
SABINE RIVER AUTHORITY OF TEXAS

TO: INTERESTED PARTIES
FROM: ENVIRONMENTAL SERVICES DIVISION
RE: JULY 2018 MONTHLY WATER QUALITY REPORT

The Environmental Services Field Offices conducted water quality monitoring in the Sabine Basin from July 9th through the 12th. The results of field monitoring are presented in this report¹ and additional data can be found using the Texas Commission on Environmental Quality (TCEQ) Clean Rivers Program Data Tool: <https://www80.tceq.texas.gov/SwqmisWeb/public/crpweb.faces>

Sabine Basin Tidal (Including Tributaries)

Weather – Air temperatures in the tidal basin were hot with highs in the mid 80s to low 90s. Low temperatures were in the low 70s. The tidal stations received 4.94 inches of rainfall in the seven days prior to the sampling event.

Tidal Conditions – Surface salinity values were greater than 2 ppt at one of the six tidal stations. The highest salinity value of 6.6 ppt was recorded at station 10391 (SRT1) at a depth of 9.0 meters.

Lower Sabine Basin (Toledo Bend Reservoir and the Sabine River downstream to Tidal)

Weather – Air temperatures in the lower basin were hot with highs in the upper 80s to mid 90s. Low temperatures ranged in the low to mid 70s. Toledo Bend received 1.67 inches of rainfall during the seven days prior to the sampling event.

Lake Level - The level of Toledo Bend was 169.4 feet with a daily average discharge of 260 cfs on the day of sampling. Toledo Bend has a conservation pool level of 172 feet msl. Reservoir profiles indicated stratification of the water column, except at site TB6R, which indicated a mixed water column.

Upper Sabine Basin (Lake Tawakoni, Lake Fork Reservoir, and the Sabine River upstream of Toledo Bend)

Weather - Air temperatures in the upper basin were hot with highs in the low 90s to 100s. Low temperatures were in the mid to upper 70s. Lake Fork and Lake Tawakoni received 1.91 and 0.27 inches of rainfall, respectively, during the seven days prior to the sampling event.

Lake Level - The level of Lake Tawakoni was 436.29 feet msl with a release of 6 cfs on the day of sampling. The level of Lake Fork was 401.63 feet msl with a 30 cfs release on the day of sampling. Lake Tawakoni and Lake Fork have conservation pool levels of 437.5 feet msl and 403 feet msl, respectively. Reservoir profiles at Lake Tawakoni and Lake Fork indicated stratification of the water column, except site LT23B, which indicated a mixed water column.

This report and additional links to data for these monitoring stations are available at www.sratx.org. If you have any questions or comments concerning this report, please contact:

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¹ Data in this report is considered preliminary until it is available in TCEQ's Surface Water Quality Monitoring Information System database.

SABINE RIVER AUTHORITY OF TEXAS
Monthly Water Quality Report

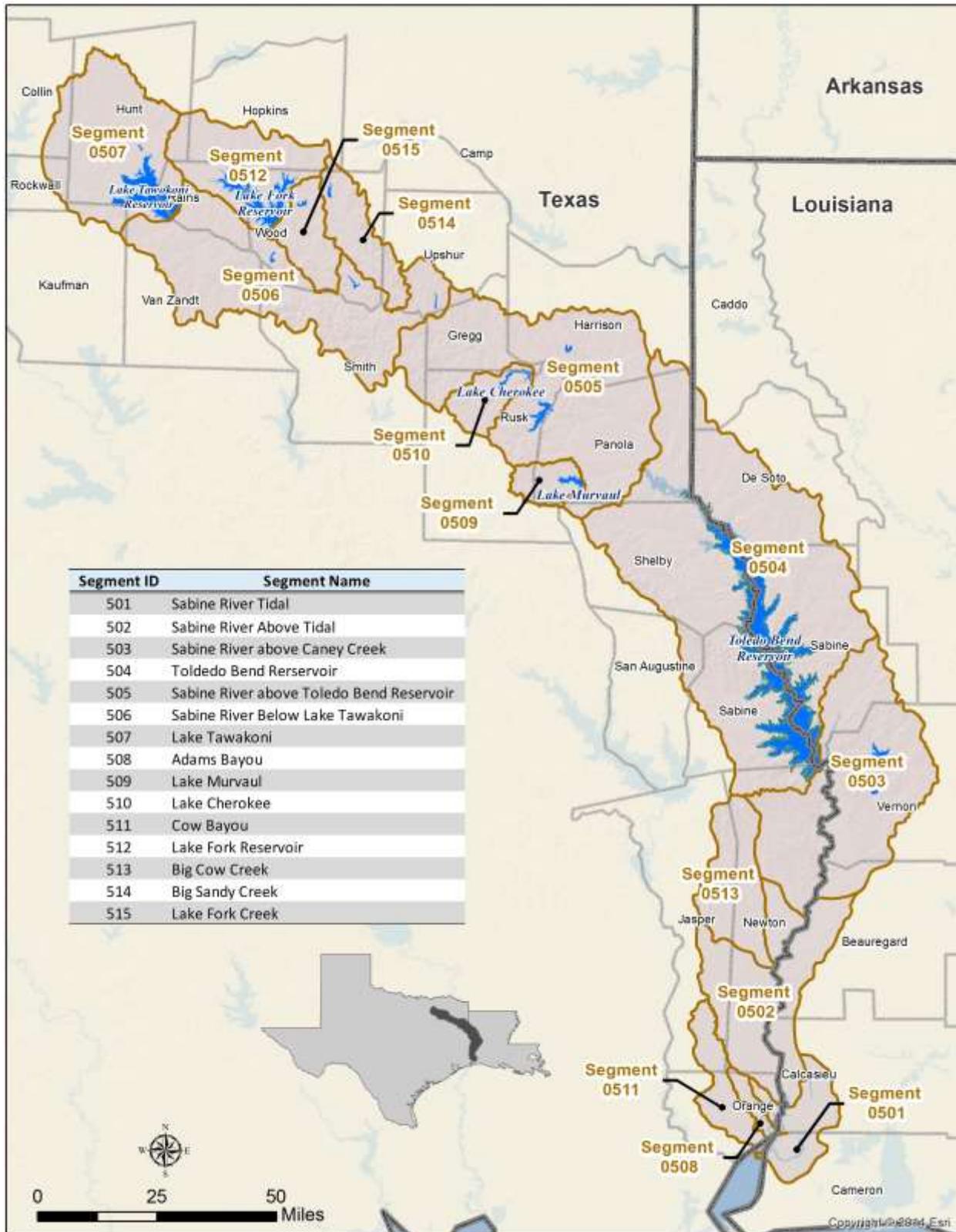
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Sabine Basin Map



Current Fixed Monitoring Stations

Segment	Station TCEQ ID (SRA-TX ID)	Location
501	10391 (SRT1)	SABINE RIVER AT CHANNEL CAN 3
501	15654 (BB1)	BLACK BAYOU IN CAMERON PARISH
511	10449 (CB1)	COW BAYOU AT ROUND BUNCH ROAD
508	10441 (AB2)	ADAMS BAYOU AT FM 1006
501	15653 (ICW1)	INTERCOASTAL WATERWAY AT PERRY RIDGE
501	10394 (SRT2)	SABINE RIVER AT IH 10
502	10395 (SR1)	SABINE RIVER 12.00 KM UPSTREAM OF IH 10
502	10397 (SR2)	SABINE RIVER AT SH 12 NORTH OF DEWEYVILLE TX.
513	10465 (BCC1)	BIG COW CREEK AT FM 1416 SOUTH OF BON WIER
503	10398 (SR3)	SABINE RIVER AT US 190 EAST OF BON WIER TX.
503	10340 (BA4)	ANACOCO BAYOU AT LOUISIANA HWY 111 CROSSING SOUTHWEST OF KNIGHT LA
503	10399 (SR5)	SABINE RIVER AT SH 63 EAST OF BURKEVILLE TX.
503	10401 (TB6S)	SABINE RIVER BELOW TOLEDO BEND RESERVOIR AT RIGHT ABUTMENT OF SPILLWAY FOR DAM
503	15660 (BT1)	BAYOU TORO AT LA SH 392 IN SABINE PARISH SW OF HORNBECK LA
504	10404 (TB6A)	TOLEDO BEND RESERVOIR MAIN LAKE ABOVE THE DAM AT THE OLD RIVER CHANNEL
504	10406 (TB6C)	TOLEDO BEND RESERVOIR IN SIX MILE BOAT LANE 0.8KM EAST OF SH 87
504	18054 (TB6Q)	TOLEDO BEND RESERVOIR IN NEGREET BAYOU
504	10411 (TB6F)	TOLEDO BEND RESERVOIR IN SUNSHINE BAY NEAR FM 3121 BRIDGE
504	10402 (TB6H)	TOLEDO BEND RESERVOIR AT SH 21 NORTHEAST OF MILAM
504	15659 (TB6K)	TOLEDO BEND RESERVOIR IN LANANA BAYOU AT LOUISIANA SH 191 IN SABINE PARISH LOUISIANA WEST OF MANY
504	15655 (TB6J)	TOLEDO BEND RESERVOIR PATROON BAYOU BRANCH AT FM 276
504	18053 (TB6LN)	TOLEDO BEND RESERVOIR SAN MIGUEL ARM BOAT LANE
504	18052 (TB6R)	TOLEDO BEND RESERVOIR AT RAGTOWN
505	10415 (SR10)	SABINE RIVER AT FM 2517
505	13628 (SR11)	SABINE RIVER AT US 59
505	10427 (SR16)	SABINE RIVER AT SH 42
506	10428 (SR17)	SABINE RIVER AT US 271
506	10429 (SR19)	SABINE RIVER AT SH 14 S. OF HAWKINS
506	10430 (SR21)	SABINE RIVER AT US 69
514	10468 (BS1)	BIG SANDY CREEK AT SH 155
515	10469 (LF20)	LAKE FORK CREEK AT US 80
512	10458 (LF2)	LAKE FORK RESERVOIR NEAR DAM IN CREEK CHANNEL
512	10462 (LF4)	LAKE FORK RESERVOIR MID-COVE IN LAKE FORK CREEK ARM AT FM 515
512	10461 (LF3)	LAKE FORK RESERVOIR MID-ARM IN CANEY CREEK ARM AT FM 515
507	10434 (LT23A)	LAKE TAWAKONI IN THE MAIN LAKE NEAR THE DAM
507	21173 (LT23DN)	LAKE TAWAKONI IN WACO BAY EQUIDISTANT FROM FINGER AND SPRING POINTS 1.17KM BEARING 18.61 DEGREES FROM IRON BRIDGE PUMPING STATION.
507	10437 (LT23B)	LAKE TAWAKONI AT SH 276

Segment 0501 – Sabine River Tidal

Description: The designated segment includes the Sabine River from the confluence with Sabine Lake in Orange County to West Bluff in Orange County. Although some areas are quite rural, this part of the Sabine Basin has two cities with populations greater than 5,000 and a variety of industries.

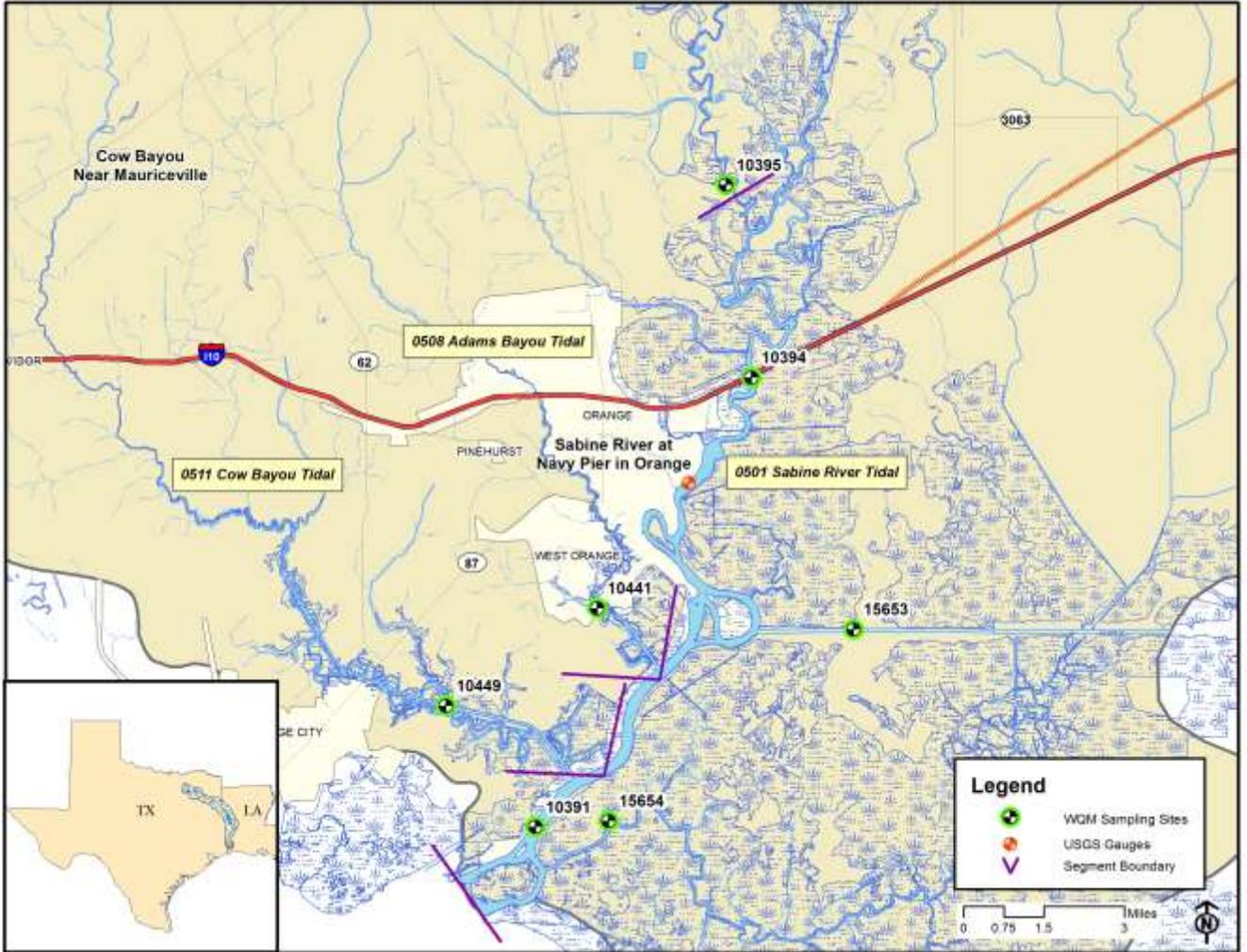
Segment 0508 – Adams Bayou Tidal. The segment reaches from the confluence with the Sabine River in Orange County to a point 1.1 kilometers (0.7 miles) upstream of IH-10 in Orange County.

Segment 0511 – Cow Bayou Tidal. The segment reaches from the confluence with the Sabine River in Orange County to a point 4.8 kilometers (3.0 miles) upstream of IH-10 in Orange County.

Segment 0501 Water Quality

<i>Date and Time</i>	<i>Station</i>	<i>Depth</i>	<i>Temp</i>	<i>pH</i>	<i>DO</i>	<i>% Sat</i>	<i>Cond</i>	<i>TDS</i>	<i>Salinity</i>	<i>Secchi</i>	<i>Turbidity</i>	<i>Enterococcus</i>
		<i>meters</i>	<i>°C</i>	<i>SU</i>	<i>mg/L</i>		<i>µS/cm</i>	<i>mg/L</i>	<i>ppt</i>	<i>meters</i>	<i>NTU</i>	<i>mpn/100mL</i>
7/12/18 09:43	10391(SRT1)	0.3	29.9	6.8	4.9	66	6,018	3,834	3.3	0.72	12.9	76
		3.0	29.9	6.9	4.9	65	6,442	4,000	3.3			
		6.0	29.9	6.9	4.8	65	6,899	4,415	3.8			
		9.0	30.1	6.7	4.5	62	11,395	7,295	6.6			
7/12/18 09:25	15654(BB1)	0.3	30.5	7.0	4.9	65	3,399	2,173	1.8	0.51	18.2	24
		1.5	30.5	7.0	4.8	65	3,406	2,181	1.8			
		3.0	30.5	7.1	4.8	65	3,406	2,181	1.8			
Segment 0511												
7/12/18 09:05	10449(CB1)	0.3	28.7	7.3	3.2	41	190	124	0.1	0.45	30.2	72
		2.0	28.6	7.2	3.1	40	211	134	0.1			
		4.0	29.1	6.8	3.6	47	1,569	1,004	0.8			
Segment 0508												
7/12/18 10:00	10441(AB2)	0.3	28.6	7.2	2.9	17	508	328	0.2	0.57	19.9	62
		2.0	28.7	6.9	2.9	19	1,168	737	0.6			
		4.0	29.1	6.9	3.4	45	1,796	1,143	1.0			
7/12/18 10:15	15653(ICW1)	0.3	30.4	6.9	5.0	68	2,619	1,677	1.4	0.69	16.0	30
		3.0	30.0	7.0	5.0	66	2,633	1,685	1.4			
		6.0	30.3	7.0	4.8	64	2,629	1,682	1.4			
7/12/18 10:45	10394(SRT2)	0.3	29.8	7.3	5.7	75	125	80	<0.1	0.54	25.2	22
		3.0	28.9	7.2	5.1	65	123	79	<0.1			
		6.0	28.9	7.1	5.0	64	124	79	<0.1			
		8.0	28.9	7.1	4.9	63	124	79	<0.1			

Segments 0501, 0508 & 0511



Segment 0502 - Sabine River Above Tidal

Description: The designated segment includes the Sabine River from West Bluff in Orange County to the confluence with Caney Creek in Newton County. The largest tributary is Big Cow Creek (Segment 0513). This is largely a rural area with no major industries or cities.

Segment 0513 – Big Cow Creek from the confluence with the Sabine River in Newton County to a point 4.6 kilometers (2.9 miles) upstream of CR 255 in Newton County.

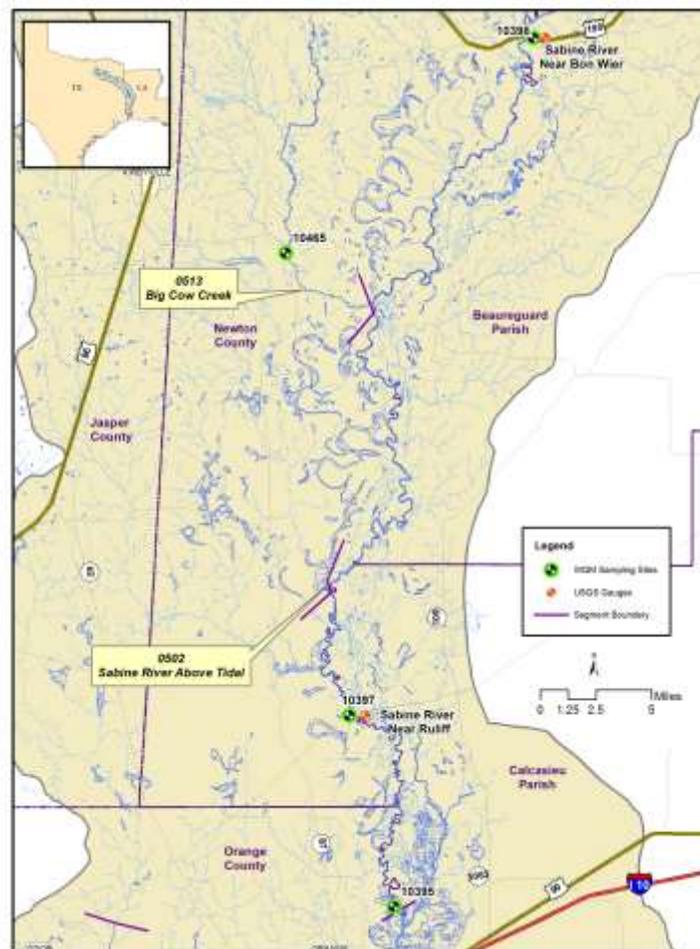
Segment 0502 USGS- Recorded Flows

Date and Time	Station	USGS Station #	Location	Flow (cfs)
7/11/18 09:05	10397(SR2)	08030500	Sabine River near Ruliff, TX	2,630

Segment 0502 Water Quality

Date and Time	Station	Depth meters	Temp °C	pH SU	DO mg/L	% Sat	Cond µS/cm	TDS mg/L	Secchi meters	Turbidity NTU	<i>E.coli</i> mpn/100mL
7/12/18 11:13	10395(SR1)	0.3	28.9	7.2	5.8	75	182	117	0.34	36.9	32
7/11/18 09:05	10397(SR2)	0.3	28.5	7.8	6.5	84	104	67	0.47	32.8	45
Segment 0513											
7/11/18 09:47	10465(BCC1)	0.3	25.4	7.6	7.1	86	40	26	0.45	24.6	69

Segments 0502 & 0513



Segment 0503 - Sabine River Above Caney Creek

Description: The designated segment includes the Sabine River from a point immediately upstream of the confluence with Caney Creek in Newton County up to Toledo Bend Dam in Newton County. This is largely a rural area with one major city with a population greater than 5,000 and few industries. Two major tributaries that flow from Louisiana include Bayou Anacoco and Bayou Toro.

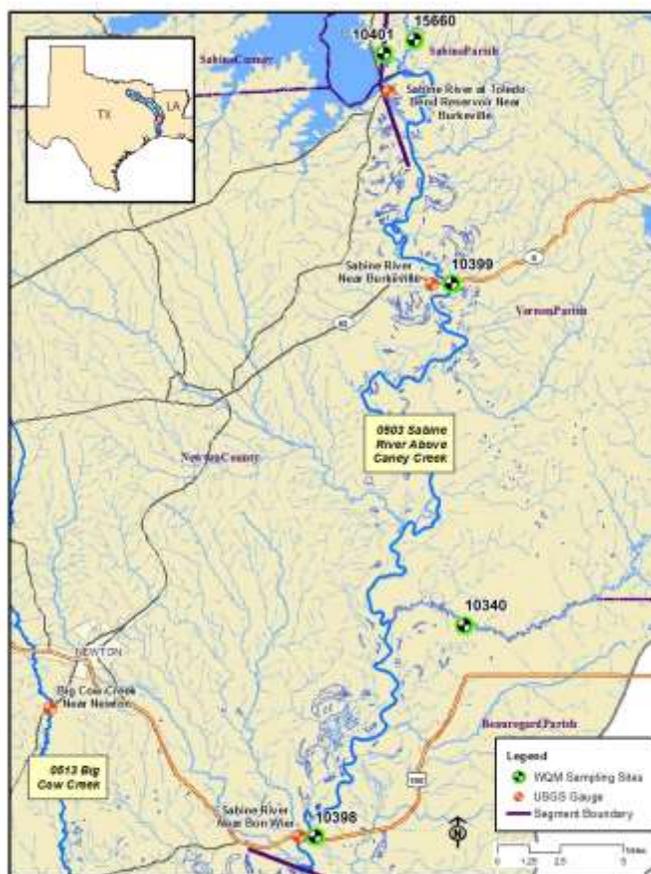
Segment 0503 USGS- Recorded Flows

Date and Time	Station	USGS Station #	Location	Flow (cfs)
7/11/18 11:40	10398(SR3)	08028500	Sabine River near Bon Wier, TX	1,930
7/11/18 10:50	10399(SR5)	08026000	Sabine River near Burkeville, TX	318

Segment 0503 Water Quality

Date and Time	Station	Depth meters	Temp °C	pH SU	DO mg/L	% Sat	Cond μS/cm	TDS mg/L	Secchi meters	Turbidity NTU	<i>E.coli</i> mpn/100mL
7/11/18 11:40	10398(SR3)	0.3	28.6	7.9	6.7	87	193	123	0.52	31.4	17
7/11/18 11:22	10340(BA4)	0.3	17.7	7.9	6.1	78	250	160	0.46	42.3	70
7/11/18 10:50	10399(SR5)	0.3	27.3	7.9	7.2	91	113	74	0.38	16.6	60
7/9/18 13:08	10401(TB6S)	0.3	28.6	7.4	8.0	103	121	77	>1.2	2.71	41
7/9/18 12:53	15660(BT1)	0.3	27.2	6.9	6.7	84	47	30	0.46	53.9	96

Segment 0503



Segment 0504 – Toledo Bend Reservoir

Description: The designated segment includes the Sabine River from Toledo Bend Dam in Newton County to a point immediately upstream of the confluence of Murvaul Creek in Panola County. Although this area is largely rural, it includes two cities with populations greater than 5,000. Murvaul Creek is a major tributary that enters upstream of the reservoir.

Segment 0504 Water Quality

Date and Time	Station	Depth meters	Temp °C	pH SU	DO mg/L	% Sat	Cond µS/cm	TDS mg/L	Secchi meters	Turbidity NTU	<i>E.coli</i> mpn/100mL
7/10/18 14:20	10404(TB6A)	0.3	31.0	8.0	8.2	111	137	87	>1.2	2.11	14
		1.0	30.5	8.0	8.3	111	137	87			
		2.0	29.9	8.0	8.3	109	137	87			
		3.0	29.5	8.0	8.0	102	137	87			
		4.0	29.3	7.9	7.4	95	136	87			
		5.0	28.8	7.8	5.3	61	136	87			
		6.0	27.6	7.7	2.7	30	137	87			
		7.0	26.0	7.6	0.5	6	136	87			
		10.0	21.0	7.6	0.1	1	135	86			
		13.0	19.0	7.5	<0.1	<1	135	86			
		16.0	18.3	7.4	<0.1	<1	139	89			
		19.0	18.0	7.3	<0.1	<1	142	91			
		22.0	17.6	7.3	<0.1	<1	143	91			
		25.0	14.8	7.2	<0.1	<1	151	96			
7/10/18 08:25	10406(TB6C)	0.3	30.3	7.4	5.9	79	119	76	1.0	5.44	<1
		1.0	30.3	7.2	5.9	79	119	76			
		2.0	30.3	5.9	6.0	79	119	76			
		3.0	30.0	6.3	4.4	57	119	76			
7/10/18 13:00	18054(TB6Q)	0.3	31.6	7.6	7.7	105	139	89	0.83	3.47	1
		1.0	30.6	7.6	7.7	102	139	89			
		2.0	29.9	7.5	7.6	99	138	89			
		3.0	29.8	7.4	7.2	93	138	89			
		4.0	29.7	7.4	6.9	90	138	89			
		5.0	29.6	7.4	6.7	88	138	89			
		6.0	29.5	7.3	4.8	61	139	89			
		7.0	29.1	7.3	1.7	20	140	90			

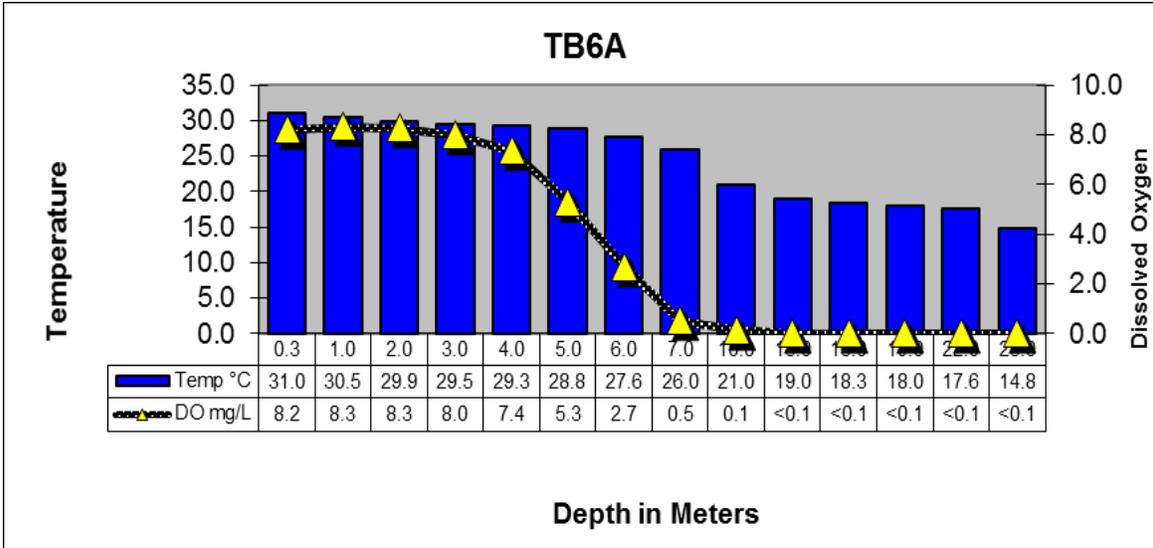
Segment 0504 Water Quality Continued

Date and Time	Station	Depth meters	Temp °C	pH SU	DO mg/L	% Sat	Cond µS/cm	TDS mg/L	Secchi meters	Turbidity NTU	<i>E.coli</i> mpn/100mL
7/9/18 10:50	10411(TB6F)	0.3	30.2	7.5	6.3	83	112	72	0.65	5.32	11
		1.0	30.4	7.3	6.2	82	112	72			
		2.0	30.7	7.2	6.1	82	111	71			
		3.0	30.6	7.2	6.0	80	111	71			
		4.0	30.4	6.9	3.2	42	113	72			
7/10/18 10:55	10402(TB6H)	0.3	30.1	7.7	6.8	90	125	80	0.94	3.01	1
		1.0	30.0	7.4	6.8	89	125	80			
		2.0	29.8	7.3	6.6	85	125	80			
		3.0	29.5	7.2	5.9	71	125	80			
		4.0	29.4	7.1	5.6	74	125	80			
		5.0	29.4	6.4	5.7	74	125	80			
		8.0	29.0	5.8	3.9	44	127	81			
		11.0	25.7	6.4	0.3	3	151	97			
		14.0	20.1	6.3	<0.1	<1	143	92			
		16.0	18.7	6.3	<0.1	<1	144	92			
7/9/18 11:15	15659(TB6K)	0.3	30.0	7.2	4.5	59	122	78	0.62	9.12	38
		1.0	30.0	7.0	4.5	59	121	77			
		2.0	29.9	6.9	3.7	47	124	79			
		3.0	29.8	6.8	3.5	45	124	79			
		4.0	29.8	6.0	3.2	43	124	79			
		5.0	29.7	5.3	3.1	39	124	79			
		6.0	29.7	5.3	2.5	33	125	80			
		7.0	29.7	5.7	3.0	40	125	80			
		8.0	29.7	5.8	2.8	37	125	80			
7/9/18 10:20	15655(TB6J)	0.3	30.1	7.1	4.6	61	130	83	0.43	9.58	6
		1.0	30.2	7.0	4.6	60	130	83			
		2.0	30.2	7.0	4.5	60	130	83			
		3.0	30.2	6.9	4.4	58	130	83			
		4.0	30.2	6.9	4.4	58	130	83			

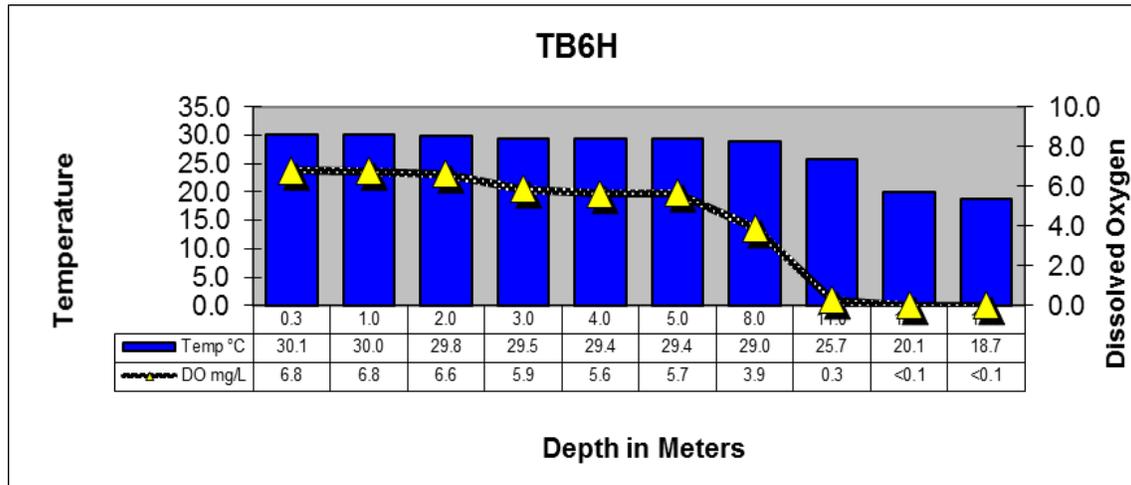
Segment 0504 Water Quality Continued

Date and Time	Station	Depth meters	Temp °C	pH SU	DO mg/L	% Sat	Cond µS/cm	TDS mg/L	Secchi meters	Turbidity NTU	<i>E.coli</i> mpn/100mL
7/10/18 12:15	18053(TB6LN)	0.3	31.5	7.9	8.8	120	125	80	0.76	3.94	<1
		1.0	31.0	8.1	8.8	117	124	79			
		2.0	30.2	7.6	7.0	92	124	79			
		3.0	30.1	6.2	5.7	76	124	79			
		4.0	30.0	5.5	4.4	57	124	79			
		5.0	29.9	5.9	4.0	54	124	80			
7/10/18 09:48	18052(TB6R)	0.3	30.5	7.5	5.6	75	145	93	0.62	5.06	<1
		1.0	30.2	7.3	5.5	72	145	93			
		2.0	30.0	6.3	4.6	61	145	93			
		3.0	30.0	5.3	4.4	59	146	94			
		4.0	30.0	5.3	4.4	58	146	94			
		5.0	30.0	5.3	4.4	58	146	94			
		6.0	30.0	5.3	4.4	58	147	94			
		7.0	30.0	5.3	4.3	56	147	94			
		8.0	30.0	5.3	4.2	56	147	94			
		9.0	30.0	5.3	4.2	55	147	94			
		10.0	30.0	5.1	4.2	55	147	94			
		11.0	29.9	4.9	4.0	53	148	95			

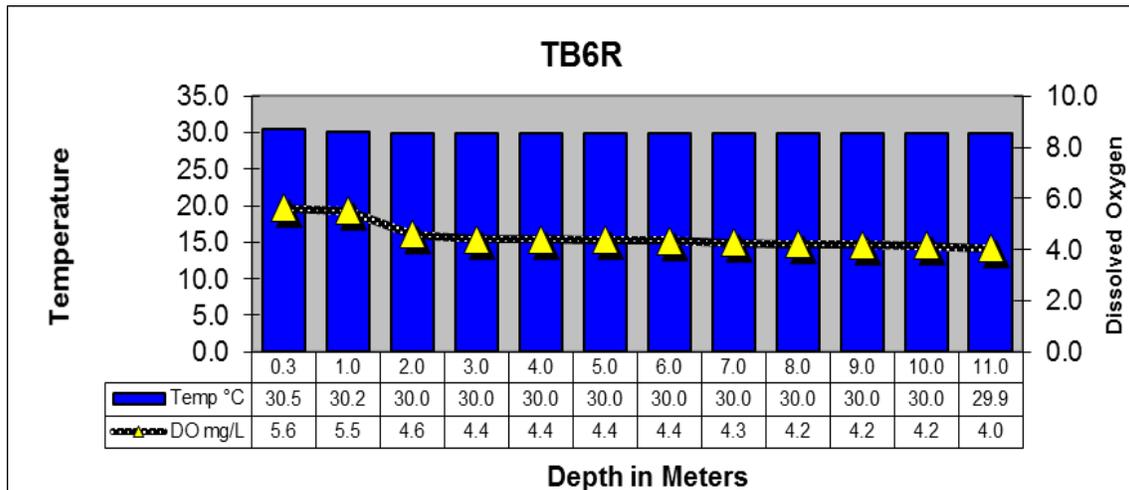
Toledo Bend Reservoir Profiles



TOLEDO BEND RESERVOIR MAIN LAKE ABOVE THE DAM AT THE OLD RIVER CHANNEL

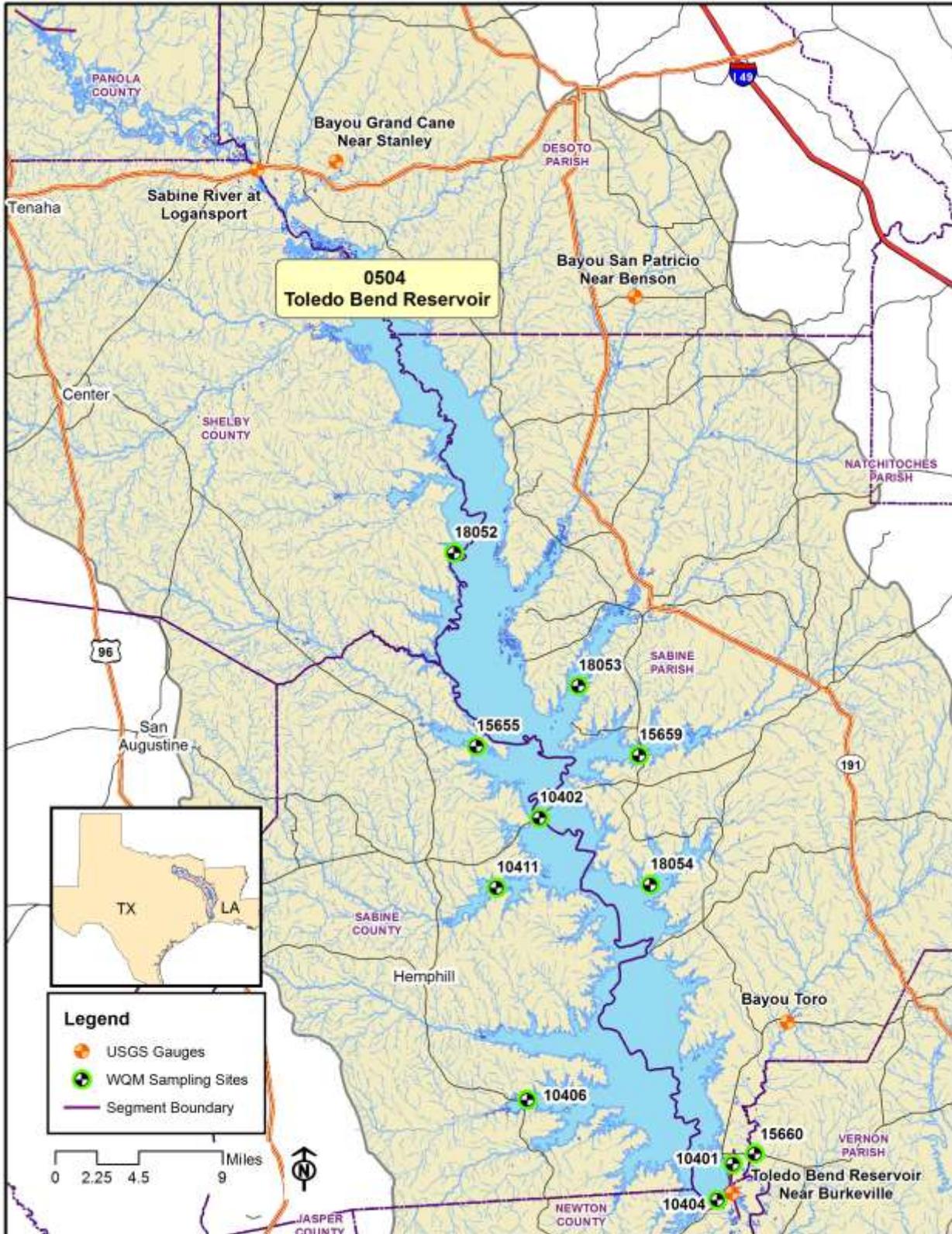


TOLEDO BEND RESERVOIR AT SH 21 NORTHEAST OF MILAM



TOLEDO BEND RESERVOIR AT RAGTOWN

Segment 0504



Segment 0505 - Sabine River Above Toledo Bend Reservoir

Description: The designated segment includes the Sabine River from a point immediately upstream of the confluence of Murvaul Creek in Panola County to a point 100 meters (110 yards) downstream of US 271 in Gregg County. Segment 0505 is used extensively for water supply and contains the highest concentration of population in the Sabine Basin with eight cities having populations greater than 5,000. Segment 0505 includes a large section of the East Texas Oilfield as well as numerous industries.

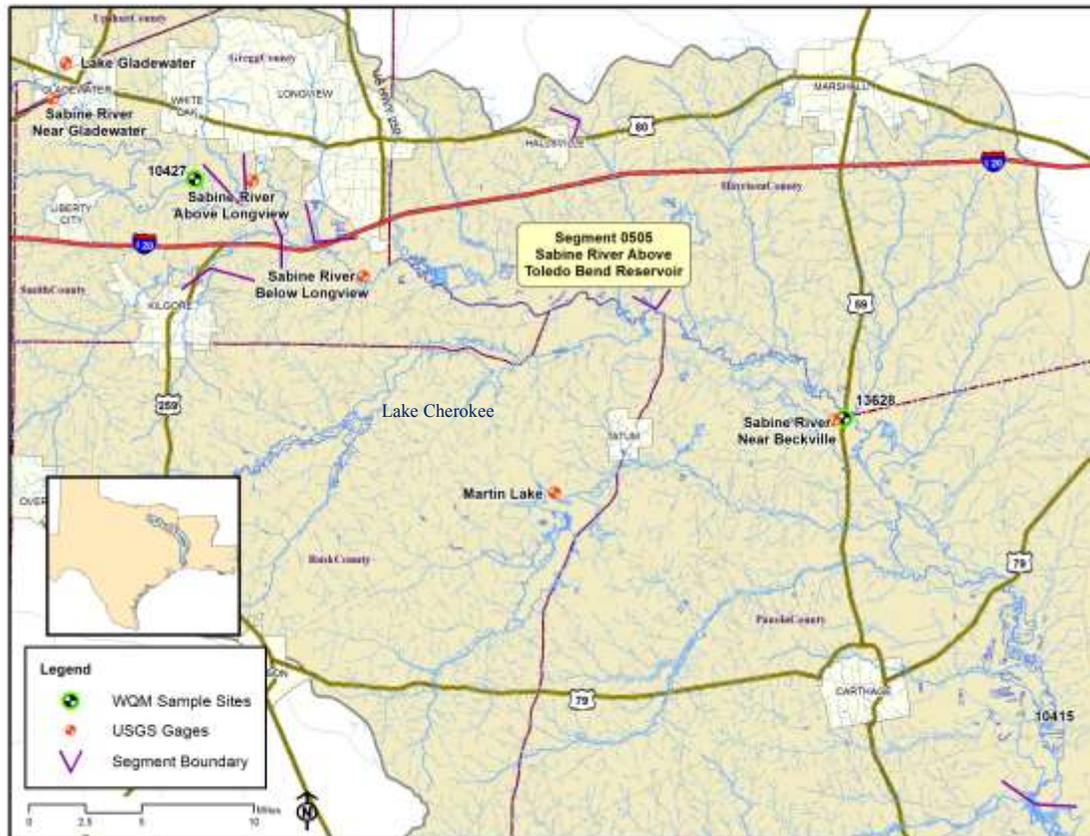
Segment 0505 USGS- Recorded Flows

Date and Time	Station	USGS Station #	Location	Flow (cfs)
7/11/18 09:36	13628(SR11)	08022040	Sabine River near Beckville, TX	258

Segment 0505 Water Quality

Date and Time	Station	Depth meters	Temp °C	pH SU	DO mg/L	% Sat	Cond µS/cm	TDS mg/L	Secchi meters	Turbidity NTU	<i>E.coli</i> mpn/100mL
7/11/18 10:13	10415(SR10)	0.3	30.0	7.5	6.2	84	549	351	0.25	38.7	1
7/11/18 09:36	13628(SR11)	0.3	29.7	8.6	7.4	99	655	419	0.20	39.6	3
7/11/18 08:06	10427(SR16)	0.3	28.5	7.1	5.2	68	235	151	0.16	69.3	54

Segment 0505



Segment 0506 - Sabine River Below Lake Tawakoni

Description: The designated segment includes the Sabine River from a point 100 meters (110 yards) downstream of US 271 in Gregg County to Iron Bridge Dam in Rains County. This is largely a rural area with no cities having a population greater than 5,000. Oilfield activities, rural housing developments, and agriculture are in the watershed. The major tributaries include:

Segment 0514 - Big Sandy Creek from the confluence with the Sabine River in Upshur County to a point 2.6 kilometers (1.6 miles) upstream of SH 11 in Hopkins County.

Segment 0515 - Lake Fork Creek from the confluence with the Sabine River in Wood County to Lake Fork Dam in Wood County.

Segment 0512 - Lake Fork Reservoir from Lake Fork Dam in Wood County up to the normal pool elevation of 403 feet.

Segment 0506 USGS- Recorded Flows

Date and Time	Station	USGS Station #	Location	Flow (cfs)
7/11/18 07:33	10428(SR17)	08020000	Sabine River near Gladewater, TX	166
7/11/18 06:48	10429(SR19)	08019200	Sabine River near Hawkins, TX	85
7/10/18 13:14	10430(SR21)	08018500	Sabine River near Mineola, TX	11
Segment 0514				
7/11/18 07:08	10468(BS1)	08019500	Big Sandy Creek near Big Sandy, TX	12

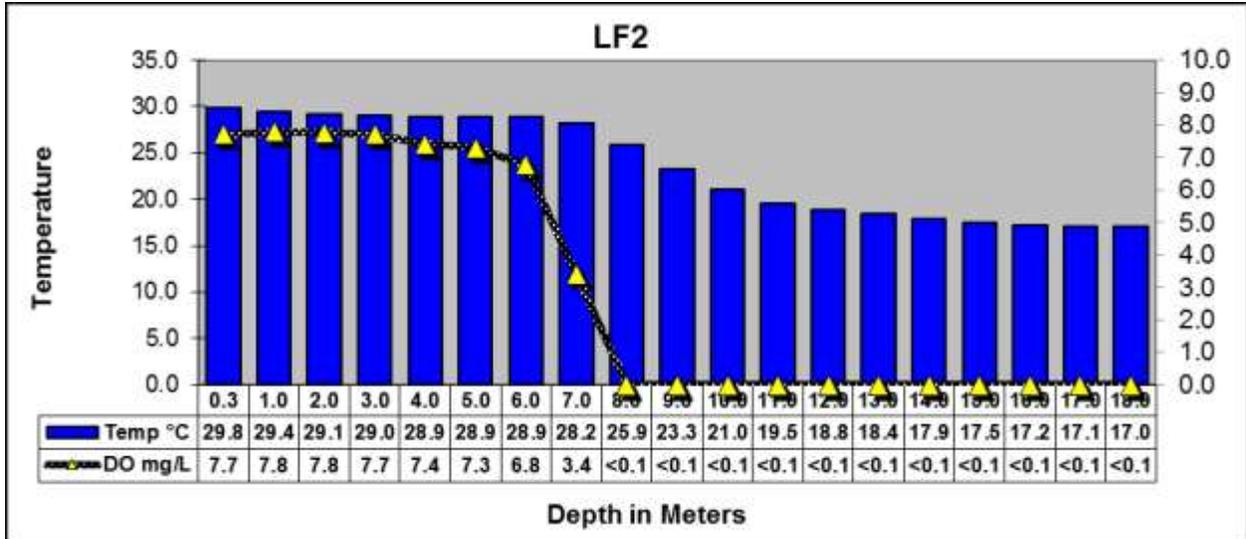
Segment 0506 Water Quality

Date and Time	Station	Depth meters	Temp °C	pH SU	DO mg/L	% Sat	Cond µS/cm	TDS mg/L	Secchi meters	Turbidity NTU	<i>E.coli</i> mpn/100mL
7/11/18 07:33	10428(SR17)	0.3	28.5	7.3	6.4	83	225	144	0.19	46.0	50
7/11/18 06:48	10429(SR19)	0.3	28.1	7.3	6.0	77	235	150	0.13	74.0	15
7/10/18 13:14	10430(SR21)	0.3	28.0	7.4	5.5	70	442	283	0.20	36.3	29
Segment 0514											
7/11/18 07:08	10468(BS1)	0.3	25.8	6.9	5.7	71	100	64	0.59	20.9	58
Segment 0515											
7/10/18 13:34	10469(LF20)	0.3	28.3	7.3	6.9	89	147	94	0.21	40.6	111
Segment 0512											
7/10/18 11:51	10458(LF2)	0.3	29.8	8.2	7.7	103	135	86	1.2	3.44	<1
		1.0	29.4	8.3	7.8	104	135	87			
		2.0	29.1	8.3	7.8	103	135	86			
		3.0	29.0	8.3	7.7	102	135	86			
		4.0	28.9	8.1	7.4	98	135	87			
		5.0	28.9	8.0	7.3	96	135	86			
		6.0	28.9	7.8	6.8	89	135	86			
		7.0	28.2	7.4	3.4	43	135	87			
		8.0	25.9	7.0	<0.1	<1	136	87			
		9.0	23.3	6.8	<0.1	<1	136	87			
		10.0	21.0	6.8	<0.1	<1	136	87			
		11.0	19.5	6.7	<0.1	<1	134	86			
		12.0	18.8	6.7	<0.1	<1	133	85			
		13.0	18.4	6.7	<0.1	<1	135	86			
		14.0	17.9	6.7	<0.1	<1	137	88			
		15.0	17.5	6.7	<0.1	<1	141	90			
		16.0	17.2	6.7	<0.1	<1	152	97			
		17.0	17.1	6.7	<0.1	<1	158	101			
		18.0	17.0	6.8	<0.1	<1	159	102			

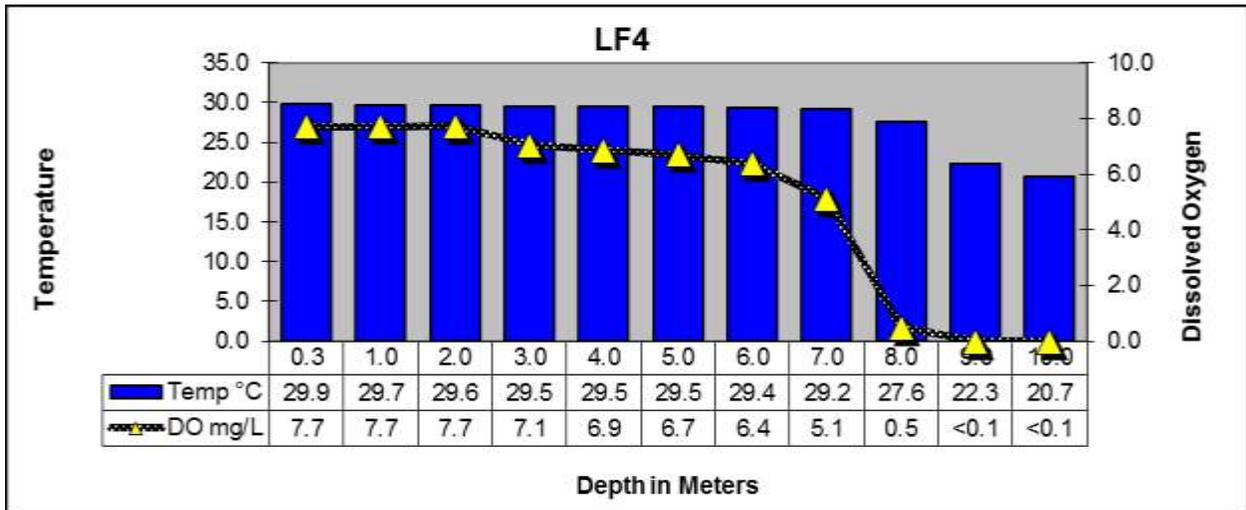
Segment 0506 Water Quality Continued

Date and Time	Station	Depth meters	Temp °C	pH SU	DO mg/L	% Sat	Cond µS/cm	TDS mg/L	Secchi meters	Turbidity NTU	<i>E. coli</i> mpn/100mL
7/10/18 10:45	10462(LF4)	0.3	29.9	8.5	7.7	103	138	88	0.83	4.42	<1
		1.0	29.7	8.5	7.7	103	138	88			
		2.0	29.6	8.5	7.7	103	138	88			
		3.0	29.5	8.1	7.1	94	138	88			
		4.0	29.5	7.9	6.9	91	138	88			
		5.0	29.5	7.8	6.7	89	138	88			
		6.0	29.4	7.5	6.4	85	138	88			
		7.0	29.2	7.2	5.1	67	139	89			
		8.0	27.6	7.0	0.5	5	140	89			
		9.0	22.3	7.0	<0.1	<1	155	99			
		10.0	20.7	7.0	<0.1	<1	155	99			
7/10/18 11:12	10461(LF3)	0.3	30.0	8.8	8.5	115	141	91	0.48	8.23	2
		1.0	29.9	8.9	9.0	121	141	90			
		2.0	29.6	8.9	9.0	120	141	90			
		3.0	29.5	8.8	8.4	112	141	90			
		4.0	29.5	8.6	7.9	106	141	90			
		5.0	29.4	8.5	7.6	101	140	90			
		6.0	28.3	7.7	1.6	21	141	90			
		7.0	27.7	7.1	<0.1	<1	146	93			
		8.0	27.2	6.9	<0.1	<1	149	95			

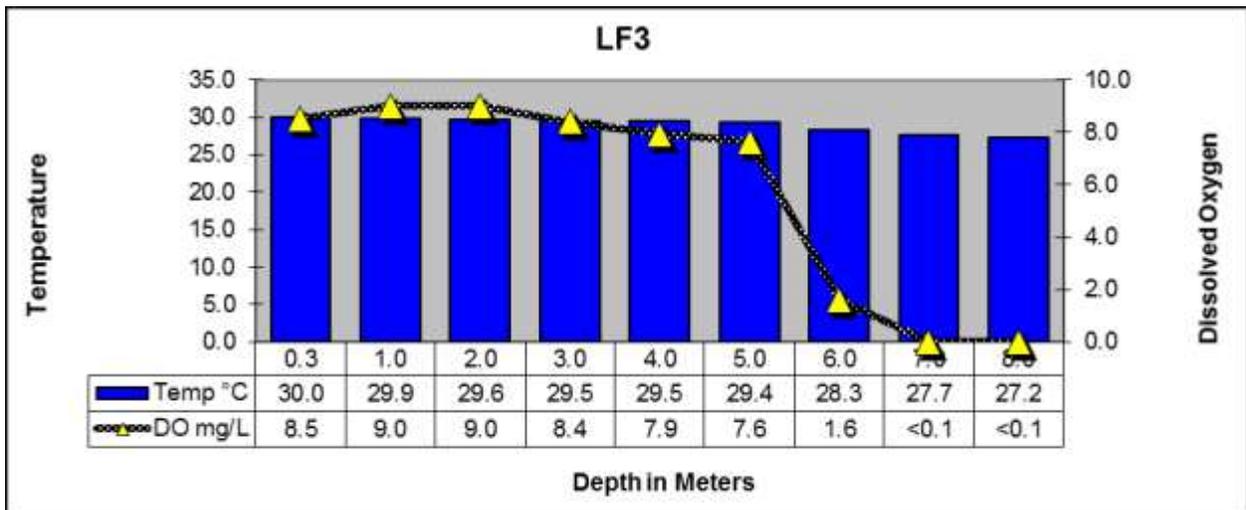
Lake Fork Reservoir Profiles



LAKE FORK RESERVOIR NEAR DAM IN CREEK CHANNEL

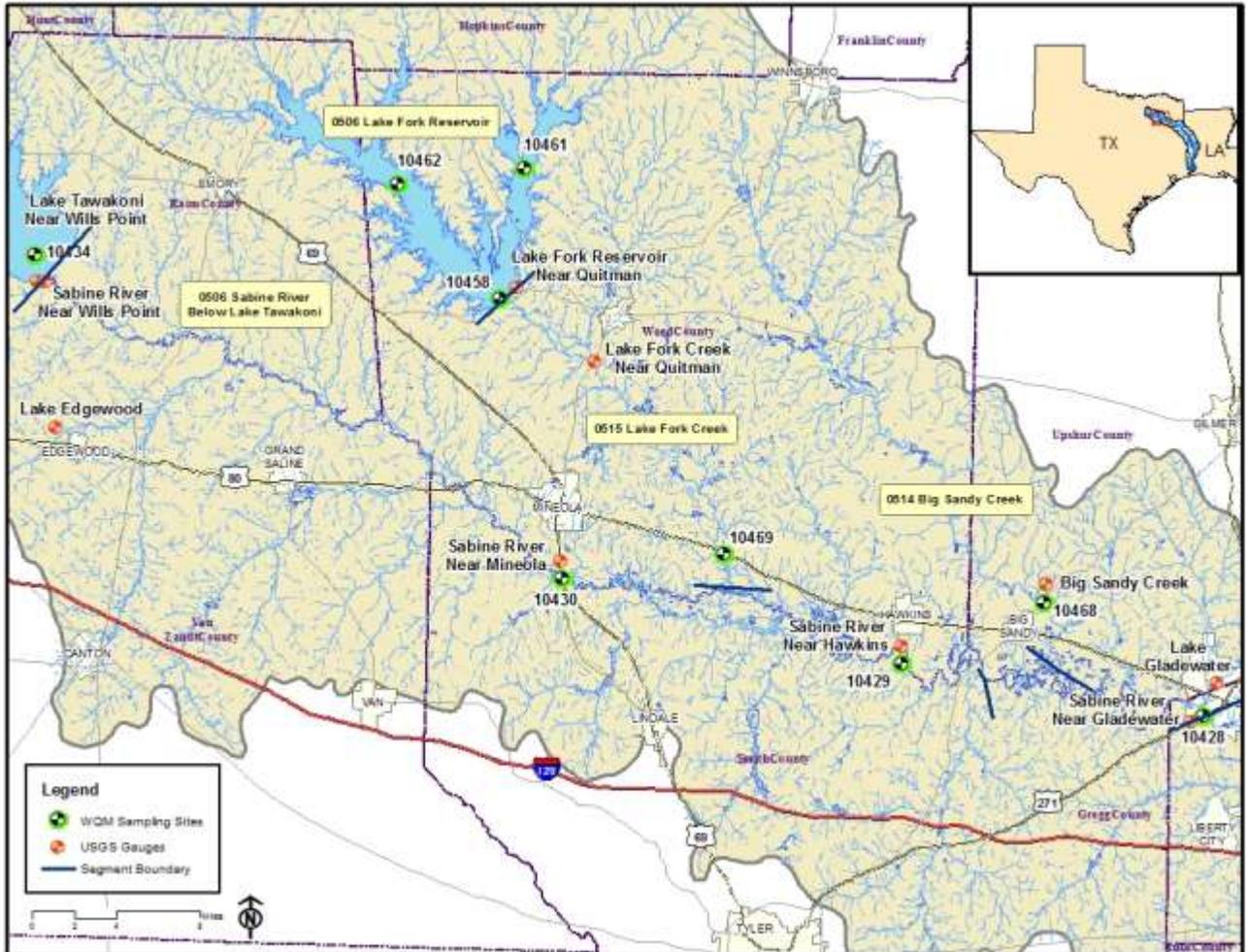


LAKE FORK RESERVOIR MID-COVE IN LAKE FORK CREEK ARM AT FM515



LAKE FORK RESERVOIR MID-ARM IN CANEY CREEK ARM AT FM515

Segments 0506, 0512, 0514 & 0515



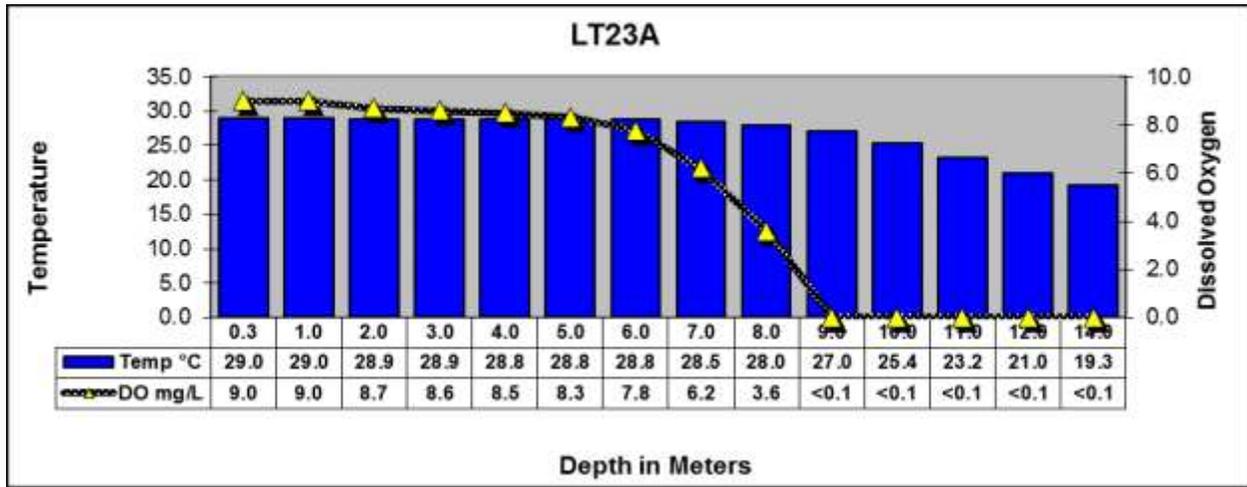
Segment 0507 - Lake Tawakoni

Description: The designated segment includes the impounded Sabine River from Iron Bridge Dam in Rains County up to the normal pool elevation of 437.5 feet. Although much of this segment is rural, it contains two cities with populations greater than 5,000, and one of the four largest cities in the Sabine Basin.

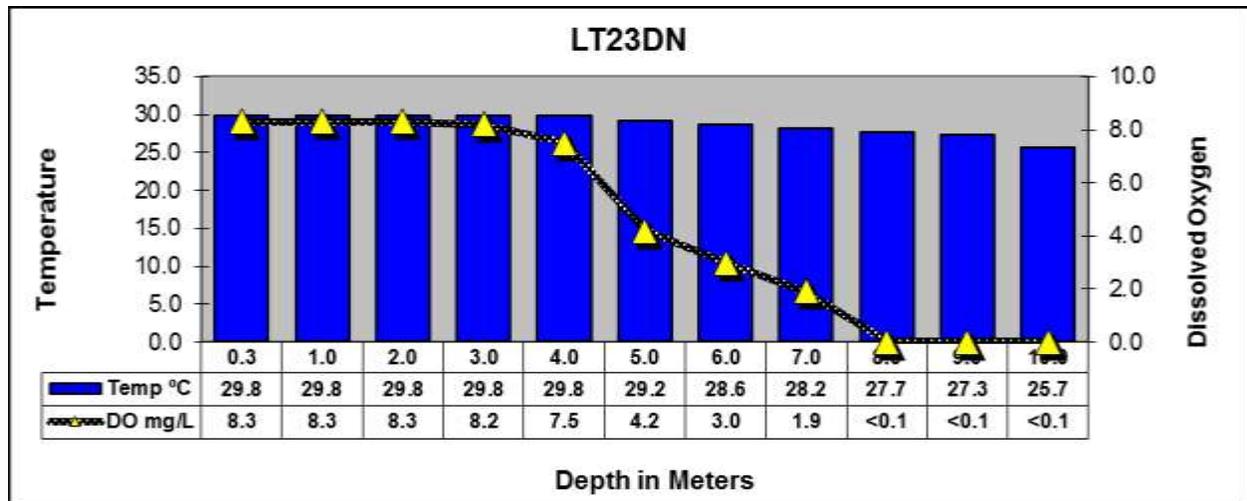
Segment 0507 Water Quality

Date and Time	Station	Depth meters	Temp °C	pH SU	DO mg/L	% Sat	Cond µS/cm	TDS mg/L	Secchi meters	Turbidity NTU	<i>E.coli</i> mpn/100mL		
7/10/18 09:43	10434(LT23A)	0.3	29.0	8.9	9.0	119	184	118	1.1	4.24	<1		
		1.0	29.0	8.9	9.0	119	185	118					
		2.0	28.9	8.9	8.7	115	185	118					
		3.0	28.9	8.8	8.6	113	185	118					
		4.0	28.8	8.8	8.5	112	185	118					
		5.0	28.8	8.8	8.3	109	185	118					
		6.0	28.8	8.7	7.8	102	186	119					
		7.0	28.5	8.4	6.2	81	188	120					
		8.0	28.0	7.8	3.6	45	190	122					
		9.0	27.0	7.4	<0.1	<1	191	122					
		10.0	25.4	7.2	<0.1	<1	192	123					
		11.0	23.2	7.1	<0.1	<1	198	127					
		12.0	21.0	7.0	<0.1	<1	197	126					
		13.0	19.8	7.0	<0.1	<1	198	126					
14.0	19.3	7.0	<0.1	<1	198	127							
7/10/18 09:21	21173(LT23DN)	0.3	29.8	8.8	8.3	111	179	115	0.82	7.77	<1		
		1.0	29.8	8.8	8.3	111	178	114					
		2.0	29.8	8.8	8.3	110	178	114					
		3.0	29.8	8.8	8.2	110	179	114					
		4.0	29.8	8.7	7.5	100	179	115					
		5.0	29.2	8.1	4.2	55	185	119					
		6.0	28.6	7.8	3.0	40	189	121					
		7.0	28.2	7.6	1.9	25	191	123					
		8.0	27.7	7.4	<0.1	<1	195	125					
		9.0	27.3	7.3	<0.1	<1	197	126					
		10.0	25.7	7.1	<0.1	<1	209	134					
		7/10/18 09:02	10437(LT23B)	0.3	29.3	8.7	7.4	98	181	116	0.82	7.64	1
				1.0	29.3	8.7	7.4	98	181	116			
				2.0	29.3	8.6	7.4	98	182	116			
3.0	29.3			8.6	7.3	96	181	116					
4.0	29.3			8.6	7.3	97	182	116					
5.0	29.3			8.6	7.4	97	181	116					
6.0	29.3			8.6	7.1	94	182	116					
7.0	29.3			8.5	6.8	89	182	117					
8.0	29.0	8.0	3.2	42	188	120							

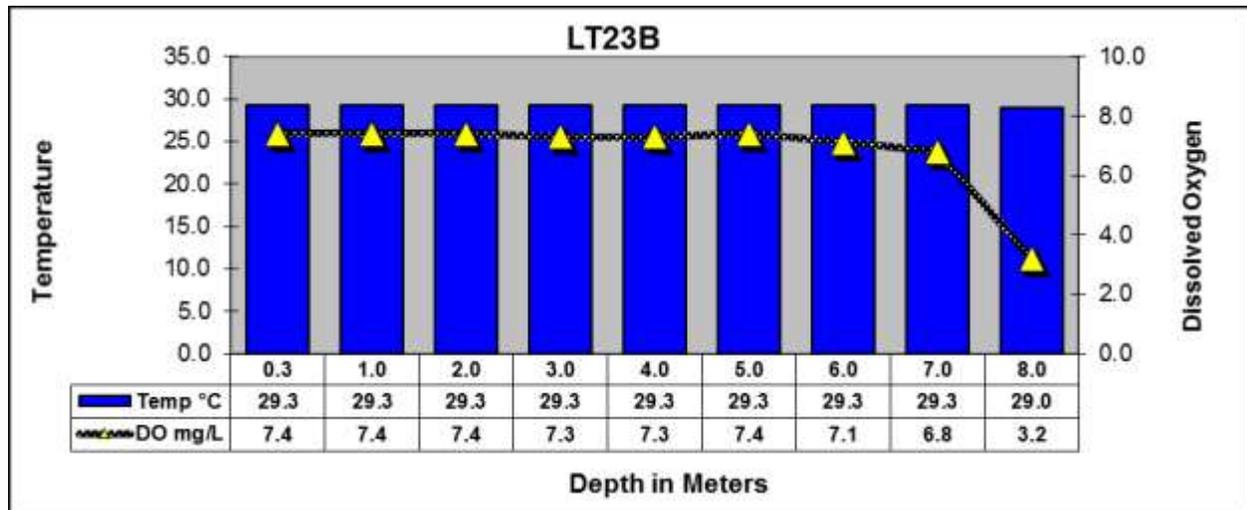
Lake Tawakoni Reservoir Profiles



LAKE TAWAKONI IN THE MAIN LAKE NEAR THE DAM



LAKE TAWAKONI IN WACO BAY EQUIDISTANT FROM FINGER AND SPRING POINTS



LAKE TAWAKONI AT SH276

Segment 0507

