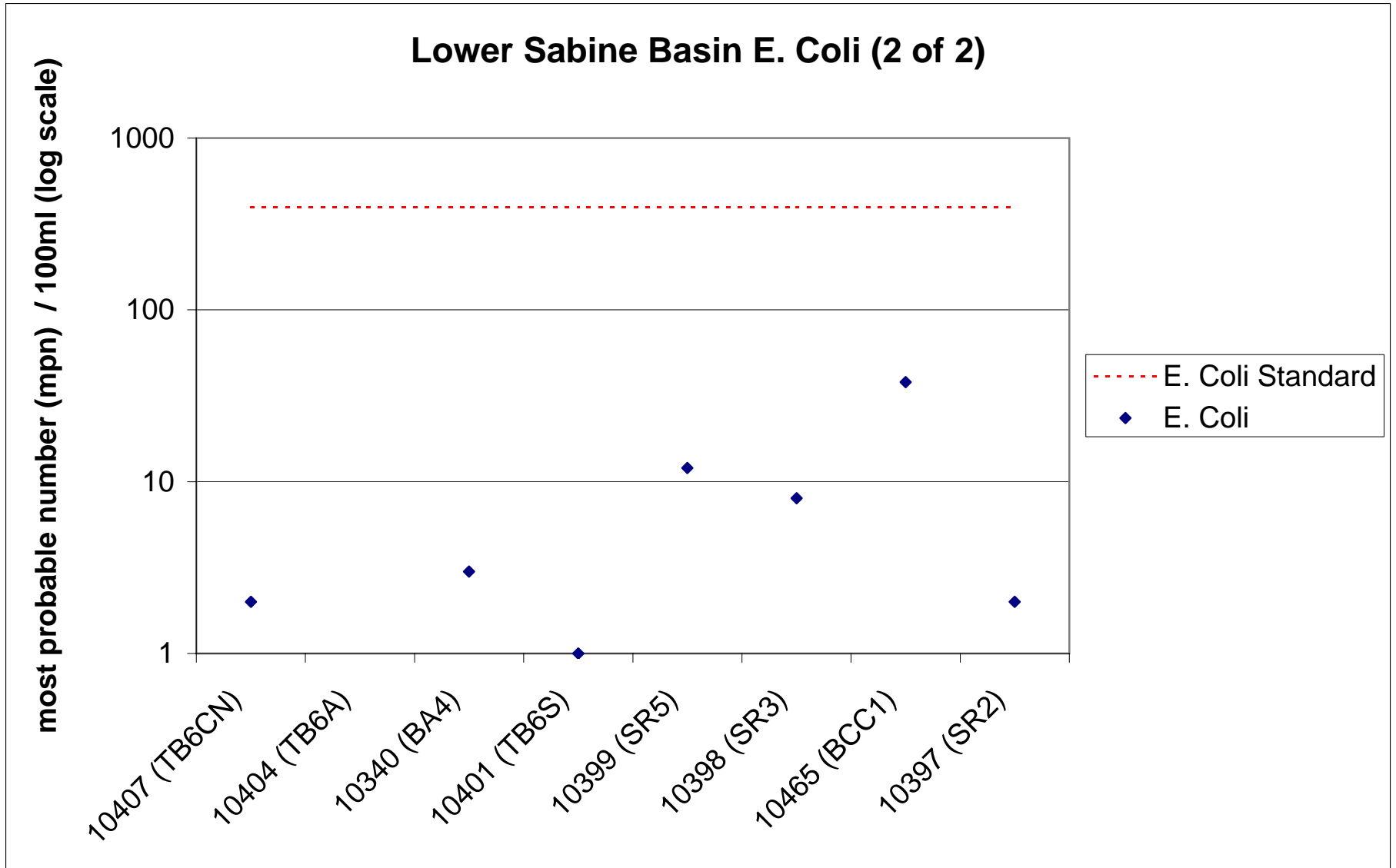
June 2005



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

# SABINE RIVER AUTHORITY OF TEXAS

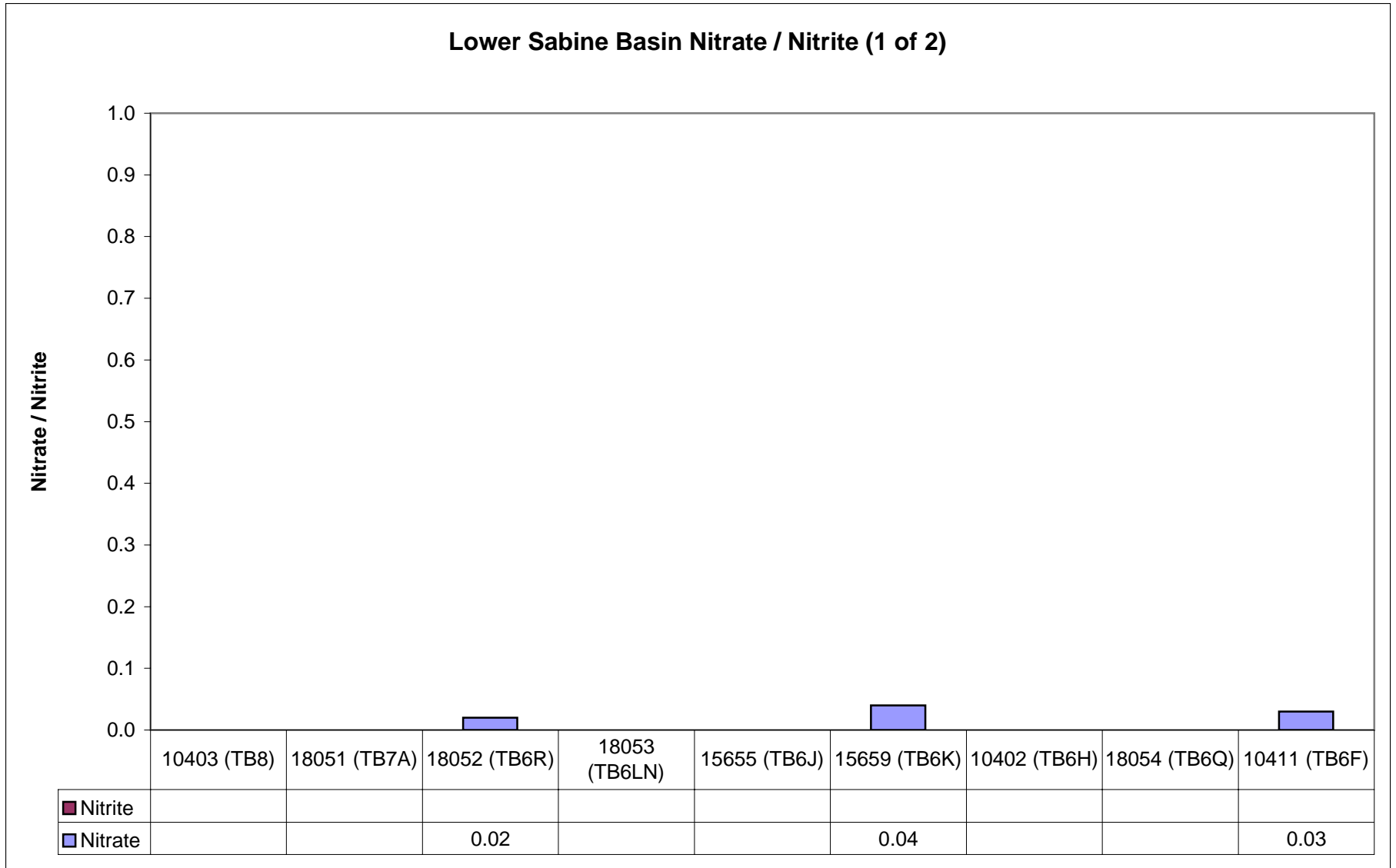
June 2005



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

# SABINE RIVER AUTHORITY OF TEXAS

June 2005

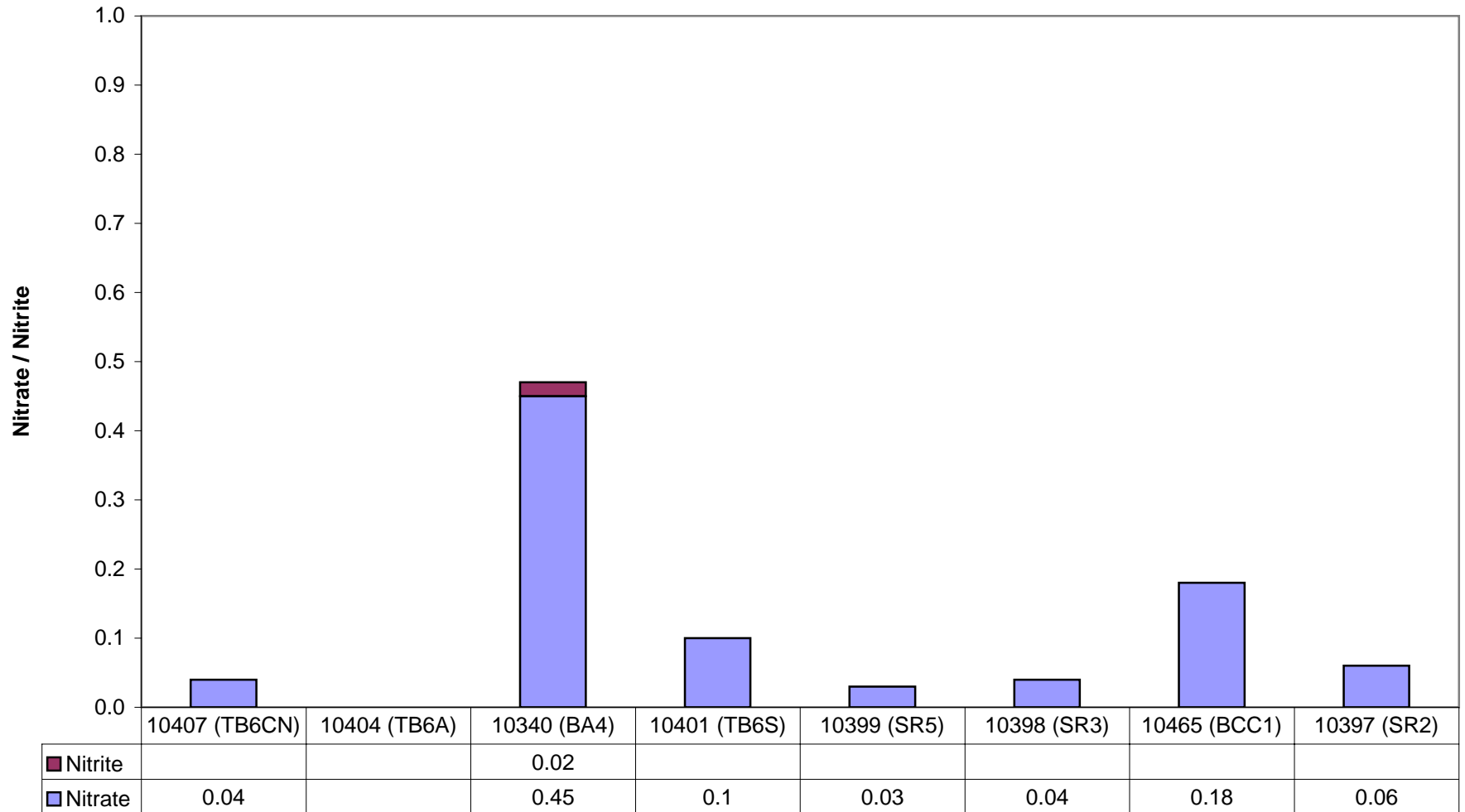


Stations without values below detection limit (< 0.02 mg/L) on this run (see page 18)

# SABINE RIVER AUTHORITY OF TEXAS

June 2005

## Lower Sabine Basin Nitrate / Nitrite (2 of 2)



# SABINE RIVER AUTHORITY OF TEXAS

## Lower Basin Profiles

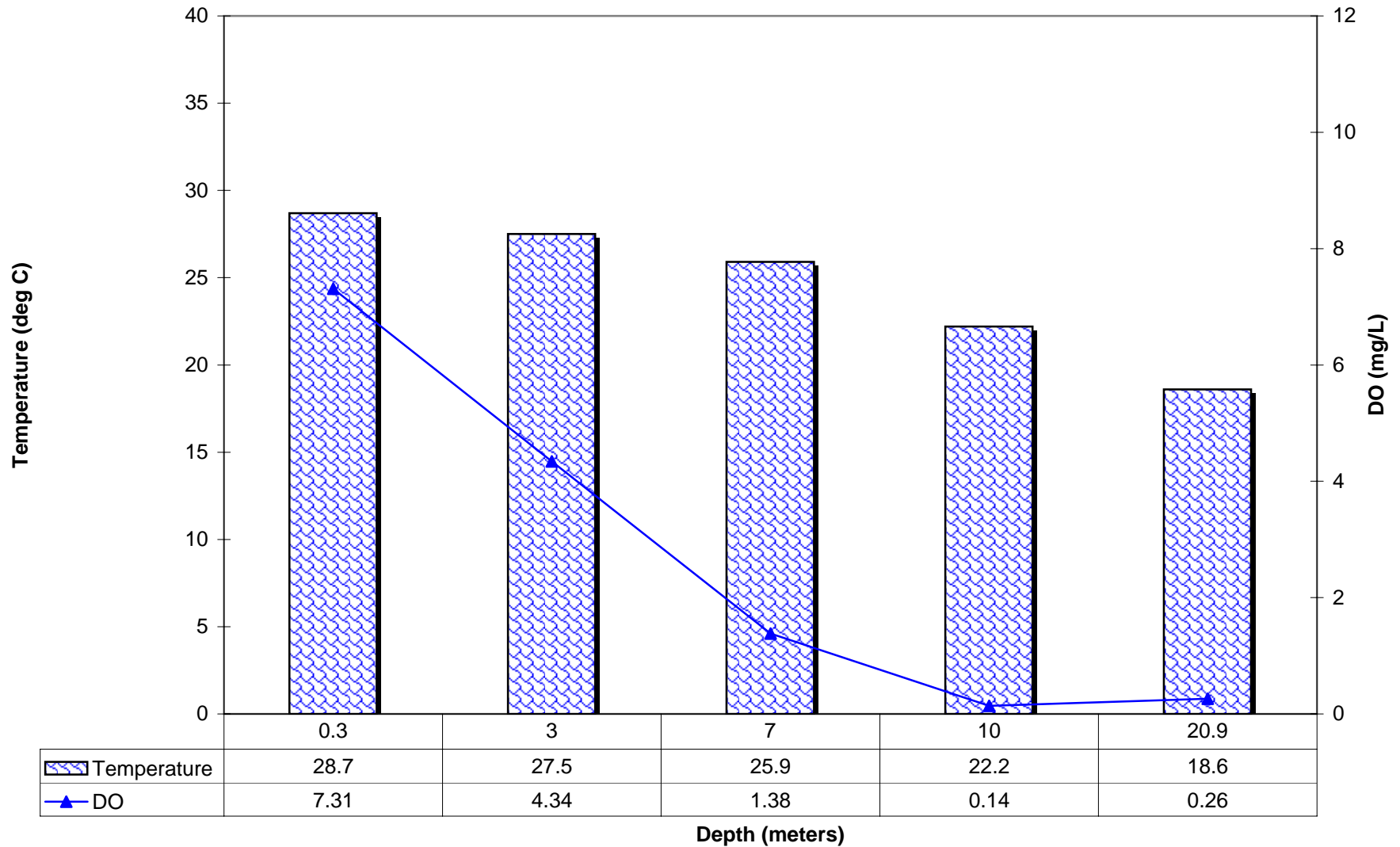
June 2005

Date	SW ID	Station	Depth Meters	Temperature	pH	DO	%	Conductivity
				°C 00010	Units 00400	mg/L 00300	Saturation 00301	µS/cm 00094
6/15/05 11:07 AM	4.00	10403 (TB8)	0.3	31.3	8.27	9.08	125	276
			3.3	29.1	6.81	2.04	27	276
			10.7	28.3	6.85	0.21	2	366
6/15/05 11:40 AM	4.00	18051 (TB7A)	0.3	31.3	8.84	10.4	143	375
			3.5	29.1	6.89	1.2	16	382
			9	24.2	7.03	0.16	1	401
6/13/05 9:55 AM	4.00	18052 (TB6R)	0.3	29.2	7.64	6.57	86	193
			2	29	7.44	6.44	84	193
			4	28.7	7.09	5.91	77	194
			8	27.8	6.73	3.57	45	193
			15	23.6	7.01	2.43	28	233
6/13/05 11:55 AM	4.00	18053 (TB6LN)	0.3	30.8	8.56	7.91	106	159
			2	30.3	8.36	7.64	102	159
			4	29.7	7.29	6.54	87	158
			5.8	28.9	6.86	0.69	9	159
6/14/05 10:42 AM	4.00	15655 (TB6J)	0.3	30.3	7.87	6.68	88	174
			2	30.2	7.49	6.14	81	141
			4.1	30.1	6.81	4.9	64	169
6/14/05 12:25 PM	4.00	15659 (TB6K)	0.3	31.4	8.9	8.24	112	169
			2	30.9	8.75	7.78	104	169
			4.2	28.6	6.62	2	26	173
			8.9	25.4	6.46	0.79	10	206
6/14/2005 11:20	4.00	10402 (TB6H)	0.3	28.7	8.09	7.31	94	169
			3	27.5	6.96	4.34	55	177
			7	25.9	6.56	1.38	17	181
			10	22.2	6.51	0.14	2	188
			20.9	18.6	7.11	0.26	3	197
6/13/05 12:36 PM	4.00	18054 (TB6Q)	0.3	30.8	8.3	7.64	103	148
			2.5	30.3	7.93	7.67	102	147
			5	27.5	6.62	4.26	54	150
			8.3	23.9	6.62	2.5	29	161
6/14/2005 11:03	4.00	10411 (TB6F)	0.3	31.6	8.56	7.61	104	130
			3.2	27.5	6.5	2.2	27	135
			4.8	25.6	6.53	0.45	10	152
6/14/05 9:50 AM	4.00	10407 (TB6CN)	0.3	30.2	6.68	5.24	69	139
			2.8	29.1	6.11	1.57	21	140
			6.3	26.8	5.72	0.3	4	157
6/13/05 1:35 PM	4.00	10404 (TB6A)	0.3	26.6	7.08	8.1	101	136
			2.5	23.9	6.6	6.35	74	135
			5	22.4	6.41	3.11	36	137
			8	19.7	6.36	2.78	31	135
			13	17.6	6.31	1.51	15	133
27.7	15.5	6.39	0.98	10	148			

# SABINE RIVER AUTHORITY OF TEXAS

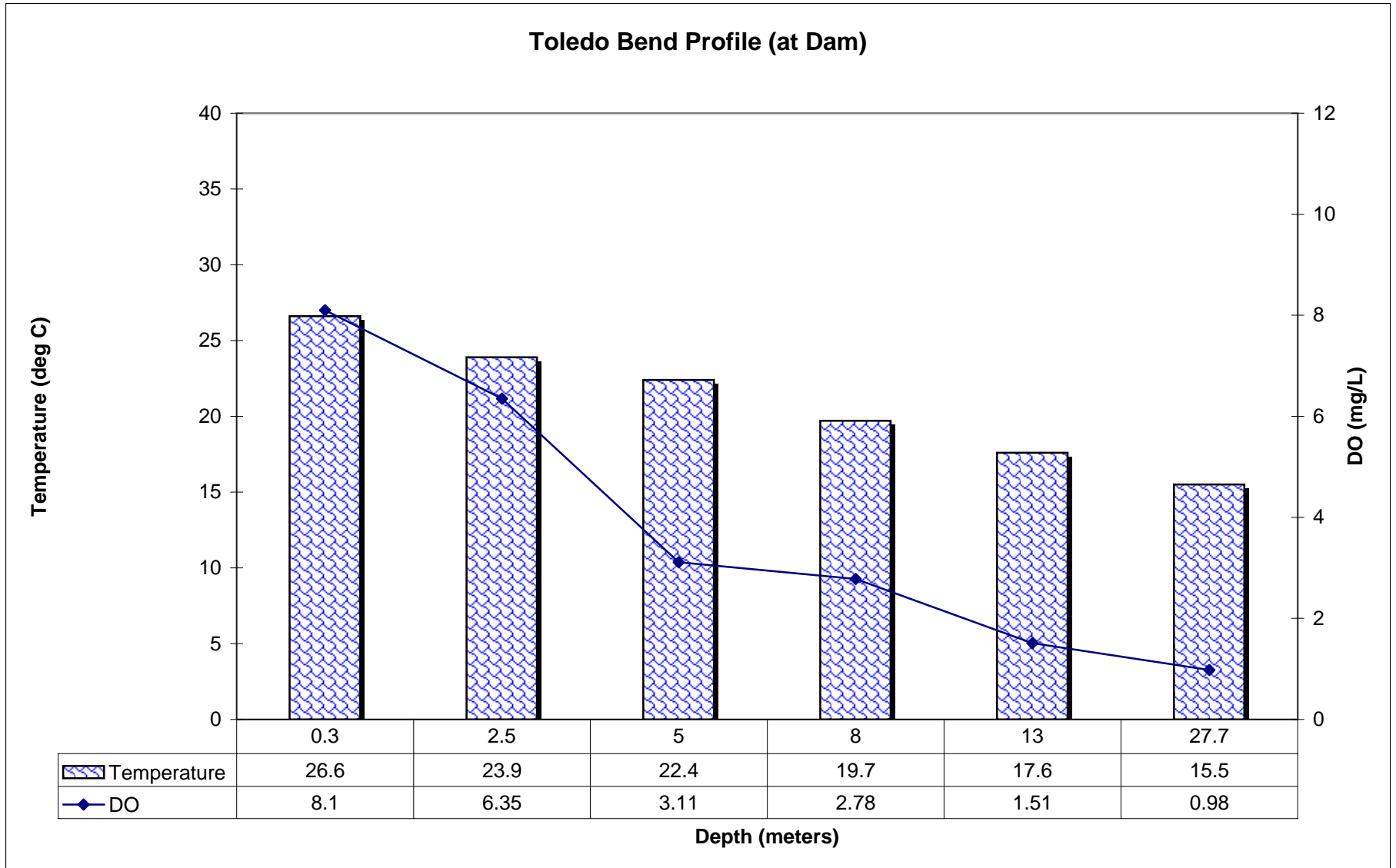
June 2005

## Toledo Bend Profile (at Pendleton Bridge)



# SABINE RIVER AUTHORITY OF TEXAS

June 2005



# SABINE RIVER AUTHORITY OF TEXAS

## Toledo Bend Weather and Reservoir Data

June 2005

Date	Lake Elev	LE - TOP	Max Temp	Min Temp	Rainfall	Evaporation	Daily Releases cfs	Daily Releases ac ft	Current Release
6/1/2005	169.61	(2.39)	83	67	0.00	0.21	3,781	7,480	204
6/2/2005	169.55	(2.45)	82	66	0.00	0.14	3,794	7,525	204
6/3/2005	169.41	(2.59)	88	66	0.00	0.30	3,878	7,692	204
6/4/2005	169.32	(2.68)	89	50	0.00	0.34	2,638	5,232	204
6/5/2005	169.39	(2.61)	90	52	0.00	0.24	204	405	204
6/6/2005	169.41	(2.59)	89	70	0.69	0.36	3,837	7,611	204
6/7/2005	169.34	(2.66)	90	69	0.71	0.25	3,923	7,781	204
6/8/2005	169.28	(2.72)	82	68	0.21	0.18	4,350	8,628	204
6/9/2005	169.26	(2.74)	86	68	1.00	0.45	3,797	7,531	204
6/10/2005	169.23	(2.77)	88	70	0.00	0.41	3,902	7,740	204
6/11/2005	169.25	(2.75)	90	69	0.32	0.25	1,257	2,493	204
6/12/2005	169.21	(2.79)	89	69	0.00	0.25	174	345	204
6/13/2005	169.12	(2.88)	90	71	0.00	0.29	4,352	8,632	174
6/14/2005	169.09	(2.91)	91	70	0.00	0.30	4,484	8,894	204
6/15/2005	169.07	(2.93)	91	71	0.00	0.39	2,989	5,929	204
6/16/2005	168.98	(3.02)	95	71	0.00	0.35	4,537	8,999	204
6/17/2005	168.95	(3.05)	95	69	0.21	0.33	4,507	8,939	204
6/18/2005	168.90	(3.10)	91	70	0.00	0.31	3,272	6,489	204
6/19/2005	168.89	(3.11)	84	66	0.00	0.10	204	405	204
6/20/2005	168.82	(3.18)	89	66	0.00	0.30	4,410	8,747	204
6/21/2005	168.75	(3.25)	88	68	0.00	0.16	4,472	8,870	204
6/22/2005	168.67	(3.33)	89	71	0.00	0.41	4,575	9,074	204
6/23/2005	168.59	(3.41)	91	69	0.00	0.30	4,461	8,848	204
6/24/2005	168.52	(3.48)	92	70	0.00	0.34	4,546	9,017	204
6/25/2005	168.47	(3.53)	91	72	0.00	0.28	3,251	6,448	204
6/26/2005	168.47	(3.53)	95	69	0.00	0.26	204	405	204
6/27/2005	168.38	(3.62)	93	69	0.00	0.44	4,613	9,150	204
6/28/2005	168.31	(3.69)	93	70	0.00	0.25	4,549	9,023	204
6/29/2005	168.23	(3.77)	93	73	0.00	0.32	4,502	8,929	204
6/30/2005	168.14	(3.86)	97	72	0.00	0.35	4,448	8,822	204
<b>Avg or Tot</b>	168.95	(3.05)	90	68	3.14	8.86	3,464	206,083	

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 6/13,14,15/2005

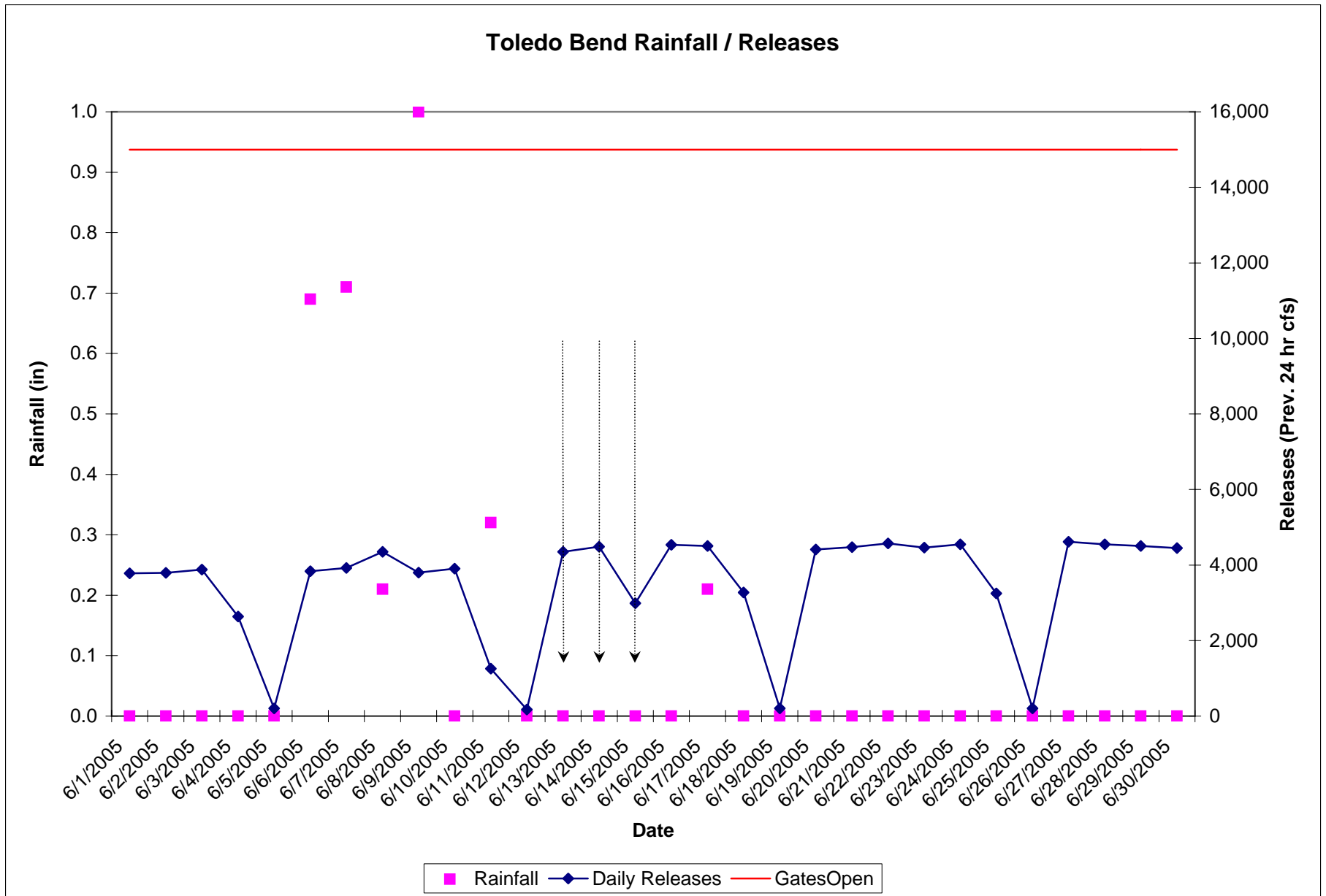
Lake Elev from USGS daily mean elevation  
 USGS 08025350 Toledo Bd Res nr Burkeville, TX  
[http://waterdata.usgs.gov/tx/nwis/dv/?site\\_no=08025350&agency\\_cd=USGS](http://waterdata.usgs.gov/tx/nwis/dv/?site_no=08025350&agency_cd=USGS)  
 Acquired 8/1/2005; provisional and subject to revision by USGS.

Other values measured by SRA-TX



# SABINE RIVER AUTHORITY OF TEXAS

June 2005



Toledo Bend sampled on 6/13,14,15/2005

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

# SABINE RIVER AUTHORITY OF TEXAS

## Burkeville Weather and River Data

June 2005

<b>Date</b>	<b>Rainfall</b>	<b>Gauge Height</b>	<b>GH - FS</b>	<b>Flow</b>
6/1/2005	OUT	16.81	(21.19)	3,850
6/2/2005	OUT	17.04	(20.96)	4,070
6/3/2005	OUT	17.08	(20.92)	4,120
6/4/2005	OUT	16.58	(21.42)	3,560
6/5/2005	OUT	14.51	(23.49)	1,840
6/6/2005	OUT	14.39	(23.61)	2,200
6/7/2005	OUT	17.12	(20.88)	4,150
6/8/2005	OUT	17.24	(20.76)	4,300
6/9/2005	OUT	17.55	(20.45)	4,580
6/10/2005	OUT	17.12	(20.88)	4,160
6/11/2005	OUT	15.88	(22.12)	2,890
6/12/2005	OUT	13.45	(24.55)	1,090
6/13/2005	OUT	14.61	(23.39)	2,510
6/14/2005	OUT	17.58	(20.42)	4,650
6/15/2005	OUT	16.83	(21.17)	3,760
6/16/2005	OUT	16.93	(21.07)	4,050
6/17/2005	OUT	17.65	(20.35)	4,740
6/18/2005	OUT	17.15	(20.85)	4,130
6/19/2005	OUT	14.70	(23.30)	2,010
6/20/2005	OUT	OUT	OUT	OUT
6/21/2005	OUT	OUT	OUT	OUT
6/22/2005	OUT	17.68	(20.32)	4,760
6/23/2005	OUT	17.67	(20.33)	4,750
6/24/2005	OUT	17.68	(20.32)	4,760
6/25/2005	OUT	17.14	(20.86)	4,120
6/26/2005	OUT	14.66	(23.34)	1,980
6/27/2005	OUT	14.75	(23.25)	2,640
6/28/2005	OUT	17.66	(20.34)	4,740
6/29/2005	OUT	17.66	(20.34)	4,740
6/30/2005	OUT	17.65	(20.35)	4,730
<b>Avg or Tot</b>	OUT	16.53	(21.47)	3,710

Units	Tot Inches	Avg Feet	Avg Feet	Avg cfs
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FS: Flood Stage = 38 feet

OUT: Gage Out

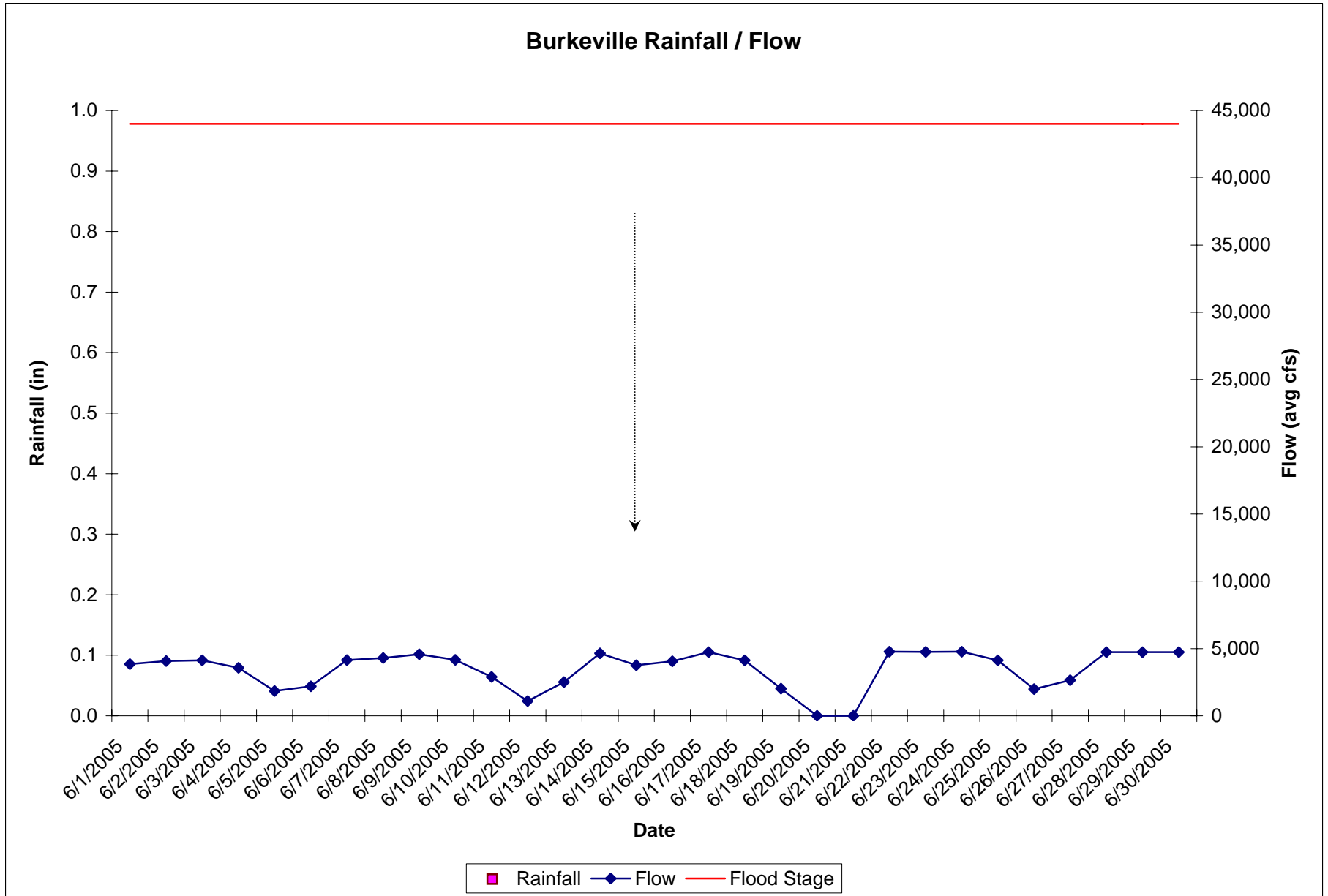
Lower Sabine Basin Sampled on 6/15/2005

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](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

June 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

June 2005

<b>Date</b>	<b>Gauge Height</b>	<b>GH - FS</b>	<b>Flow Avg</b>	<b>308 Rainfall</b>
6/1/2005	15.62	(14.38)	2,360	OUT
6/2/2005	17.48	(12.52)	3,920	OUT
6/3/2005	17.67	(12.33)	4,120	OUT
6/4/2005	17.69	(12.31)	4,140	OUT
6/5/2005	17.04	(12.96)	3,460	OUT
6/6/2005	15.13	(14.87)	1,900	OUT
6/7/2005	15.97	(14.03)	2,680	OUT
6/8/2005	17.76	(12.24)	4,210	OUT
6/9/2005	18.18	(11.82)	4,680	OUT
6/10/2005	18.11	(11.89)	4,590	OUT
6/11/2005	17.79	(12.21)	4,240	OUT
6/12/2005	16.25	(13.75)	2,750	OUT
6/13/2005	14.36	(15.64)	1,360	OUT
6/14/2005	15.99	(14.01)	2,760	OUT
6/15/2005	18.01	(11.99)	4,480	OUT
6/16/2005	17.18	(12.82)	3,600	OUT
6/17/2005	17.63	(12.37)	4,100	OUT
6/18/2005	18.10	(11.90)	4,590	OUT
6/19/2005	17.44	(12.56)	3,870	OUT
6/20/2005	15.18	(14.82)	1,950	OUT
6/21/2005	16.02	(13.98)	2,780	OUT
6/22/2005	17.91	(12.09)	4,380	OUT
6/23/2005	18.02	(11.98)	4,490	OUT
6/24/2005	18.01	(11.99)	4,480	OUT
6/25/2005	18.04	(11.96)	4,510	OUT
6/26/2005	17.35	(12.65)	3,770	OUT
6/27/2005	15.07	(14.93)	1,870	OUT
6/28/2005	15.99	(14.01)	2,770	OUT
6/29/2005	17.89	(12.11)	4,360	OUT
6/30/2005	17.94	(12.06)	4,410	OUT
<b>Avg or Tot</b>	17.03	(12.97)	3,586	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 6/15/2005

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

USGS 08028500 Sabine Rv nr Bon Wier, TX

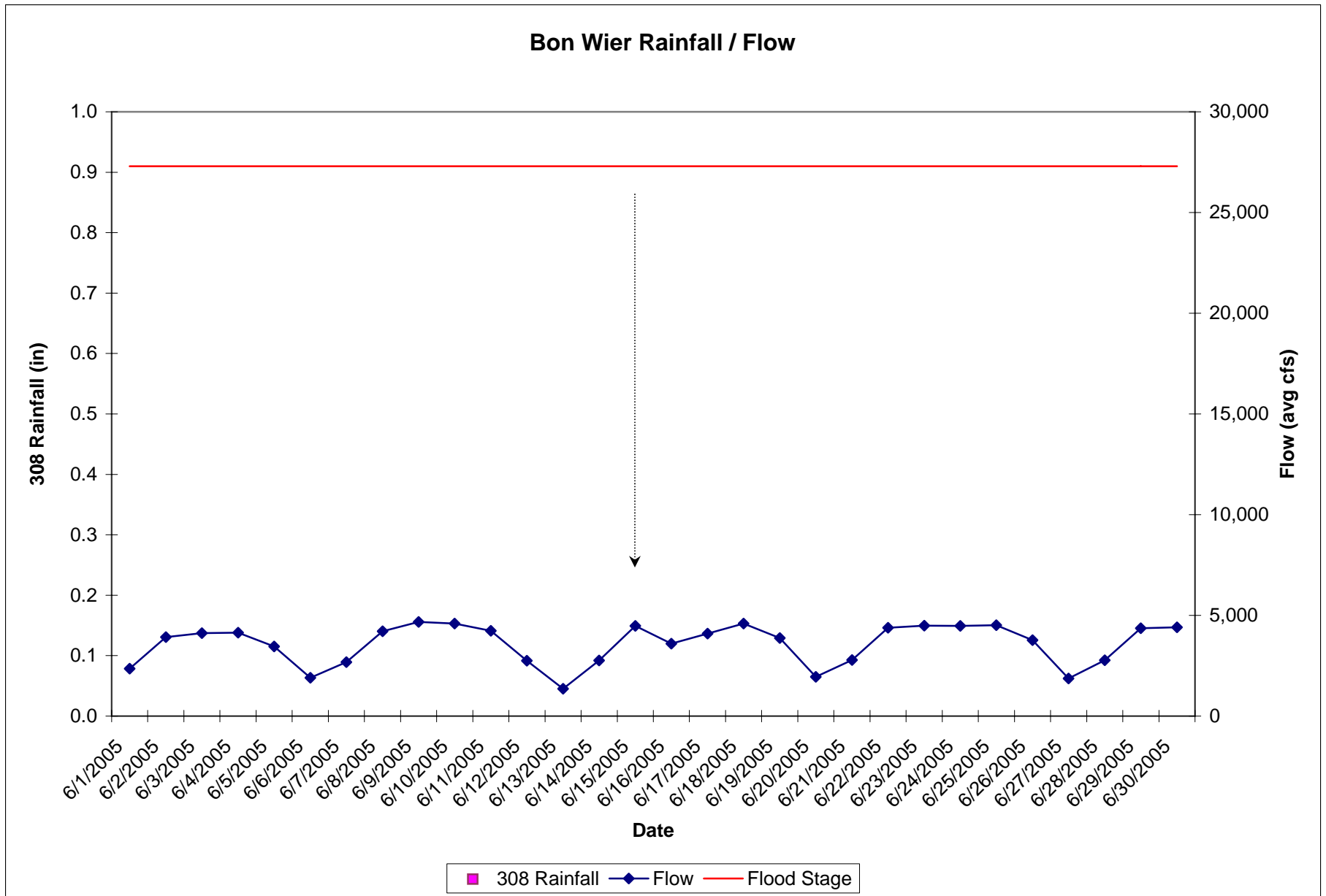
[http://waterdata.usgs.gov/tx/nwis/dv/?site\\_no=08028500&agency\\_cd=USGS](http://waterdata.usgs.gov/tx/nwis/dv/?site_no=08028500&agency_cd=USGS)

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

Other values measured by SRA-TX

# SABINE RIVER AUTHORITY OF TEXAS

June 2005



Lower Sabine Basin sampled on 6/15/2005

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

June 2005

Date	Gauge Height	GH - FS	Flow cfs	Flow acft	309 Rainfall
6/1/2005	17.35	(6.65)	2,230	4,423	OUT
6/2/2005	17.13	(6.87)	2,100	4,165	OUT
6/3/2005	18.89	(5.11)	3,290	6,526	OUT
6/4/2005	19.74	(4.26)	4,070	8,073	OUT
6/5/2005	20.01	(3.99)	4,370	8,668	OUT
6/6/2005	19.98	(4.02)	4,340	8,608	OUT
6/7/2005	19.23	(4.77)	3,270	6,486	OUT
6/8/2005	18.11	(5.89)	2,440	4,840	OUT
6/9/2005	19.31	(4.69)	3,330	6,605	OUT
6/10/2005	20.10	(3.90)	4,140	8,212	OUT
6/11/2005	20.48	(3.52)	4,650	9,223	OUT
6/12/2005	20.48	(3.52)	4,640	9,203	OUT
6/13/2005	20.07	(3.93)	4,120	8,172	OUT
6/14/2005	18.63	(5.37)	2,810	5,574	OUT
6/15/2005	17.58	(6.42)	2,160	4,284	OUT
6/16/2005	19.32	(4.68)	3,340	6,625	OUT
6/17/2005	19.97	(4.03)	3,990	7,914	OUT
6/18/2005	19.88	(4.12)	3,880	7,696	OUT
6/19/2005	20.17	(3.83)	4,230	8,390	OUT
6/20/2005	20.28	(3.72)	4,360	8,648	OUT
6/21/2005	19.56	(4.44)	3,590	7,121	OUT
6/22/2005	18.19	(5.81)	2,490	4,939	OUT
6/23/2005	19.38	(4.62)	3,390	6,724	OUT
6/24/2005	20.10	(3.90)	4,150	8,231	OUT
6/25/2005	20.34	(3.66)	4,440	8,807	OUT
6/26/2005	20.43	(3.57)	4,560	9,045	OUT
6/27/2005	20.35	(3.65)	4,460	8,846	OUT
6/28/2005	19.52	(4.48)	3,550	7,041	OUT
6/29/2005	18.11	(5.89)	2,450	4,860	OUT
6/30/2005	19.36	(4.64)	3,370	6,684	OUT
<b>Avg or Tot</b>	19.40	(4.60)	3,607	214,631	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 6/15/2005

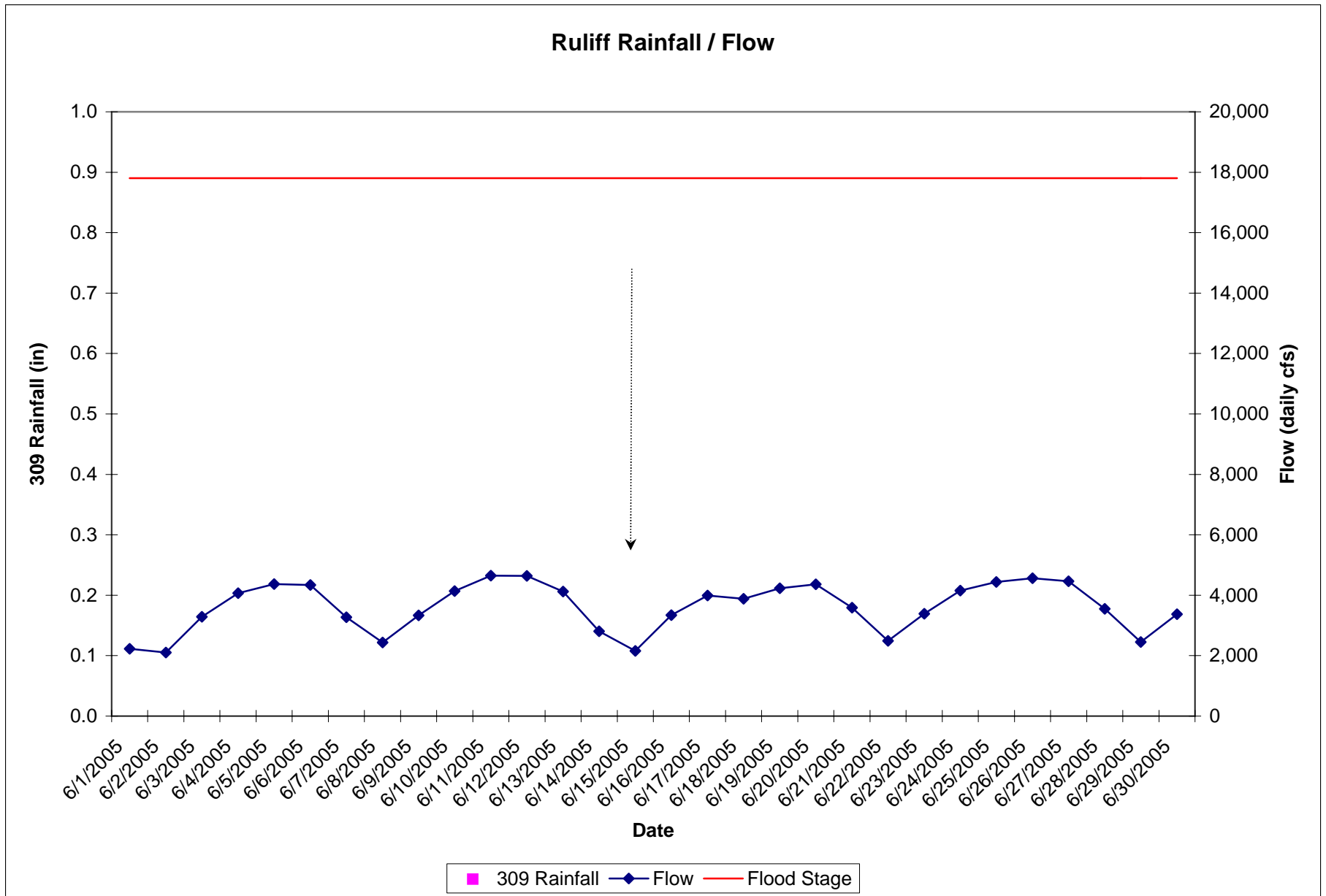
Gauge Height and Flow from USGS daily mean Gage height and Discharge, respectively  
 USGS 08030500 Sabine Rv nr Ruliff, TX  
[http://waterdata.usgs.gov/tx/nwis/dv/?site\\_no=08030500&agency\\_cd=USGS](http://waterdata.usgs.gov/tx/nwis/dv/?site_no=08030500&agency_cd=USGS)  
 Acquired 8/12/2005; provisional and subject to revision by USGS.

Other values measured by SRA-TX

Flow acft = Flow cfs \* 1.98347

# SABINE RIVER AUTHORITY OF TEXAS

June 2005



Lower Sabine Basin sampled on 6/15/2005

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

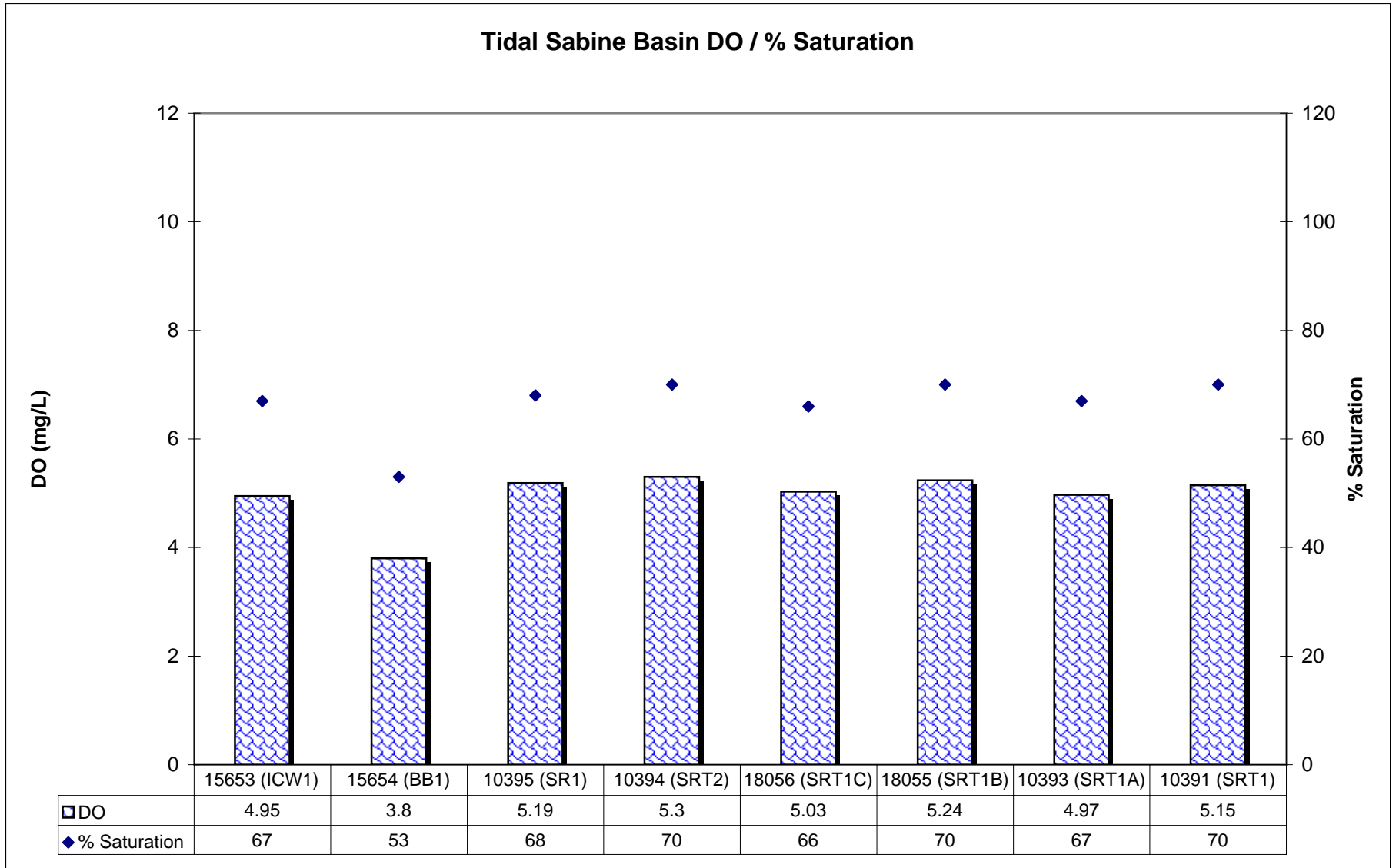
June 2005

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
6/16/05 10:10 AM	1.05	15653 (ICW1)	30.4	6.88	4.95	67	4777	3	*	5.75	*	9	*	< 0.02	0.02	< 0.04	6	*	*
6/16/05 11:00 AM	1.01	15654 (BB1)	31.2	6.9	3.8	53	12420	7	0.57	6.94	*	83	*	< 0.02	*	*	5	*	*
6/16/05 9:10 AM	1.00	10395 (SR1)	29.8	7.01	5.19	68	228	*	0.36	20.2	2	*	*	< 0.02	0.02	< 0.04	8	*	*
6/16/05 9:30 AM	1.00	10394 (SRT2)	29.5	6.76	5.3	70	179	< 1	0.42	14.7	15	11	*	< 0.02	0.04	< 0.04	7	*	*
6/16/05 9:46 AM	1.00	18056 (SRT1C)	29.3	6.96	5.03	66	438	< 1	0.44	12.3	10	11	*	< 0.02	0.04	< 0.04	8	*	*
6/16/05 10:25 AM	1.00	18055 (SRT1B)	29.7	6.98	5.24	70	1726	< 1	0.56	8.79	10	5	*	< 0.02	0.05	< 0.04	7	*	*
6/16/05 10:44 AM	1.00	10393 (SRT1A)	30.2	6.96	4.97	67	3611	2	0.54	8.46	*	11	*	< 0.02	0.05	0.05	6	*	*
6/16/05 11:11 AM	1.00	10391 (SRT1)	30.3	6.99	5.15	70	5724	3	0.66	7.68	*	5	*	< 0.02	0.03	< 0.04	5	*	*

\*: Not sampled on this run

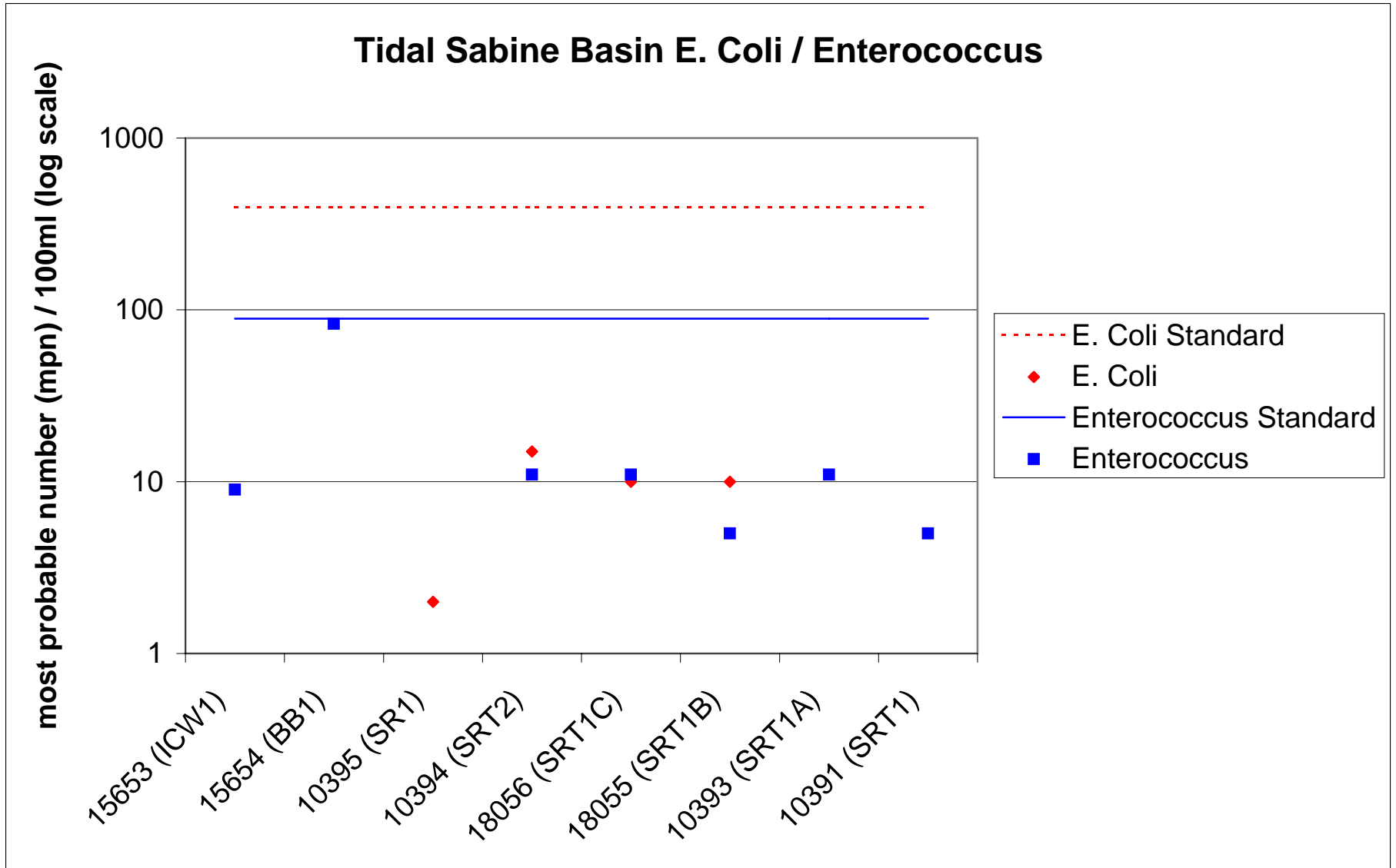
# SABINE RIVER AUTHORITY OF TEXAS

June 2005



# SABINE RIVER AUTHORITY OF TEXAS

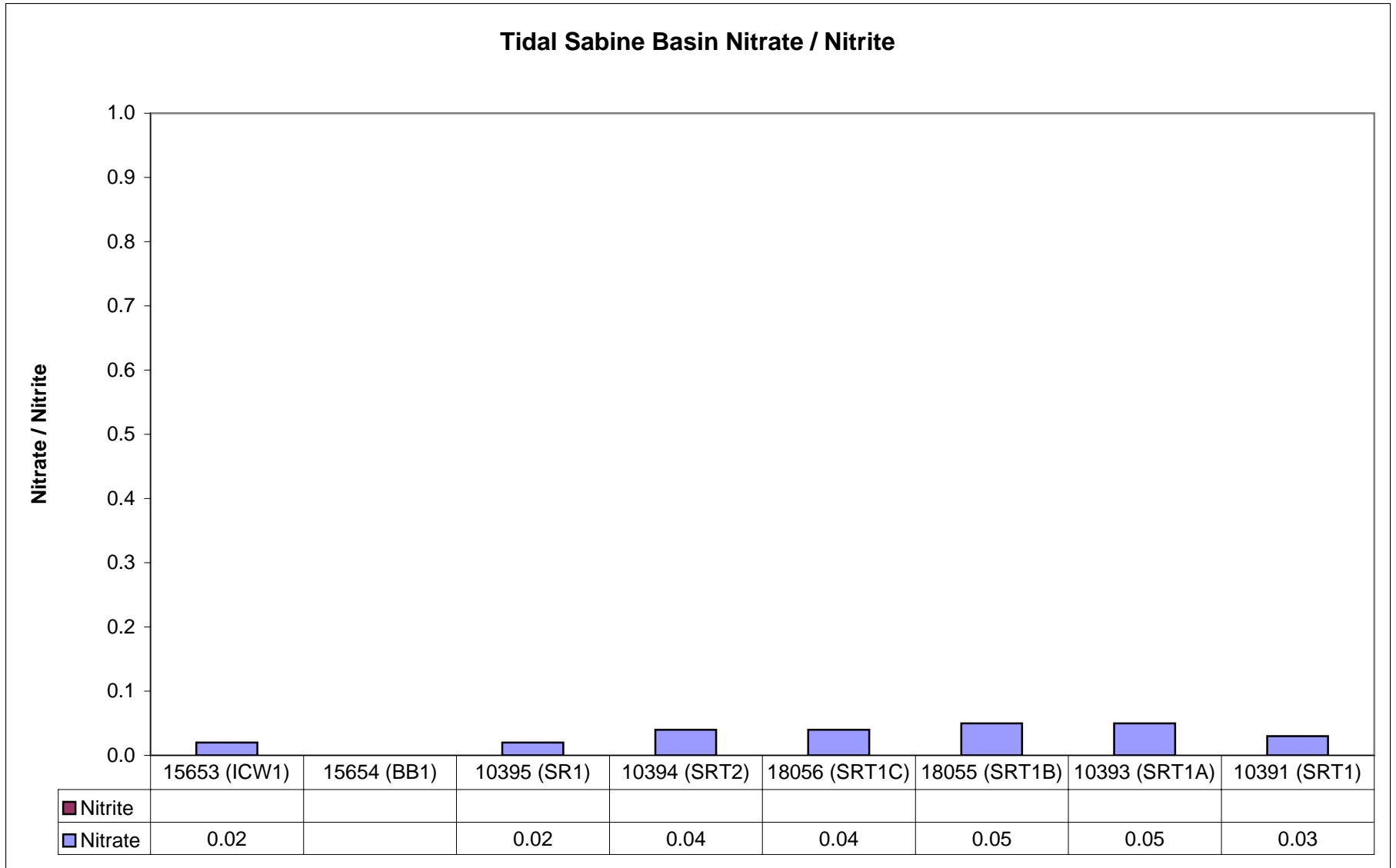
June 2005



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

# SABINE RIVER AUTHORITY OF TEXAS

June 2005



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

# SABINE RIVER AUTHORITY OF TEXAS

## Tidal Profiles

June 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
6/16/05 10:10 AM	1.05	15653 (ICW1)	0.3	30.4	6.88	4.95	67	4777	3
			3	30.4	6.87	4.85	66	4812	3
			6	30.3	6.87	4.8	65	4867	3
6/16/05 11:00 AM	1.01	15654 (BB1)	0.3	31.2	6.9	3.8	53	12420	7
			2.5	31	6.88	3.63	51	12430	7
			5.1	30.8	6.87	3.39	48	12450	7
6/16/05 9:30 AM	1.00	10394 (SRT2)	0.3	29.5	6.76	5.3	70	179	< 1
			4	29.1	6.72	4.9	64	189	< 1
			7.1	28.9	6.67	4.18	54	265	< 1
6/16/05 9:46 AM	1.00	18056 (SRT1C)	0.3	29.3	6.96	5.03	66	438	< 1
			3	29.1	6.96	4.2	55	2271	1
			6	29.2	6.82	1.91	26	12340	7
			9	29.3	6.78	1.15	16	18560	11
			11.4	29.3	6.75	0.7	10	19570	12
6/16/05 10:25 AM	1.00	18055 (SRT1B)	0.3	29.7	6.98	5.24	70	1726	< 1
			3	29.6	6.96	4.51	60	4401	2
			6	30.2	6.97	3.76	52	10780	6
			8.9	30.2	6.87	2.51	35	19080	11
6/16/05 10:44 AM	1.00	10393 (SRT1A)	0.3	30.2	6.96	4.97	67	3611	2
			3	29.7	7.05	4.52	61	5044	3
			6.9	30.7	6.95	3.57	51	17280	10
6/16/05 11:11 AM	1.00	10391 (SRT1)	0.3	30.3	6.99	5.15	70	5724	3
			3	30.1	6.97	4.32	59	7905	4
			6.3	30.8	7.04	4.44	63	15330	9

# SABINE RIVER AUTHORITY OF TEXAS

## Orange Weather and River Data

June 2005

<b>Date</b>	<b>310 (Orange) Rainfall</b>	<b>Gauge Height</b>	<b>GH - FS</b>	<b>Max Temp</b>	<b>Min Temp</b>	<b>Cur Temp</b>	<b>293 (GCD) Rainfall</b>
6/1/2005	OUT	OUT	OUT	86	64	67	0.00
6/2/2005	OUT	OUT	OUT	81	60	67	0.00
6/3/2005	OUT	OUT	OUT	90	70	70	0.00
6/4/2005	OUT	OUT	OUT	88	72	72	0.00
6/5/2005	OUT	OUT	OUT	88	68	68	0.00
6/6/2005	OUT	OUT	OUT	90	57	73	0.00
6/7/2005	OUT	OUT	OUT	89	71	68	0.00
6/8/2005	OUT	OUT	OUT	90	68	76	0.00
6/9/2005	OUT	OUT	OUT	83	69	73	0.00
6/10/2005	OUT	OUT	OUT	90	72	74	0.00
6/11/2005	OUT	OUT	OUT	92	71	71	0.00
6/12/2005	OUT	OUT	OUT	91	71	72	0.00
6/13/2005	OUT	OUT	OUT	93	64	73	0.00
6/14/2005	OUT	OUT	OUT	91	71	73	0.00
6/15/2005	OUT	OUT	OUT	93	72	75	0.00
6/16/2005	OUT	OUT	OUT	84	70	70	0.02
6/17/2005	OUT	OUT	OUT	95	70	71	0.88
6/18/2005	OUT	OUT	OUT	93	71	74	0.00
6/19/2005	OUT	OUT	OUT	92	68	69	0.00
6/20/2005	OUT	OUT	OUT	91	64	65	0.00
6/21/2005	OUT	OUT	OUT	90	64	67	0.00
6/22/2005	OUT	OUT	OUT	93	66	69	0.00
6/23/2005	OUT	OUT	OUT	93	69	71	0.00
6/24/2005	OUT	OUT	OUT	92	70	70	0.00
6/25/2005	OUT	OUT	OUT	93	70	72	0.15
6/26/2005	OUT	OUT	OUT	90	72	72	0.00
6/27/2005	OUT	OUT	OUT	91	71	71	0.00
6/28/2005	OUT	OUT	OUT	92	71	72	0.00
6/29/2005	OUT	OUT	OUT	94	72	73	0.00
6/30/2005	OUT	OUT	OUT	94	73	74	0.00
<b>Avg or Tot</b>	OUT	OUT	OUT	90	69	71	1.05

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

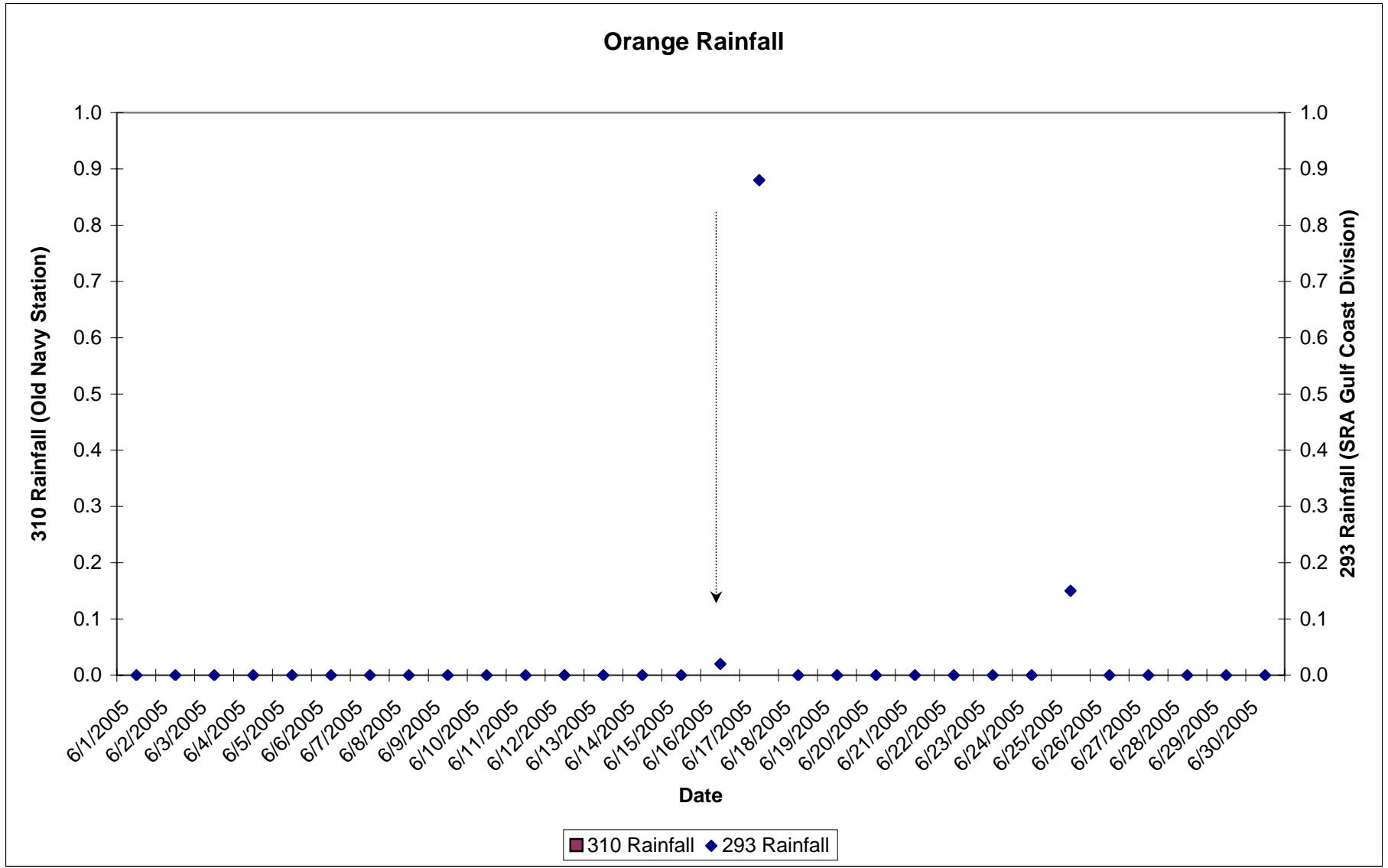
OUT: Gage Out

Tidal Sabine Basin Sampled on 6/16/2005

Values measured by SRA-TX

# SABINE RIVER AUTHORITY OF TEXAS

June 2005



Tidal Sabine Basin Sampled on 6/16/2005