
SABINE RIVER AUTHORITY OF TEXAS

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

This is the Sabine River Authority Water Quality Report for September 2005. Water quality sampling was performed September 12th through September 15th. Recent weather (previous seven days) in the Sabine River Basin was hot, with daytime highs from the mid to upper 90s at Lake Tawakoni and at Lake Fork. Toledo Bend Reservoir and Orange had daytime highs from the upper 80s to the mid 90s. Lows ranged from the low to mid 60s at Lake Tawakoni and at Lake Fork. Toledo Bend and Orange had lows ranging from the mid 60s to the low 70s. The deeper waters of Lake Tawakoni and Lake Fork were thermally stratified. During the 28 days prior to the sample run, the Upper Basin received 0.05 and 1.65 inches of rainfall as recorded at Lake Tawakoni and at Lake Fork, respectively. Lake Tawakoni and Lake Fork received no rainfall the week preceding the sample run. Toledo Bend and Orange received 1.34 and 1.58 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 400.34 feet msl with 64 cfs releases and the level of Lake Tawakoni was recorded at 432.44 feet msl with 6 cfs releases at the time of sampling. Station LT23C exceeded the stream standards numeric criteria for pH. Stations LT23C and SR19 exceeded 100 percent saturation for dissolved oxygen. Stations LT23A, LT23C, LT23D, LF3, LF4, 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. Stations LF3 and SR22 fell below the stream standards numeric criteria for dissolved oxygen. Station SR21 exceeded the stream standards numeric criteria for chloride. Station LT23D exceeded the recommended screening criteria for ortho-phosphate and station SR14 exceeded the recommended screening criteria for nitrate.

LOWER SABINE BASIN INCLUDING TOLEDO BEND TO MORGAN BLUFF

The September monthly sampling results were indicative of water of high quality at most sites. The area received no measurable rainfall the week prior to or during sampling. The level of Toledo Bend Reservoir was recorded at 163.37 feet msl with 204 cfs discharge at the time of sampling. Most reservoir stations were stratified with dissolved oxygen and temperature differences throughout the water column. Anoxic conditions were found at several of the deeper lake stations. Station TB7A had an elevated dissolved oxygen percent saturation, and along with station TB8, also had chloride and sulfate results above the stream standards numeric criteria. Station TB6R had a dissolved oxygen reading below the stream standards numeric criteria and 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 no measurable rainfall the week prior to sampling. All stations in this section of the Basin showed stratification, and anoxic conditions were found at one of the deeper stations. Surface salinities were found at all but the northern most Tidal station. The largest salinity value, 17 ppt, was found at station SRT1C at a depth of 11.1 meters. Elevated bacteria levels were recorded at stations BB1, SRT1A, and SRT1.

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:

- *Upper Sabine Basin*
Terry Wilson, Upper Basin Field Office Coordinator
903-878-2420 (twilson@sra.dst.tx.us)
- *Lower and Tidal Sabine Basin*
Jerry Wiegrefe, Lower Basin Field Office Coordinator
409-746-3284 (jwiegrefe@sra.dst.tx.us)
- If above are unavailable
John Payne, Special Projects Administrator
409-746-2192 (jpayne@sra.dst.tx.us)
or
Miles Hall, Resource Management/ Project Development Division Manager
409-746-2192 (mhall@sra.dst.tx.us)

PRINTED THURSDAY, JANUARY 26, 2006 AT 10:48

SABINE RIVER AUTHORITY OF TEXAS

Monthly Water Quality Report

September 2005

Table of Contents

Upper Sabine Basin

FY2006 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

FY2006 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

FY2006 Fixed Monitoring Stations.....	37
Surface Report.....	38
Profile Report.....	42
Weather, River, and Reservoir Data.....	43
<i>Orange</i>	43

Appendix

FY2006 Fixed Monitoring Station Maps	
Upper Basin.....	45
Lower Basin.....	46

THIS PAGE INTENTIONALLY LEFT BLANK

FY 2006 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

September 2005

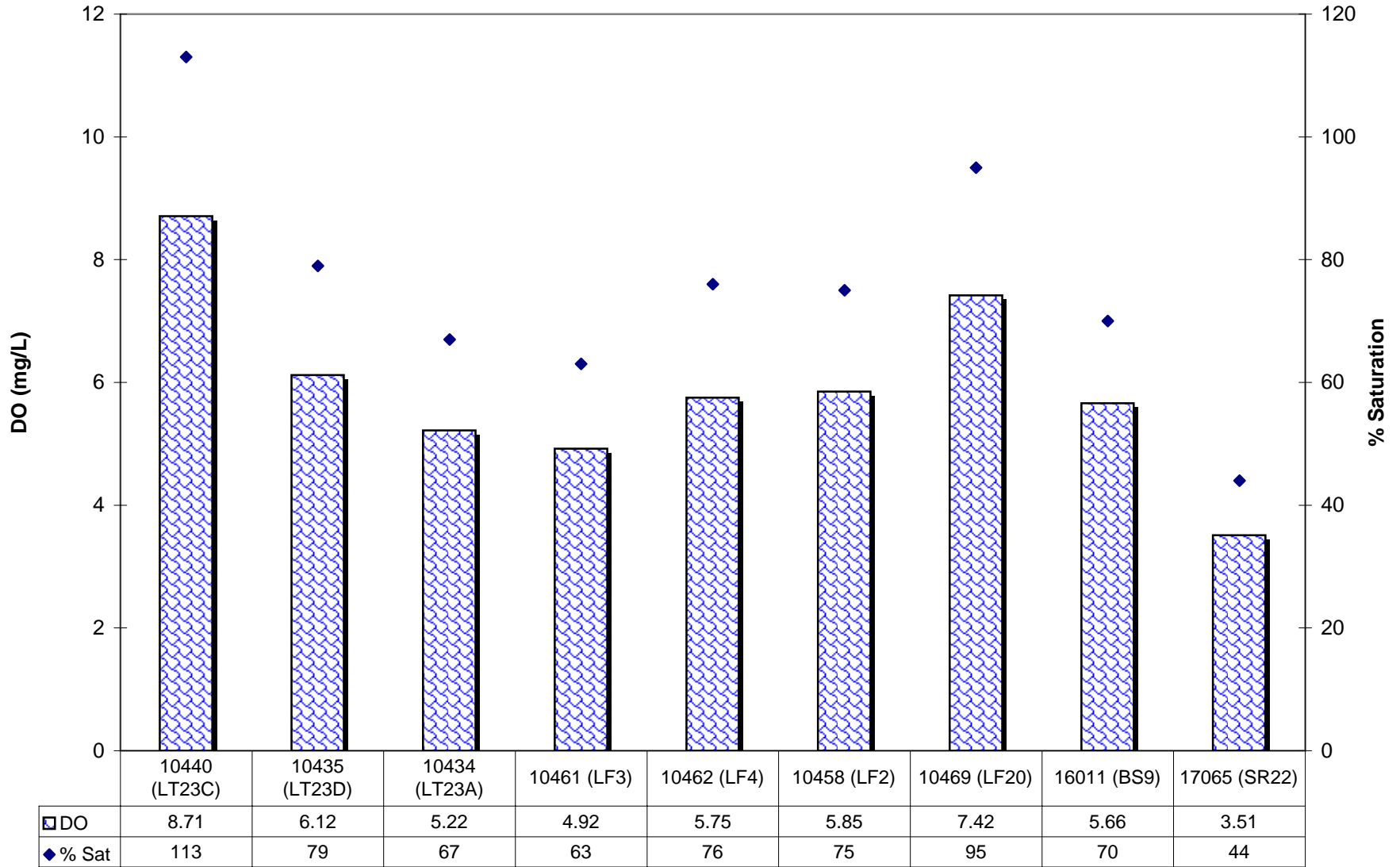
Date	SW ID	Station	Temperature °C 00010	pH Units 00400	DO mg/L 00300	% Saturation 00301	Conductivity µS/cm 00094	Salinity ppt 00480	Secchi Meters 00078	Turbidity NTU 82079	E. coli mpn/100ml 31699	Chlorophyll a µg/L 32211	Nitrite mg/L 00615	Nitrate mg/L 00620	Ortho- Phosphate 00671	TOC mg/L 00680	Total Alkalinity 00410	Total Hardness 00900	Chloride mg/L 00940	Sulfate mg/L 00945
9/13/05 12:00 PM	7.00	10440 (LT23C)	28.2	9.21	8.71	113	171	*	0.41	18.5	1	70	< 0.02	< 0.02	< 0.04	6	70	64	< 10	10.7
9/13/05 11:00 AM	7.00	10435 (LT23D)	27.8	8.46	6.12	79	193	*	0.49	18.8	< 1	102	< 0.02	< 0.02	0.17	7	80	72	< 10	10.7
9/13/05 9:59 AM	7.00	10434 (LT23A)	27	7.99	5.22	67	183	*	0.83	4.76	< 1	59	< 0.02	< 0.02	< 0.04	6	80	72	< 10	10.2
9/13/05 8:37 AM	6.12	10461 (LF3)	27.8	7.37	4.92	63	182	*	0.85	3.99	< 1	29	< 0.02	< 0.02	< 0.04	6	40	52	20	19.4
9/13/05 9:00 AM	6.12	10462 (LF4)	28.2	7.64	5.75	76	179	*	1.09	3.14	< 1	32	< 0.02	< 0.02	< 0.04	6	40	48	19.6	20.2
9/13/05 8:00 AM	6.12	10458 (LF2)	27.3	7.46	5.85	75	175	*	1.38	2.07	< 1	17	< 0.02	< 0.02	< 0.04	6	40	48	18.3	19.5
9/13/05 2:10 PM	6.10	10469 (LF20)	26.7	7.58	7.42	95	180	*	0.38	20.8	45	*	< 0.02	0.02	< 0.04	5	20	56	20.7	20.6
9/14/05 6:40 AM	6.02	16011 (BS9)	24.6	6.62	5.66	70	87	*	1.15	7.26	86	*	< 0.02	0.1	< 0.04	3	20	32	10.9	< 10
9/13/05 1:05 PM	6.00	17065 (SR22)	25.9	7.32	3.51	44	354	*	0.31	26.4	8	24	< 0.02	< 0.02	< 0.04	6	90	120	29.8	37.7
9/13/05 1:45 PM	6.00	10430 (SR21)	26.1	7.48	6.27	79	865	*	0.55	13	7	*	< 0.02	0.04	0.18	6	100	*	232	70.1
9/13/05 2:36 PM	6.00	10429 (SR19)	27.6	7.9	8.1	105	194	*	0.39	28.5	14	22	< 0.02	0.02	< 0.04	5	40	56	22.6	21.8
9/14/05 7:12 AM	5.00	10428 (SR17)	27.6	7.4	6.23	80	201	*	0.31	31.6	14	*	< 0.02	< 0.02	< 0.04	5	*	56	24.3	21.6
9/14/05 7:44 AM	5.00	10427 (SR16)	27.8	7.23	5.5	71	217	*	0.33	32.1	12	*	< 0.02	< 0.02	< 0.04	5	*	60	28.8	21.4
9/14/05 8:09 AM	5.00	10426 (SR15)	28.3	7.29	5.71	74	222	*	0.34	32.2	6	*	< 0.02	< 0.02	< 0.04	6	*	60	28.2	20.2
9/14/05 8:37 AM	5.00	10423 (SR14)	27.9	7.44	6.51	84	321	*	0.38	22.3	13	*	0.02	2.8	0.42	6	50	68	40.1	31.6
9/14/05 9:59 AM	5.00	13628 (SR11)	27.9	7.86	5.77	74	729	*	0.38	20.3	12	*	0.02	0.28	< 0.04	8	90	132	120	79.9
9/14/05 10:34 AM	5.00	10415 (SR10)	28.4	7.53	6.02	79	467	*	0.43	17.5	8	*	< 0.02	< 0.02	< 0.04	*	80	92	58.6	53.7

*: Not sampled on this run

SABINE RIVER AUTHORITY OF TEXAS

September 2005

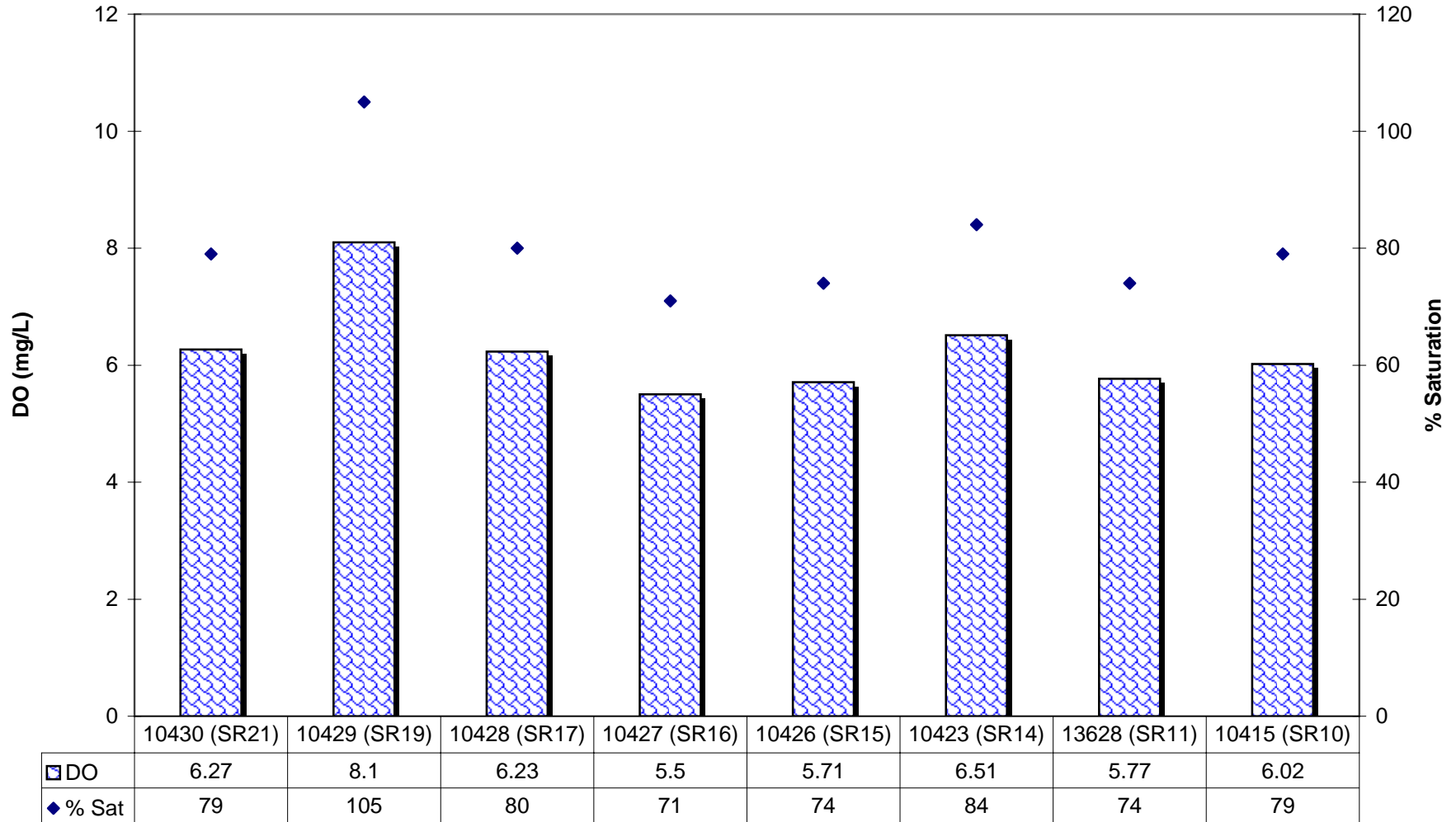
Upper Sabine Basin DO / % Saturation (1 of 2)



SABINE RIVER AUTHORITY OF TEXAS

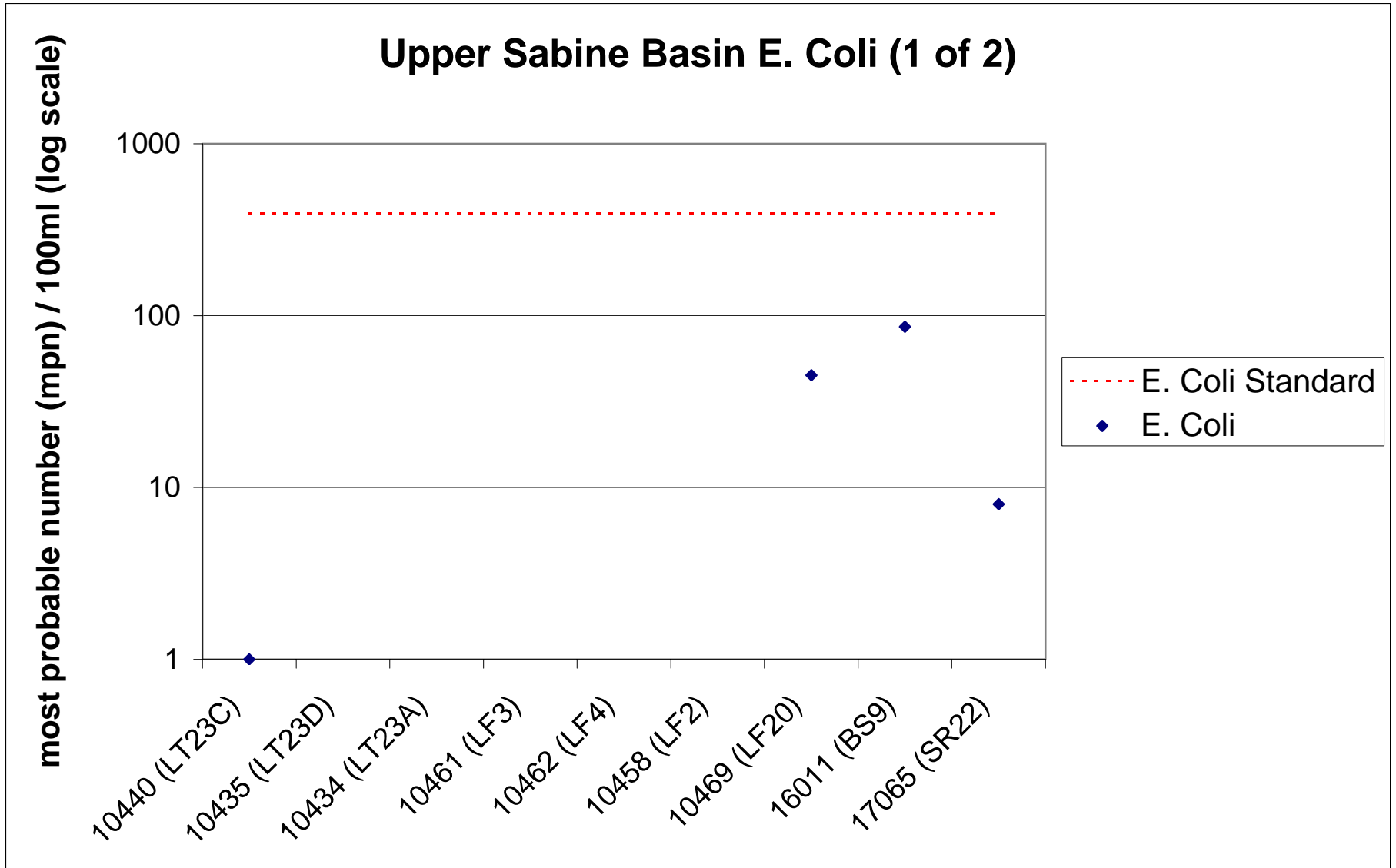
September 2005

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



SABINE RIVER AUTHORITY OF TEXAS

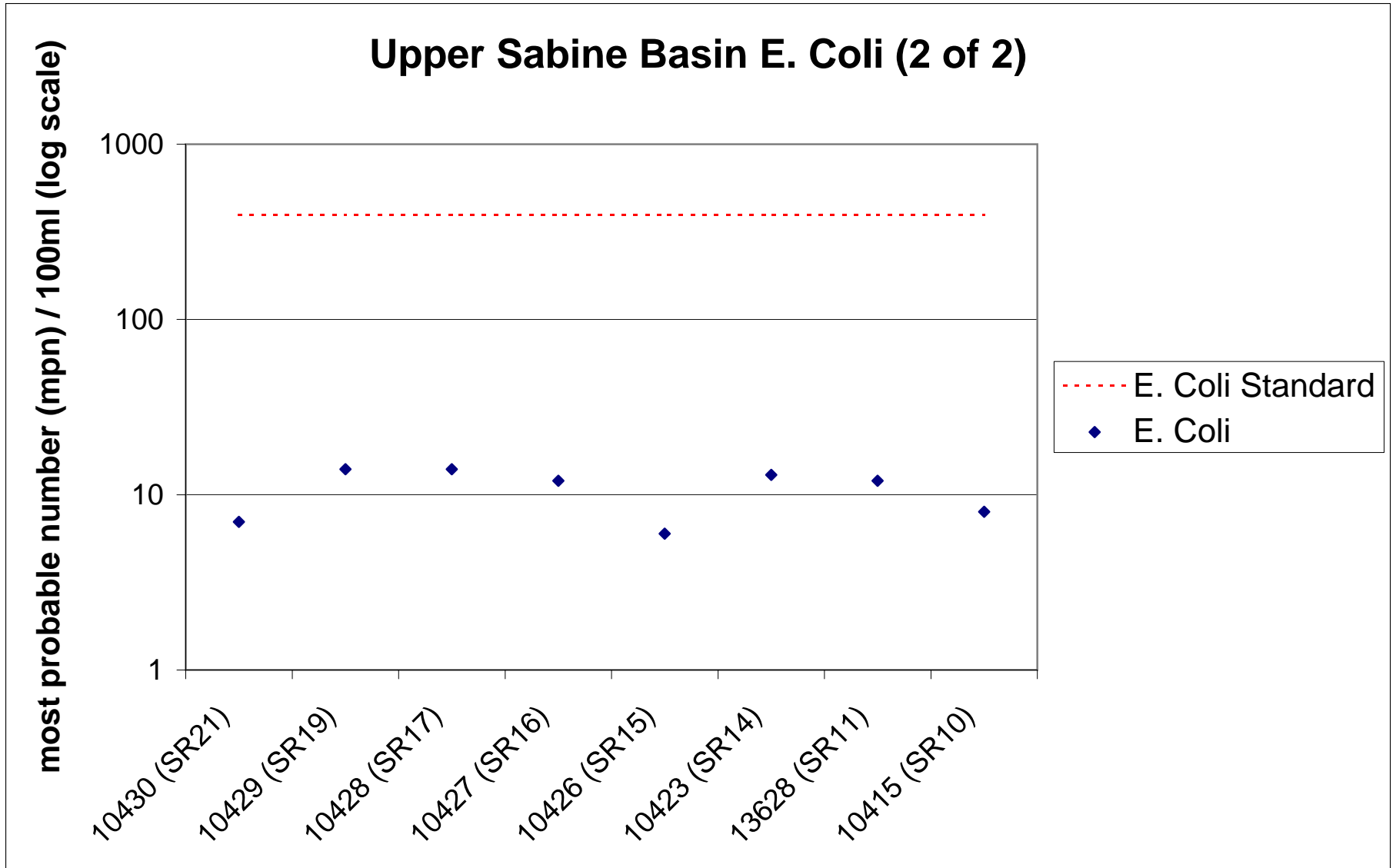
September 2005



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

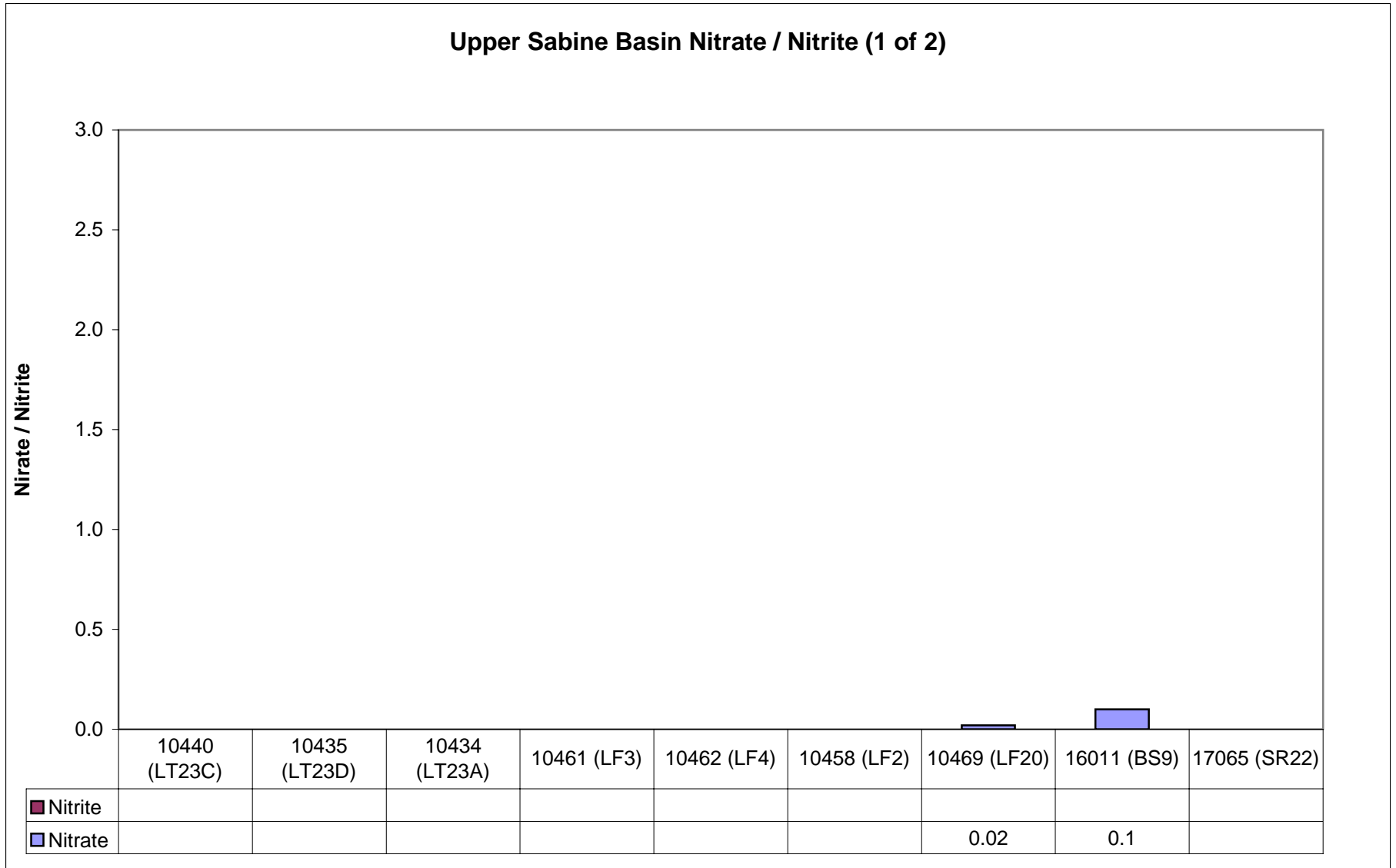
SABINE RIVER AUTHORITY OF TEXAS

September 2005



SABINE RIVER AUTHORITY OF TEXAS

September 2005

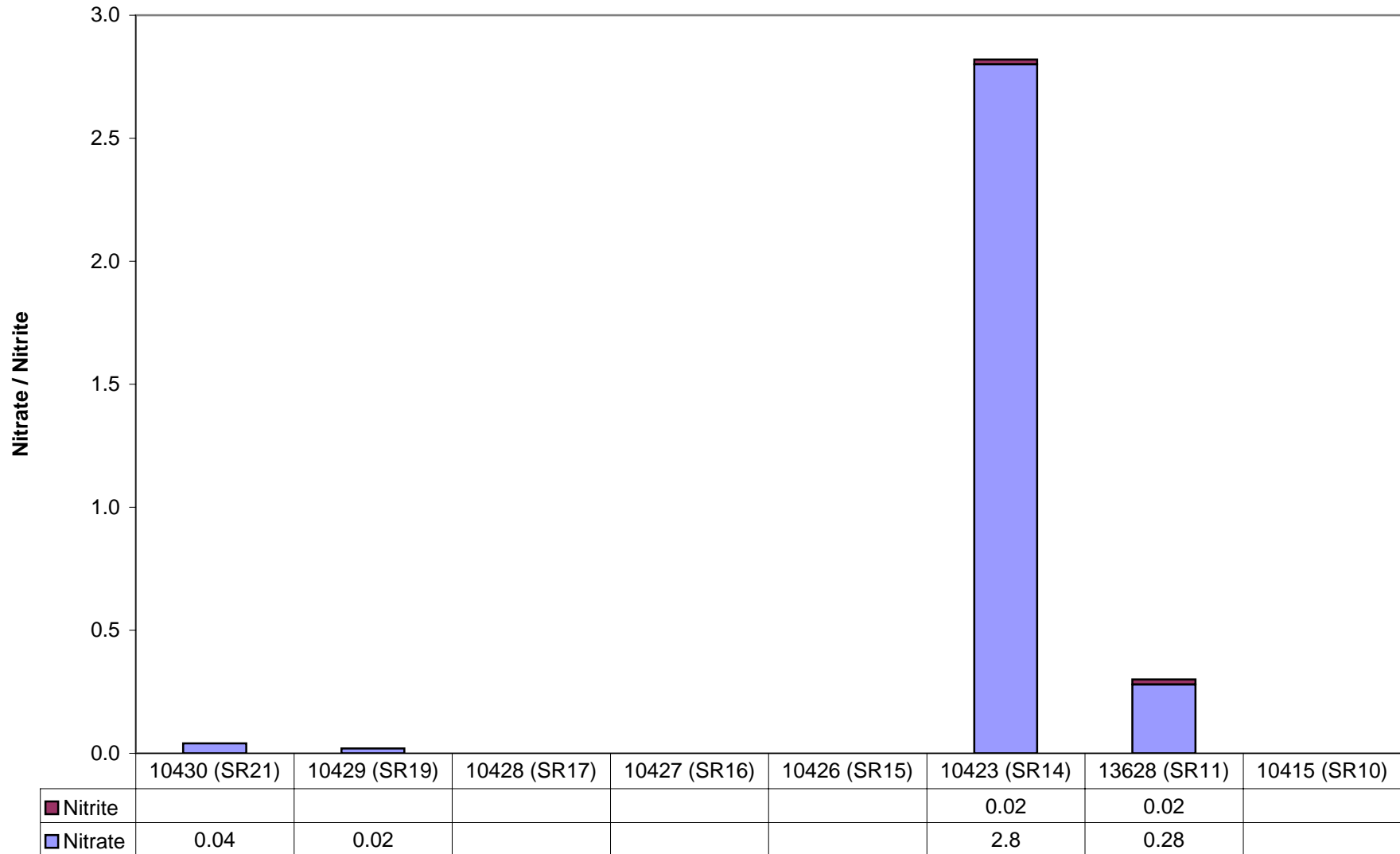


Stations without values below detection limit (< 0.02 mg/L) on this run (see page 2)

SABINE RIVER AUTHORITY OF TEXAS

September 2005

Upper Sabine Basin Nitrate / Nitrite (2 of 2)



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

SABINE RIVER AUTHORITY OF TEXAS

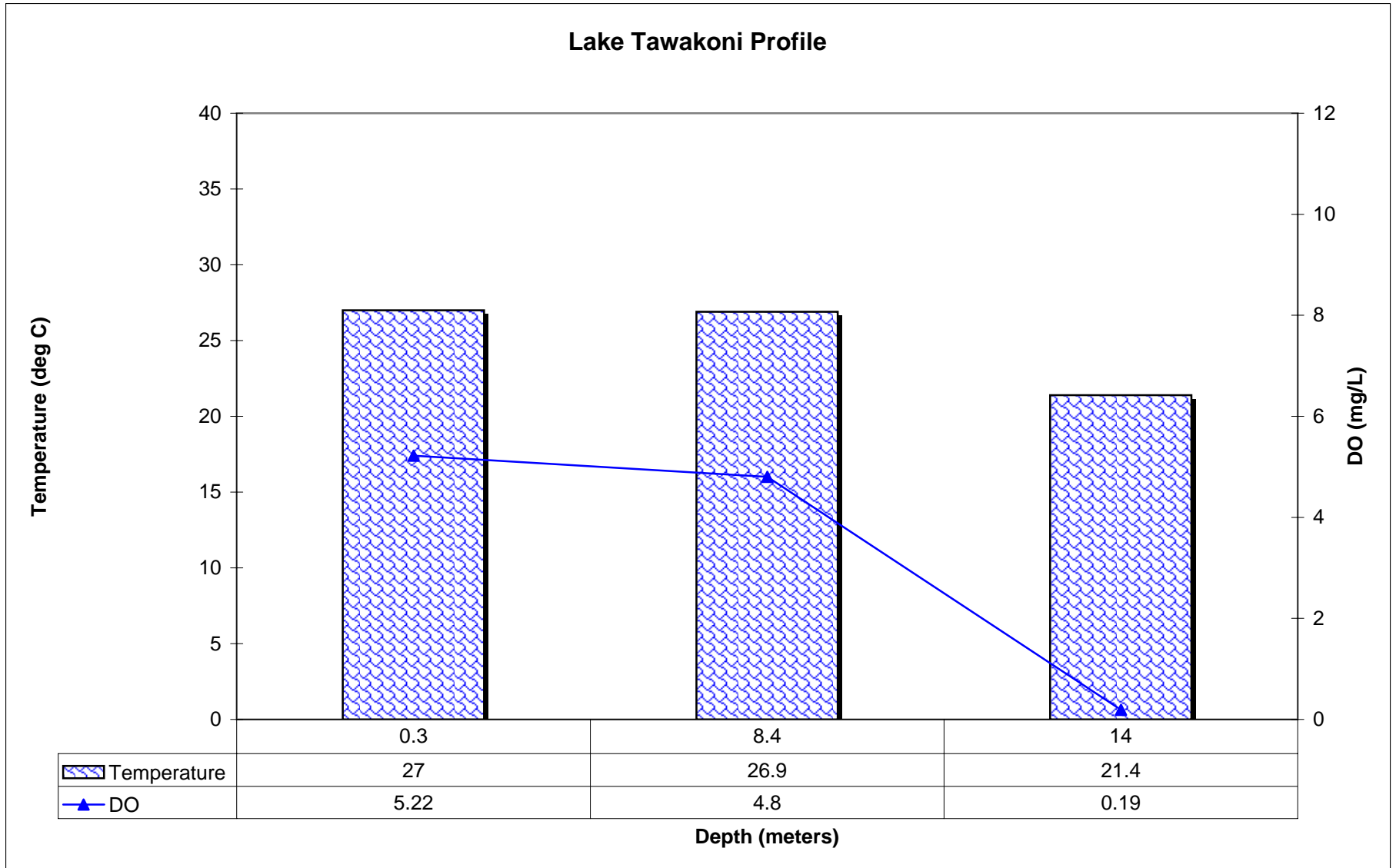
Upper Basin Profiles

September 2005

Date	SW ID	Station	Depth Meters	Temperature °C 00010	pH Units 00400	DO mg/L 00300	% Saturation 00301	Conductivity µS/cm 00094
9/13/05 12:00 PM	7.00	10440 (LT23C)	0.3	28.2	9.21	8.71	113	171
			1.2	28.1	9.18	8.42	110	171
			2.4	27.8	8.79	5.9	77	172
9/13/05 11:00 AM	7.00	10435 (LT23D)	0.3	27.8	8.46	6.12	79	193
			4.8	27.6	8.21	4.99	64	194
			7.5	27.6	8.03	4.31	55	194
9/13/05 9:59 AM	7.00	10434 (LT23A)	0.3	27	7.99	5.22	67	183
			8.4	26.9	7.89	4.8	61	184
			14	21.4	6.89	0.19	2	281
9/13/05 8:37 AM	6.12	10461 (LF3)	0.3	27.8	7.37	4.92	63	182
			6.9	27.8	7.28	4.21	53	183
			8.8	26.3	7.19	0.38	5	226
9/13/05 9:00 AM	6.12	10462 (LF4)	0.3	28.2	7.64	5.75	76	179
			8.6	28	7.44	4.99	65	179
			10.3	22.1	7.07	0.33	4	222
9/13/05 8:00 AM	6.12	10458 (LF2)	0.3	27.3	7.46	5.85	75	175
			6.7	27.2	7.35	5.57	71	175
			17.8	17.1	6.92	0.23	3	200

SABINE RIVER AUTHORITY OF TEXAS

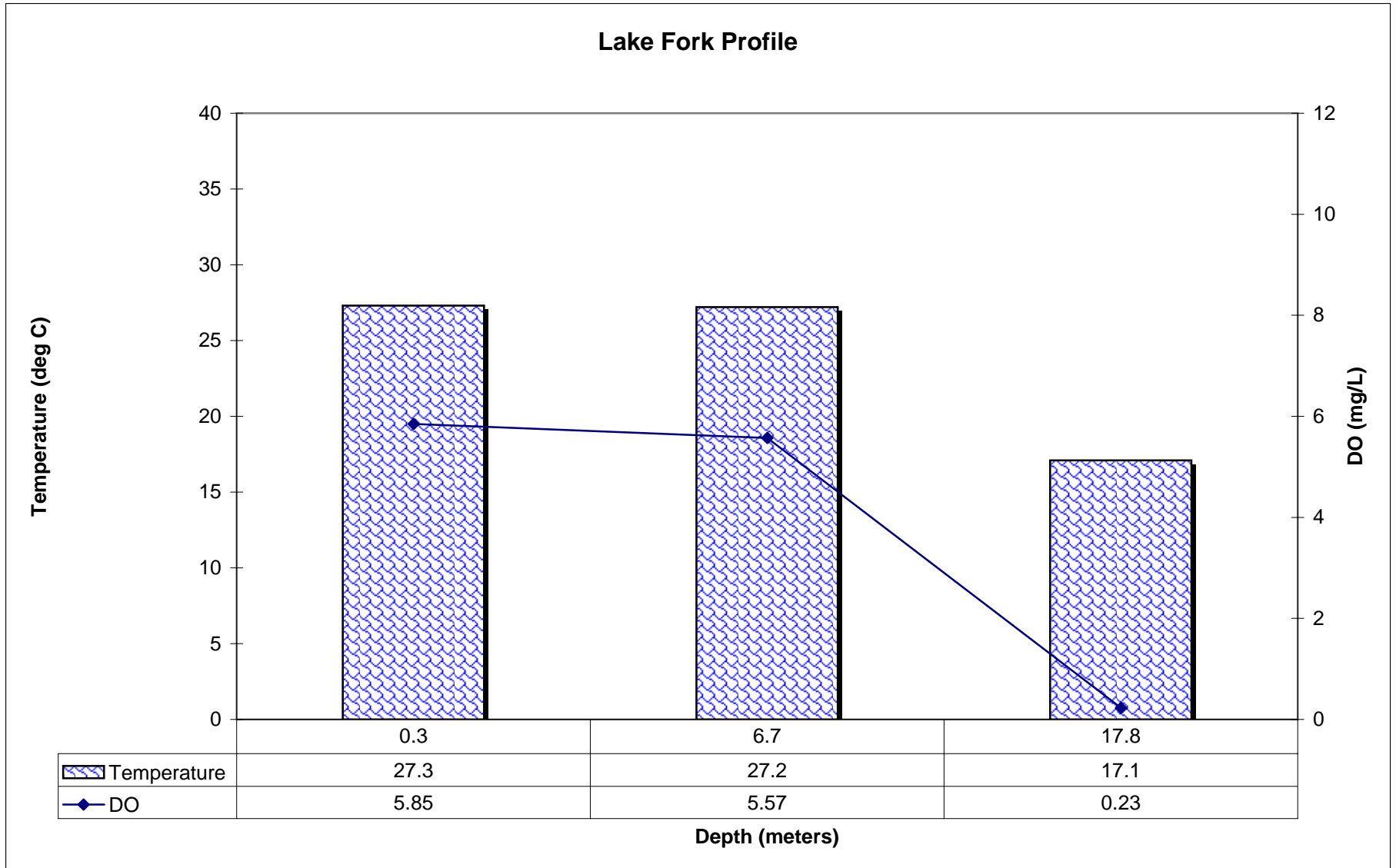
September 2005



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

SABINE RIVER AUTHORITY OF TEXAS

September 2005



SABINE RIVER AUTHORITY OF TEXAS

Lake Tawakoni Weather and Reservoir Data

September 2005

Date	Lake Elev	LE - TOP	Releases inst	Max Temp	Min Temp	Rainfall	Evap
9/1/2005	432.90	(4.60)	6	100	65	0.00	0.47
9/2/2005	432.86	(4.64)	6	102	68	0.00	0.42
9/3/2005	432.82	(4.68)	6	98	68	0.00	0.49
9/4/2005	432.77	(4.73)	6	98	68	0.00	0.45
9/5/2005	432.72	(4.78)	6	96	63	0.00	0.42
9/6/2005	432.68	(4.82)	6	94	65	0.00	0.36
9/7/2005	432.63	(4.87)	6	94	67	0.00	0.33
9/8/2005	432.60	(4.90)	6	93	64	0.00	0.37
9/9/2005	432.56	(4.94)	6	93	61	0.00	0.33
9/10/2005	432.51	(4.99)	6	95	63	0.00	0.38
9/11/2005	432.47	(5.03)	6	94	68	0.00	0.40
9/12/2005	432.46	(5.04)	6	94	67	0.00	0.25
9/13/2005	432.44	(5.06)	6	96	68	0.00	0.19
9/14/2005	432.41	(5.09)	6	96	74	0.00	0.36
9/15/2005	432.38	(5.12)	6	97	76	0.00	0.43
9/16/2005	432.37	(5.13)	6	95	67	0.20	0.20
9/17/2005	432.33	(5.17)	6	87	63	0.00	0.27
9/18/2005	432.29	(5.21)	6	97	63	0.00	0.27
9/19/2005	432.27	(5.23)	6	99	73	0.00	0.36
9/20/2005	432.25	(5.25)	6	99	74	0.00	0.33
9/21/2005	432.25	(5.25)	6	99	70	0.00	0.32
9/22/2005	432.23	(5.27)	6	101	71	0.00	0.38
9/23/2005	432.20	(5.30)	6	102	71	0.00	0.34
9/24/2005	432.30	(5.20)	6	96	73	0.00	0.34
9/25/2005	432.23	(5.27)	6	83	74	0.92	NR
9/26/2005	432.20	(5.30)	6	98	77	0.00	0.47
9/27/2005	432.18	(5.32)	6	101	75	0.00	0.29
9/28/2005	432.14	(5.36)	6	95	74	0.00	0.26
9/29/2005	432.12	(5.38)	6	97	60	0.36	0.49
9/30/2005	432.08	(5.42)	6	73	58	0.00	0.16
Avg or Tot	432.42	(5.08)	6	95	68	1.48	10.13

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

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

NR: No Reading

Lake Tawakoni Sampled on 9/13/2005

Saturday, September 24, 2005, 02:38 CDT, Hurricane Rita Strikes Gulf Coast ⁽¹⁾

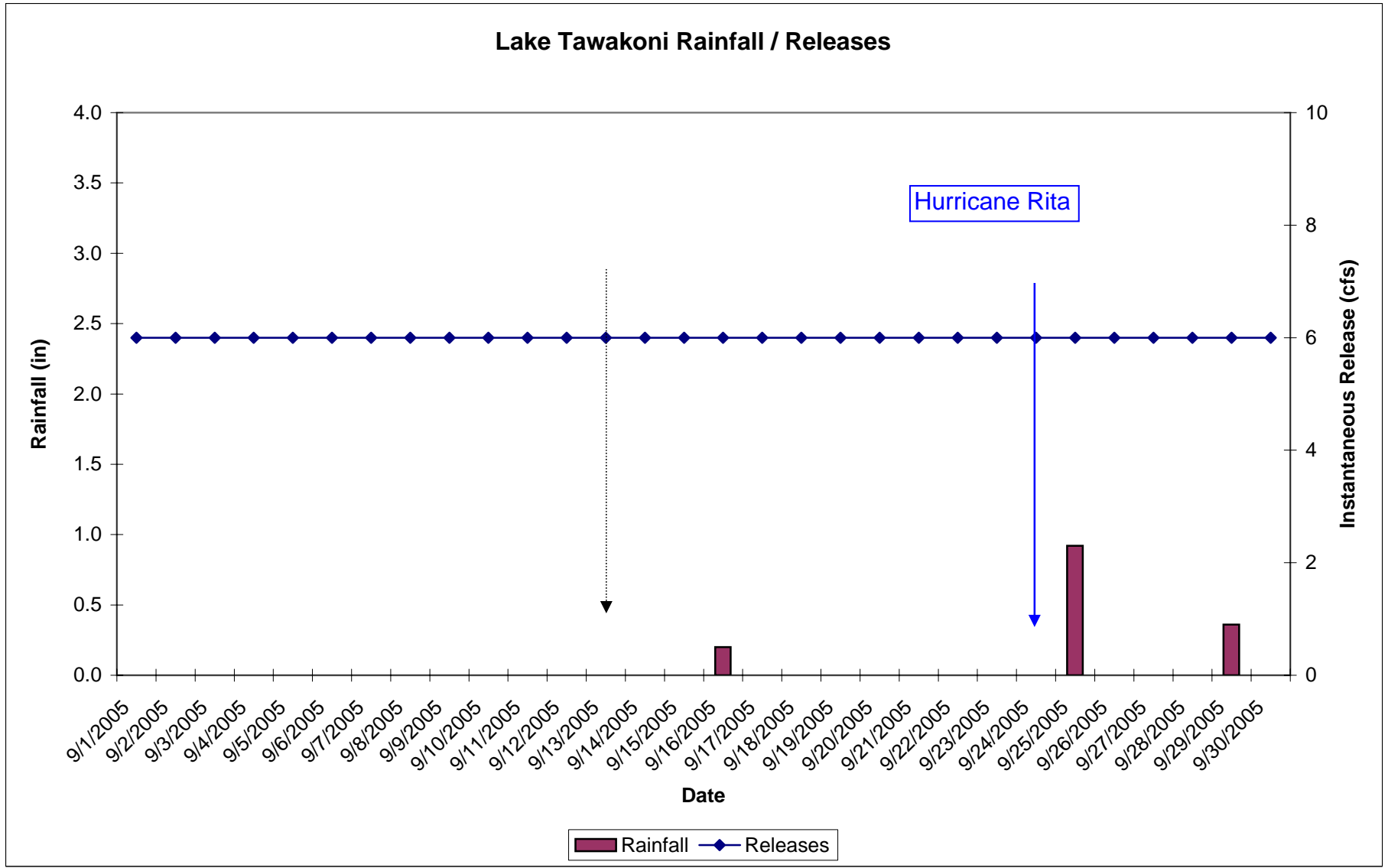
Lake Elev from USGS daily mean elevation
 USGS 08017400 Lk Tawakoni nr Wills Point, TX
http://waterdata.usgs.gov/bx/nwis/dv/?site_no=08017400&agency_cd=USGS
 Acquired 11/3/2005; provisional and subject to revision by USGS.

Other values measured by SRA-TX

(1) http://en.wikipedia.org/wiki/Hurricane_Rita

SABINE RIVER AUTHORITY OF TEXAS

September 2005



Please Note : Lake Tawakoni has an uncontrolled spillway.

SABINE RIVER AUTHORITY OF TEXAS

Lake Fork Weather and Reservoir Data

September 2005

Date	Lake Elev	LE - TOP	Releases avg	Releases cur	Max Temp	Min Temp	Rainfall	Evap
9/1/2005	NR	NR	64	64	102	68	0.00	0.34
9/2/2005	NR	NR	64	64	102	68	0.00	0.33
9/3/2005	400.59	(2.41)	64	64	98	66	0.00	0.22
9/4/2005	400.56	(2.44)	64	64	98	68	0.00	0.36
9/5/2005	400.53	(2.47)	64	64	98	66	0.00	0.44
9/6/2005	400.50	(2.50)	64	64	96	67	0.00	0.48
9/7/2005	400.48	(2.52)	64	64	96	66	0.00	0.24
9/8/2005	400.46	(2.54)	64	64	94	60	0.00	0.42
9/9/2005	400.43	(2.57)	64	64	96	60	0.00	0.28
9/10/2005	400.40	(2.60)	64	64	96	62	0.00	0.45
9/11/2005	400.38	(2.62)	64	64	98	66	0.00	0.31
9/12/2005	400.35	(2.65)	64	64	96	66	0.00	0.24
9/13/2005	400.34	(2.66)	64	64	94	68	0.00	0.36
9/14/2005	400.32	(2.68)	64	64	96	72	0.00	0.30
9/15/2005	400.31	(2.69)	64	64	98	74	0.00	0.30
9/16/2005	400.28	(2.72)	64	64	98	68	0.09	0.47
9/17/2005	400.26	(2.74)	64	64	100	66	0.00	0.09
9/18/2005	400.24	(2.76)	64	64	100	74	0.00	0.26
9/19/2005	400.23	(2.77)	64	64	100	72	0.00	0.41
9/20/2005	400.21	(2.79)	64	64	100	68	0.00	0.38
9/21/2005	400.20	(2.80)	64	64	106	68	0.00	0.39
9/22/2005	400.17	(2.83)	64	64	104	68	0.00	0.44
9/23/2005	400.16	(2.84)	64	64	104	68	0.00	0.37
9/24/2005	400.24	(2.76)	64	64	98	72	0.00	0.39
9/25/2005	400.22	(2.78)	64	64	86	68	1.83	0.05
9/26/2005	400.19	(2.81)	64	64	99	73	0.00	0.26
9/27/2005	400.18	(2.82)	64	64	102	74	0.00	0.31
9/28/2005	400.16	(2.84)	64	64	98	72	0.00	0.30
9/29/2005	400.15	(2.85)	64	64	98	62	0.03	0.28
9/30/2005	400.09	(2.91)	64	64	84	56	0.00	0.21
Avg or Tot	400.31	(2.69)	64	64	98	68	1.95	9.68

	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

Lake Fork Sampled on 9/13/2005

Saturday, September 24, 2005, 02:38 CDT, Hurricane Rita Stikes Gulf Coast ⁽¹⁾

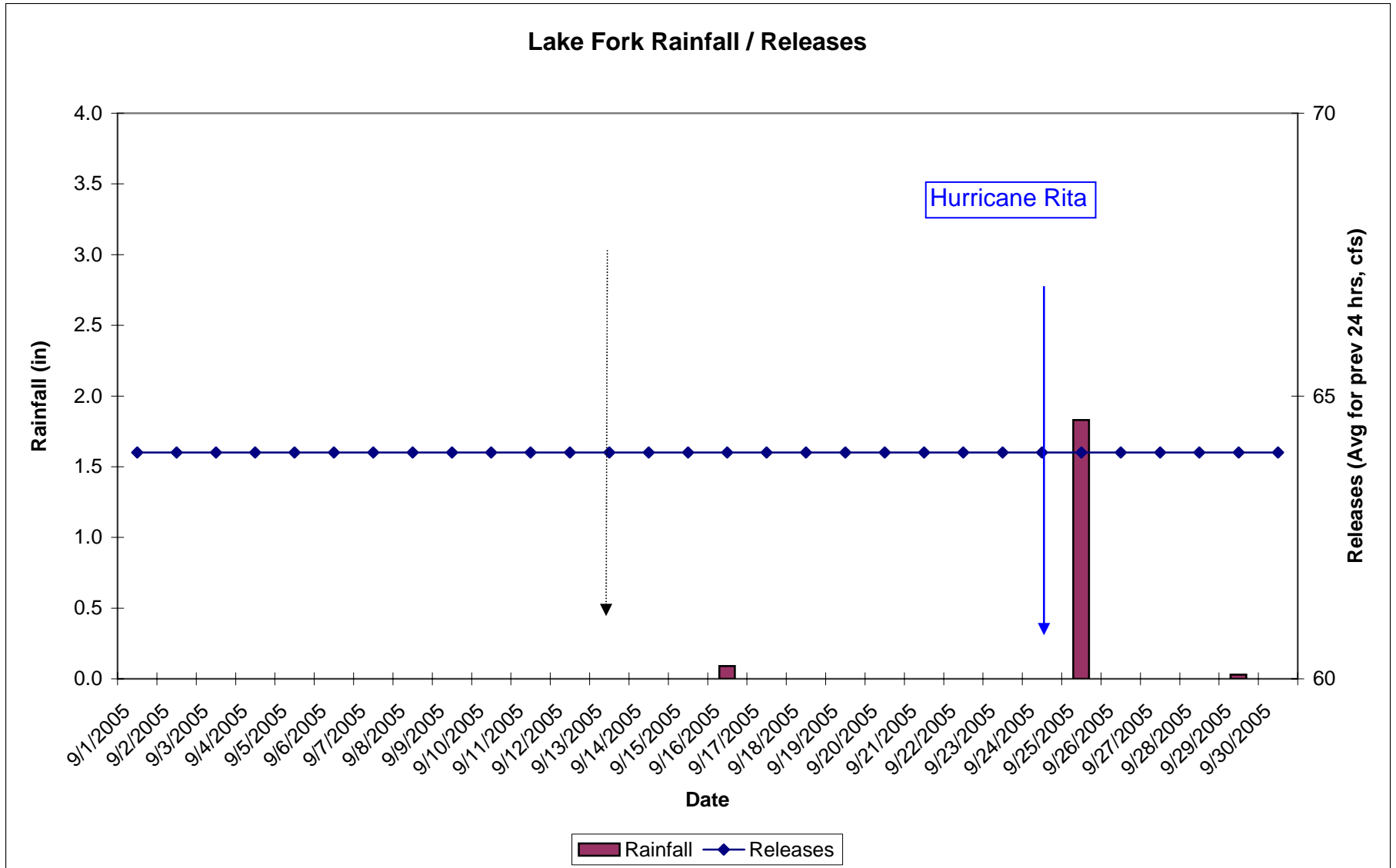
Lake Elev from USGS daily mean elevation
 USGS 08018800 Lake Fork Res nr Quitman, TX
http://waterdata.usgs.gov/bx/nwis/dv/?site_no=08018800&agency_cd=USGS
 Acquired 11/3/2005; provisional and subject to revision by USGS.

Other values measured by SRA-TX

(1) http://en.wikipedia.org/wiki/Hurricane_Rita

SABINE RIVER AUTHORITY OF TEXAS

September 2005



THIS PAGE INTENTIONALLY LEFT BLANK

FY 2006 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
3.08	0503	15660 (BT1)	BAYOU TORO AT LA SH 392 IN SABINE PARISH SW OF HORNBECK LA
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

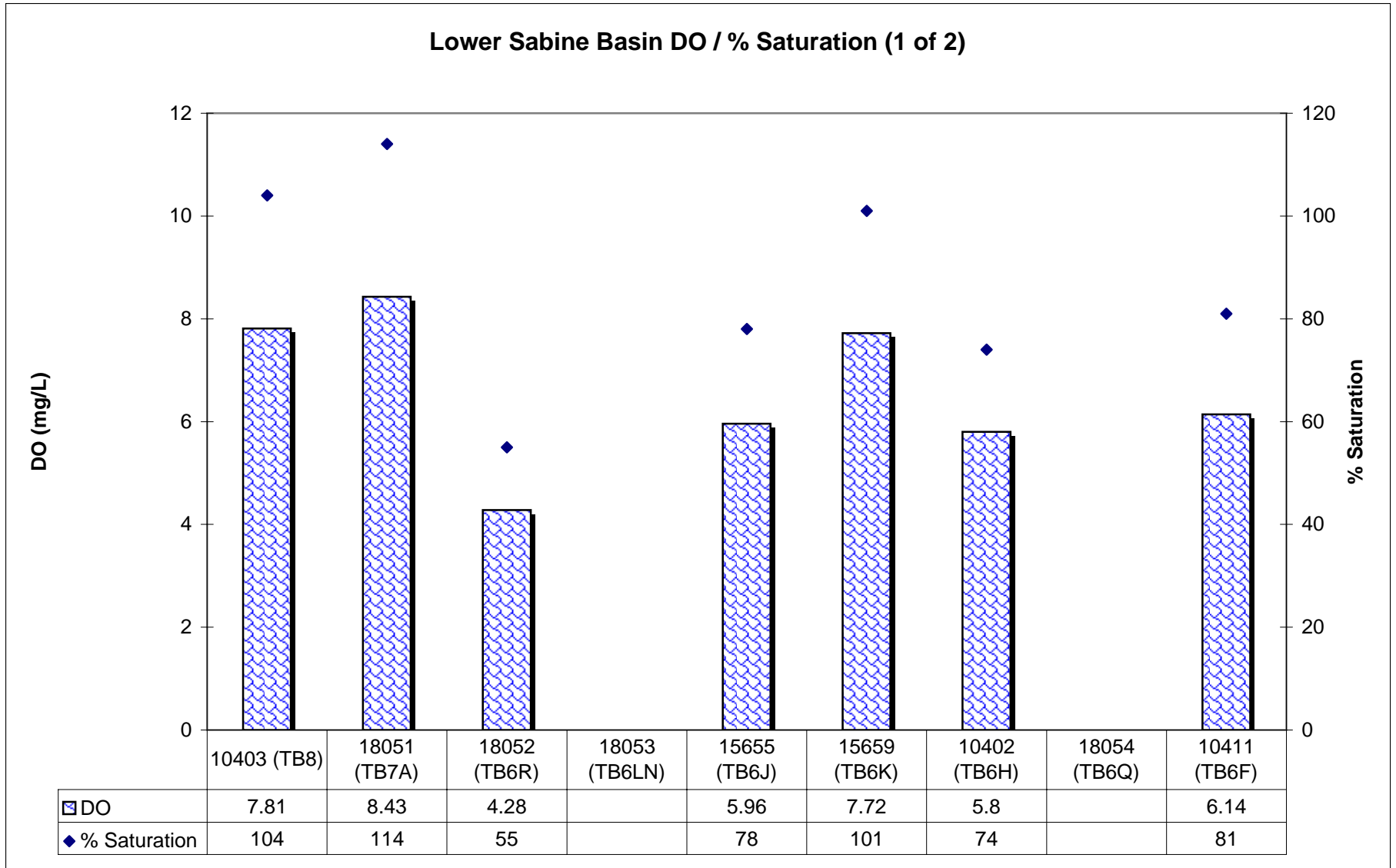
September 2005

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
9/14/05 11:09 AM	4.00	10403 (TB8)	29.6	8.19	7.81	104	590	*	0.49	10.6	77	*	0.05	0.09	< 0.04	*	90	100	74.4	80.4
9/14/05 12:09 PM	4.00	18051 (TB7A)	30.6	7.87	8.43	114	537	*	0.55	5.7	35	*	0.08	0.03	< 0.04	*	80	108	71.1	65.6
9/12/05 10:15 AM	4.00	18052 (TB6R)	28.1	7.19	4.28	55	224	*	0.5	6.5	< 1	51	< 0.02	< 0.02	< 0.04	8	40	56	27.9	19.5
*	4.00	18053 (TB6LN)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9/13/05 10:40 AM	4.00	15655 (TB6J)	29.1	7.69	5.96	78	189	*	0.36	10.7	< 1	*	< 0.02	0.02	< 0.04	8	40	48	23.5	21
9/13/05 12:30 PM	4.00	15659 (TB6K)	28.9	7.72	7.72	101	182	*	0.52	4.91	< 1	*	< 0.02	< 0.02	< 0.04	8	40	48	23.1	18.8
9/12/05 11:35 AM	4.00	10402 (TB6H)	28.4	7.39	5.8	74	181	*	*	2.99	1	20	< 0.02	< 0.02	< 0.04	8	30	44	23.2	19.3
*	4.00	18054 (TB6Q)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9/13/05 11:02 AM	4.00	10411 (TB6F)	29.2	6.92	6.14	81	147	*	0.45	8.65	< 1	*	< 0.02	0.02	< 0.04	7	30	44	17.8	17.6
9/13/05 10:03 AM	4.00	10407 (TB6CN)	28.3	6.85	5.53	71	149	*	0.38	12.9	2	*	< 0.02	0.02	< 0.04	8	30	40	18.4	17.6
9/12/05 2:30 PM	4.00	10404 (TB6A)	29.2	7.4	6.94	91	146	*	2.14	0.98	< 1	5	< 0.02	< 0.02	< 0.04	6	20	40	18	18.9
9/13/05 1:20 PM	3.08	15660 (BT1)	26.6	6.87	6.4	80	102	*	0.38	12.8	4	*	< 0.02	0.02	< 0.04	5	30	28	10.8	< 10
9/14/05 12:25 PM	3.03	10340 (BA4)	28.8	7.35	6.47	84	622	*	0.32	10.5	17	*	< 0.02	0.21	0.16	14	90	60	24.4	159
9/14/05 10:40 AM	3.00	10401 (TB6S)	20.3	6.7	7.12	79	138	*	> 1.22	1.65	3	*	< 0.02	0.04	< 0.04	7	30	40	15.5	12.8
9/14/05 11:55 AM	3.00	10399 (SR5)	27.6	6.96	6.15	78	146	*	0.59	2.73	23	8	< 0.02	0.02	< 0.04	7	30	40	16.8	17.2
9/14/05 12:45 PM	3.00	10398 (SR3)	28.3	7.19	7.21	92	152	*	0.5	4.97	11	5	< 0.02	0.02	< 0.04	6	30	40	16.6	20.2
9/14/05 9:15 AM	2.05	10465 (BCC1)	24.4	6.67	7.22	86	37	*	0.47	9.63	119	*	< 0.02	0.1	< 0.04	3	10	20	< 10	< 10
9/14/05 8:40 AM	2.00	10397 (SR2)	28.6	6.92	6.65	86	147	*	0.42	9.84	9	7	< 0.02	0.02	< 0.04	6	30	36	17.1	19.9

*: Not sampled on this run

SABINE RIVER AUTHORITY OF TEXAS

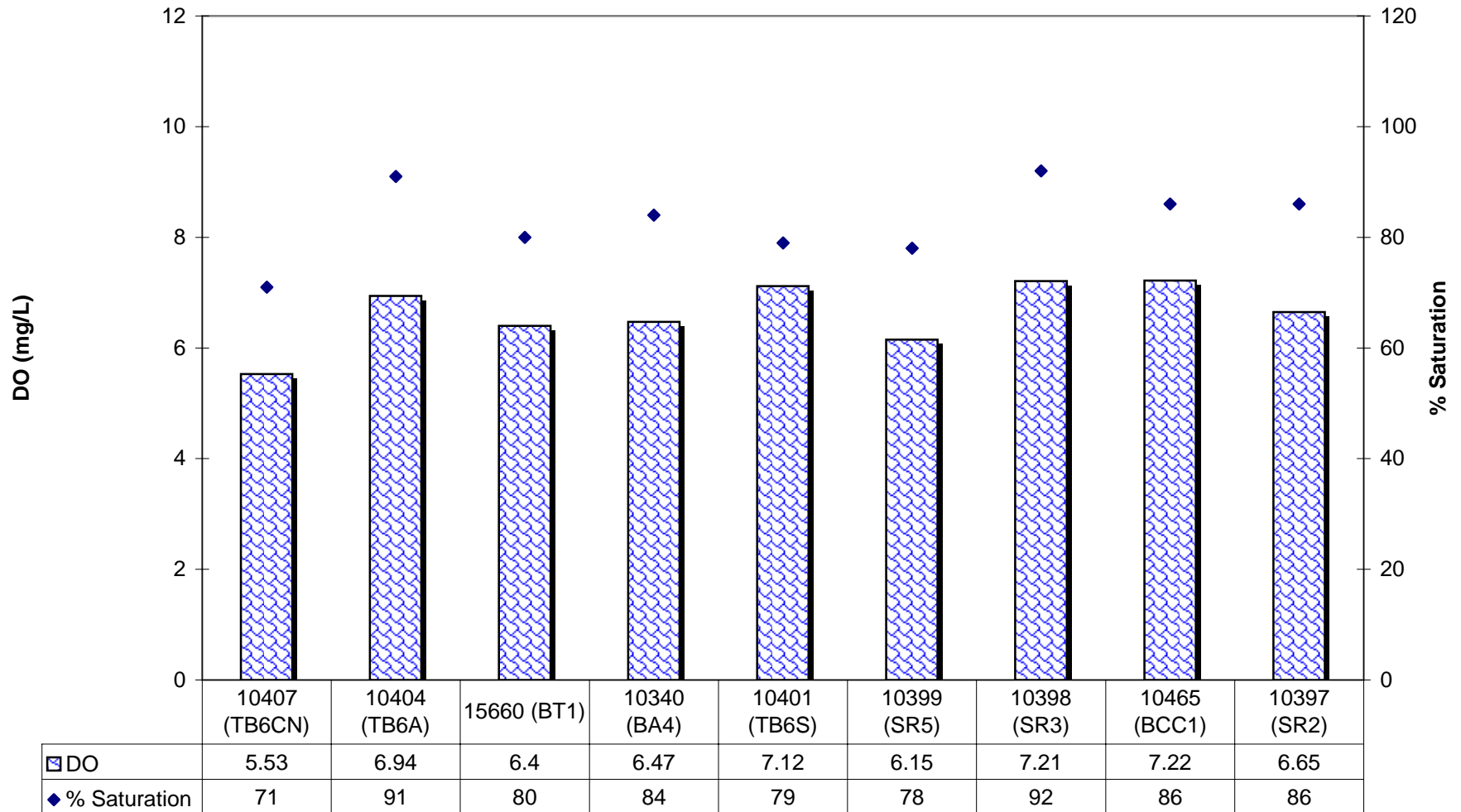
September 2005



SABINE RIVER AUTHORITY OF TEXAS

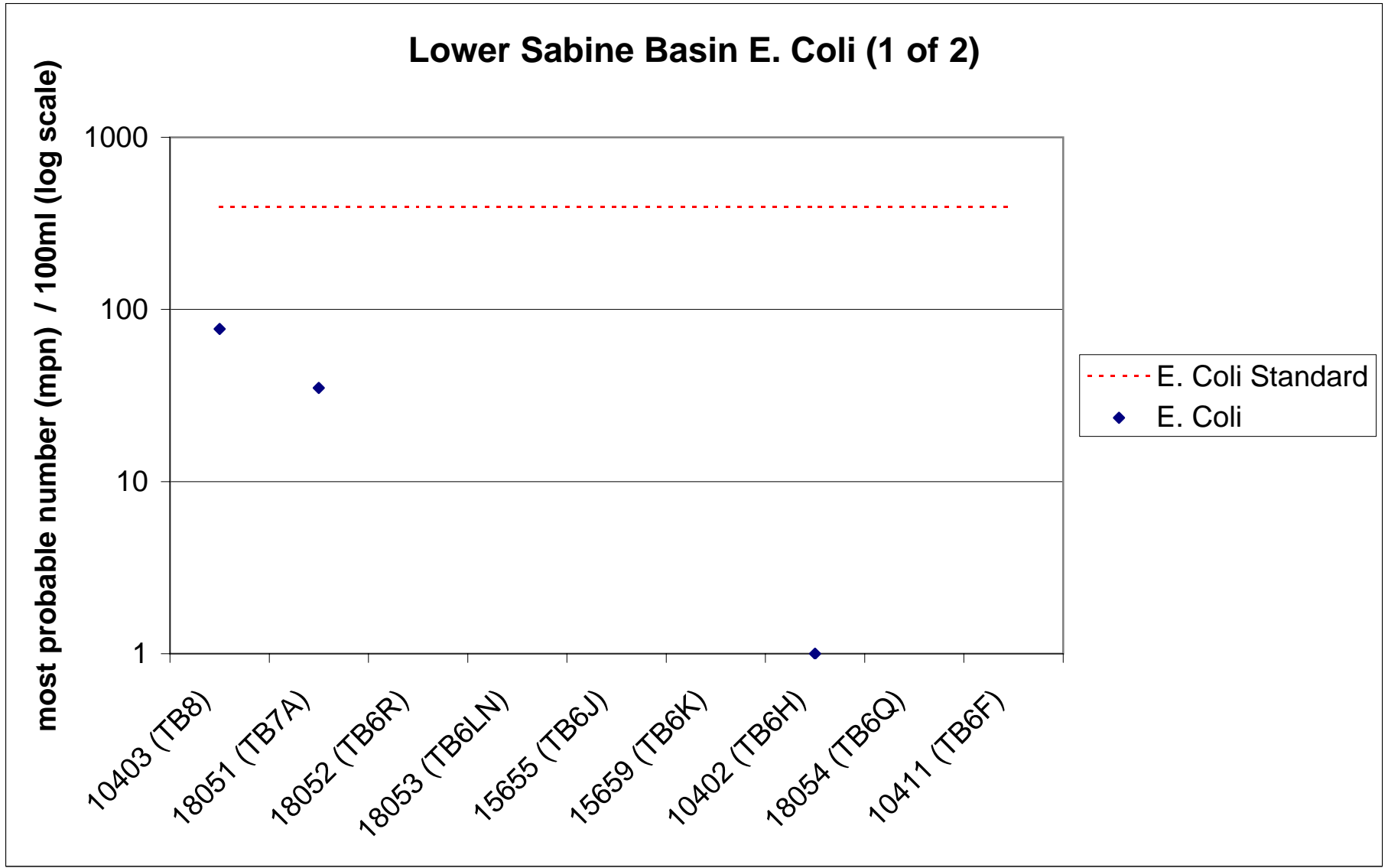
September 2005

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



SABINE RIVER AUTHORITY OF TEXAS

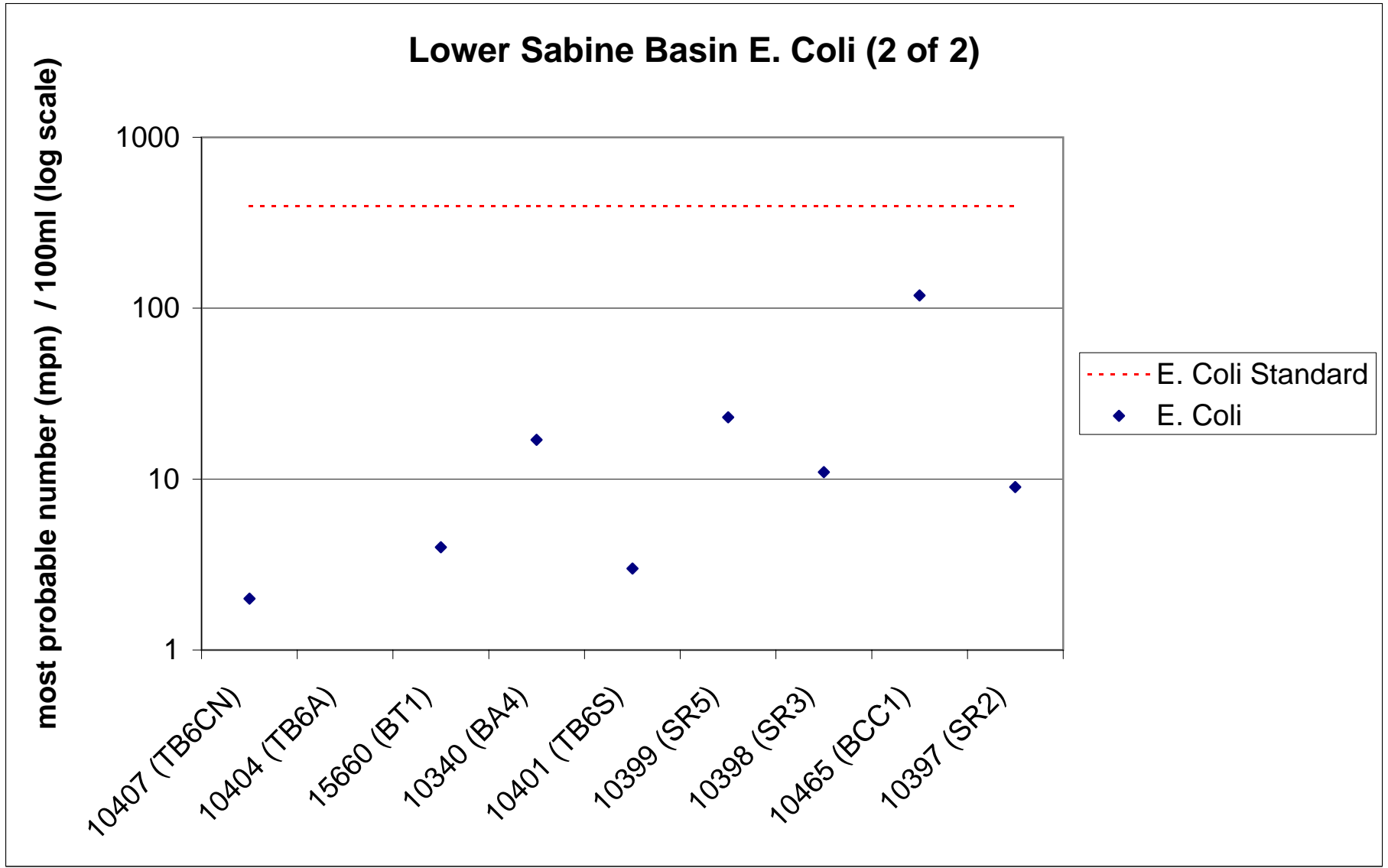
September 2005



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

SABINE RIVER AUTHORITY OF TEXAS

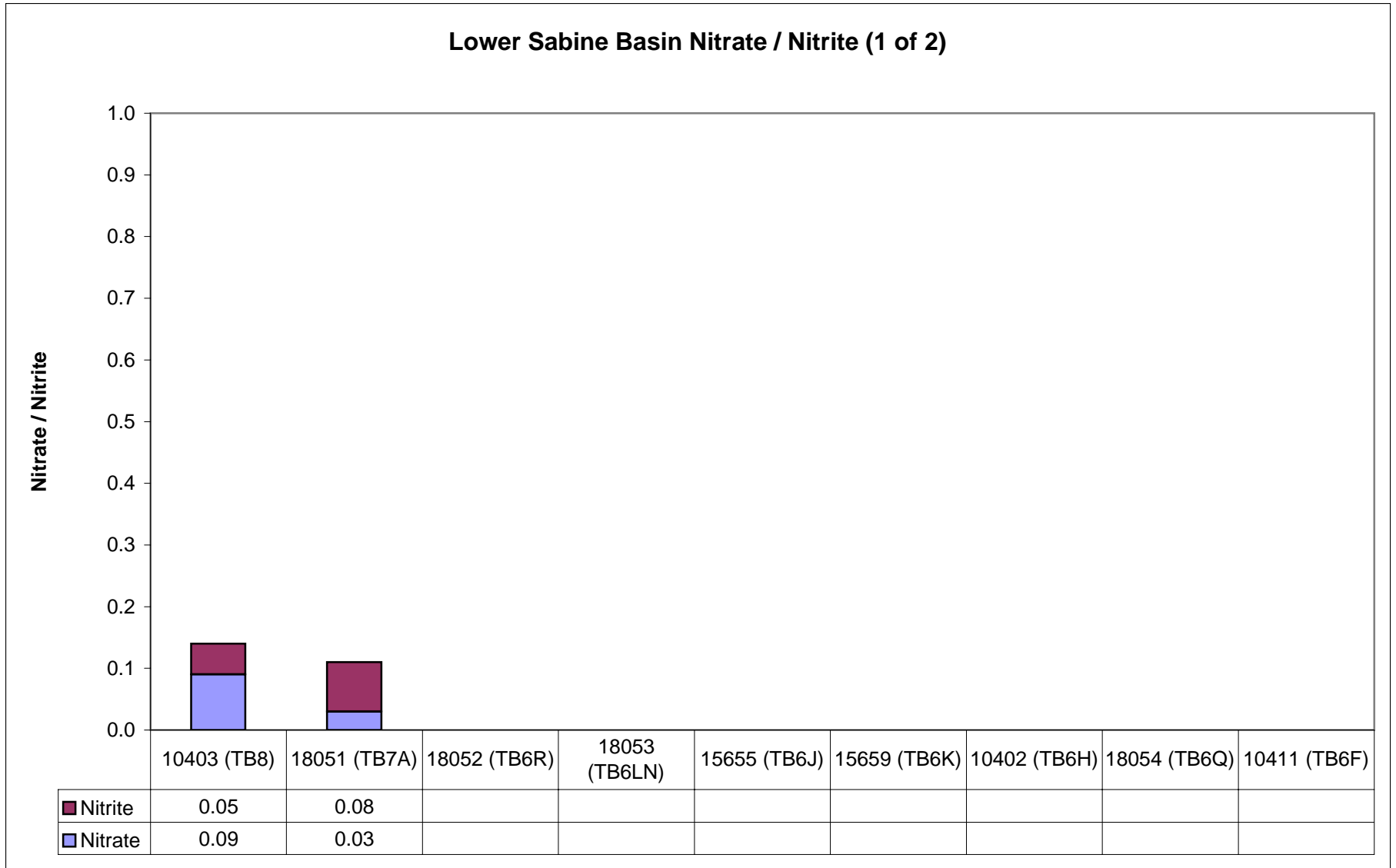
September 2005



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

SABINE RIVER AUTHORITY OF TEXAS

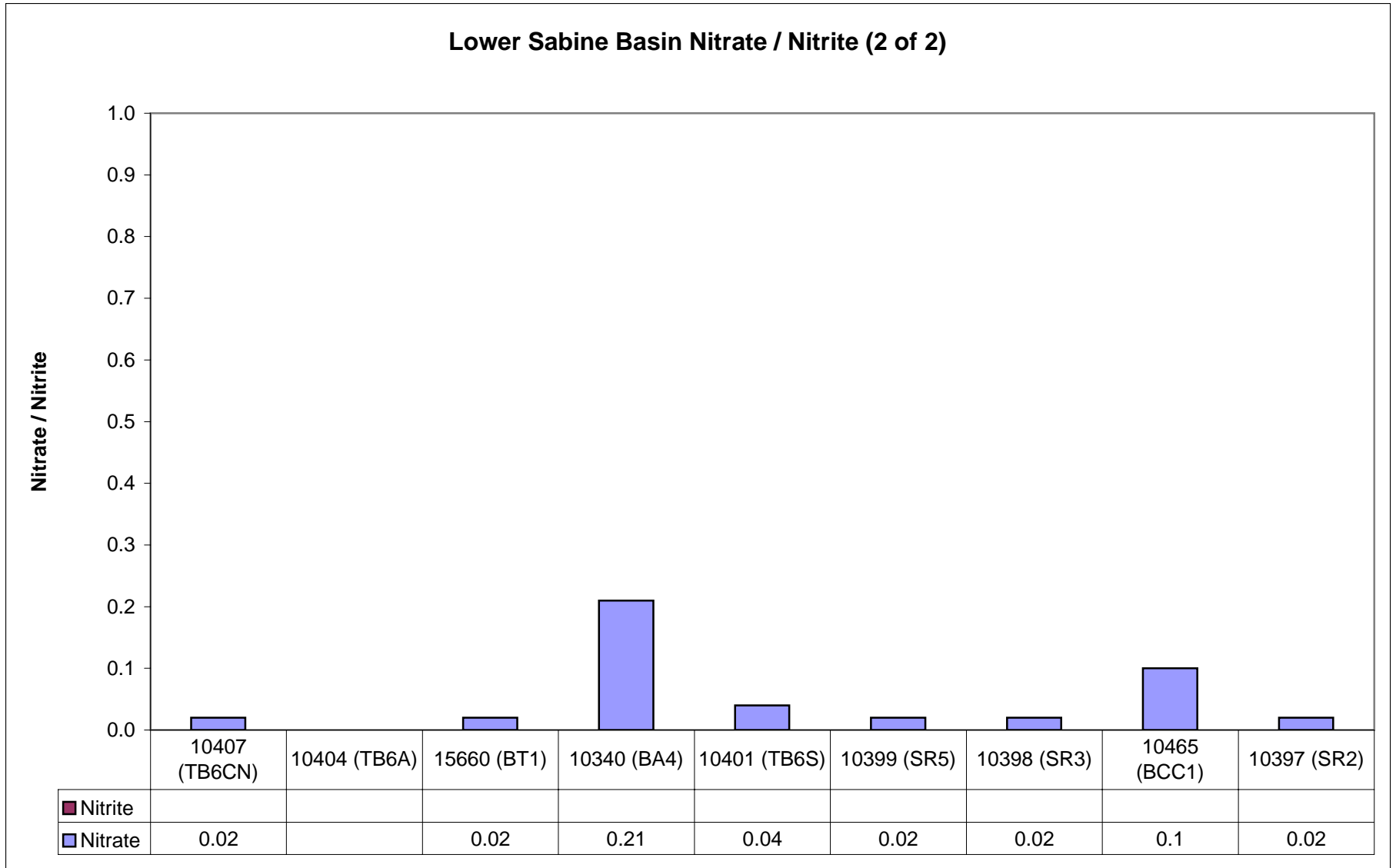
September 2005



Stations without values were not sampled or below detection limit (< 0.02 mg/L) on this run (see page 18)

SABINE RIVER AUTHORITY OF TEXAS

September 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

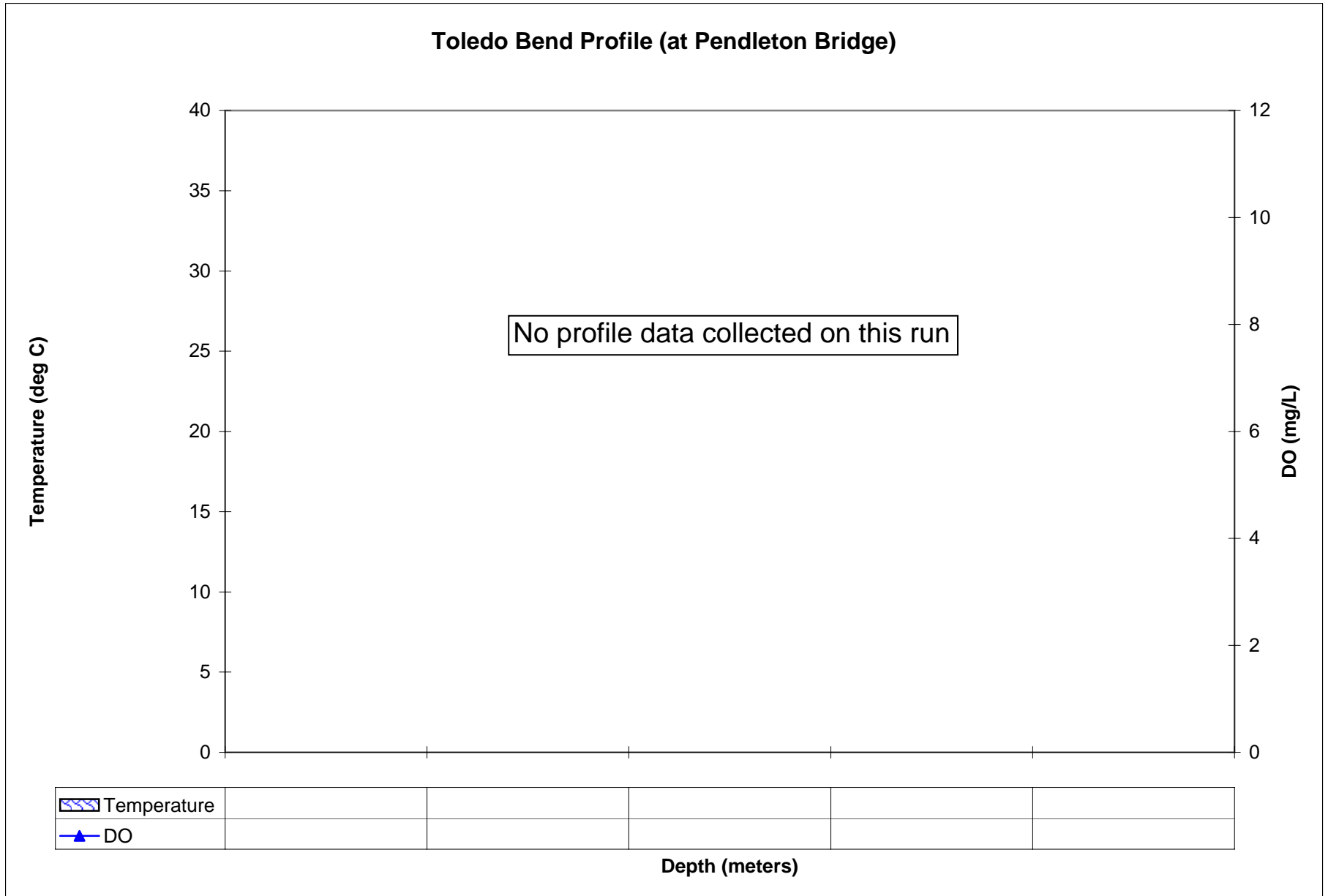
September 2005

Date	SW ID	Station	Depth Meters	Temperature °C 00010	pH Units 00400	DO mg/L 00300	% Saturation 00301	Conductivity μS/cm 00094
9/14/05 11:09 AM	4.00	10403 (TB8)	0.3	29.6	8.19	7.81	104	590
			4.5	28.8	7.25	1.11	15	576
			9	28.7	7.2	0.55	7	577
9/12/05 10:15 AM	4.00	18052 (TB6R)	0.3	28.1	7.19	4.28	55	224
			3.5	27.9	7.04	3.16	40	226
			6.3	27.3	6.93	1.63	21	222
			13.7	22.6	6.82	0.37	4	257
9/13/05 10:40 AM	4.00	15655 (TB6J)	0.3	29.1	7.69	5.96	78	189
			2.3	29	7.38	4.82	62	188
9/13/05 12:30 PM	4.00	15659 (TB6K)	0.3	28.9	7.72	7.72	101	182
			2	28.2	7.45	4.67	60	186
			3.5	27.9	6.74	1.42	18	188
			6.8	27.6	6.78	0.37	4	198
9/12/05 11:35 AM	4.00	10402 (TB6H)	0.3	28.4	7.39	5.8	74	181
9/13/05 11:02 AM	4.00	10411 (TB6F)	0.3	29.2	6.92	6.14	81	147
			3	28.9	6.74	2.67	34	149
9/13/05 10:03 AM	4.00	10407 (TB6CN)	0.3	28.3	6.85	5.53	71	149
			2.5	28.1	6.8	5.31	68	149
			4.6	27.9	6.78	4.91	62	150
9/12/2005 14:30	4.00	10404 (TB6A)	0.3	29.2	7.4	6.94	91	146
			2.5	28.2	6.9	6.38	81	144
			5	27.6	6.53	4.08	52	144
			10	19.9	6.38	0.34	4	141
			23.1	16.9	6.59	0.41	4	148

Station 10402 (TB6H): No profile data collected on this run

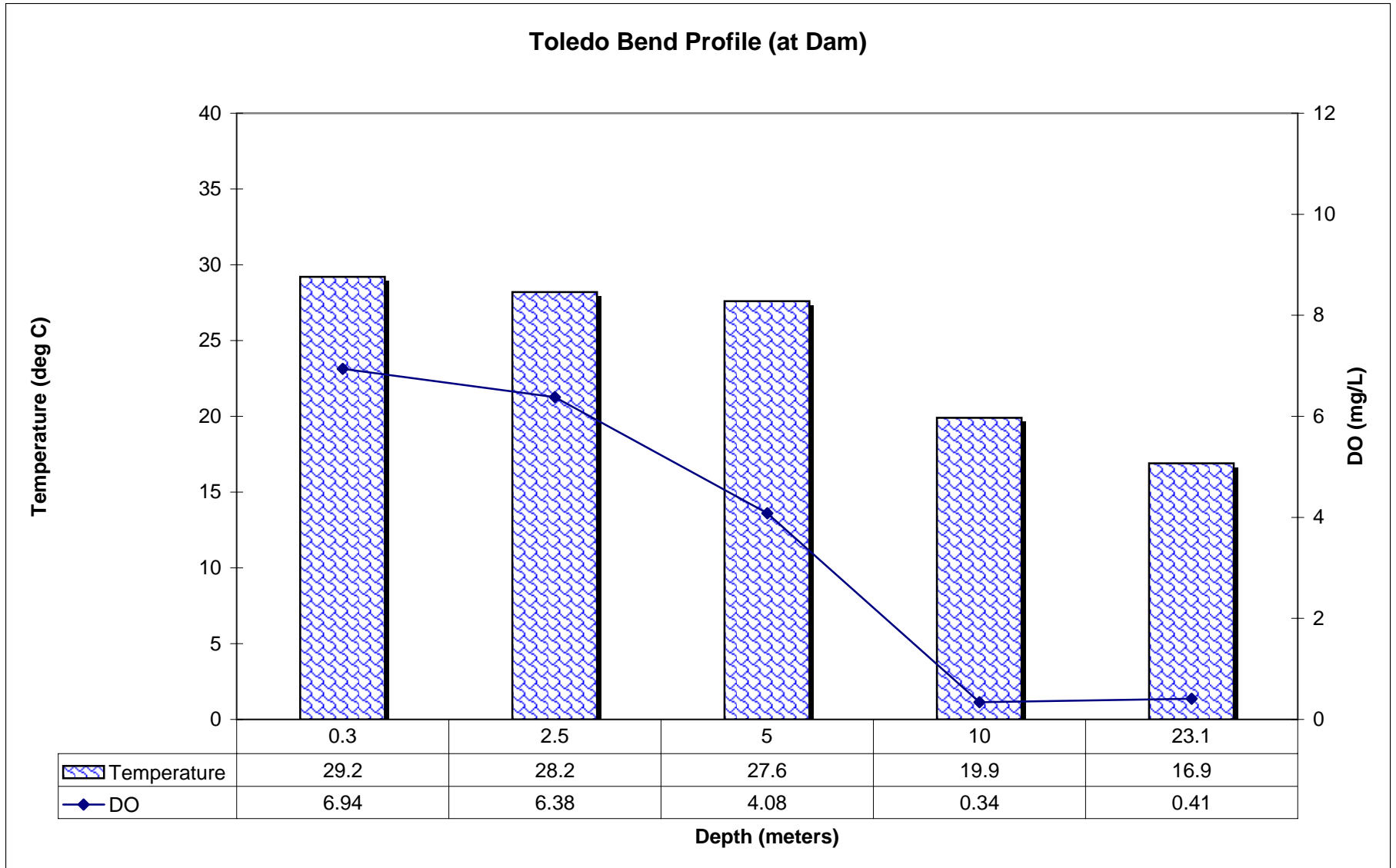
SABINE RIVER AUTHORITY OF TEXAS

September 2005



SABINE RIVER AUTHORITY OF TEXAS

September 2005



SABINE RIVER AUTHORITY OF TEXAS

Toledo Bend Weather and Reservoir Data

September 2005

Date	Lake Elev	LE - TOP	Max Temp	Min Temp	Rainfall	Evaporation	Daily Releases cfs	Daily Releases ac ft	Current Release
9/1/2005	164.29	(7.71)	OUT	OUT	0.00	0.33	4,716	9,354	204
9/2/2005	164.23	(7.77)	OUT	OUT	0.00	0.12	4,778	9,477	204
9/3/2005	164.17	(7.83)	OUT	OUT	0.00	0.30	3,460	6,863	204
9/4/2005	164.17	(7.83)	OUT	OUT	0.00	0.31	204	405	204
9/5/2005	164.13	(7.87)	OUT	OUT	0.00	0.36	204	405	204
9/6/2005	164.00	(8.00)	OUT	OUT	0.00	0.28	4,821	9,562	204
9/7/2005	163.94	(8.06)	OUT	OUT	0.00	0.32	4,839	9,598	204
9/8/2005	163.83	(8.17)	94	69	0.00	0.26	4,867	9,654	204
9/9/2005	163.75	(8.25)	90	68	0.00	0.30	4,801	9,523	204
9/10/2005	163.66	(8.34)	92	69	0.00	0.30	3,208	6,363	204
9/11/2005	163.64	(8.36)	94	68	0.00	0.30	204	405	204
9/12/2005	163.52	(8.48)	92	69	0.00	0.33	3,585	7,111	204
9/13/2005	163.44	(8.56)	93	69	0.00	0.32	3,568	7,077	204
9/14/2005	163.37	(8.63)	94	70	0.00	0.23	3,534	7,010	204
9/15/2005	163.29	(8.71)	96	72	0.00	0.32	3,523	6,988	204
9/16/2005	163.29	(8.71)	96	73	0.00	0.25	3,719	7,377	204
9/17/2005	163.26	(8.74)	91	72	0.00	0.15	2,878	5,708	204
9/18/2005	163.23	(8.77)	98	72	0.00	0.30	204	405	204
9/19/2005	163.16	(8.84)	98	73	0.00	0.29	3,534	7,010	204
9/20/2005	163.11	(8.89)	97	72	0.00	0.29	3,616	7,172	204
9/21/2005	163.05	(8.95)	97	74	0.00	0.32	OUT	OUT	204
9/22/2005	162.98	(9.02)	OUT	OUT	OUT	OUT	OUT	OUT	OUT
9/23/2005	163.06	(8.94)	OUT	OUT	OUT	OUT	OUT	OUT	OUT
9/24/2005	163.22	(8.78)	89	73	4.00	NR	204	405	204
9/25/2005	163.49	(8.51)	77	71	0.39	NR	204	405	204
9/26/2005	163.63	(8.37)	95	75	0.00	NR	204	405	204
9/27/2005	163.74	(8.26)	96	75	0.00	NR	204	405	204
9/28/2005	163.81	(8.19)	93	73	0.00	NR	204	405	204
9/29/2005	163.96	(8.04)	93	73	0.00	0.18	204	405	204
9/30/2005	163.90	(8.10)	78	59	0.00	0.16	204	405	204
Avg or Tot	163.61	(8.39)	93	71	4.39	6.32	2,433	130,302	

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.

OUT: Gage Out

NR: No Reading

Toledo Bend Sampled on 9/12,13,14/2005

Saturday, September 24, 2005, 02:38 CDT, Hurricane Rita Strikes Gulf Coast⁽¹⁾

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

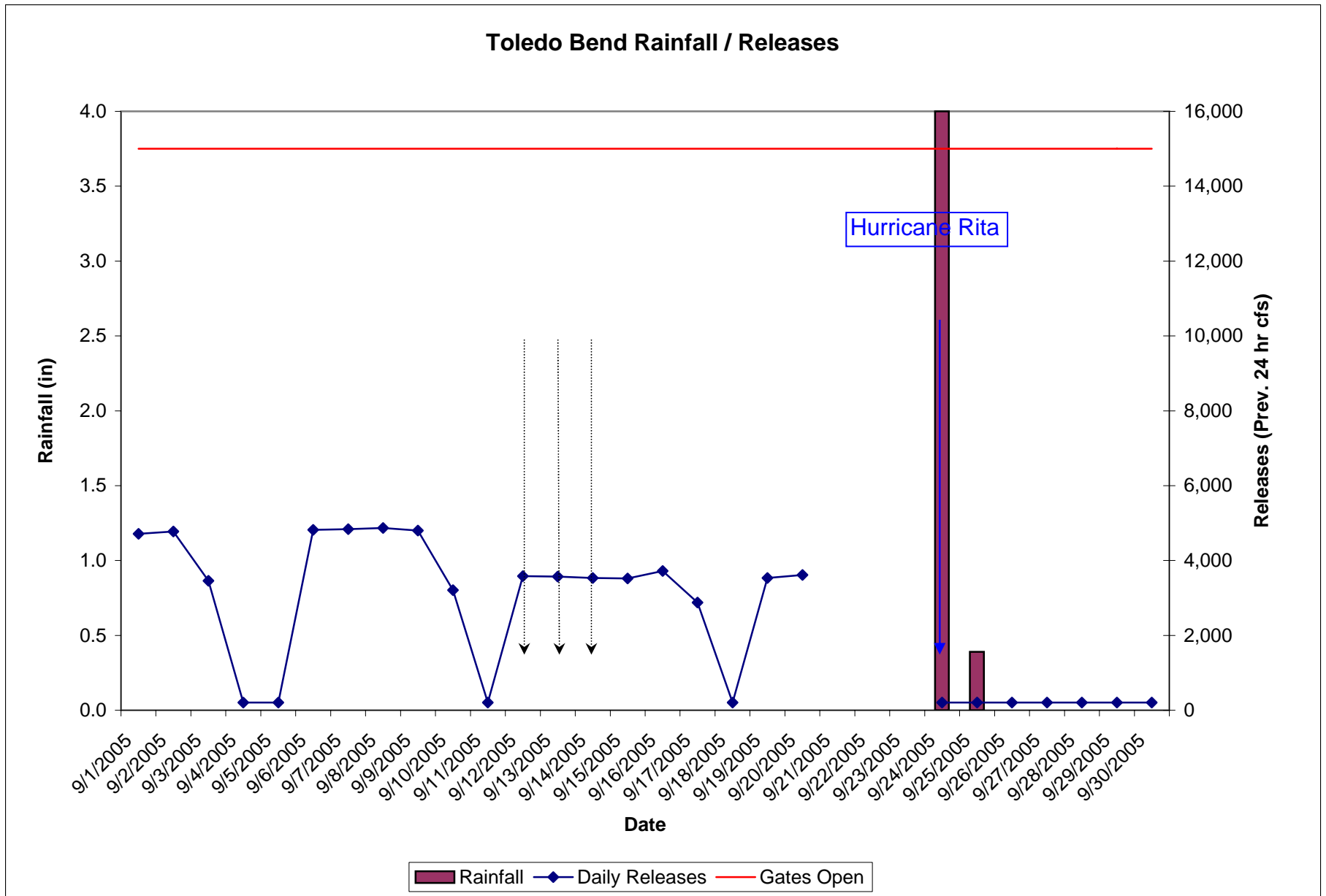
Acquired 11/3/2005; provisional and subject to revision by USGS.

Other values measured by SRA-TX

(1) http://en.wikipedia.org/wiki/Hurricane_Rita

SABINE RIVER AUTHORITY OF TEXAS

September 2005



Toledo Bend sampled on 9/12,13,14/2005

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

SABINE RIVER AUTHORITY OF TEXAS

Burkeville Weather and River Data

September 2005

Date	Rainfall	Gauge Height	GH - FS	Flow
9/1/2005	OUT	18.21	(19.79)	5,350
9/2/2005	OUT	17.93	(20.07)	5,050
9/3/2005	OUT	17.33	(20.67)	4,330
9/4/2005	OUT	14.80	(23.20)	2,100
9/5/2005	OUT	12.27	(25.73)	470
9/6/2005	OUT	14.74	(23.26)	2,720
9/7/2005	OUT	17.82	(20.18)	4,940
9/8/2005	OUT	17.93	(20.07)	5,060
9/9/2005	OUT	17.93	(20.07)	5,050
9/10/2005	OUT	17.21	(20.79)	4,200
9/11/2005	OUT	14.72	(23.28)	2,020
9/12/2005	OUT	14.23	(23.77)	2,080
9/13/2005	OUT	16.65	(21.35)	3,690
9/14/2005	OUT	16.68	(21.32)	3,720
9/15/2005	OUT	16.69	(21.31)	3,730
9/16/2005	OUT	16.78	(21.22)	3,830
9/17/2005	OUT	16.43	(21.57)	3,430
9/18/2005	OUT	14.53	(23.47)	1,870
9/19/2005	OUT	14.22	(23.78)	2,090
9/20/2005	OUT	16.71	(21.29)	3,750
9/21/2005	OUT	16.66	(21.34)	3,680
9/22/2005	OUT	16.64	(21.36)	3,680
9/23/2005	OUT	14.79	(23.21)	2,090
9/24/2005	OUT	13.91	(24.09)	1,320
9/25/2005	OUT	14.09	(23.91)	1,400
9/26/2005	OUT	12.96	(25.04)	768
9/27/2005	OUT	12.45	(25.55)	541
9/28/2005	OUT	12.22	(25.78)	450
9/29/2005	OUT	12.08	(25.92)	403
9/30/2005	OUT	12.00	(26.00)	375
Avg or Tot	OUT	15.39	(22.61)	2,806

Units	Tot Inches	Avg Feet	Avg Feet	Avg cfs
-------	---------------	-------------	-------------	------------

FS: Flood Stage = 38 feet

OUT: Gage Out

Lower Sabine Basin Sampled on 9/14/2005

Saturday, September 24, 2005, 02:38 CDT, Hurricane Rita Stikes Gulf Coast⁽¹⁾

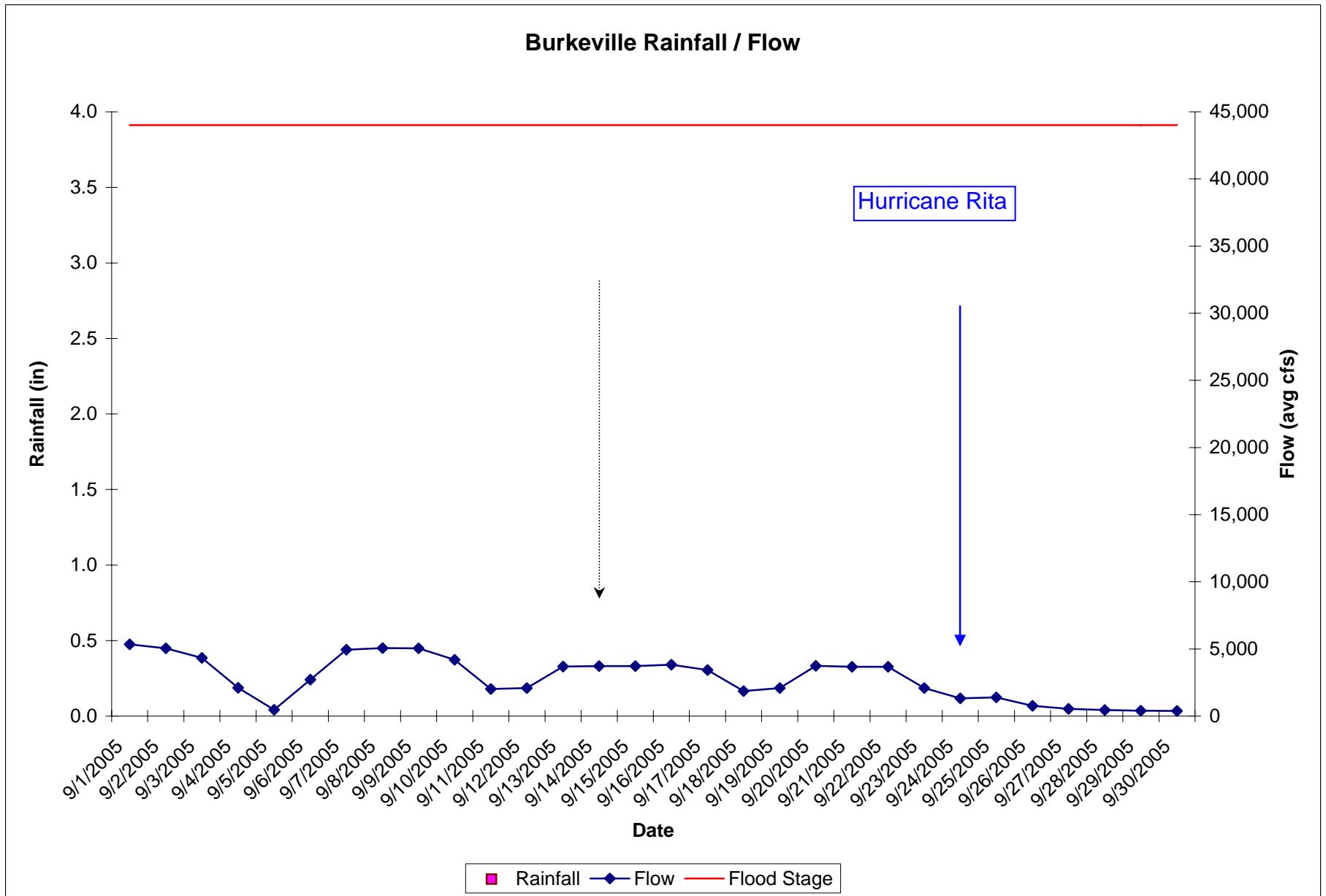
Gauge Height and Flow from USGS daily mean Gage height and Discharge, respectively
 USGS 08026000 Sabine Rv nr Burkeville, TX
http://waterdata.usgs.gov/tx/nwis/dv/?site_no=08026000&agency_cd=USGS
 Acquired 11/3/2005; provisional and subject to revision by USGS.

Other values measured by SRA-TX

(1) http://en.wikipedia.org/wiki/Hurricane_Rita

SABINE RIVER AUTHORITY OF TEXAS

September 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

September 2005

Date	Gauge Height	GH - FS	Flow Avg	308 Rainfall
9/1/2005	19.04	(10.96)	5,680	OUT
9/2/2005	18.30	(11.70)	4,800	OUT
9/3/2005	18.06	(11.94)	4,540	OUT
9/4/2005	17.35	(12.65)	3,770	OUT
9/5/2005	15.13	(14.87)	1,910	OUT
9/6/2005	13.46	(16.54)	853	OUT
9/7/2005	15.80	(14.20)	2,640	OUT
9/8/2005	17.83	(12.17)	4,290	OUT
9/9/2005	17.99	(12.01)	4,460	OUT
9/10/2005	17.98	(12.02)	4,450	OUT
9/11/2005	17.16	(12.84)	3,580	OUT
9/12/2005	15.03	(14.97)	1,830	OUT
9/13/2005	15.24	(14.76)	2,070	OUT
9/14/2005	16.76	(13.24)	3,200	OUT
9/15/2005	16.83	(13.17)	3,260	OUT
9/16/2005	16.88	(13.12)	3,310	OUT
9/17/2005	16.99	(13.01)	3,420	OUT
9/18/2005	16.52	(13.48)	2,980	OUT
9/19/2005	14.83	(15.17)	1,690	OUT
9/20/2005	15.16	(14.84)	2,030	OUT
9/21/2005	16.77	(13.23)	3,220	OUT
9/22/2005	16.74	(13.26)	3,180	OUT
9/23/2005	16.77	(13.23)	3,210	OUT
9/24/2005	16.84	(13.16)	3,310	OUT
9/25/2005	19.93	(10.07)	6,810	OUT
9/26/2005	18.26	(11.74)	4,790	OUT
9/27/2005	15.83	(14.17)	2,380	OUT
9/28/2005	14.83	(15.17)	1,640	OUT
9/29/2005	14.44	(15.56)	1,400	OUT
9/30/2005	13.95	(16.05)	1,110	OUT
Avg or Tot	16.56	(13.44)	3,194	OUT

Units	Avg Feet	Avg Feet	Avg	Tot Inches
-------	-------------	-------------	-----	---------------

FS: Flood Stage = 30 feet

OUT: Gage Out

Lower Sabine Basin Sampled on 9/14/2005

Saturday, September 24, 2005, 02:38 CDT, Hurricane Rita Stikes Gulf Coast⁽¹⁾

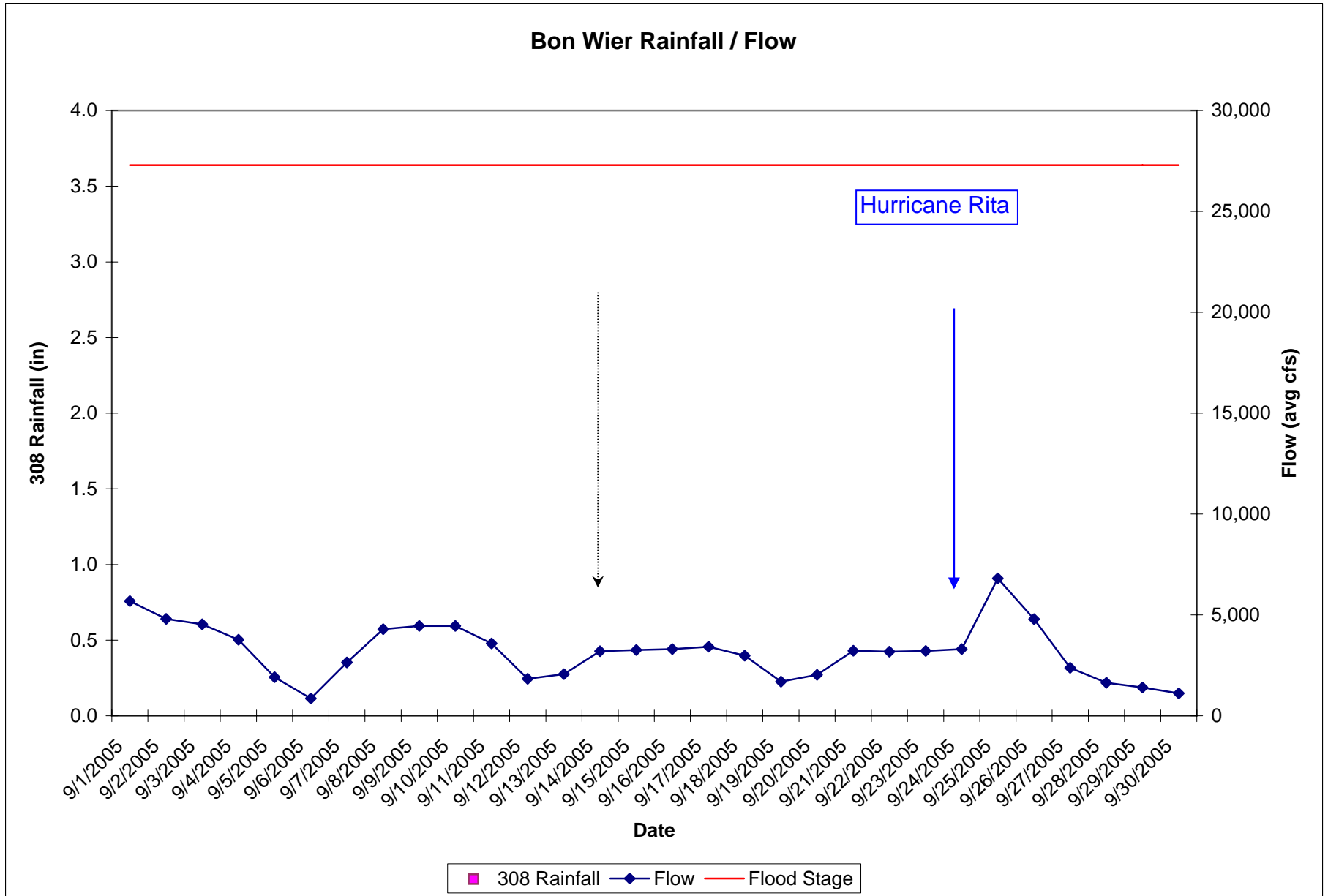
Gauge Height and Flow from USGS daily mean Gage height and Discharge, respectively
 USGS 08028500 Sabine Rv nr Bon Wier, TX
http://waterdata.usgs.gov/tx/nwis/dv/?site_no=08028500&agency_cd=USGS
 Acquired 11/3/2005; provisional and subject to revision by USGS.

Other values measured by SRA-TX

(1) http://en.wikipedia.org/wiki/Hurricane_Rita

SABINE RIVER AUTHORITY OF TEXAS

September 2005



Lower Sabine Basin sampled on 9/14/2005

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

September 2005

Date	Gauge Height	GH - FS	Flow cfs	Flow acft	309 Rainfall
9/1/2005	20.24	(3.76)	4,680	9,283	OUT
9/2/2005	20.93	(3.07)	5,720	11,345	OUT
9/3/2005	21.09	(2.91)	5,960	11,821	OUT
9/4/2005	20.91	(3.09)	5,690	11,286	OUT
9/5/2005	20.59	(3.41)	5,200	10,314	OUT
9/6/2005	19.64	(4.36)	3,960	7,855	OUT
9/7/2005	17.27	(6.73)	2,180	4,324	OUT
9/8/2005	16.54	(7.46)	1,840	3,650	OUT
9/9/2005	19.20	(4.80)	3,500	6,942	OUT
9/10/2005	20.10	(3.90)	4,450	8,826	OUT
9/11/2005	20.37	(3.63)	4,840	9,600	OUT
9/12/2005	20.29	(3.71)	4,720	9,362	OUT
9/13/2005	19.36	(4.64)	3,670	7,279	OUT
9/14/2005	17.66	(6.34)	2,360	4,681	OUT
9/15/2005	18.60	(5.40)	3,000	5,950	OUT
9/16/2005	19.25	(4.75)	3,500	6,942	OUT
9/17/2005	19.41	(4.59)	3,650	7,240	OUT
9/18/2005	19.51	(4.49)	3,760	7,458	OUT
9/19/2005	19.47	(4.53)	3,720	7,379	OUT
9/20/2005	18.65	(5.35)	3,040	6,030	OUT
9/21/2005	17.21	(6.79)	2,120	4,205	OUT
9/22/2005	18.48	(5.52)	2,910	5,772	OUT
9/23/2005	19.21	(4.79)	3,480	6,902	OUT
9/24/2005	20.85	(3.15)	5,630	11,167	OUT
9/25/2005	21.95	(2.05)	7,540	14,955	OUT
9/26/2005	22.67	(1.33)	9,430	18,704	OUT
9/27/2005	23.15	(0.85)	11,400	22,612	OUT
9/28/2005	23.11	(0.89)	11,200	22,215	OUT
9/29/2005	22.56	(1.44)	9,100	18,050	OUT
9/30/2005	21.59	(2.41)	6,870	13,626	OUT
Avg or Tot	20.00	(4.00)	4,971	295,775	OUT

Units	Avg Feet	Avg Feet	Avg cfs	Tot ac ft
-------	----------	----------	---------	-----------

FS: Flood Stage 24 feet with 10 foot datum

OUT: Gage Out

Lower Sabine Basin Sampled on 9/14/2005

Saturday, September 24, 2005, 02:38 CDT, Hurricane Rita Strikes Gulf Coast ⁽¹⁾

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 11/3/2005; provisional and subject to revision by USGS.

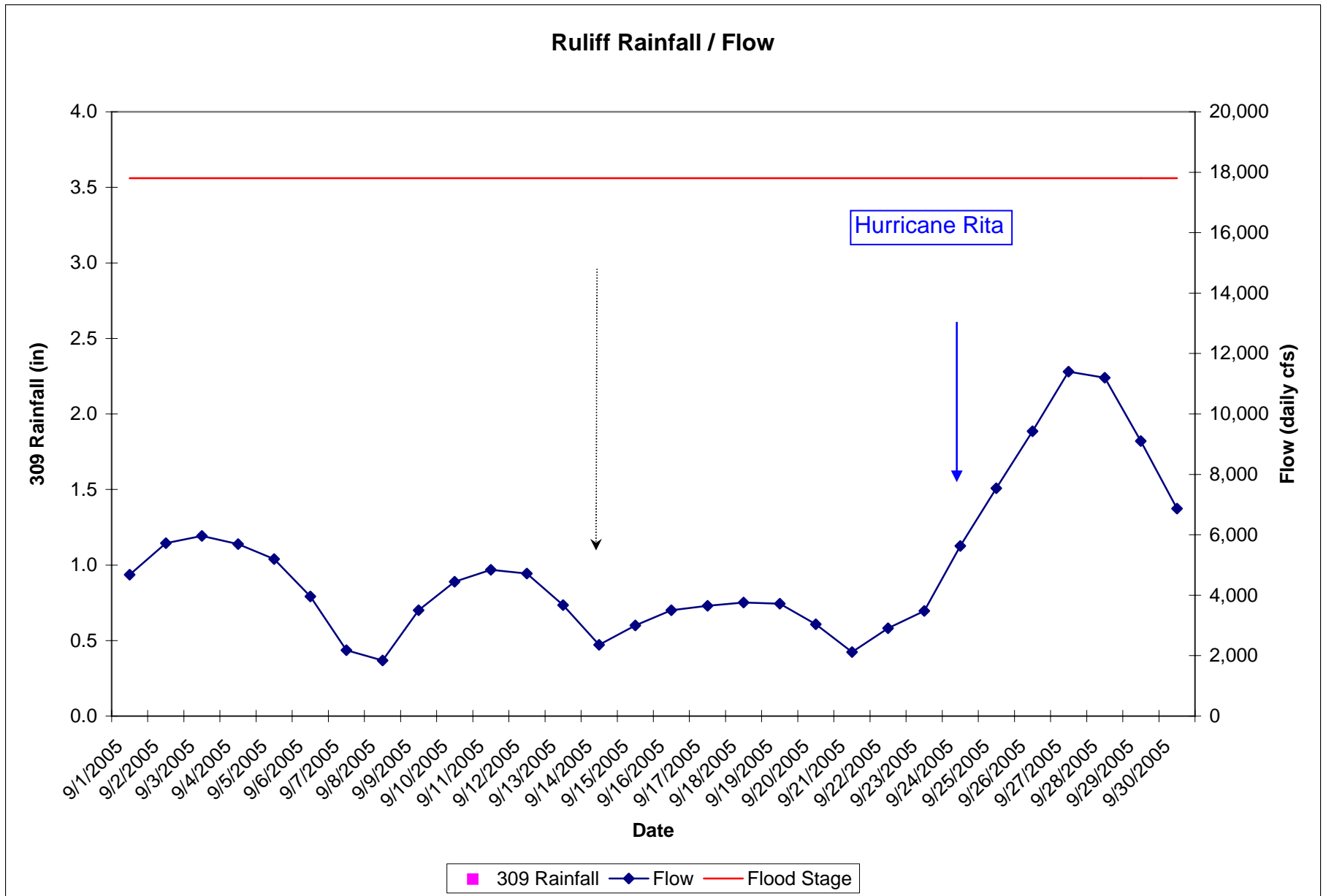
Other values measured by SRA-TX

Flow acft = Flow cfs * 1.98347

(1) http://en.wikipedia.org/wiki/Hurricane_Rita

SABINE RIVER AUTHORITY OF TEXAS

September 2005



Lower Sabine Basin sampled on 9/14/2005

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

THIS PAGE INTENTIONALLY LEFT BLANK

FY 2006 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

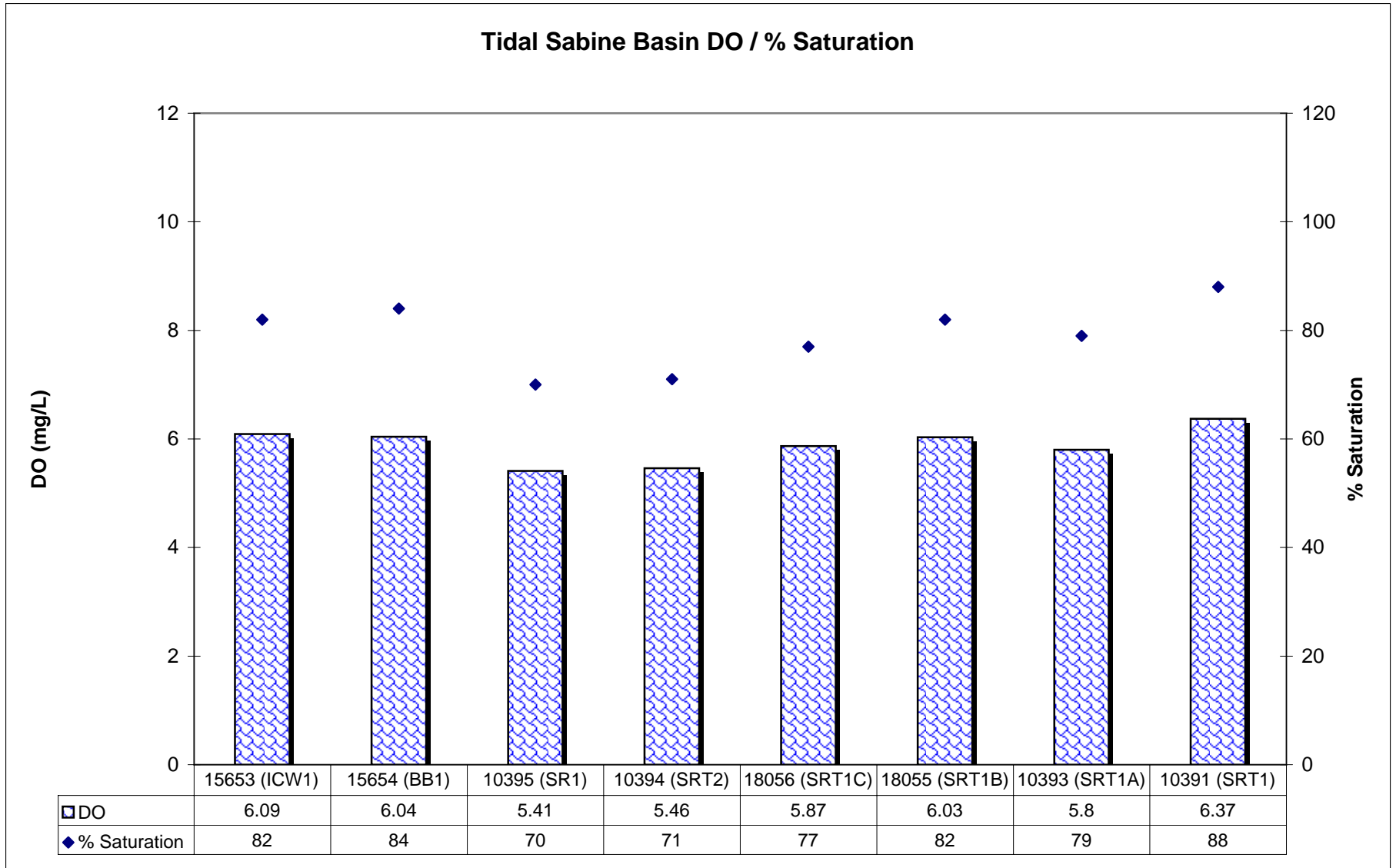
Tidal Report
September 2005

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
9/15/05 10:15 AM	1.05	15653 (ICW1)	29.8	7.06	6.09	82	6468	4	0.79	4.77	20	16	*	< 0.02	0.03	< 0.04	3	40	672
9/15/05 10:55 AM	1.01	15654 (BB1)	29.3	7.29	6.04	84	16250	10	0.45	7.72	93	517	*	< 0.02	0.03	0.04	2	60	900
9/15/05 9:24 AM	1.00	10395 (SR1)	29.1	7.01	5.41	70	201	*	0.55	10.2	19	*	< 0.02	0.03	< 0.04	6	30	52	
9/15/05 9:50 AM	1.00	10394 (SRT2)	29.1	6.88	5.46	71	634	< 1	0.74	7.38	11	29	*	< 0.02	0.03	< 0.04	6	30	80
9/15/05 10:00 AM	1.00	18056 (SRT1C)	29.4	7.11	5.87	77	2975	2	0.8	5.23	31	32	*	< 0.02	0.05	< 0.04	5	30	300
9/15/05 10:28 AM	1.00	18055 (SRT1B)	29.8	7.19	6.03	82	8414	5	0.79	4.86	23	20	*	< 0.02	0.02	< 0.04	3	40	868
9/15/05 10:45 AM	1.00	10393 (SRT1A)	29.7	7.23	5.8	79	12080	7	0.68	4.69	45	> 2419	*	< 0.02	0.04	0.04	2	50	660
9/15/05 11:05 AM	1.00	10391 (SRT1)	29.3	7.45	6.37	88	16150	9	0.58	6.85	82	488	*	< 0.02	< 0.02	< 0.04	2	60	880

*: Not sampled on this run

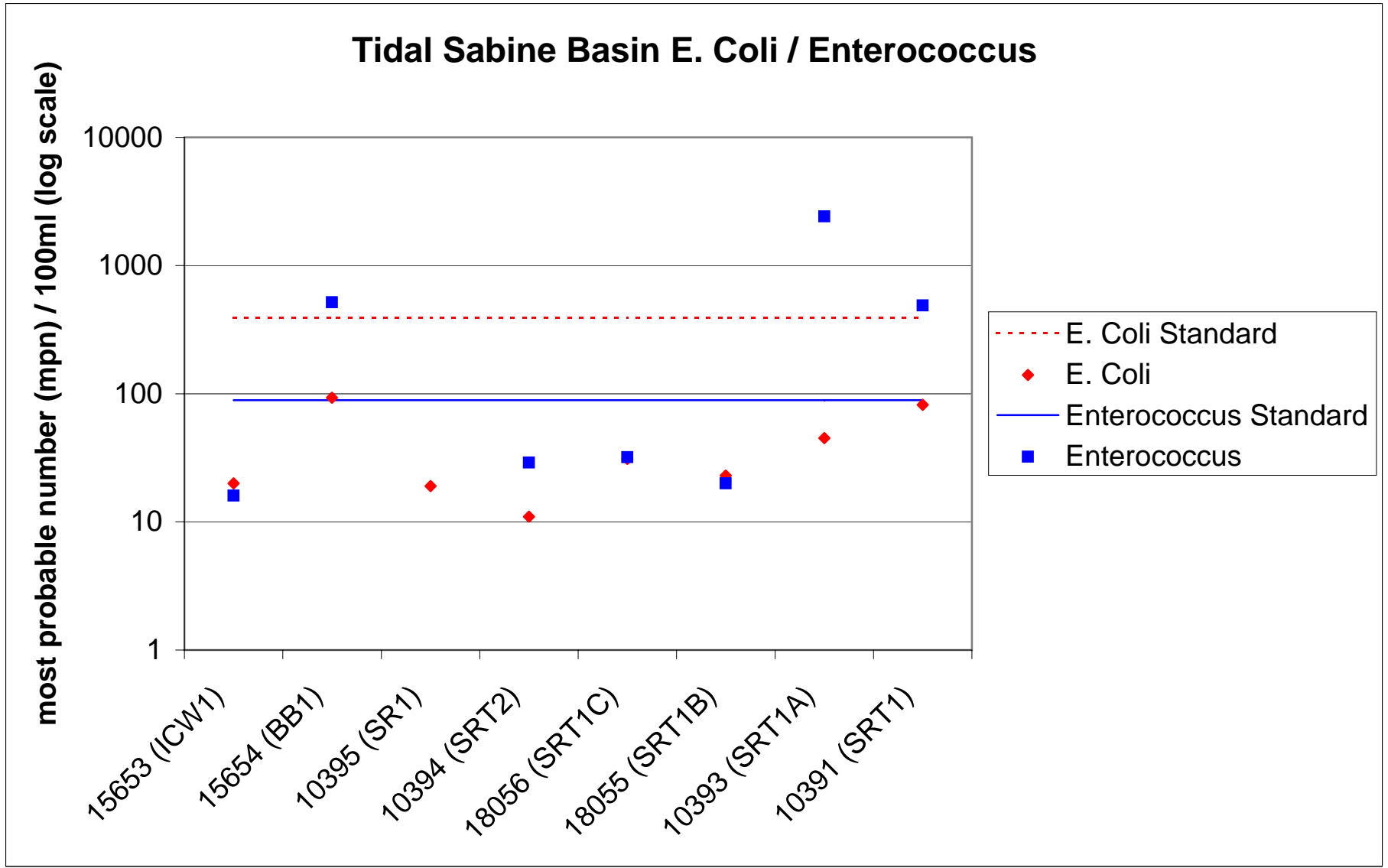
SABINE RIVER AUTHORITY OF TEXAS

September 2005



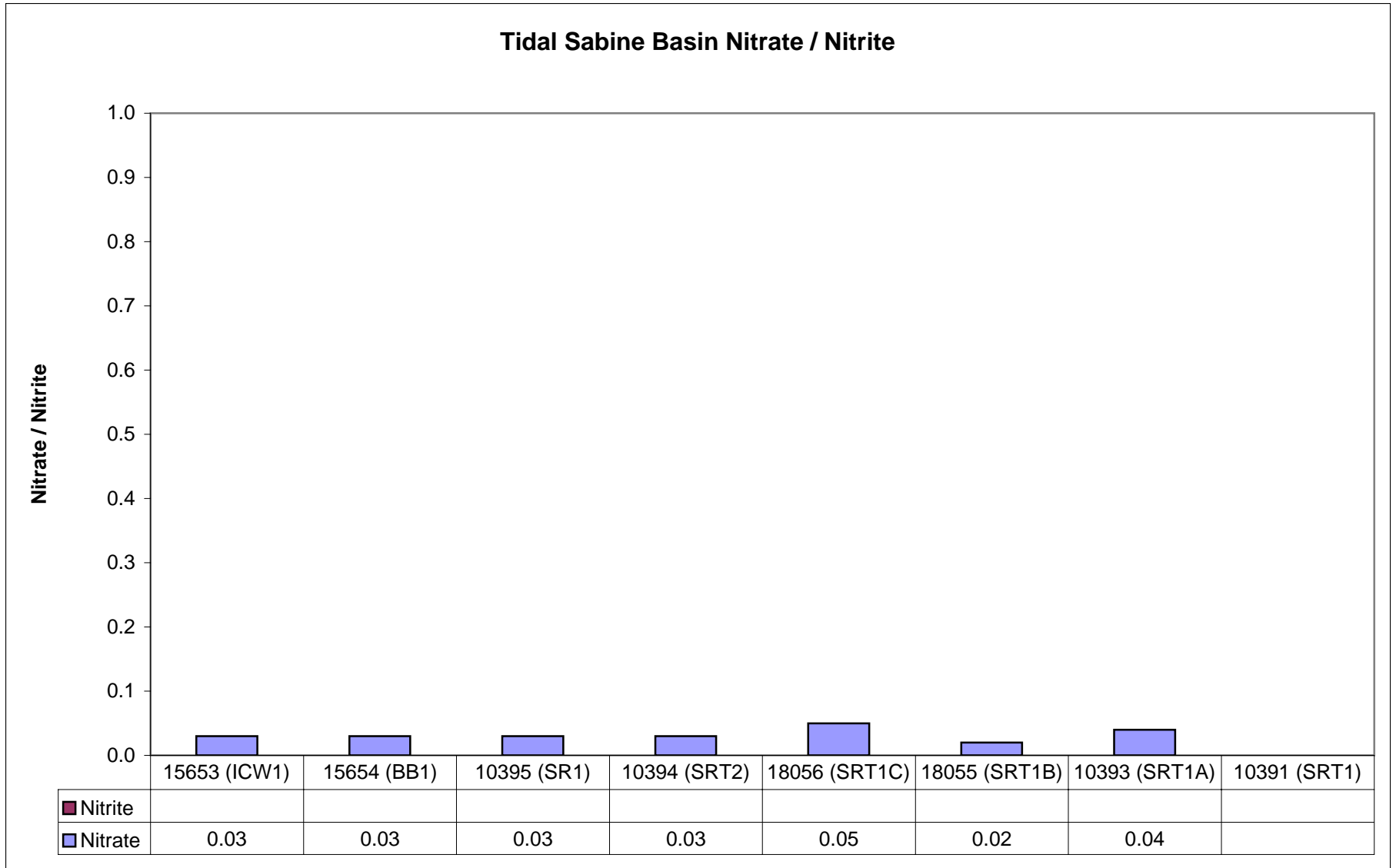
SABINE RIVER AUTHORITY OF TEXAS

September 2005



SABINE RIVER AUTHORITY OF TEXAS

September 2005



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

SABINE RIVER AUTHORITY OF TEXAS

Tidal Profiles

September 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
9/15/05 10:15 AM	1.05	15653 (ICW1)	0.3	29.8	7.06	6.09	82	6468	4
			3	29.7	7.01	5.46	74	7358	4
			6	29.7	7.01	5.33	72	7523	4
9/15/05 10:55 AM	1.01	15654 (BB1)	0.3	29.3	7.29	6.04	84	16250	10
			5.4	29.2	7.26	5.82	80	16240	10
9/15/05 9:50 AM	1.00	10394 (SRT2)	0.3	29.1	6.88	5.46	71	634	< 1
			2.5	28.9	6.94	5.08	66	753	< 1
			5	29.4	6.93	4.46	60	4201	2
			7.5	29.9	6.65	1.61	22	16660	10
9/15/05 10:00 AM	1.00	18056 (SRT1C)	0.3	29.4	7.11	5.87	77	2975	2
			3.5	29.8	7.07	4.68	64	8490	5
			7	29.9	6.97	1.89	27	20660	12
			11.1	30.6	7	0.18	3	27800	17
9/15/05 10:28 AM	1.00	18055 (SRT1B)	0.3	29.8	7.19	6.03	82	8414	5
			4	29.7	7.12	5.12	71	11950	7
			7	29.6	7.08	3.91	55	18920	11
9/15/05 10:45 AM	1.00	10393 (SRT1A)	0.3	29.7	7.23	5.8	79	12080	7
			3	29.4	7.21	5.43	75	13780	8
			7.3	29.4	7.19	4.97	69	17940	10
9/15/05 11:05 AM	1.00	10391 (SRT1)	0.3	29.3	7.45	6.37	88	16150	9
			2.5	29.2	7.43	6.1	85	16380	10
			5	28.9	7.39	5.59	78	18730	11
			10.8	29.4	7.42	5.22	74	21500	13

SABINE RIVER AUTHORITY OF TEXAS

Orange Weather and River Data

September 2005

Date	310 (Orange) Rainfall	Gauge Height	GH - FS	Max Temp	Min Temp	Cur Temp	293 (GCD) Rainfall
9/1/2005	OUT	OUT	OUT	94	74	76	0.00
9/2/2005	OUT	OUT	OUT	90	71	71	0.15
9/3/2005	OUT	OUT	OUT	92	74	75	0.00
9/4/2005	OUT	OUT	OUT	93	67	67	0.00
9/5/2005	OUT	OUT	OUT	91	75	74	0.00
9/6/2005	OUT	OUT	OUT	91	74	74	0.00
9/7/2005	OUT	OUT	OUT	91	64	64	0.00
9/8/2005	OUT	OUT	OUT	92	64	63	0.00
9/9/2005	OUT	OUT	OUT	93	67	67	0.00
9/10/2005	OUT	OUT	OUT	91	67	70	0.00
9/11/2005	OUT	OUT	OUT	89	70	71	0.00
9/12/2005	OUT	OUT	OUT	91	70	70	0.00
9/13/2005	OUT	OUT	OUT	91	71	71	0.00
9/14/2005	OUT	OUT	OUT	93	64	71	0.00
9/15/2005	OUT	OUT	OUT	94	71	76	0.00
9/16/2005	OUT	OUT	OUT	94	70	77	0.10
9/17/2005	OUT	OUT	OUT	95	72	77	0.05
9/18/2005	OUT	OUT	OUT	96	75	75	0.00
9/19/2005	OUT	OUT	OUT	94	73	73	0.00
9/20/2005	OUT	OUT	OUT	95	69	69	0.00
9/21/2005	OUT	OUT	OUT	97	69	72	0.00
9/22/2005	OUT	OUT	OUT	99	71	68	0.00
9/23/2005	OUT	OUT	OUT	OUT	OUT	OUT	OUT
9/24/2005	OUT	OUT	OUT	OUT	OUT	OUT	OUT
9/25/2005	OUT	OUT	OUT	OUT	OUT	OUT	OUT
9/26/2005	OUT	OUT	OUT	OUT	OUT	OUT	OUT
9/27/2005	OUT	OUT	OUT	OUT	OUT	OUT	0.00
9/28/2005	OUT	OUT	OUT	OUT	OUT	OUT	0.00
9/29/2005	OUT	OUT	OUT	99	69	76	0.00
9/30/2005	OUT	OUT	OUT	99	65	65	0.00
Avg or Tot	OUT	OUT	OUT	94	70	71	0.30

Units	Tot Inches	Avg Feet	Avg Feet	Avg Deg F	Avg Deg F	Avg Deg F	Tot Inches
-------	---------------	-------------	-------------	--------------	--------------	--------------	---------------

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 9/15/2005

Saturday, September 24, 2005, 02:38 CDT, Hurricane Rita Strikes Gulf Coast ⁽¹⁾

Values measured by SRA-TX

(1) http://en.wikipedia.org/wiki/Hurricane_Rita

SABINE RIVER AUTHORITY OF TEXAS

September 2005

