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**SABINE RIVER AUTHORITY OF TEXAS**

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

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This is the Sabine River Authority Water Quality Report for August 2005. Water quality sampling was performed August 8<sup>th</sup> through August 11<sup>th</sup>. Recent weather (previous seven days) in the Sabine River Basin was hot, with daytime highs from the mid 90s to the low 100s at Lake Tawakoni and at Lake Fork. Toledo Bend Reservoir and Orange had daytime highs from the upper 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 0.88 and 3.21 inches of rainfall as recorded at Lake Tawakoni and at Lake Fork, respectively. Lake Tawakoni and Lake Fork received 0.14 and 0.04 inches of rainfall respectively the week preceding the sample run. Toledo Bend and Orange received 6.19 and 8.48 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 the Upper Basin sites were consistent with water of high quality for the August sample run. The level of Lake Fork was recorded at 401.16 feet msl with 64 cfs releases and the level of Lake Tawakoni was recorded at 433.77 feet msl with 6 cfs releases at the time of sampling. Stations LF3, LF4, and LT23C exceeded the stream standards numeric criteria for pH. Stations LF3 and LF4 exceeded 100 percent saturation for dissolved oxygen. Stations LT23A, LF3, LF4, SR22, and SR21 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 SR22 and SR21 fell below the stream standards numeric criteria for dissolved oxygen. Station LT23D exceeded the recommended screening criteria for Ortho-phosphate.

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

The August monthly sampling results were indicative of water of high quality at most sites. The area received 0.9 inches of rain the week prior and during sampling. The level of Toledo Bend Reservoir was recorded at 165.97 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 TB6K had an elevated dissolved oxygen percent saturation. Stations TB8, TB7A, and TB6R recorded a dissolved oxygen reading below the stream standard numeric criteria. Station TB6R 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 1.14 inches of rainfall the week prior to sampling. All stations in this section of the Basin showed slight stratification, but no anoxic conditions were found. Surface salinities were found at all but the two northern-most tidal stations. The largest salinity value, 14 ppt, was found at Station SRT1C at a depth of 8 to 11.2 meters, and at Station SRT1 at a depth of 10.5 meters. An elevated bacteria level was measured at station BB1.

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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## Monthly Water Quality Report

August 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

August 2005

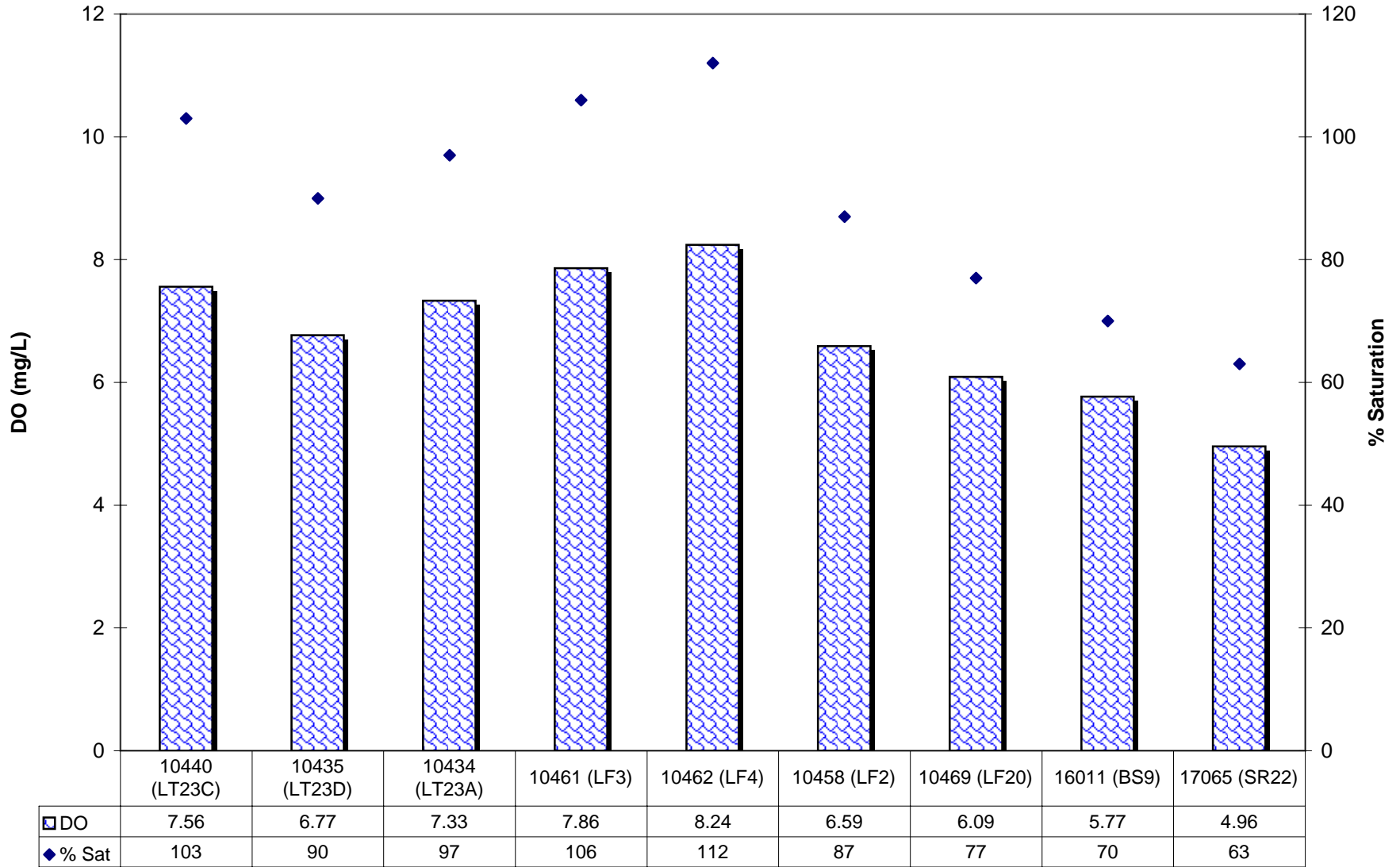
Date	SW ID	Station	Temperature °C 00010	pH Units 00400	DO mg/L 00300	% Saturation 00301	Conductivity µS/cm 00094	Salinity ppt 00480	Secchi Meters 00078	Turbidity NTU 82079	<i>E. coli</i> mpn/100ml 31699	Chlorophyll a µg/L 32211	Nitrite mg/L 00615	Nitrate mg/L 00620	Ortho- Phosphate 00671	TOC mg/L 00680	Total Alkalinity 00410	Total Hardness 00900	Chloride mg/L 00940	Sulfate mg/L 00945
8/9/05 10:45 AM	7.00	10440 (LT23C)	30.5	9.01	7.56	103	168	*	0.45	13.2	< 1	*	< 0.02	< 0.02	< 0.04	7	*	*	< 10	10.4
8/9/05 11:30 AM	7.00	10435 (LT23D)	29.7	8.74	6.77	90	185	*	0.45	13.1	1	*	< 0.02	< 0.02	0.2	8	*	*	< 10	< 10
8/9/05 12:22 PM	7.00	10434 (LT23A)	29.3	8.93	7.33	97	175	*	0.89	4	1	42	< 0.02	< 0.02	< 0.04	7	*	*	< 10	10.6
8/9/05 2:17 PM	6.12	10461 (LF3)	30.5	9.02	7.86	106	175	*	0.91	3.7	< 1	29	< 0.02	< 0.02	< 0.04	7	*	*	17.1	19
8/9/05 2:00 PM	6.12	10462 (LF4)	30.6	9.08	8.24	112	174	*	1.07	3.2	1	28	< 0.02	< 0.02	< 0.04	7	*	*	17.1	20.3
8/9/05 2:58 PM	6.12	10458 (LF2)	29.5	7.82	6.59	87	167	*	1.43	1.9	< 1	16	< 0.02	< 0.02	< 0.04	7	*	*	17	20.4
8/9/05 9:05 AM	6.10	10469 (LF20)	26.9	7.31	6.09	77	179	*	0.27	35.3	67	*	< 0.02	< 0.02	< 0.04	6	*	*	17.8	19.6
8/10/05 6:25 AM	6.02	16011 (BS9)	24.5	6.78	5.77	70	98	*	0.62	7.6	98	*	< 0.02	0.14	< 0.04	3	*	*	15.2	< 10
8/9/05 9:50 AM	6.00	17065 (SR22)	26.6	7.5	4.96	63	253	*	0.28	32.6	41	27	< 0.02	< 0.02	0.05	6	*	*	15.2	20.5
8/9/05 9:14 AM	6.00	10430 (SR21)	27	7.44	4.63	60	361	*	0.28	44.1	15	*	< 0.02	< 0.02	0.04	6	*	*	32	35.7
8/9/05 8:20 AM	6.00	10429 (SR19)	27.2	7.41	6.17	79	250	*	0.29	32.2	15	21	< 0.02	< 0.02	< 0.04	6	*	*	30.4	26.6
8/10/05 6:55 AM	5.00	10428 (SR17)	27.8	7.42	6.27	81	219	*	0.32	25.3	116	*	< 0.02	< 0.02	< 0.04	5	*	*	25.3	22.9
8/10/05 7:25 AM	5.00	10427 (SR16)	28.2	7.21	5.04	66	249	*	0.35	27.3	12	*	< 0.02	< 0.02	< 0.04	6	*	*	31.9	25
8/10/05 7:48 AM	5.00	10426 (SR15)	28.5	7.3	5.68	75	258	*	0.36	24.5	11	*	< 0.02	< 0.02	< 0.04	7	*	*	33.6	25.1
8/10/05 8:15 AM	5.00	10423 (SR14)	28.2	7.32	6.06	79	315	*	0.4	19.5	260	*	0.02	2.06	0.11	6	*	*	38.5	36.2
8/10/05 9:50 AM	5.00	13628 (SR11)	28.4	7.97	6.77	89	597	*	0.36	24.6	12	*	0.03	1.6	< 0.04	7	*	*	77.4	72.9
8/10/05 10:23 AM	5.00	10415 (SR10)	29	7.78	6.48	86	514	*	0.43	18.3	7	*	< 0.02	0.1	< 0.04	9	*	*	70.9	57.6

\*: Not sampled on this run

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August 2005

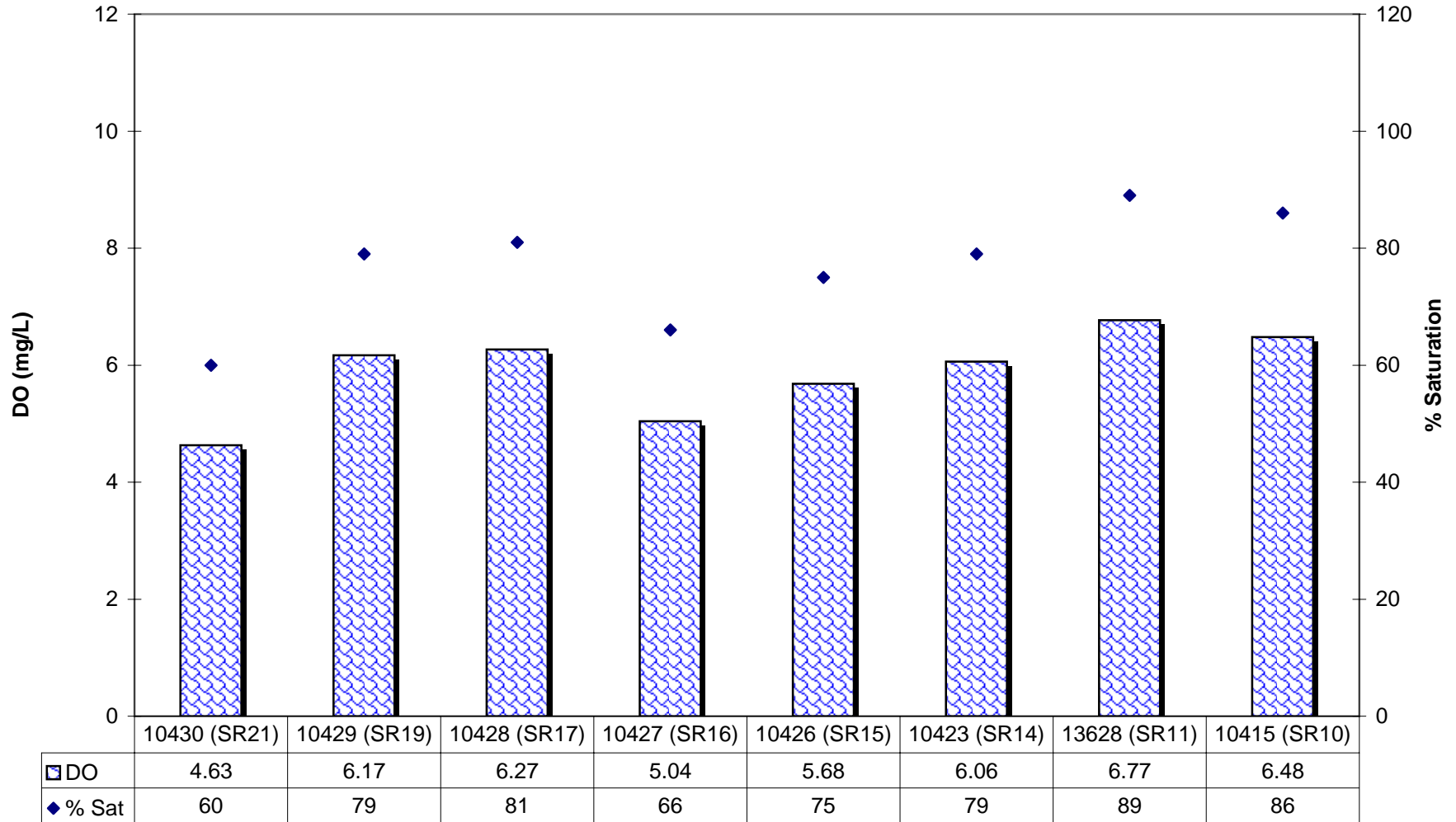
## Upper Sabine Basin DO / % Saturation (1 of 2)



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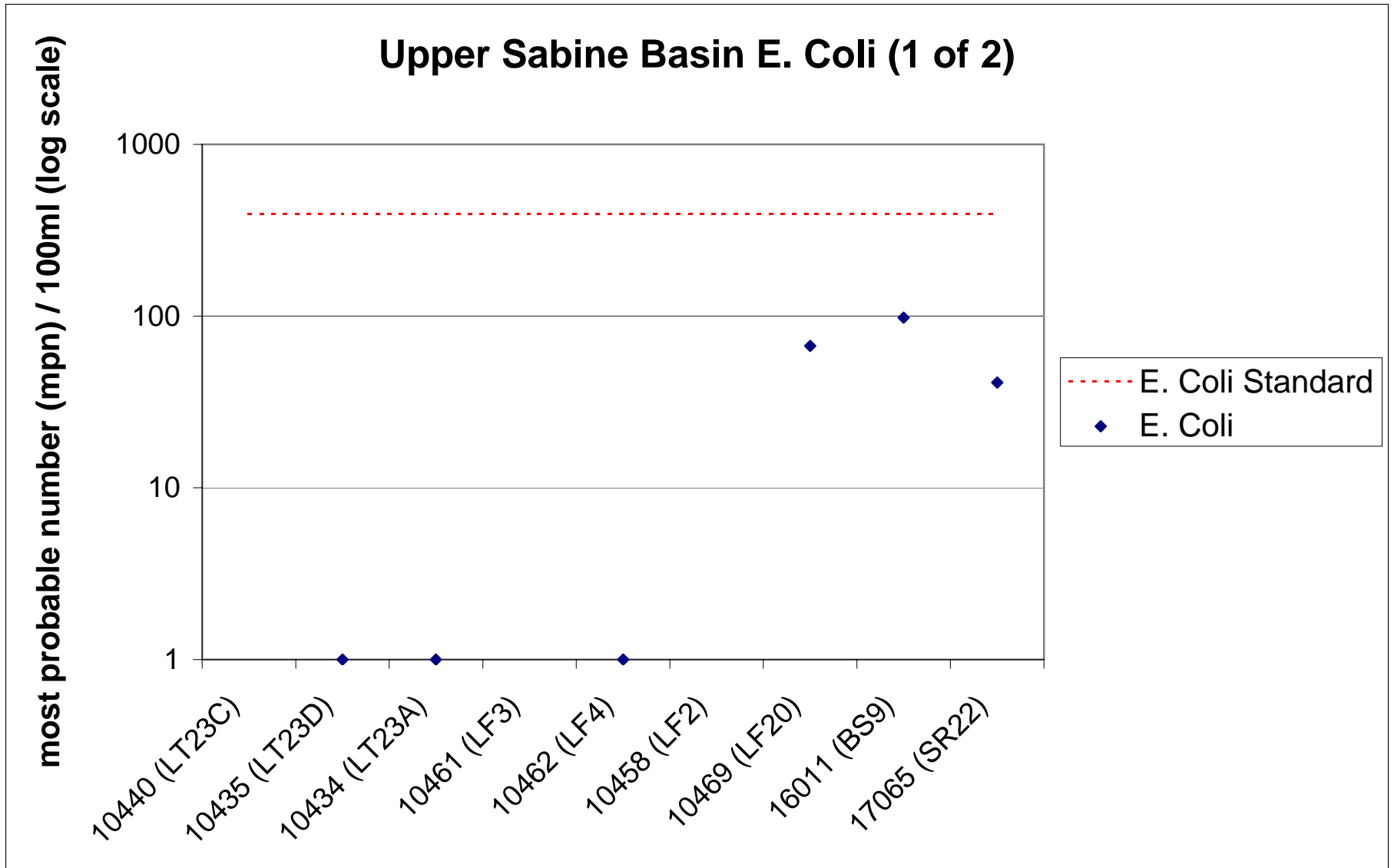
## Upper Sabine Basin DO / % Saturation (2 of 2)





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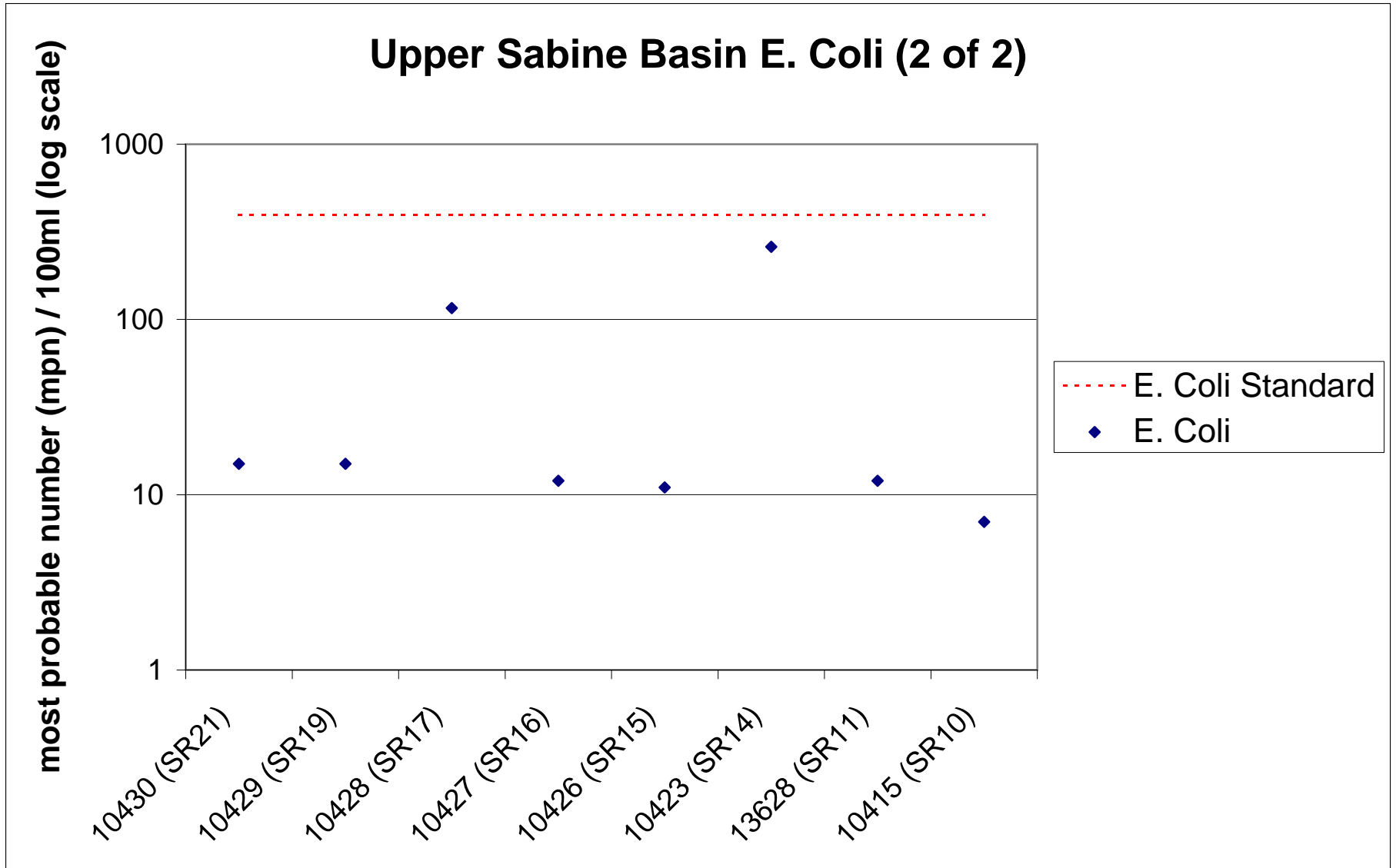
August 2005



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

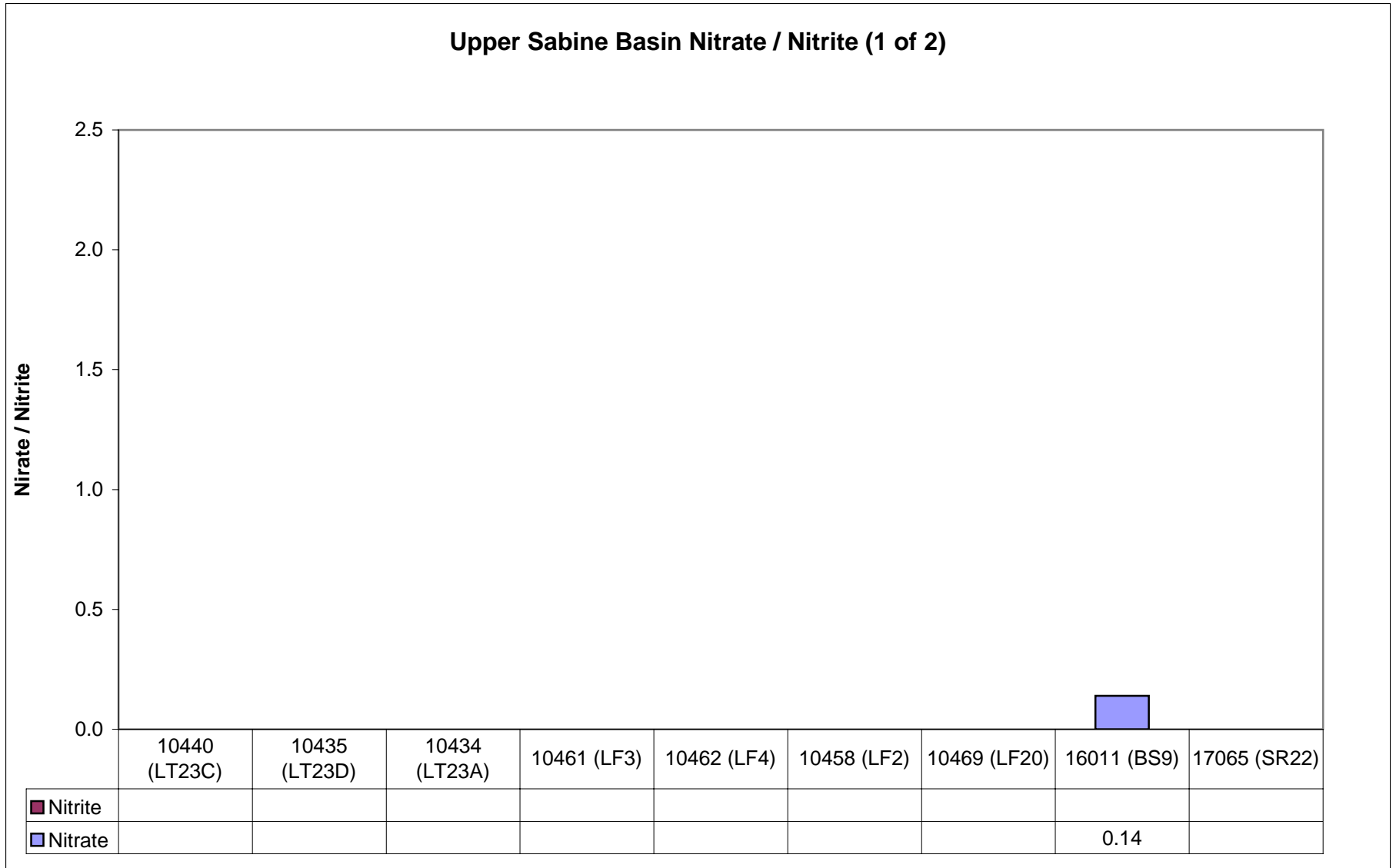
# SABINE RIVER AUTHORITY OF TEXAS

August 2005



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August 2005

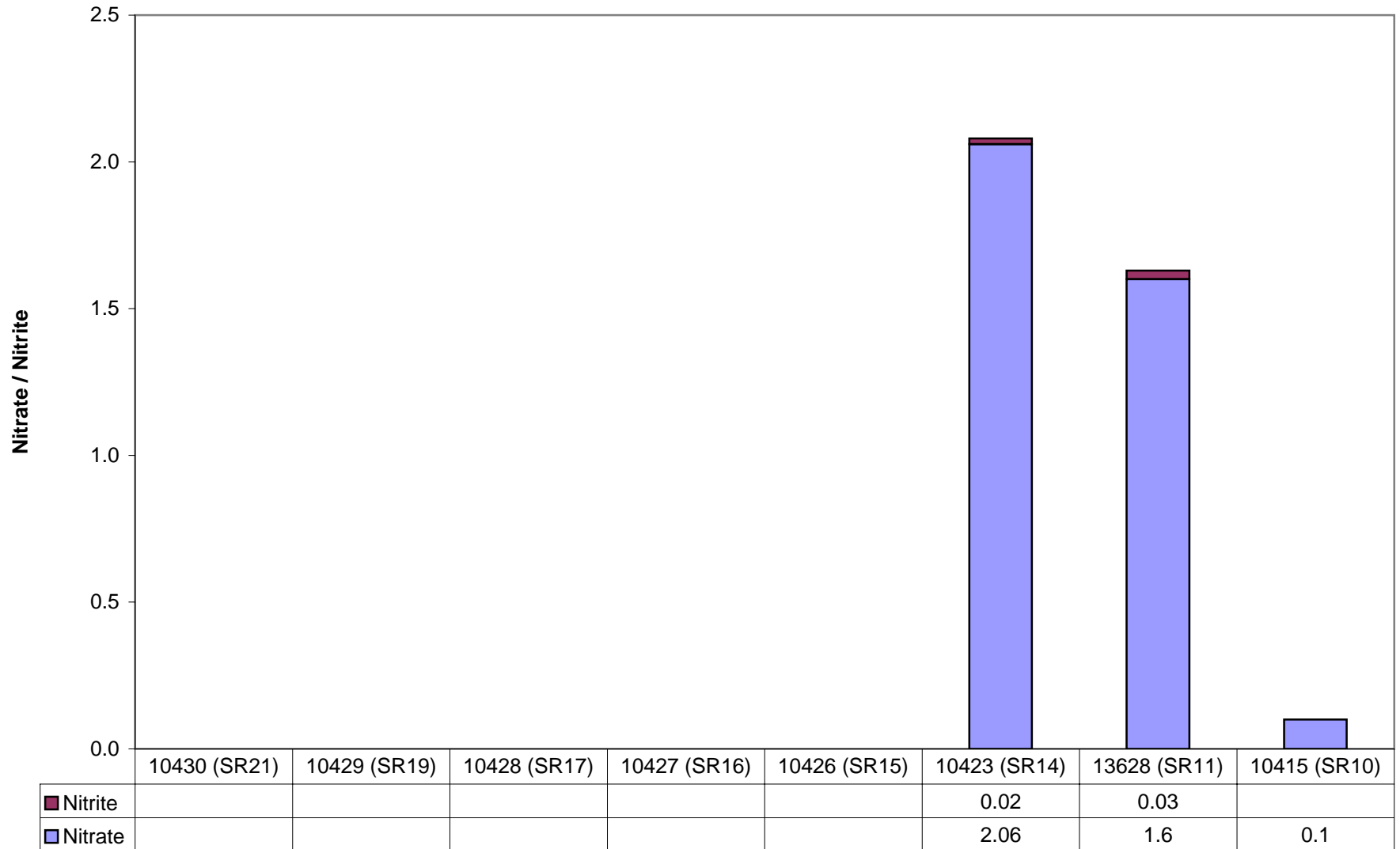


Stations without values below detection limit (< 0.02 mg/L) on this run (see page 2)

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



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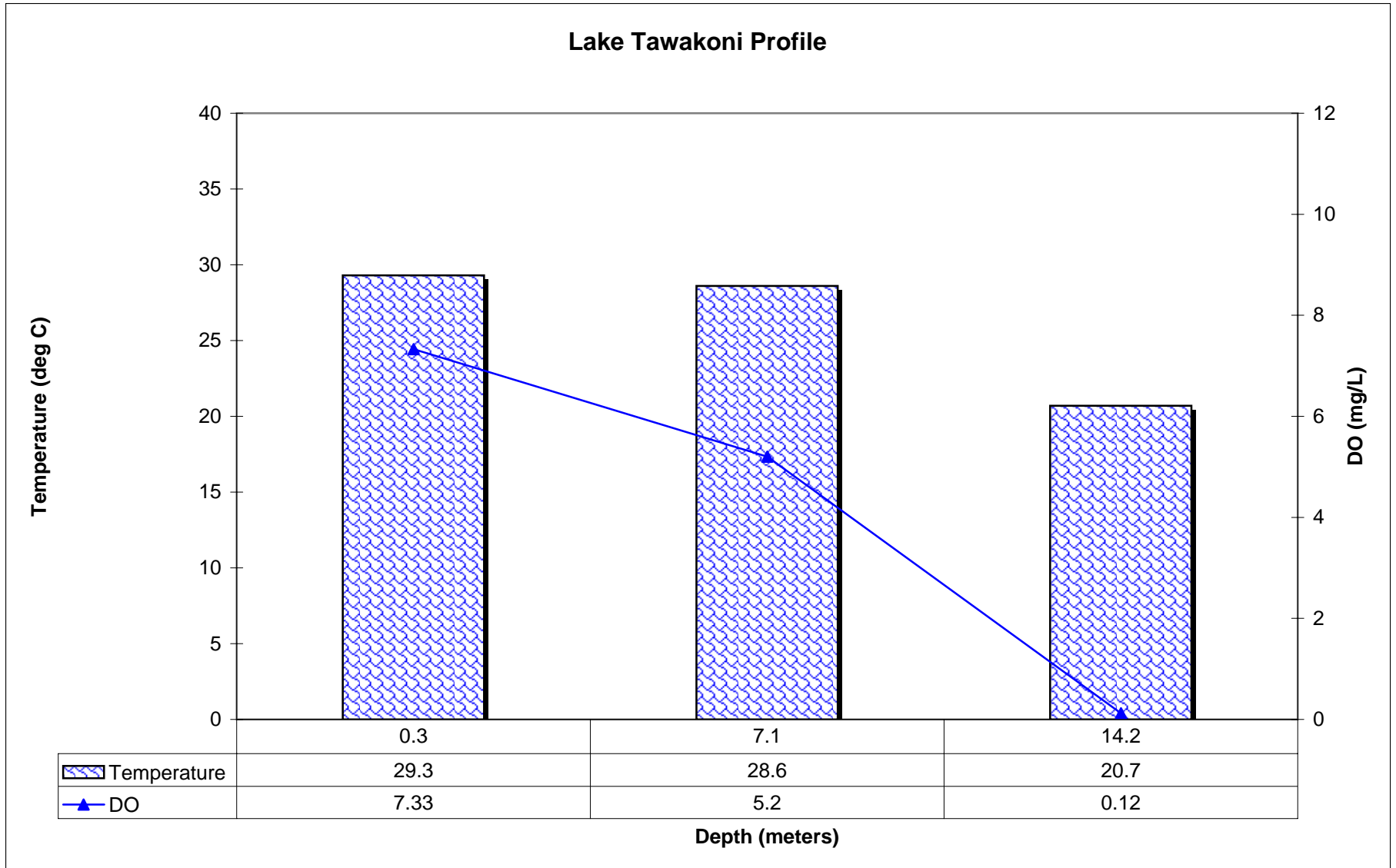
## Upper Basin Profiles

August 2005

Date	SW ID	Station	Depth Meters	Temperature °C	pH Units	DO mg/L	% Saturation	Conductivity µS/cm
8/9/05 10:45	7.00	10440 (LT23C)	0.3	30.5	9.01	7.56	103	168
			1.5	29.9	8.86	6.47	87	167
			3	29.7	8.75	5.99	80	167
8/9/05 11:30 AM	7.00	10435 (LT23D)	0.3	29.7	8.74	6.77	90	185
			1.7	29.4	8.24	3.74	47	187
			7.9	29.1	7.79	2.35	31	179
8/9/05 12:22 PM	7.00	10434 (LT23A)	0.3	29.3	8.93	7.33	97	175
			7.1	28.6	8.61	5.2	68	177
			14.2	20.7	7.03	0.12	1	246
8/9/05 2:17 PM	6.12	10461 (LF3)	0.3	30.5	9.02	7.86	106	175
			5.3	29.4	7.33	3.32	44	175
			9.1	24.6	7.08	0.25	3	217
8/9/05 2:00 PM	6.12	10462 (LF4)	0.3	30.6	9.08	8.24	112	174
			5.6	29.5	8.73	6.61	88	173
			11.1	20.8	7.01	0.22	3	188
8/9/05 2:58 PM	6.12	10458 (LF2)	0.3	29.5	7.82	6.59	87	167
			5.5	28.7	6.86	1.9	26	163
			15.8	17.5	7	0.44	5	178

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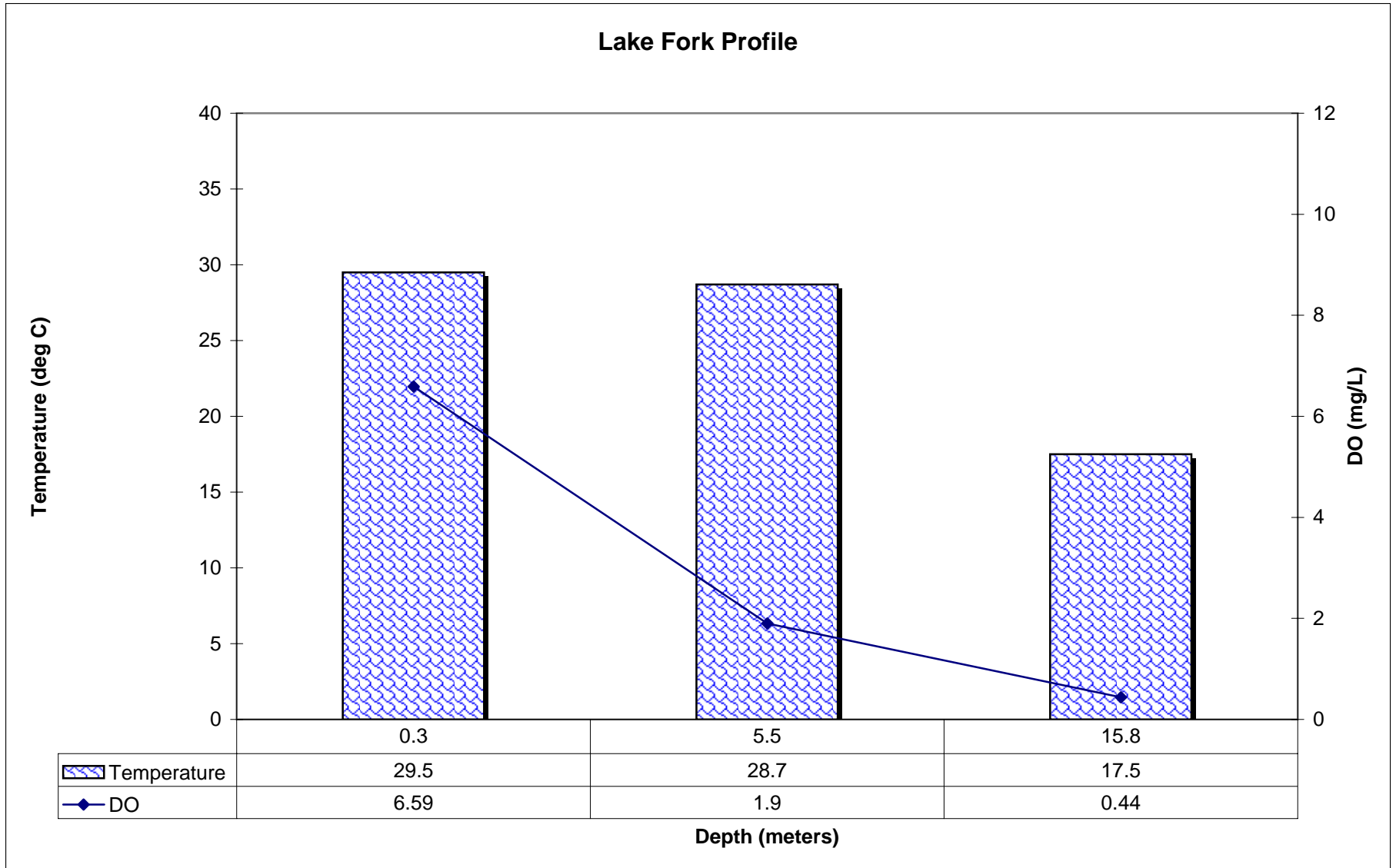
August 2005



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

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August 2005



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## Lake Tawakoni Weather and Reservoir Data

August 2005

Date	Lake Elev	LE - TOP	Releases inst	Max Temp	Min Temp	Rainfall	Evap
8/1/2005	434.05	(3.45)	6	97	74	0.00	0.72
8/2/2005	434.02	(3.48)	6	99	73	0.00	0.42
8/3/2005	433.97	(3.53)	6	101	74	0.00	0.37
8/4/2005	433.95	(3.55)	6	100	73	0.00	0.50
8/5/2005	433.93	(3.57)	6	100	73	0.00	0.38
8/6/2005	433.88	(3.62)	6	96	72	0.00	0.40
8/7/2005	433.84	(3.66)	6	95	73	0.00	0.18
8/8/2005	433.81	(3.69)	6	95	71	0.00	0.22
8/9/2005	433.77	(3.73)	6	96	70	0.14	0.27
8/10/2005	433.74	(3.76)	6	86	70	0.00	0.03
8/11/2005	433.69	(3.81)	6	91	70	0.00	0.28
8/12/2005	433.65	(3.85)	6	96	71	0.00	0.43
8/13/2005	433.61	(3.89)	6	97	73	0.00	0.37
8/14/2005	433.57	(3.93)	6	97	75	0.00	0.43
8/15/2005	433.54	(3.96)	6	94	72	0.00	0.27
8/16/2005	433.52	(3.98)	6	97	72	0.00	0.31
8/17/2005	433.48	(4.02)	6	94	72	0.00	0.27
8/18/2005	433.44	(4.06)	6	100	72	0.00	0.40
8/19/2005	433.40	(4.10)	6	99	74	0.00	0.43
8/20/2005	433.36	(4.14)	6	99	75	0.00	0.38
8/21/2005	433.33	(4.17)	6	100	75	0.00	0.40
8/22/2005	433.30	(4.20)	6	102	78	0.00	0.46
8/23/2005	433.25	(4.25)	6	103	76	0.00	0.44
8/24/2005	433.21	(4.29)	6	105	75	0.00	0.45
8/25/2005	433.18	(4.32)	6	103	76	0.00	0.39
8/26/2005	433.15	(4.35)	6	102	77	0.00	0.37
8/27/2005	433.11	(4.39)	6	102	78	0.00	0.36
8/28/2005	433.07	(4.43)	6	103	71	0.00	0.36
8/29/2005	433.05	(4.45)	6	94	73	0.00	0.36
8/30/2005	433.00	(4.50)	6	94	70	0.05	0.34
8/31/2005	432.95	(4.55)	6	97	67	0.00	0.45
<b>Avg or Tot</b>	433.51	(3.99)	6	98	73	0.19	11.44

	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 8/9/2005

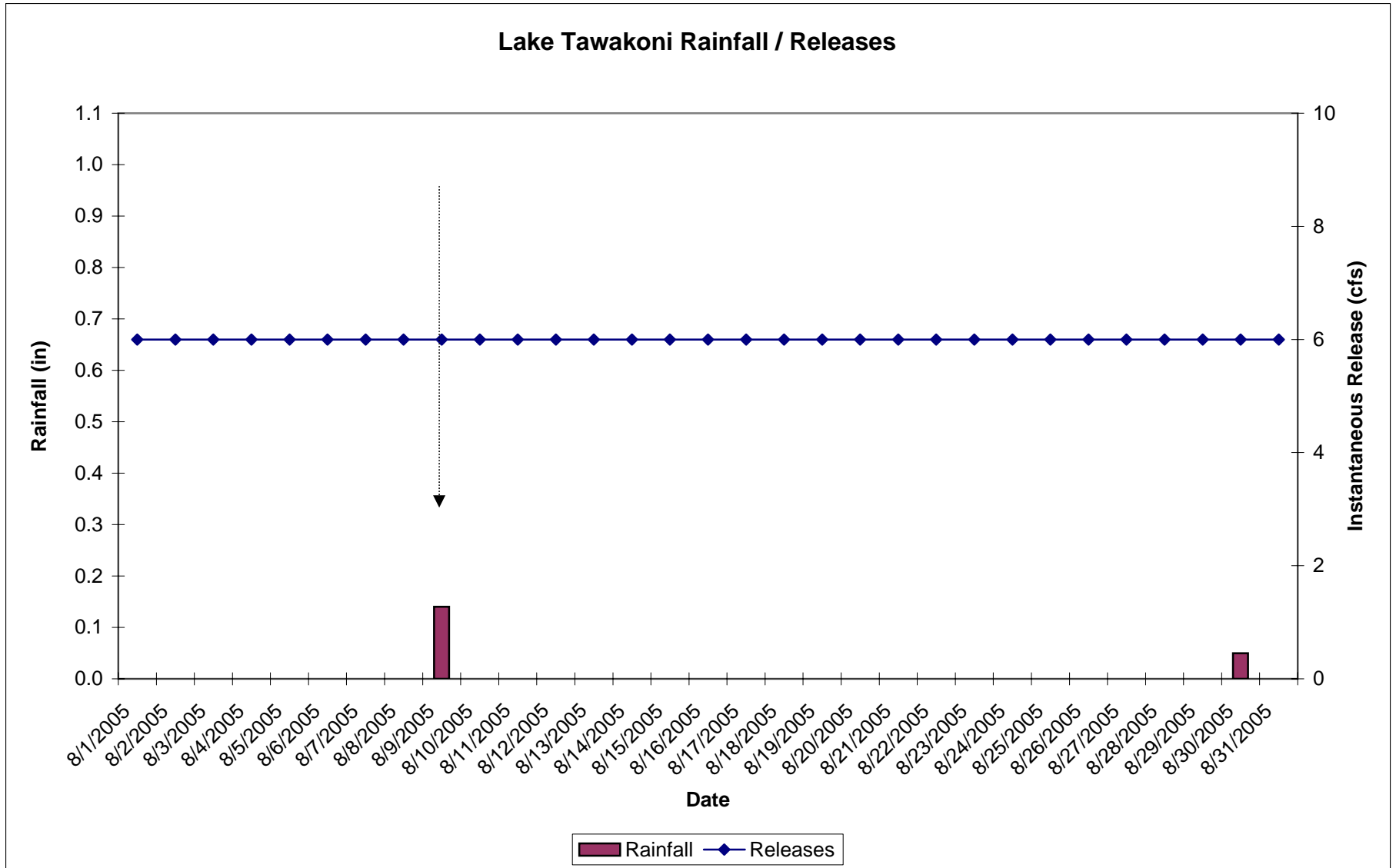
Lake Elev from USGS daily mean elevation  
 USGS 08017400 Lk Tawakoni nr Wills Point, TX  
[http://waterdata.usgs.gov/tx/nwis/dv/?site\\_no=08017400&agency\\_cd=USGS](http://waterdata.usgs.gov/tx/nwis/dv/?site_no=08017400&agency_cd=USGS)  
 Acquired 6/6/2005; provisional and subject to revision by USGS.

Other values measured by SRA-TX



# SABINE RIVER AUTHORITY OF TEXAS

August 2005



Please Note : Lake Tawakoni has an uncontrolled spillway.

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## Lake Fork Weather and Reservoir Data

August 2005

Date	Lake Elev	LE - TOP	Releases avg	Releases cur	Max Temp	Min Temp	Rainfall	Evap
8/1/2005	401.35	(1.65)	64	64	100	80	0.00	0.45
8/2/2005	401.33	(1.67)	64	64	101	71	0.00	0.38
8/3/2005	401.32	(1.68)	64	64	102	73	0.00	0.37
8/4/2005	401.30	(1.70)	64	64	100	74	0.00	0.36
8/5/2005	401.27	(1.73)	64	64	100	72	0.00	0.36
8/6/2005	401.25	(1.75)	64	64	98	70	0.00	0.24
8/7/2005	401.23	(1.77)	64	64	100	76	0.00	0.27
8/8/2005	401.20	(1.80)	64	64	98	70	0.04	0.24
8/9/2005	401.16	(1.84)	64	64	98	70	0.00	0.26
8/10/2005	401.14	(1.86)	64	64	90	70	0.00	0.20
8/11/2005	401.11	(1.89)	64	64	95	71	0.00	0.32
8/12/2005	401.08	(1.92)	64	64	99	71	0.00	0.39
8/13/2005	401.06	(1.94)	64	64	99	72	0.00	0.37
8/14/2005	401.04	(1.96)	64	64	99	73	0.00	0.41
8/15/2005	401.03	(1.97)	64	64	98	71	0.18	0.37
8/16/2005	401.02	(1.98)	64	64	98	71	0.00	0.28
8/17/2005	400.99	(2.01)	64	64	98	71	0.00	0.26
8/18/2005	400.96	(2.04)	64	64	99	71	0.00	0.38
8/19/2005	400.94	(2.06)	64	64	101	75	0.00	0.41
8/20/2005	400.92	(2.08)	64	64	100	74	0.00	0.41
8/21/2005	400.90	(2.10)	64	64	102	74	0.00	0.31
8/22/2005	400.88	(2.12)	64	64	103	75	0.00	0.53
8/23/2005	400.84	(2.16)	64	64	105	75	0.00	0.39
8/24/2005	400.82	(2.18)	64	64	105	75	0.00	0.38
8/25/2005	400.80	(2.20)	64	64	105	76	0.00	0.41
8/26/2005	400.78	(2.22)	64	64	103	76	0.00	0.29
8/27/2005	400.76	(2.24)	64	64	104	81	0.00	0.31
8/28/2005	400.74	(2.26)	64	64	106	70	1.00	0.24
8/29/2005	400.72	(2.28)	64	64	96	71	0.07	0.30
8/30/2005	400.70	(2.30)	64	64	98	72	0.58	0.36
8/31/2005	400.67	(2.33)	64	64	99	67	0.00	0.31
<b>Avg or Tot</b>	401.01	(1.99)	64	64	100	73	1.87	10.56

	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.

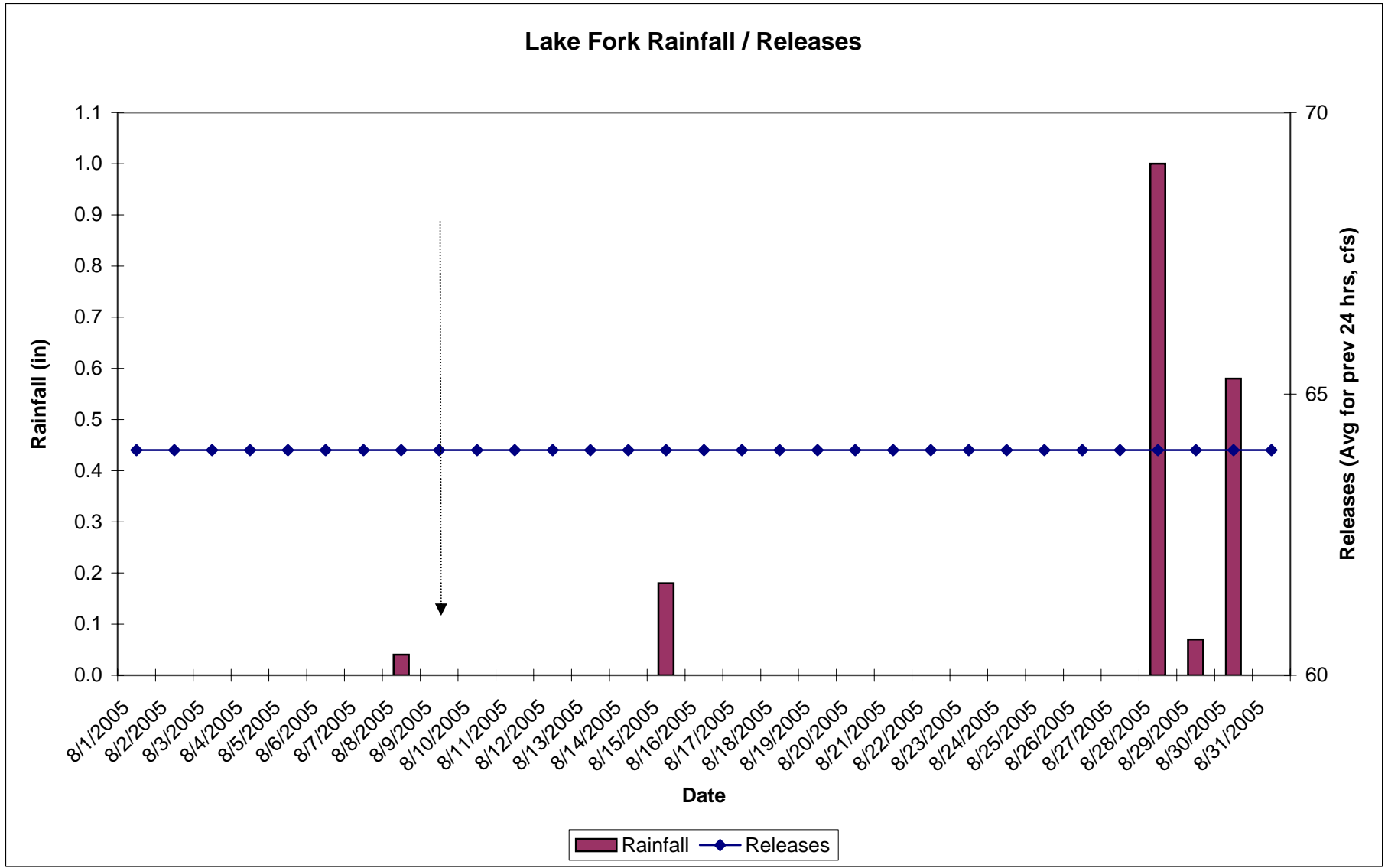
Lake Fork Sampled on 8/9/2005

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

Other values measured by SRA-TX

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August 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

August 2005

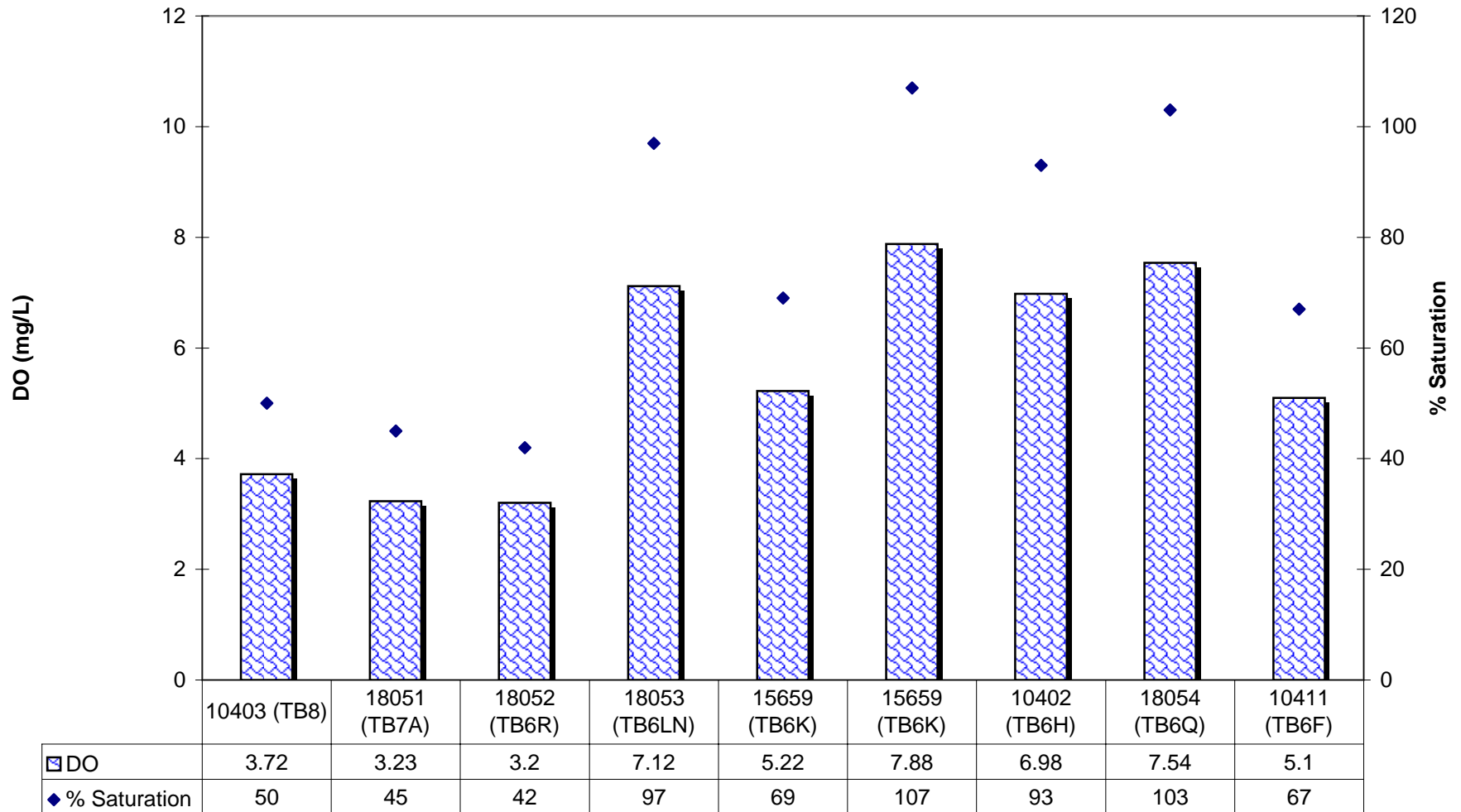
Date	SW ID	Station	Temperature °C 00010	pH Units 00400	DO mg/L 00300	% Saturation 00301	Conductivity µS/cm 00094	Salinity ppt 00480	Secchi Meters 00078	Turbidity NTU 82079	<i>E. coli</i> mpn/100ml 31699	Chlorophyll a µg/L 32211	Nitrite mg/L 00615	Nitrate mg/L 00620	Ortho- Phosphate 00671	TOC mg/L 00680	Total Alkalinity 00410	Total Hardness 00900	Chloride mg/L 00940	Sulfate mg/L 00945
8/10/05 11:05 AM	4.00	10403 (TB8)	30.4	7.19	3.72	50	415	*	0.47	13.7	6	*	0.03	< 0.02	< 0.04	7	*	*	54.6	49.2
8/10/05 11:37 AM	4.00	18051 (TB7A)	30.4	7.1	3.23	45	348	*	0.87	5.9	2	*	0.07	0.03	< 0.04	7	*	*	44.7	39.6
8/8/05 9:55 AM	4.00	18052 (TB6R)	29.7	7.1	3.2	42	210	*	0.6	3.9	< 1	34	< 0.02	< 0.02	< 0.04	9	*	*	24.4	19.7
8/8/05 12:07 PM	4.00	18053 (TB6LN)	31.4	8.43	7.12	97	175	*	0.59	3.8	< 1	*	< 0.02	< 0.02	< 0.04	9	*	*	19.8	18.9
8/9/05 10:20 AM	4.00	15655 (TB6J)	30.5	7.16	5.22	69	177	*	0.48	6.4	< 1	*	< 0.02	< 0.02	< 0.04	8	*	*	20	19.4
8/9/05 12:25 PM	4.00	15659 (TB6K)	31.7	8.6	7.88	107	172	*	0.66	3.7	< 1	*	< 0.02	< 0.02	< 0.04	8	*	*	19.9	19.5
8/9/05 11:10 AM	4.00	10402 (TB6H)	30.3	8.3	6.98	93	173	*	1.1	1.8	< 1	20	< 0.02	< 0.02	< 0.04	9	*	*	20	20
8/8/05 12:55 PM	4.00	18054 (TB6Q)	31.6	8.44	7.54	103	161	*	1.23	1.5	< 1	*	< 0.02	< 0.02	< 0.04	7	*	*	17.8	19
8/9/05 10:42 AM	4.00	10411 (TB6F)	30.8	6.86	5.1	67	134	*	0.64	4.9	1	*	< 0.02	< 0.02	< 0.04	6	*	*	14.7	15.7
8/9/05 9:40 AM	4.00	10407 (TB6CN)	31	6.95	5.48	74	134	*	0.56	7	< 1	*	< 0.02	< 0.02	< 0.04	7	*	*	14.6	15.1
8/8/05 2:05 PM	4.00	10404 (TB6A)	32.3	8.06	7.45	103	146	*	2.61	0.8	< 1	6	< 0.02	< 0.02	< 0.04	7	*	*	15.7	17.8
8/10/05 11:45 AM	3.03	10340 (BA4)	27.1	7.26	6.35	80	561	*	0.12	59.1	8	*	0.02	0.31	0.16	12	*	*	19.4	143
8/10/05 10:40 AM	3.00	10401 (TB6S)	19.3	6.9	8.29	89	139	*	> 1.25	1.5	3	*	< 0.02	< 0.02	< 0.04	7	*	*	15	14.2
8/10/05 11:17 AM	3.00	10399 (SR5)	29.3	7.08	6.69	87	141	*	> 1.25	2.2	34	6	< 0.02	< 0.02	< 0.04	6	*	*	15.4	17.3
8/10/05 12:35 PM	3.00	10398 (SR3)	29.6	7.04	6.94	91	142	*	0.5	6.6	20	5	0.02	< 0.02	< 0.04	6	*	*	15.4	18.5
8/10/05 9:20 AM	2.05	10465 (BCC1)	24.2	6.65	7.42	88	38	*	0.31	19.4	199	*	< 0.02	0.11	< 0.04	7	*	*	< 10	< 10
8/10/05 8:45 AM	2.00	10397 (SR2)	20.4	6.77	6.23	80	139	*	0.37	11.3	18	8	< 0.02	< 0.02	< 0.04	6	*	*	14.1	18.5

\*: Not sampled on this run

# SABINE RIVER AUTHORITY OF TEXAS

August 2005

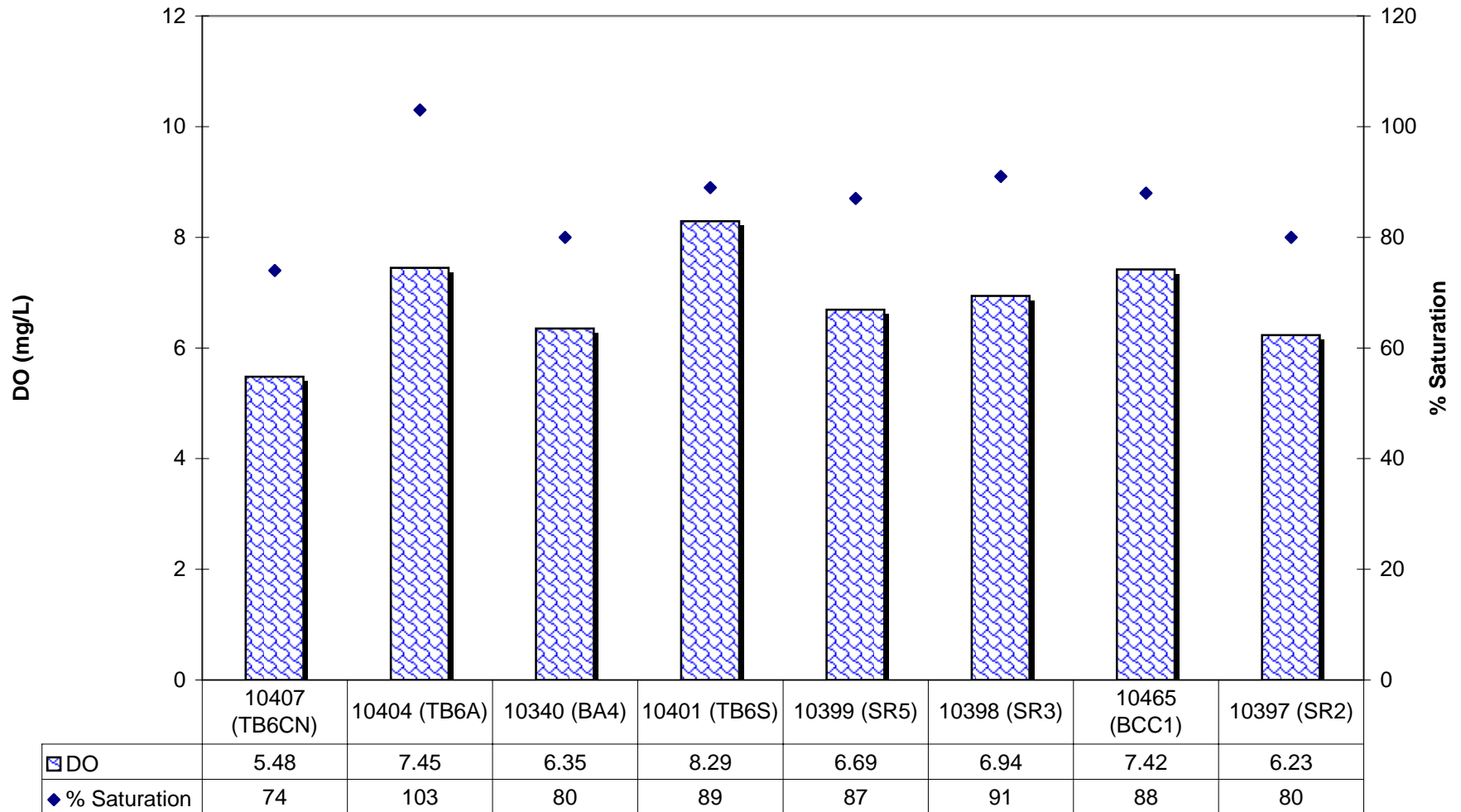
### Lower Sabine Basin DO / % Saturation (1 of 2)



# SABINE RIVER AUTHORITY OF TEXAS

August 2005

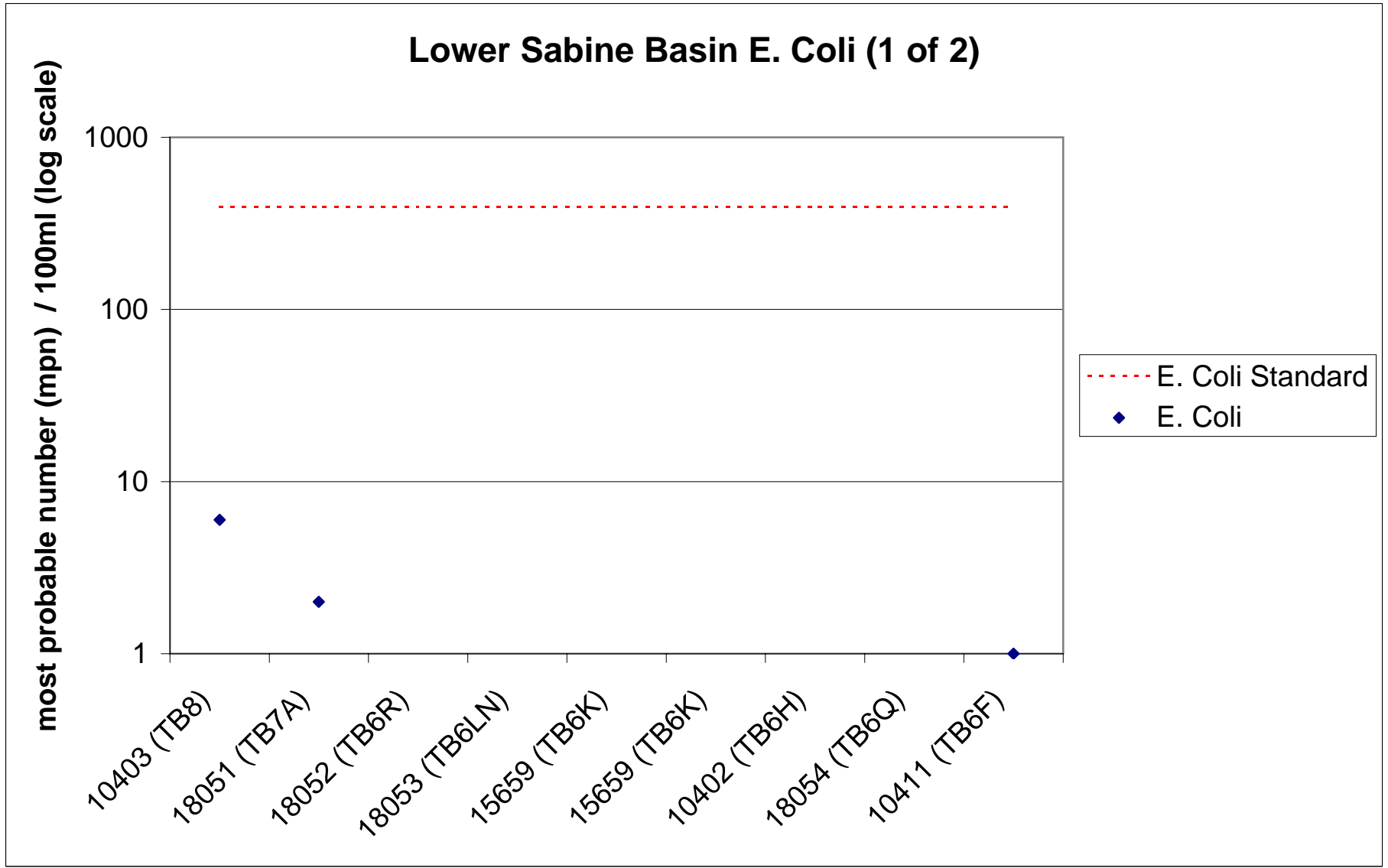
## Lower Sabine Basin DO / % Saturation (2 of 2)





# SABINE RIVER AUTHORITY OF TEXAS

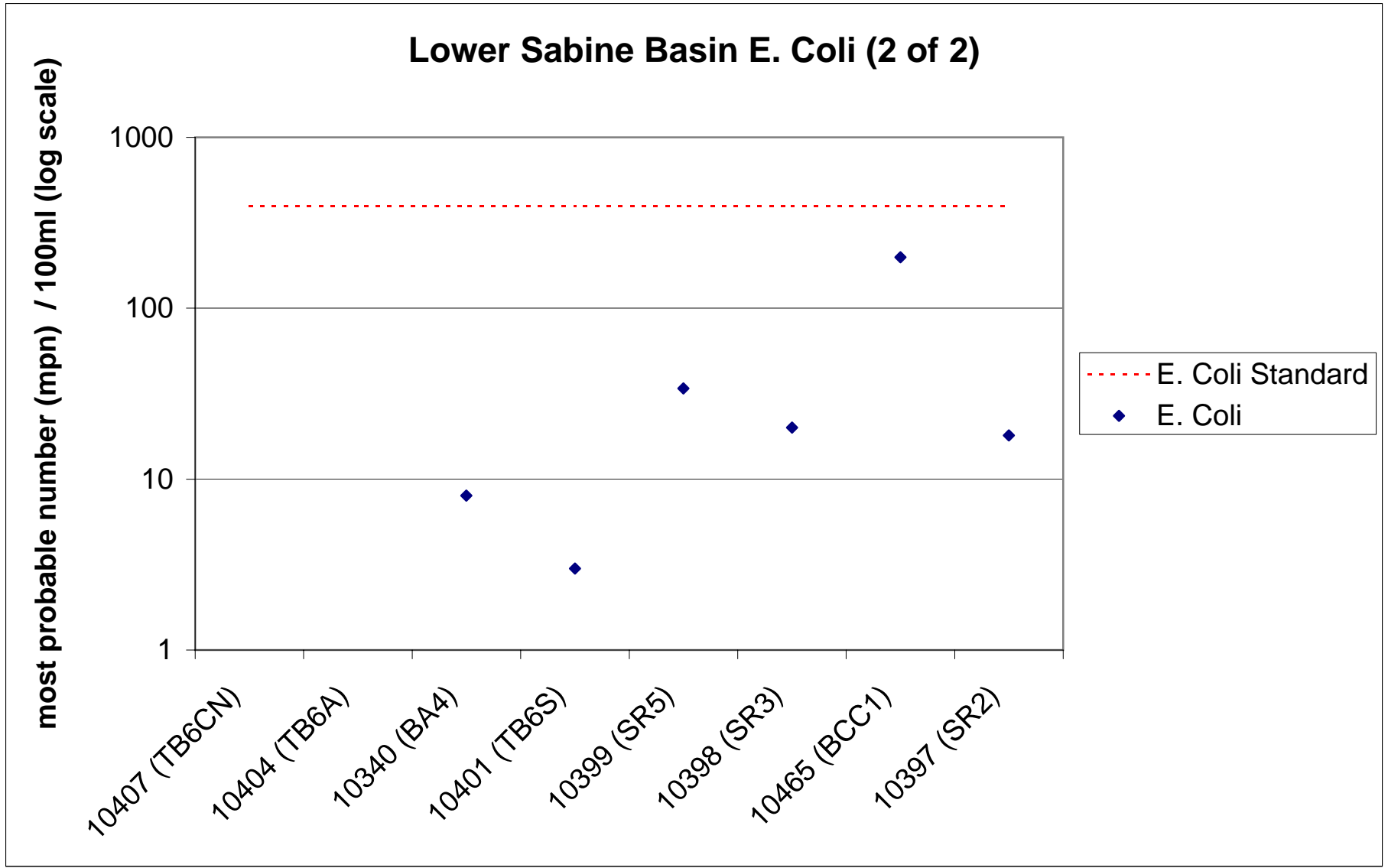
August 2005



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

# SABINE RIVER AUTHORITY OF TEXAS

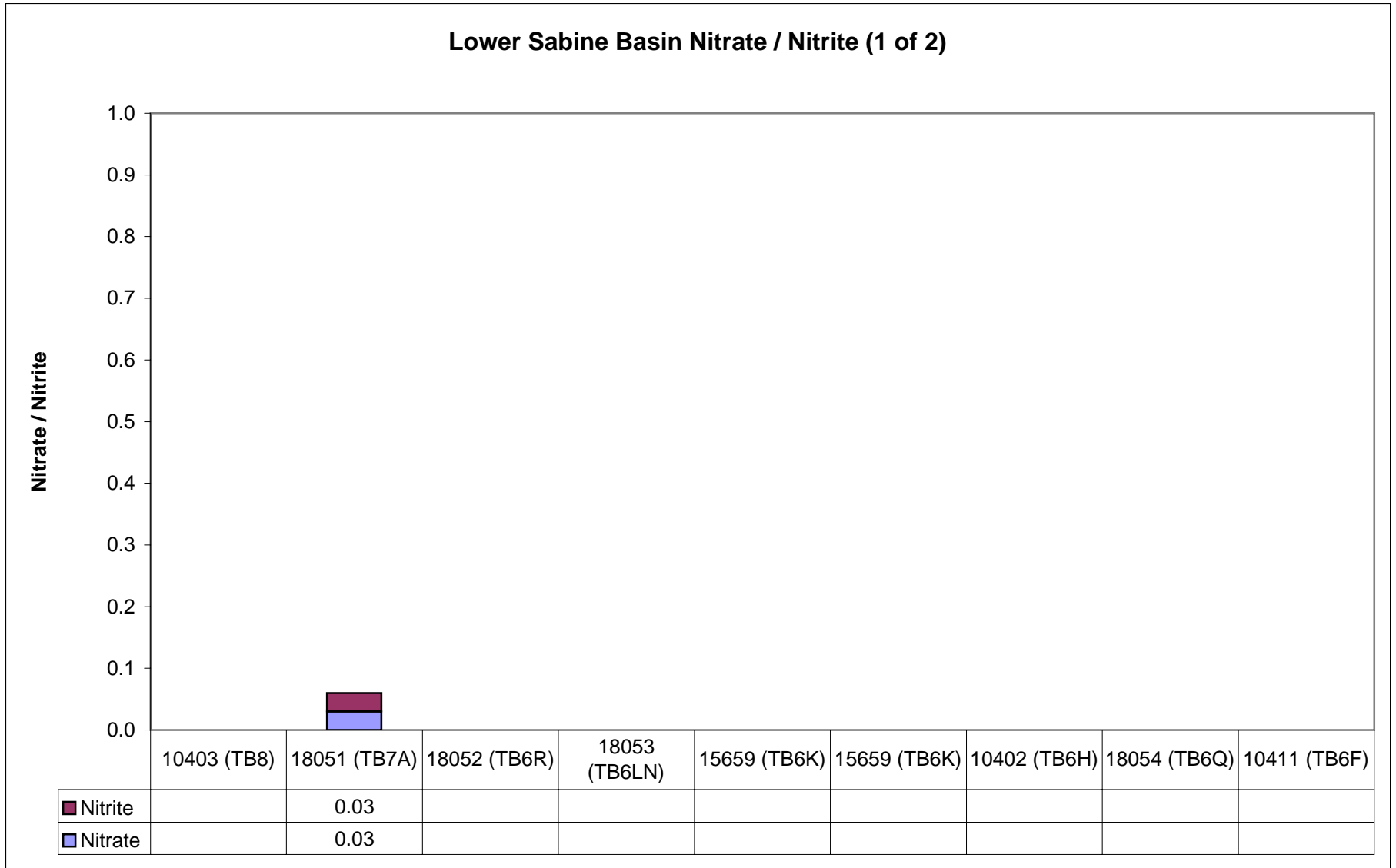
August 2005



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

# SABINE RIVER AUTHORITY OF TEXAS

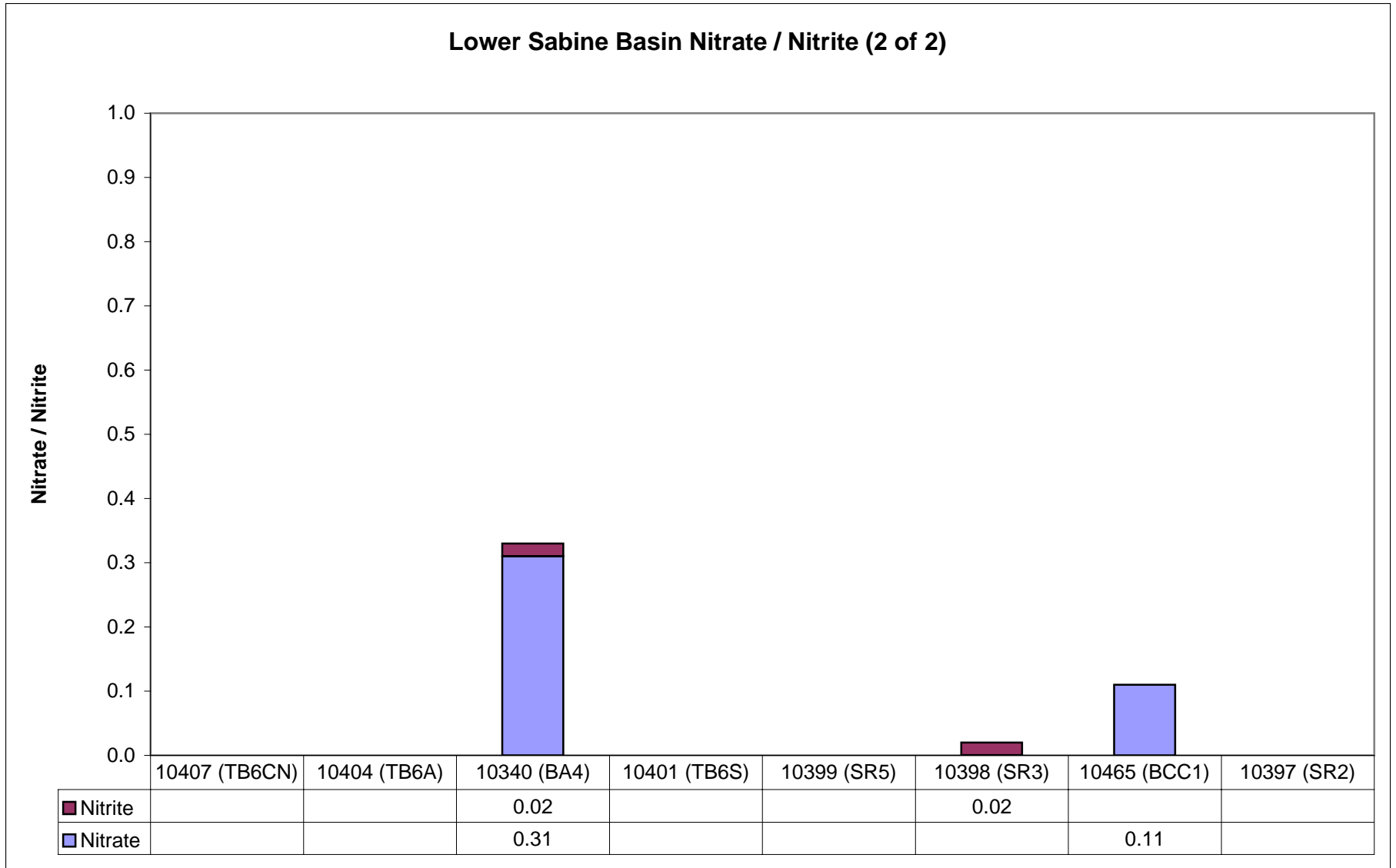
August 2005



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

# SABINE RIVER AUTHORITY OF TEXAS

August 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

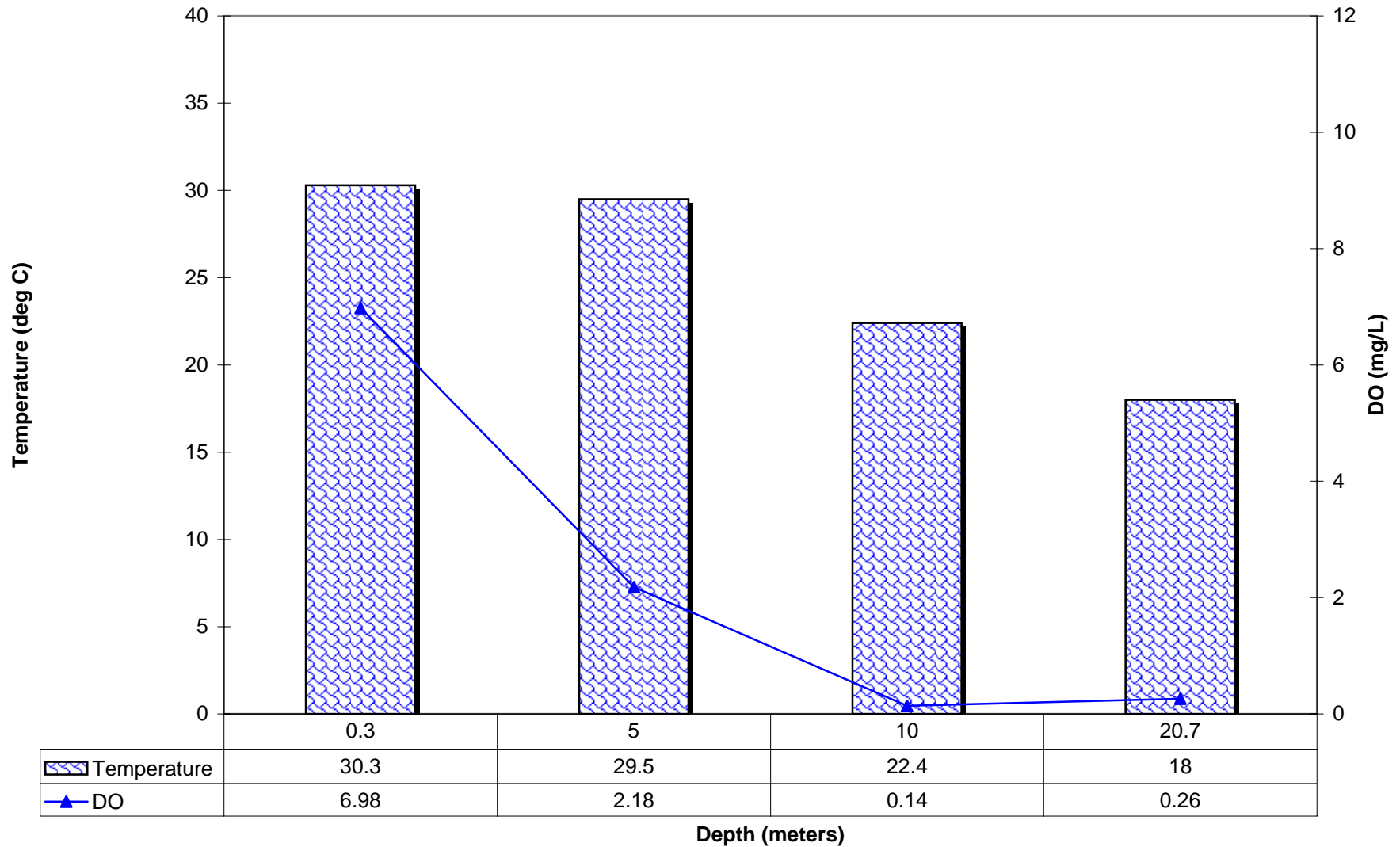
August 2005

Date	SW ID	Station	Depth Meters	Temperature	pH	DO	%	Conductivity
				°C 00010	Units 00400	mg/L 00300	Saturation 00301	µS/cm 00094
8/10/05 11:05 AM	4.00	10403 (TB8)	0.3	30.4	7.19	3.72	50	415
			4	30.1	7.13	2.75	37	415
			9.5	29.9	7.12	2.74	37	409
8/10/05 11:37 AM	4.00	18051 (TB7A)	0.3	30.4	7.1	3.23	45	348
			3.8	30	7.02	1.88	25	348
			7.8	28.6	7.03	0.19	3	429
8/8/05 9:55 AM	4.00	18052 (TB6R)	0.3	29.7	7.1	3.2	42	210
			4	29.6	7.09	2.51	33	212
			6.5	29.5	7.02	1.26	16	211
			14.6	21.4	6.99	0.38	4	228
8/8/05 12:07 PM	4.00	18053 (TB6LN)	0.3	31.4	8.43	7.12	97	175
			3	30.3	7.18	5.09	68	174
			4.5	29.6	6.89	0.4	5	188
8/9/05 10:20 AM	4.00	15655 (TB6J)	0.3	30.5	7.16	5.22	69	177
			2	30.3	6.7	1.18	16	178
			3.1	30.2	6.78	0.8	10	180
8/9/05 12:25 PM	4.00	15659 (TB6K)	0.3	31.7	8.6	7.88	107	172
			4	30.4	6.85	3.57	48	171
			7.3	29.8	6.88	1.59	21	181
8/9/05 11:10 AM	4.00	10402 (TB6H)	0.3	30.3	8.3	6.98	93	173
			5	29.5	6.71	2.18	29	171
			10	22.4	6.69	0.14	2	180
			20.7	18	6.87	0.26	2	177
8/8/05 12:55 PM	4.00	18054 (TB6Q)	0.3	31.6	8.44	7.54	103	161
			2	30.8	8.33	7.33	98	162
			4.6	30.2	6.89	6.54	88	161
			7.4	26.9	6.84	0.43	5	191
8/9/05 10:42 AM	4.00	10411 (TB6F)	0.3	30.8	6.86	5.1	67	134
			2	30.7	6.75	4.58	62	134
			3.6	30.3	6.57	1.5	20	136
8/9/05 9:40 AM	4.00	10407 (TB6CN)	0.3	31	6.95	5.48	74	134
			2.5	30.6	6.79	5.44	73	133
			5.4	30.2	6.65	2.64	35	134
8/8/05 2:05 PM	4.00	10404 (TB6A)	0.3	32.3	8.06	7.45	103	146
			2.5	30.9	8.07	7.25	98	146
			5	29.6	6.7	3.29	43	147
			10	20.2	6.45	0.2	2	151
			15	17.3	6.62	0.22	3	158
			26.6	15.2	6.91	0.33	3	167

# SABINE RIVER AUTHORITY OF TEXAS

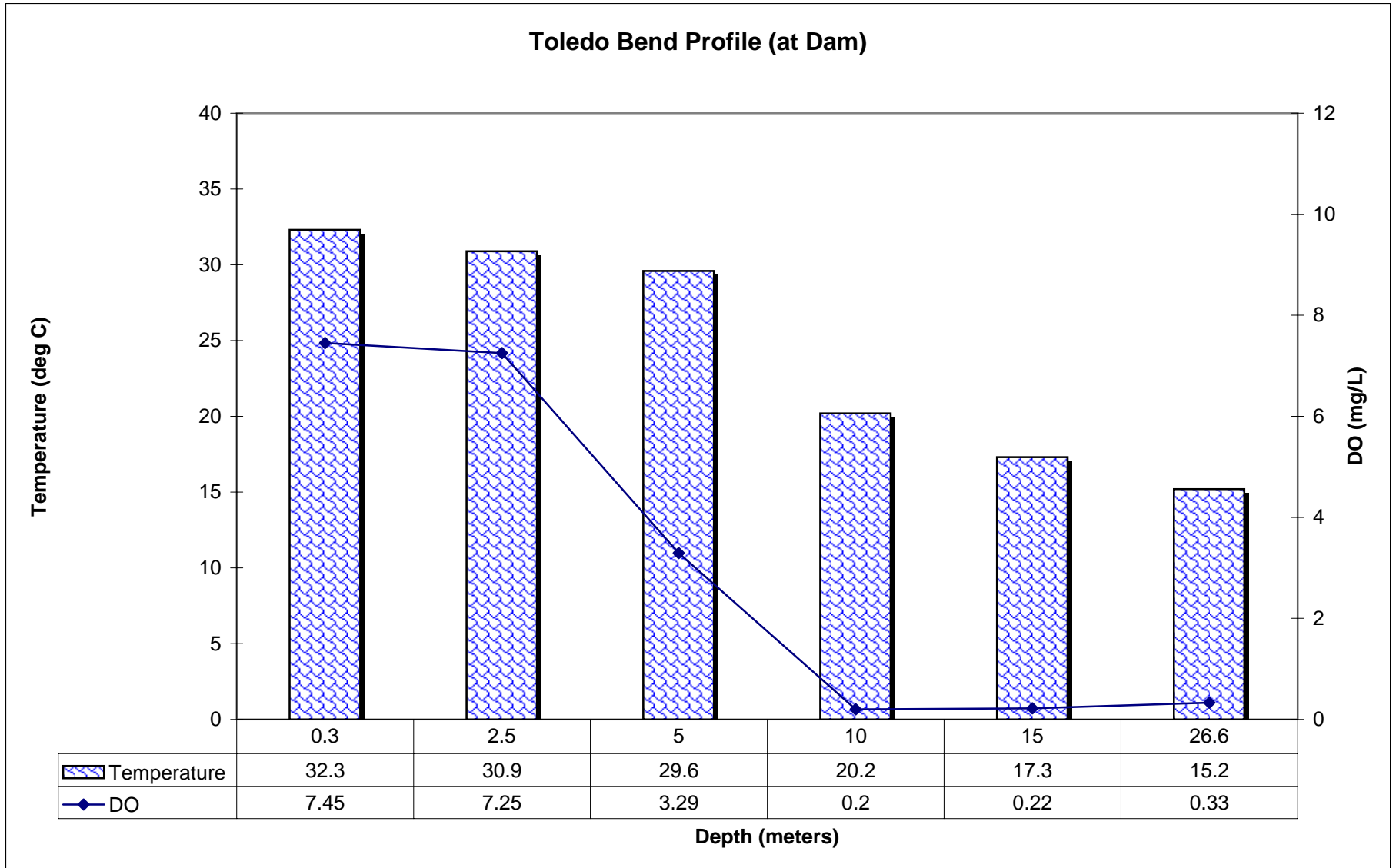
August 2005

## Toledo Bend Profile (at Pendleton Bridge)



# SABINE RIVER AUTHORITY OF TEXAS

August 2005



# SABINE RIVER AUTHORITY OF TEXAS

## Toledo Bend Weather and Reservoir Data

August 2005

Date	Lake Elev	LE - TOP	Max Temp	Min Temp	Rainfall	Evaporation	Daily Releases cfs	Daily Releases ac ft	Current Release
8/1/2005	166.59	(5.41)	94	74	0.29	0.24	5,761	11,427	204
8/2/2005	166.48	(5.52)	96	74	0.00	0.23	5,740	11,385	204
8/3/2005	166.41	(5.59)	98	73	0.00	0.21	5,809	11,522	204
8/4/2005	166.34	(5.66)	95	72	0.14	0.23	5,710	11,326	204
8/5/2005	166.29	(5.71)	97	71	0.03	0.25	5,752	11,722	204
8/6/2005	166.21	(5.79)	98	72	0.00	0.26	3,869	7,674	204
8/7/2005	166.21	(5.79)	95	71	0.00	0.31	204	405	204
8/8/2005	166.11	(5.89)	96	71	0.27	0.26	5,881	11,665	204
8/9/2005	166.04	(5.96)	94	72	0.00	0.20	5,763	11,431	204
8/10/2005	165.97	(6.03)	94	70	0.17	0.20	5,824	11,552	204
8/11/2005	165.88	(6.12)	95	70	0.00	0.20	5,356	10,623	204
8/12/2005	165.77	(6.23)	97	65	0.00	0.28	5,850	11,603	204
8/13/2005	165.69	(6.31)	98	74	0.00	0.30	3,938	7,811	204
8/14/2005	165.66	(6.34)	99	74	0.00	0.26	204	405	204
8/15/2005	165.59	(6.41)	99	61	0.02	0.30	5,868	11,639	204
8/16/2005	165.54	(6.46)	93	70	0.12	0.07	5,876	11,655	204
8/17/2005	165.46	(6.54)	96	70	0.00	0.28	5,896	11,695	204
8/18/2005	165.34	(6.66)	97	72	0.00	0.31	5,829	11,562	204
8/19/2005	165.25	(6.75)	98	75	0.00	0.32	5,994	11,889	204
8/20/2005	165.21	(6.79)	98	76	0.00	0.27	4,076	8,085	204
8/21/2005	165.22	(6.78)	101	76	0.00	0.33	204	405	204
8/22/2005	165.09	(6.91)	103	76	0.00	0.35	5,957	11,816	204
8/23/2005	165.00	(7.00)	101	72	0.00	0.25	5,958	11,818	204
8/24/2005	164.92	(7.08)	101	71	0.00	0.30	5,914	11,730	204
8/25/2005	164.83	(7.17)	102	74	0.00	0.32	5,847	11,697	204
8/26/2005	164.72	(7.28)	104	77	0.00	NR	6,021	11,943	204
8/27/2005	164.71	(7.29)	100	75	0.13	0.25	4,050	8,033	204
8/28/2005	164.76	(7.24)	NR	74	1.07	0.47	204	405	204
8/29/2005	164.73	(7.27)	OUT	OUT	0.00	0.22	5,843	11,589	204
8/30/2005	164.48	(7.52)	OUT	OUT	0.00	0.36	5,946	11,794	204
8/31/2005	164.38	(7.62)	OUT	OUT	0.00	0.22	5,883	11,669	204
<b>Avg or Tot</b>	165.51	(6.49)	98	72	2.24	8.05	4,872	299,975	

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

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

NR: No Reading

OUT: Gage Out

Toledo Bend Sampled on 8/8,9,10/2005

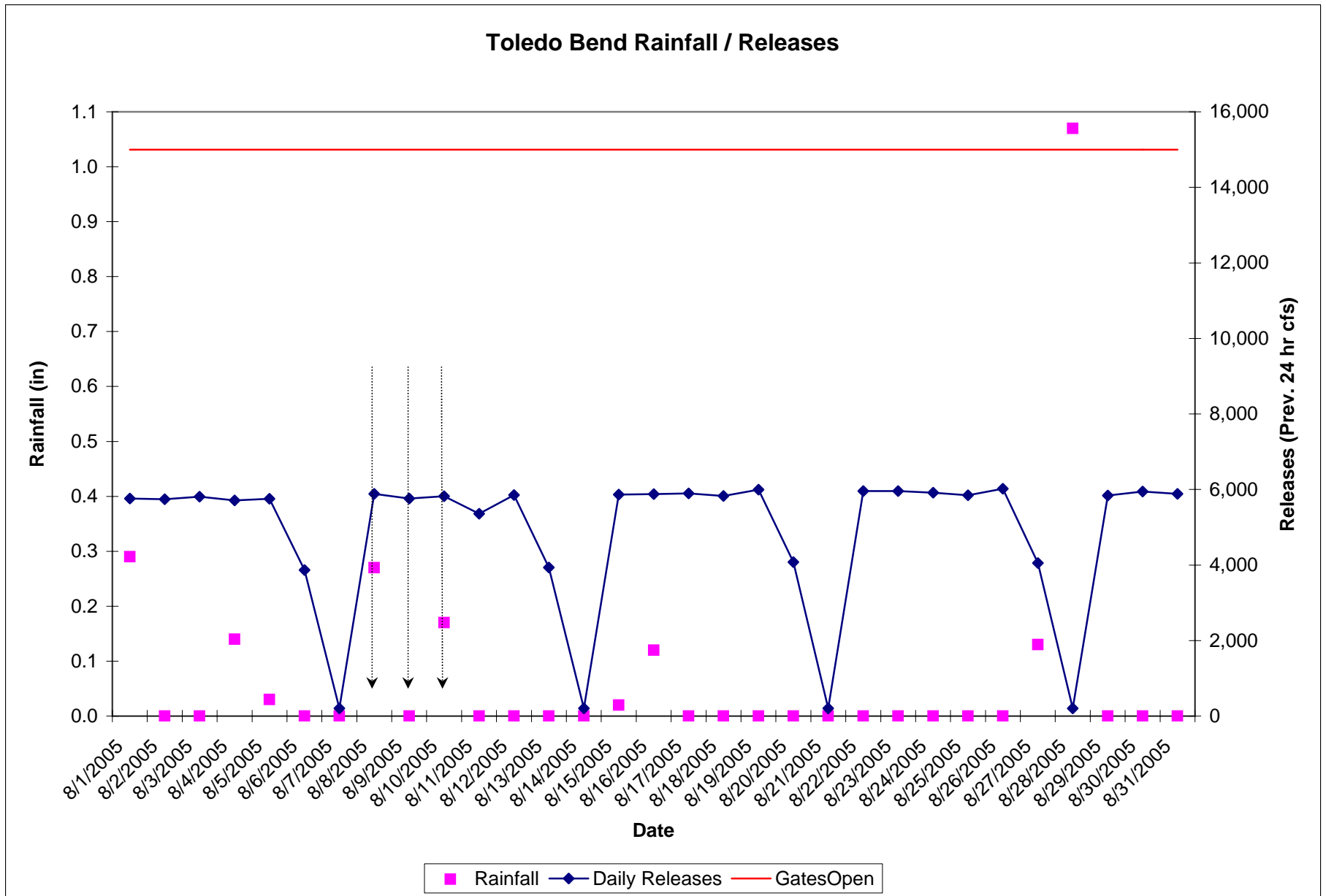
Lake Elev from USGS daily mean elevation  
 USGS 08025350 Toledo Bd Res nr Burkeville, TX  
[http://waterdata.usgs.gov/bx/nwis/dv/?site\\_no=08025350&agency\\_cd=USGS](http://waterdata.usgs.gov/bx/nwis/dv/?site_no=08025350&agency_cd=USGS)  
 Acquired 11/3/2005; provisional and subject to revision by USGS.

Other values measured by SRA-TX



# SABINE RIVER AUTHORITY OF TEXAS

August 2005



Toledo Bend sampled on 8/8,9,10/2005

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

# SABINE RIVER AUTHORITY OF TEXAS

## Burkeville Weather and River Data

August 2005

Date	Rainfall	Gauge Height	GH - FS	Flow
8/1/2005	OUT	15.81	(22.19)	3,710
8/2/2005	OUT	18.83	(19.17)	6,090
8/3/2005	OUT	18.88	(19.12)	6,150
8/4/2005	OUT	18.91	(19.09)	6,190
8/5/2005	OUT	18.89	(19.11)	6,160
8/6/2005	OUT	17.97	(20.03)	5,030
8/7/2005	OUT	15.06	(22.94)	2,300
8/8/2005	OUT	15.87	(22.13)	3,770
8/9/2005	OUT	18.93	(19.07)	6,210
8/10/2005	OUT	18.93	(19.07)	6,210
8/11/2005	OUT	18.92	(19.08)	6,200
8/12/2005	OUT	18.94	(19.06)	6,230
8/13/2005	OUT	OUT	OUT	OUT
8/14/2005	OUT	OUT	OUT	OUT
8/15/2005	OUT	OUT	OUT	OUT
8/16/2005	OUT	18.94	(19.06)	6,230
8/17/2005	OUT	19.01	(18.99)	6,310
8/18/2005	OUT	19.06	(18.94)	6,360
8/19/2005	OUT	19.04	(18.96)	6,340
8/20/2005	OUT	18.08	(19.92)	5,150
8/21/2005	OUT	15.05	(22.95)	2,300
8/22/2005	OUT	15.83	(22.17)	3,750
8/23/2005	OUT	18.94	(19.06)	6,230
8/24/2005	OUT	18.98	(19.02)	6,270
8/25/2005	OUT	18.98	(19.02)	6,280
8/26/2005	OUT	19.03	(18.97)	6,340
8/27/2005	OUT	18.05	(19.95)	5,110
8/28/2005	OUT	15.07	(22.93)	2,320
8/29/2005	OUT	15.85	(22.15)	3,770
8/30/2005	OUT	18.96	(19.04)	6,260
8/31/2005	OUT	19.02	(18.98)	6,330
<b>Avg or Tot</b>	OUT	17.99	(20.01)	5,343

	Tot	Avg	Avg	Avg
Units	Inches	Feet	Feet	cfs

FS: Flood Stage = 38 feet

OUT: Gage Out

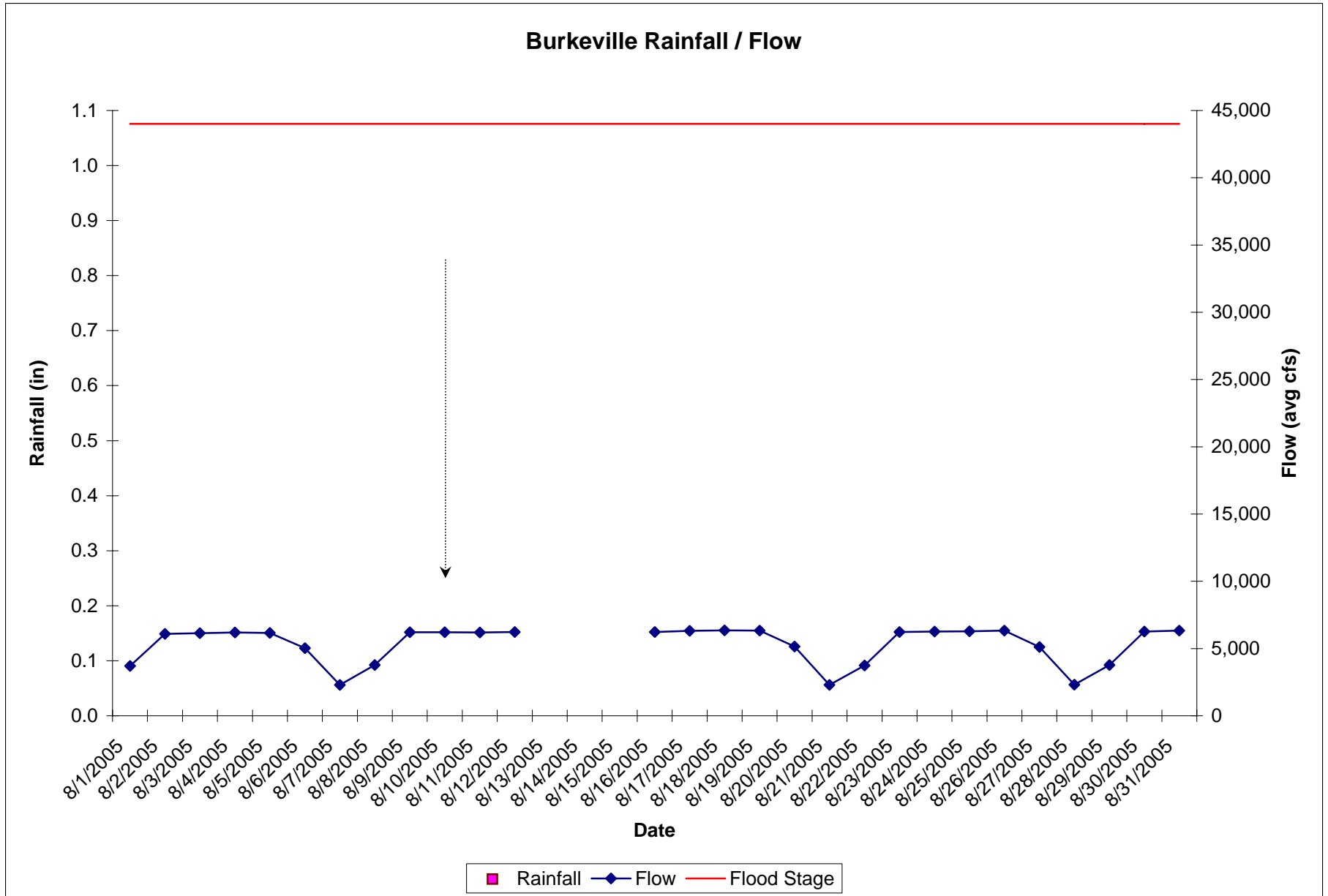
Lower Sabine Basin Sampled on 8/10/2005
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Gauge Height and Flow from USGS daily mean Gage height and Discharge, respectively  
 USGS 08026000 Sabine Rv nr Burkeville, TX  
[http://waterdata.usgs.gov/tx/nwis/dv/?site\\_no=08026000&agency\\_cd=USGS](http://waterdata.usgs.gov/tx/nwis/dv/?site_no=08026000&agency_cd=USGS)  
 Acquired 11/3/2005; provisional and subject to revision by USGS.

Other values measured by SRA-TX

# SABINE RIVER AUTHORITY OF TEXAS

August 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

August 2005

<b>Date</b>	<b>Gauge Height</b>	<b>GH - FS</b>	<b>Flow Avg</b>	<b>308 Rainfall</b>
8/1/2005	15.30	(14.70)	2,030	OUT
8/2/2005	16.98	(13.02)	3,690	OUT
8/3/2005	18.87	(11.13)	5,480	OUT
8/4/2005	19.04	(10.96)	5,690	OUT
8/5/2005	19.07	(10.93)	5,730	OUT
8/6/2005	18.99	(11.01)	5,630	OUT
8/7/2005	18.02	(11.98)	4,480	OUT
8/8/2005	15.41	(14.59)	2,130	OUT
8/9/2005	17.08	(12.92)	3,790	OUT
8/10/2005	18.97	(11.03)	5,600	OUT
8/11/2005	19.04	(10.96)	5,690	OUT
8/12/2005	19.00	(11.00)	5,640	OUT
8/13/2005	19.01	(10.99)	5,640	OUT
8/14/2005	18.05	(11.95)	4,510	OUT
8/15/2005	15.46	(14.54)	2,160	OUT
8/16/2005	17.20	(12.80)	3,890	OUT
8/17/2005	19.14	(10.86)	5,820	OUT
8/18/2005	19.21	(10.79)	5,900	OUT
8/19/2005	19.20	(10.80)	5,880	OUT
8/20/2005	19.15	(10.85)	5,820	OUT
8/21/2005	18.09	(11.91)	4,560	OUT
8/22/2005	15.43	(14.57)	2,140	OUT
8/23/2005	17.07	(12.93)	3,770	OUT
8/24/2005	18.97	(11.03)	5,600	OUT
8/25/2005	19.03	(10.97)	5,680	OUT
8/26/2005	19.04	(10.96)	5,690	OUT
8/27/2005	19.09	(10.91)	5,750	OUT
8/28/2005	18.09	(11.91)	4,550	OUT
8/29/2005	15.43	(14.57)	2,140	OUT
8/30/2005	17.05	(12.95)	3,750	OUT
8/31/2005	18.95	(11.05)	5,590	OUT
<b>Avg or Tot</b>	18.01	(11.99)	4,659	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 8/10/2005
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Gauge Height and Flow from USGS daily mean Gage height and Discharge, respectively

USGS 08028500 Sabine Rv nr Bon Wier, TX

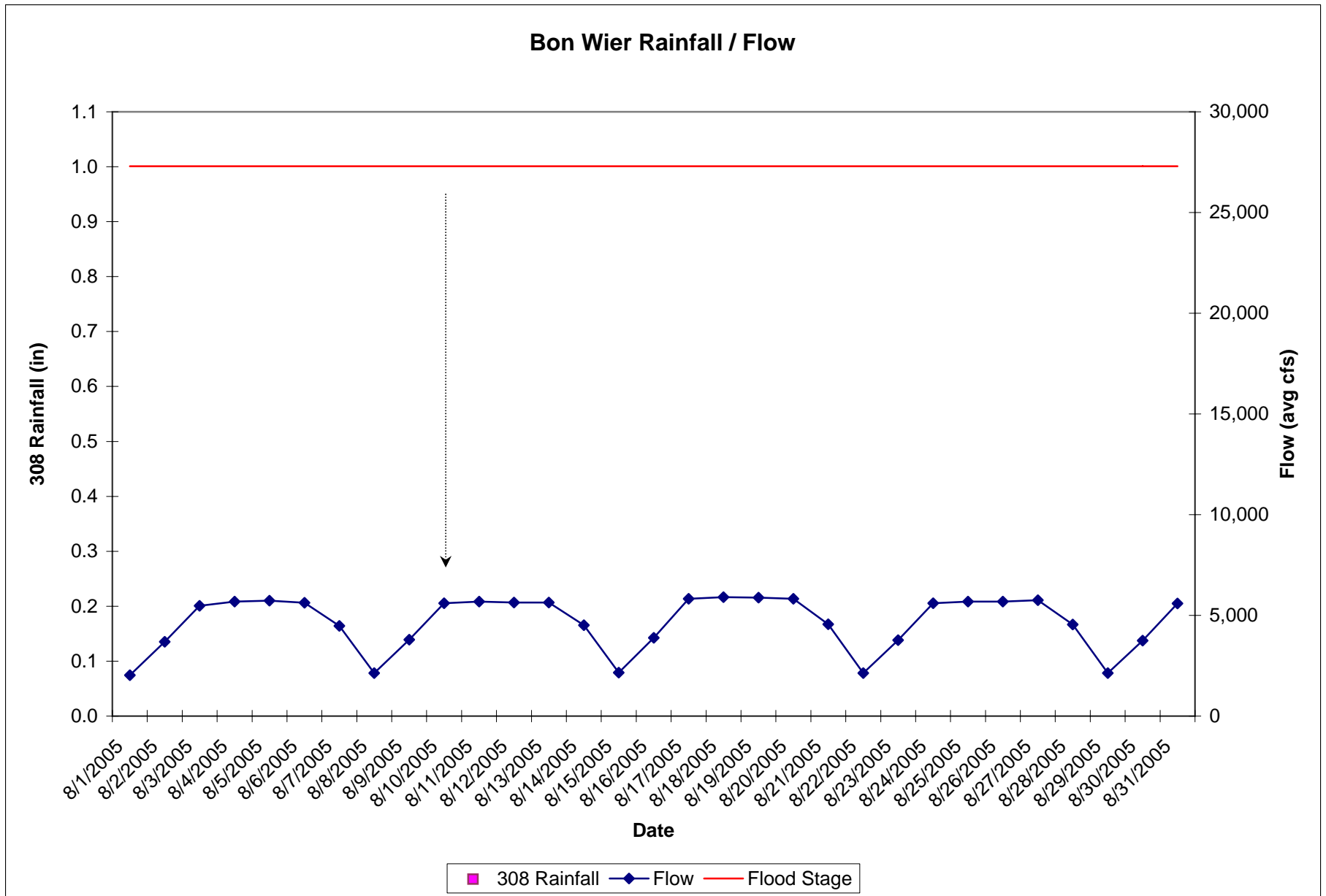
[http://waterdata.usgs.gov/tx/nwis/dv/?site\\_no=08028500&agency\\_cd=USGS](http://waterdata.usgs.gov/tx/nwis/dv/?site_no=08028500&agency_cd=USGS)

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

Other values measured by SRA-TX

# SABINE RIVER AUTHORITY OF TEXAS

August 2005



Lower Sabine Basin sampled on 8/10/2005

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

August 2005

Date	Gauge Height	GH - FS	Flow cfs	Flow acft	309 Rainfall
8/1/2005	20.89	(3.11)	5,660	11,226	OUT
8/2/2005	20.03	(3.97)	4,430	8,787	OUT
8/3/2005	18.91	(5.09)	3,240	6,426	OUT
8/4/2005	20.21	(3.79)	4,640	9,203	OUT
8/5/2005	20.93	(3.07)	5,720	11,345	OUT
8/6/2005	21.20	(2.80)	6,160	12,218	OUT
8/7/2005	21.29	(2.71)	6,330	12,555	OUT
8/8/2005	21.24	(2.76)	6,230	12,357	OUT
8/9/2005	20.47	(3.53)	5,040	9,997	OUT
8/10/2005	19.26	(4.74)	3,530	7,002	OUT
8/11/2005	20.31	(3.69)	4,780	9,481	OUT
8/12/2005	20.95	(3.05)	5,760	11,425	OUT
8/13/2005	21.20	(2.80)	6,170	12,238	OUT
8/14/2005	21.31	(2.69)	6,350	12,595	OUT
8/15/2005	21.32	(2.68)	6,380	12,655	OUT
8/16/2005	20.65	(3.35)	5,300	10,512	OUT
8/17/2005	19.53	(4.47)	3,790	7,517	OUT
8/18/2005	20.51	(3.49)	5,070	10,056	OUT
8/19/2005	21.13	(2.87)	6,040	11,980	OUT
8/20/2005	21.36	(2.64)	6,440	12,774	OUT
8/21/2005	21.43	(2.57)	6,570	13,031	OUT
8/22/2005	21.36	(2.64)	6,440	12,774	OUT
8/23/2005	20.53	(3.47)	5,130	10,175	OUT
8/24/2005	19.23	(4.77)	3,500	6,942	OUT
8/25/2005	20.26	(3.74)	4,710	9,342	OUT
8/26/2005	20.92	(3.08)	5,710	11,326	OUT
8/27/2005	21.17	(2.83)	6,100	12,099	OUT
8/28/2005	21.27	(2.73)	6,290	12,476	OUT
8/29/2005	21.22	(2.78)	6,190	12,278	OUT
8/30/2005	20.39	(3.61)	4,930	9,779	OUT
8/31/2005	19.12	(4.88)	3,410	6,764	OUT
<b>Avg or Tot</b>	20.63	(3.37)	5,356	329,335	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 8/10/2005

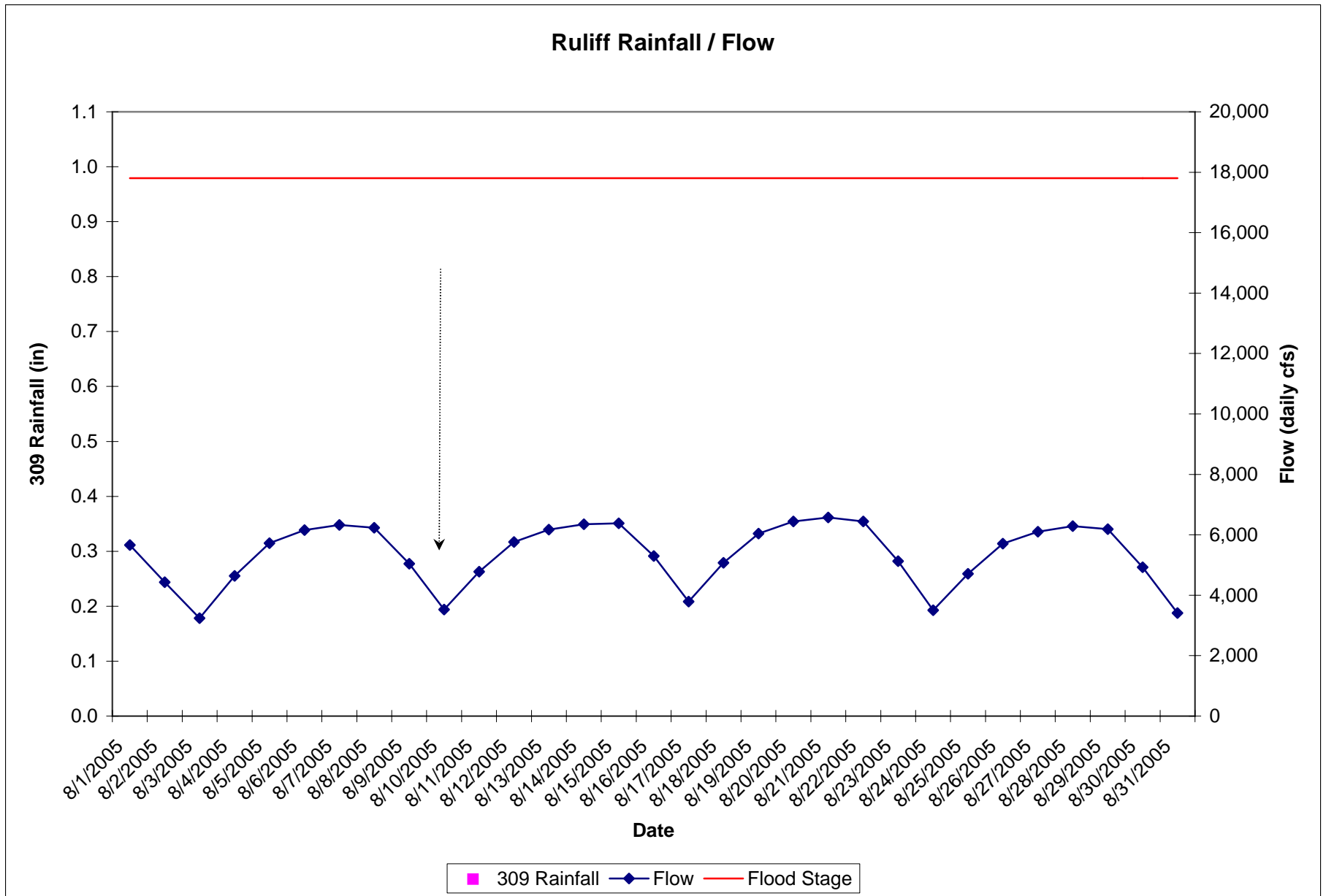
Gauge Height and Flow from USGS daily mean Gage height and Discharge, respectively  
 USGS 08030500 Sabine Rv nr Ruliff, TX  
[http://waterdata.usgs.gov/tx/nwis/dv/?site\\_no=08030500&agency\\_cd=USGS](http://waterdata.usgs.gov/tx/nwis/dv/?site_no=08030500&agency_cd=USGS)  
 Acquired 11/3/2005; provisional and subject to revision by USGS.

Other values measured by SRA-TX

Flow acft = Flow cfs \* 1.98347

# SABINE RIVER AUTHORITY OF TEXAS

August 2005



Lower Sabine Basin sampled on 8/10/2005

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

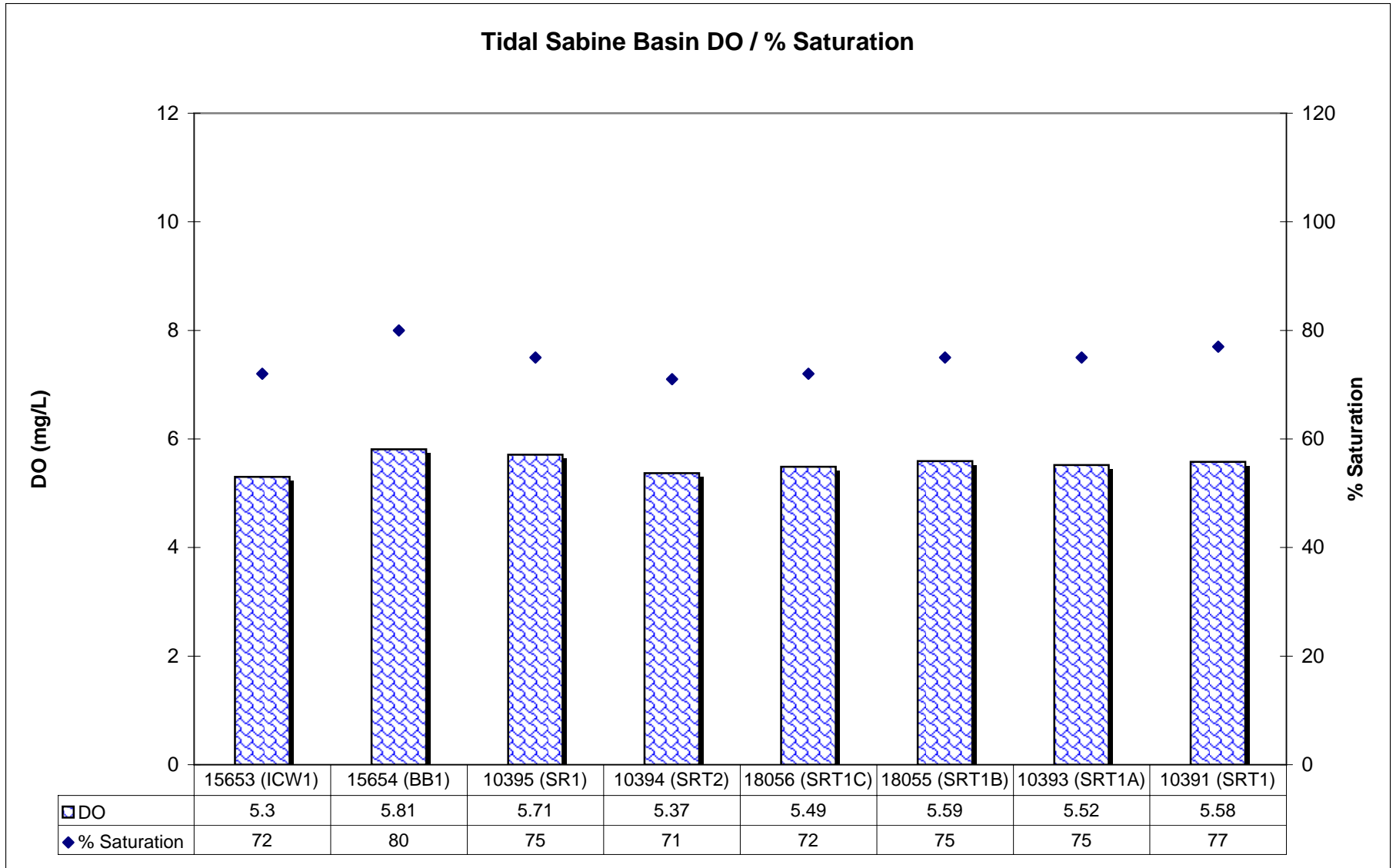
August 2005

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
8/11/05 10:05 AM	1.05	15653 (ICW1)	30.6	7.04	5.3	72	4358	2	0.52	9.5	7	9	*	< 0.02	0.05	< 0.04	4	*	*
8/11/05 10:50 AM	1.01	15654 (BB1)	30.6	7.25	5.81	80	7937	4	0.49	9.3	517	12	*	< 0.02	0.02	< 0.04	4	*	*
8/11/05 9:08 AM	1.00	10395 (SR1)	29.3	6.95	5.71	75	180	*	0.41	17.2	9	*	*	< 0.02	0.02	< 0.04	7	*	*
8/11/05 9:30 AM	1.00	10394 (SRT2)	29.6	6.79	5.37	71	156	< 1	0.5	12	15	20	*	0.06	0.02	< 0.04	6	*	*
8/11/05 9:45 AM	1.00	18056 (SRT1C)	29.7	7.21	5.49	72	267	< 1	0.51	11.4	3	10	*	0.05	0.02	< 0.04	6	*	*
8/11/05 10:20 AM	1.00	18055 (SRT1B)	30.4	7.16	5.59	75	2004	1	0.64	9.7	2	5	*	< 0.02	0.04	< 0.04	6	*	*
8/11/05 10:35 AM	1.00	10393 (SRT1A)	30.6	7.18	5.52	75	4209	2	0.65	9.3	13	9	*	< 0.02	0.04	< 0.04	5	*	*
8/11/05 11:00 AM	1.00	10391 (SRT1)	30.9	7.27	5.58	77	6744	4	0.61	8.5	15	5	*	< 0.02	0.03	< 0.04	4	*	*

\*: Not sampled on this run

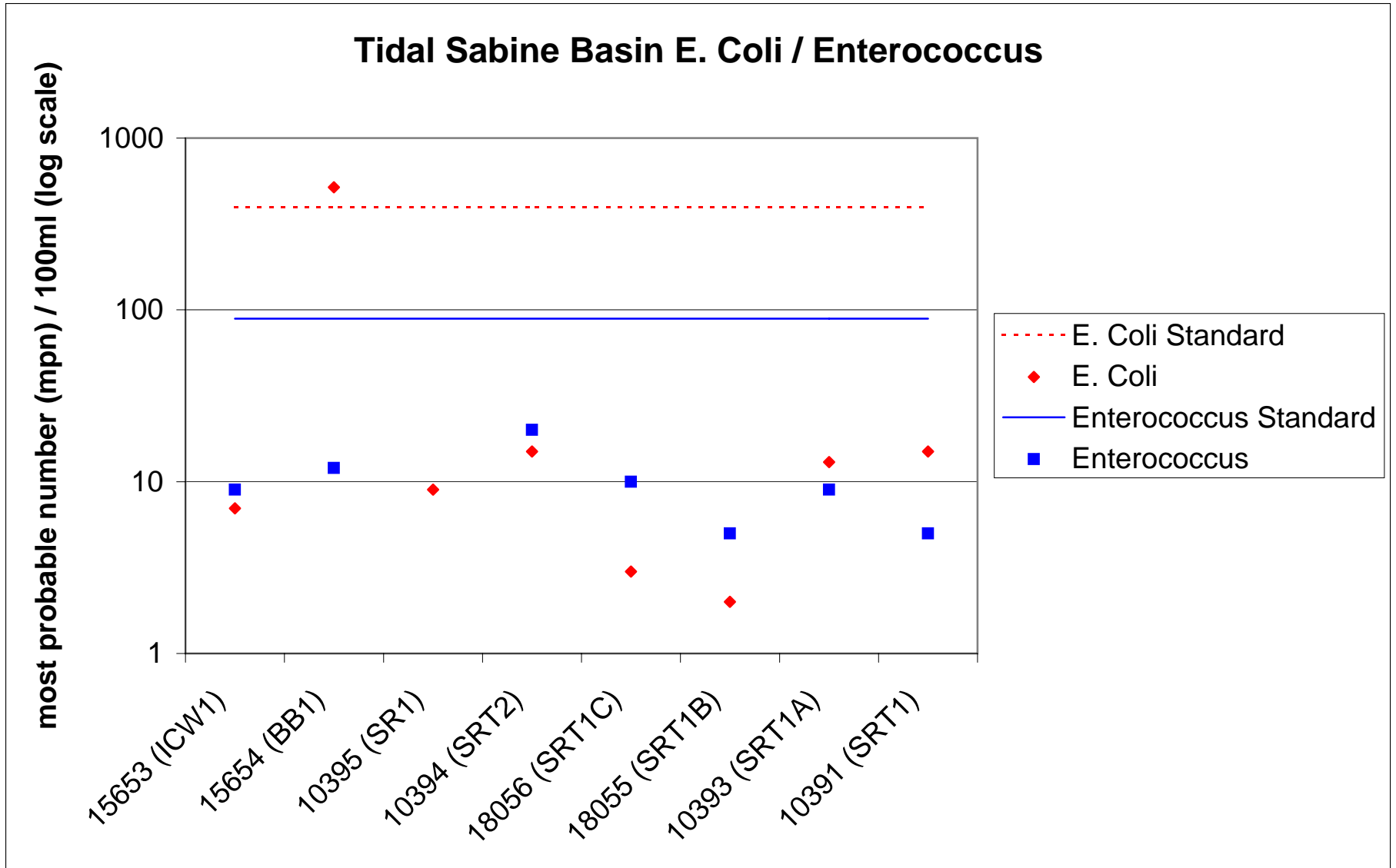
# SABINE RIVER AUTHORITY OF TEXAS

August 2005



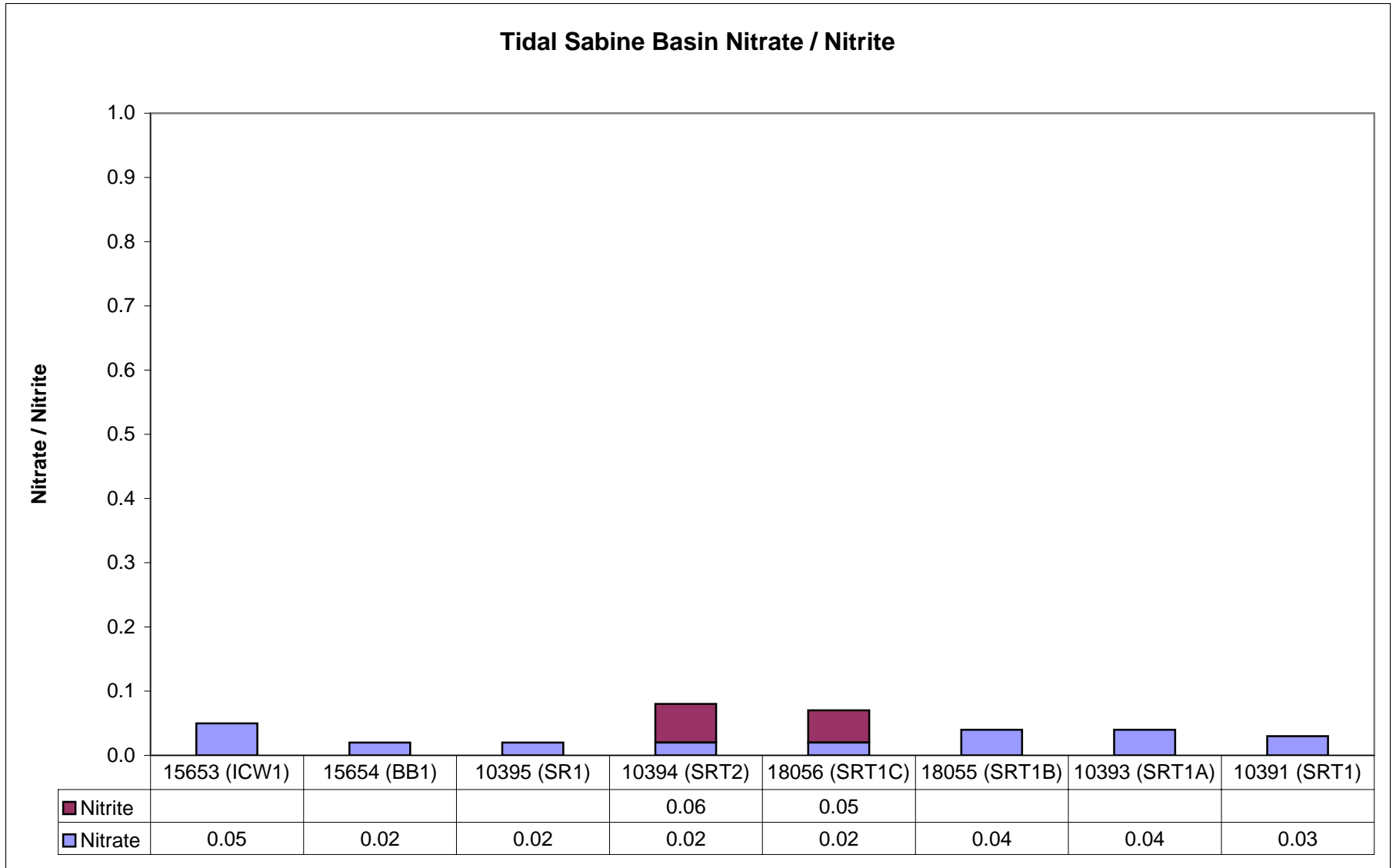
# SABINE RIVER AUTHORITY OF TEXAS

August 2005



# SABINE RIVER AUTHORITY OF TEXAS

August 2005



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

# SABINE RIVER AUTHORITY OF TEXAS

## Tidal Profiles

August 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
8/11/05 10:05 AM	1.05	15653 (ICW1)	0.3	30.6	7.04	5.3	72	4358	2
			3	30.6	7.01	4.91	66	5097	3
			6	30.6	6.95	4.33	59	6775	4
8/11/05 10:50 AM	1.01	15654 (BB1)	0.3	30.6	7.25	5.81	80	7937	4
			3	30.7	7.09	4.44	61	9458	5
			6.2	30.7	7.08	4.22	59	9775	6
8/11/05 9:30 AM	1.00	10394 (SRT2)	0.3	29.6	6.79	5.37	71	156	< 1
			4	29.5	6.78	5.29	70	156	< 1
			7.5	29.5	6.79	5.23	69	156	< 1
8/11/05 9:45 AM	1.00	18056 (SRT1C)	0.3	29.7	7.21	5.49	72	267	< 1
			3	30	7.15	4.87	66	2300	1
			6	31.3	6.93	1.26	19	20020	12
			8	31.2	6.88	0.14	2	23100	14
			11.2	30.9	6.83	0.2	3	23990	14
8/11/05 10:20 AM	1.00	18055 (SRT1B)	0.3	30.4	7.16	5.59	75	2004	1
			3	30.5	7.17	4.74	65	5814	3.4
			6.5	31.2	6.94	1.3	19	21405	13
8/11/05 10:35 AM	1.00	10393 (SRT1A)	0.3	30.6	7.18	5.52	75	4209	2
			3	30.8	7.16	4.57	63	8701	5
			7.3	31.1	7.04	2.48	36	21110	13
8/11/05 11:00 AM	1.00	10391 (SRT1)	0.3	30.9	7.27	5.58	77	6744	4
			2.5	30.7	7.3	5.09	71	9071	5
			5	30.9	7.32	4.79	68	15250	9
			10.5	31.1	7.21	3	44	22790	14

# SABINE RIVER AUTHORITY OF TEXAS

## Orange Weather and River Data

August 2005

Date	310 (Orange) Rainfall	Gauge Height	GH - FS	Max Temp	Min Temp	Cur Temp	293 (GCD) Rainfall
8/1/2005	OUT	OUT	OUT	93	73	73	0.00
8/2/2005	OUT	OUT	OUT	94	73	74	0.16
8/3/2005	OUT	OUT	OUT	89	73	75	0.00
8/4/2005	OUT	OUT	OUT	88	72	72	1.00
8/5/2005	OUT	OUT	OUT	91	70	71	0.10
8/6/2005	OUT	OUT	OUT	92	69	72	0.00
8/7/2005	OUT	OUT	OUT	92	72	73	0.00
8/8/2005	OUT	OUT	OUT	94	72	73	0.04
8/9/2005	OUT	OUT	OUT	88	72	73	0.00
8/10/2005	OUT	OUT	OUT	90	70	70	0.00
8/11/2005	OUT	OUT	OUT	93	70	74	0.00
8/12/2005	OUT	OUT	OUT	94	72	72	0.00
8/13/2005	OUT	OUT	OUT	93	71	74	0.00
8/14/2005	OUT	OUT	OUT	91	74	75	0.01
8/15/2005	OUT	OUT	OUT	93	73	74	0.40
8/16/2005	OUT	OUT	OUT	92	73	73	0.09
8/17/2005	OUT	OUT	OUT	92	71	71	0.12
8/18/2005	OUT	OUT	OUT	93	71	74	0.00
8/19/2005	OUT	OUT	OUT	92	74	75	0.00
8/20/2005	OUT	OUT	OUT	94	75	75	0.02
8/21/2005	OUT	OUT	OUT	95	74	74	0.00
8/22/2005	OUT	OUT	OUT	OUT	OUT	OUT	0.87
8/23/2005	OUT	OUT	OUT	95	74	74	0.02
8/24/2005	OUT	OUT	OUT	94	74	76	0.00
8/25/2005	OUT	OUT	OUT	94	74	76	0.12
8/26/2005	OUT	OUT	OUT	94	76	76	0.00
8/27/2005	OUT	OUT	OUT	94	76	76	0.00
8/28/2005	OUT	OUT	OUT	95	74	74	0.22
8/29/2005	OUT	OUT	OUT	95	74	79	0.02
8/30/2005	OUT	OUT	OUT	93	72	72	0.14
8/31/2005	OUT	OUT	OUT	93	72	74	0.02
<b>Avg or Tot</b>	OUT	OUT	OUT	93	73	74	3.35

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

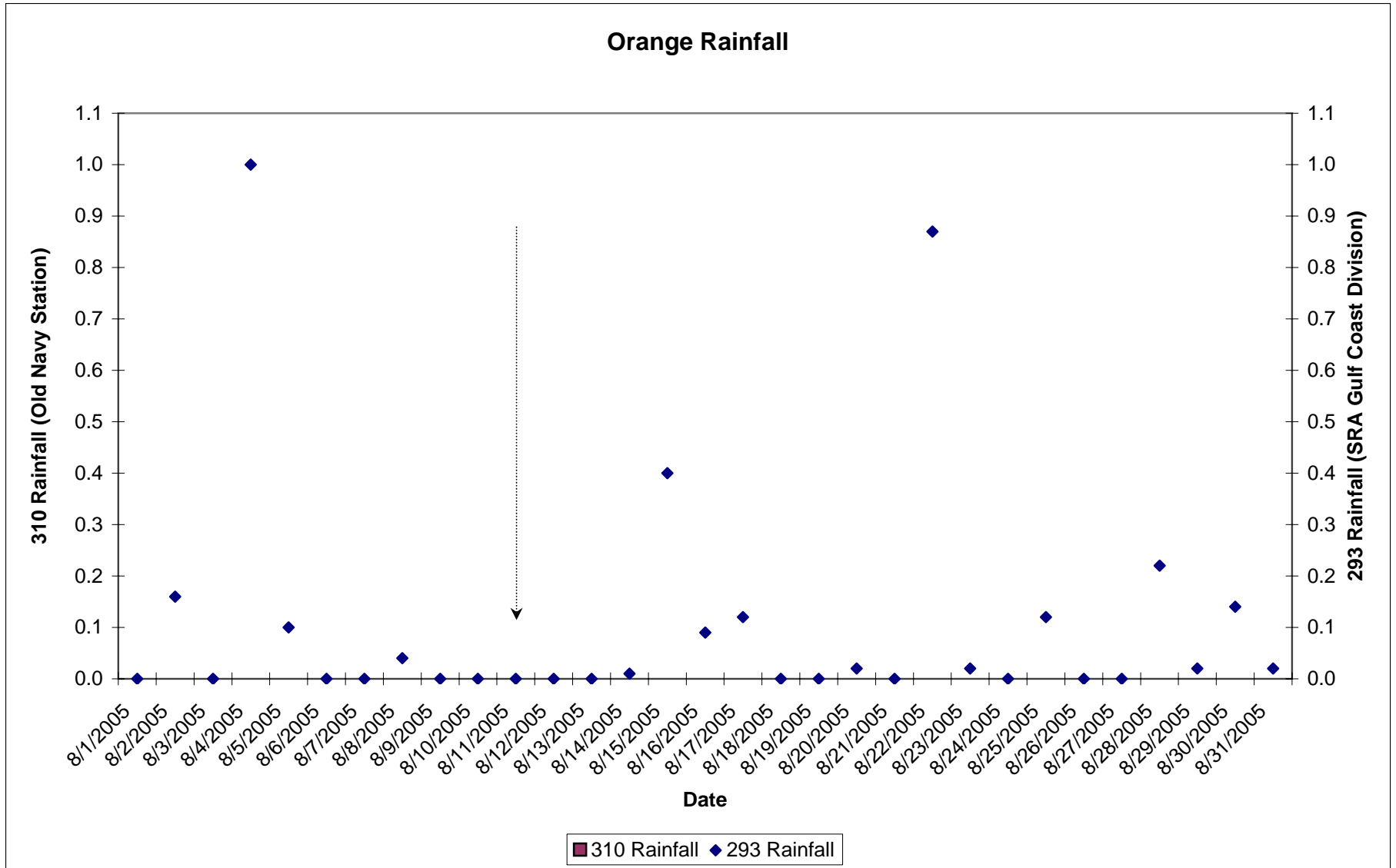
OUT: Gage Out

Tidal Sabine Basin Sampled on 8/11/2005
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Values measured by SRA-TX

# SABINE RIVER AUTHORITY OF TEXAS

August 2005



Tidal Sabine Basin Sampled on 8/11/2005