

## SABINE RIVER AUTHORITY OF TEXAS

**TO:** INTERESTED PARTIES  
**FROM:** ENVIRONMENTAL SERVICES DIVISION  
**RE:** APRIL 2021 MONTHLY WATER QUALITY REPORT

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The Environmental Services Field Offices conducted water quality monitoring in the Sabine Basin from April 12<sup>th</sup> through the 15<sup>th</sup>. The results of field monitoring are presented in this report<sup>1</sup> and additional data can be found using the Texas Commission on Environmental Quality (TCEQ) [Clean Rivers Program Data Tool](#).

### **Sabine Basin Tidal (Including Tributaries)**

**Weather** – Air temperatures in the tidal basin were variable with highs in the mid 70s to low 80s. Low temperatures were in the mid 50s to high 60s. The tidal stations received 3.15 inches of rainfall in the seven days prior to the sampling event. **Tidal Conditions** – Surface salinity values were greater than 1 ppt at two of the seven tidal stations. The highest salinity value of 2.2 ppt was recorded at station 15654(BB1) at a depth of 0.3 meters.

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

**Weather** – Air temperatures in the lower basin were variable with highs in the upper 70s to low 80s. Low temperatures were in the mid 50s. Toledo Bend received 1.43 inches of rainfall during the seven days prior to the sampling event. **Lake Level** - The level of Toledo Bend was 170.19 feet with a daily average discharge of 360 cfs on the day of sampling. Toledo Bend has a conservation pool level of 172 feet msl. Reservoir profiles indicated early signs of a stratified 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 mild with highs in the low 70s to mid 80s. Low temperatures were in the low 40s to mid 60s. Lake Fork and Lake Tawakoni received 0.20 and 0.12 inches of rainfall during the seven days prior to sampling, respectively.

**Lake Level** - The level of Lake Tawakoni was 437.82 feet msl with a release of 236 cfs on the day of sampling. The level of Lake Fork was 402.59 feet msl with a 10 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 Fork and Lake Tawakoni showed early signs of a stratified water column.

This report and additional links to data for these monitoring stations are available at the [Sabine River Authority of Texas website](#). If you have any questions or comments concerning this report, please contact:

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<sup>1</sup> 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**

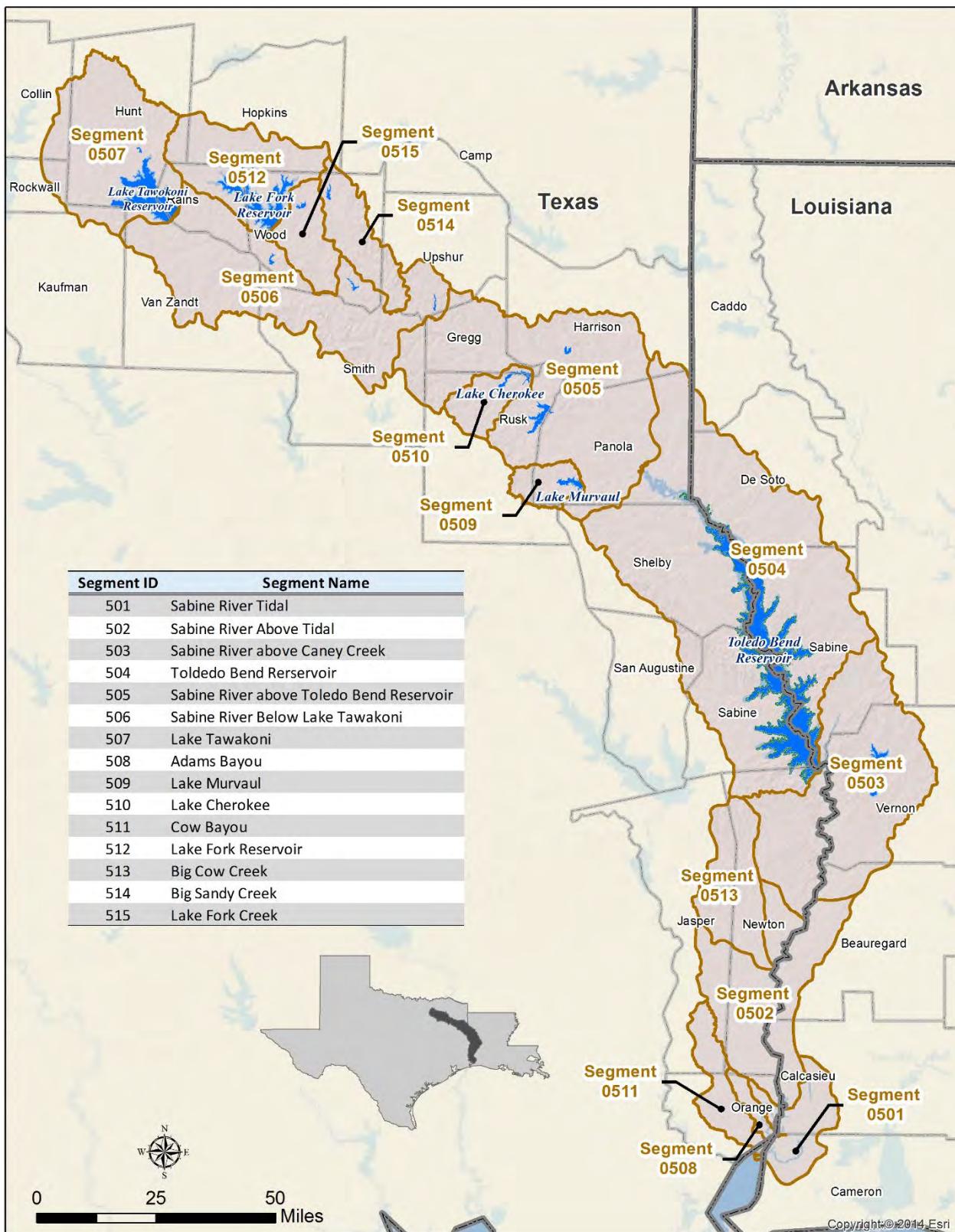
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## Sabine Basin Map



## 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
501	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.

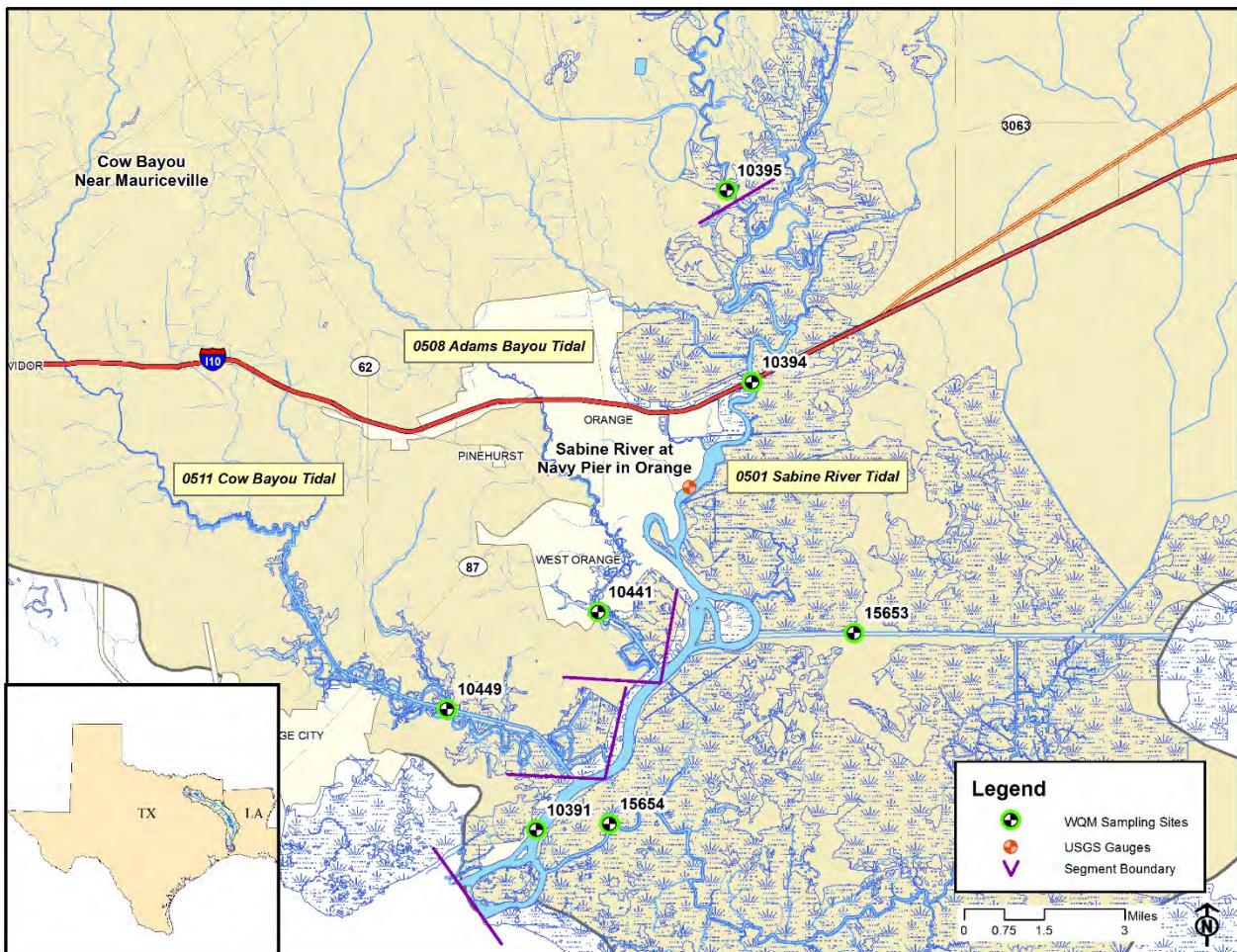
**Segment 0508 – Adams Bayou Tidal.** The segment reaches from the confluence with the Sabine River in Orange County to a point 1.1 kilometers (0.7 miles) upstream of IH-10 in Orange County.

**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

Date and Time	Station	Depth meters	Temp °C	pH SU	DO mg/L	% Sat	Cond μS/cm	TDS mg/L	Salinity ppt	Secchi meters	Turbidity NTU	Enterococcus mpn/ 100mL
4/15/21 10:09	10391(SRT1)	0.3	21.0	6.9	6.4	72	1,130	726	0.6	0.31	36.4	1,850
		1.0	21.0	6.9	6.4	72	1,130	722	0.6			
		2.0	21.0	6.9	6.5	72	1,130	723	0.6			
		3.0	21.0	6.9	6.4	72	1,140	726	0.6			
		4.0	21.0	6.9	6.4	72	1,130	727	0.6			
		5.0	21.0	6.9	6.4	72	1,140	728	0.6			
		6.0	21.0	6.9	6.3	71	1,130	721	0.6			
4/15/21 09:52	15654(BB1)	0.3	21.4	6.8	4.8	56	4,030	2,580	2.2	0.44	15.0	134
		1.5	21.4	6.8	4.9	56	4,030	2,580	2.2			
		2.5	21.4	6.8	4.9	56	4,030	2,580	2.2			
<b>Segment 0511</b>												
4/15/21 08:32	10449(CB1)	0.3	21.8	6.7	4.2	47	516	331	0.3	0.23	50.4	19,863
		1.5	21.8	6.7	4.0	46	517	331	0.3			
		3.0	21.9	6.7	4.2	48	594	382	0.3			
<b>Segment 0508</b>												
4/15/21 10:36	10441(AB2)	0.3	20.8	6.6	4.2	47	150	95	0.1	0.26	35.9	24,196
		1.0	20.8	6.5	4.2	46	148	95	0.1			
		2.0	20.8	6.5	4.1	46	145	94	0.1			
		3.0	20.8	6.5	4.1	46	150	97	0.1			
		4.0	20.8	6.5	4.1	46	147	92	0.1			
4/15/21 10:58	15653(ICW1)	0.3	21.8	6.9	6.0	68	3,000	1,920	1.6	0.32	28.4	767
		3.0	21.8	6.9	5.9	68	3,000	1,920	1.6			
		5.0	21.8	6.9	5.9	68	3,000	1,920	1.6			
4/15/21 11:39	10394(SRT2)	0.3	20.1	6.9	6.8	75	123	79	<0.1	0.50	18.4	959
		2.0	20.1	6.8	6.7	74	123	79	<0.1			
		4.0	20.1	6.8	6.7	74	124	79	<0.1			
		7.0	20.1	6.7	6.5	72	127	80	<0.1			
		9.0	20.1	6.7	6.5	72	125	80	<0.1			
4/15/21 12:23	10395(SR1)	0.3	20.0	6.9	7.3	80	130	83	<0.1	0.35	32.3	908

## **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.** The segment reaches 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.

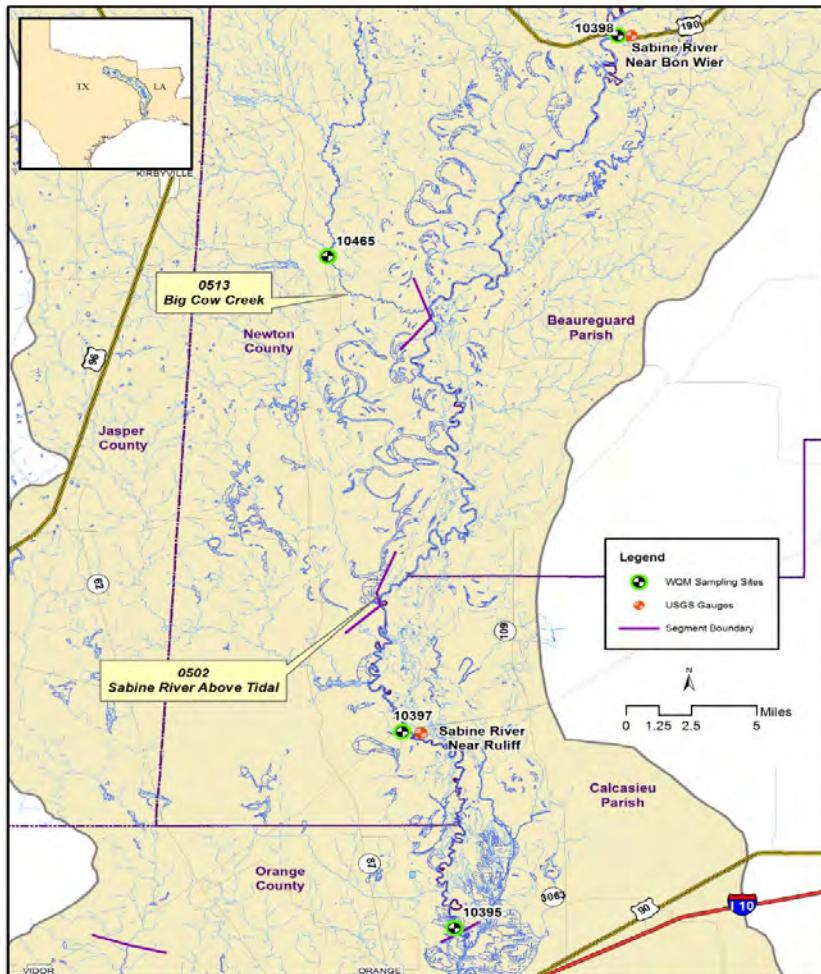
### Segment 0502 USGS Recorded Flows

Date and Time	Station	USGS Station #	Location	Flow (cfs)
4/14/21 08:56	10397(SR2)	08030500	Sabine River near Ruliff, TX	10,800

### Segments 0502 and 0513 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	E.coli mpn/100mL
4/14/21 08:56	10397(SR2)	0.3	20.1	7.4	8.2	90	126	82	0.31	23.0	163
<b>Segment 0513</b>											
4/14/21 09:41	10465(BCC1)	0.3	19.4	6.3	8.1	88	44	28	0.28	24.5	111

### 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, including 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.

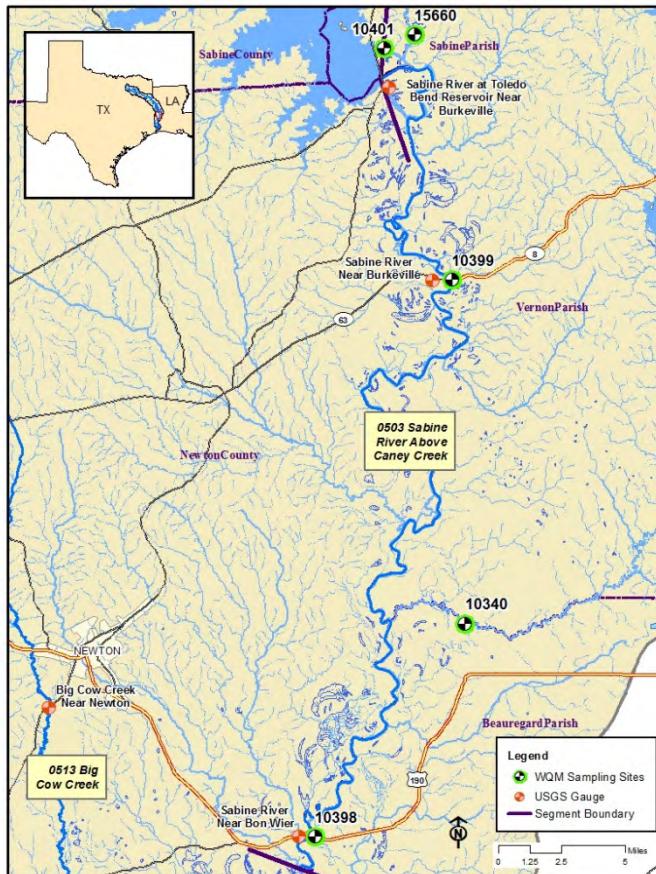
### Segment 0503 USGS Recorded Flows

Date and Time	Station	USGS Station #	Location	Flow (cfs)
4/14/21 11:53	10398(SR3)	08028500	Sabine River near Bon Wier, TX	3,170
4/14/21 10:50	10399(SR5)	08026000	Sabine River near Burkeville, TX	248

### 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	E.coli mpn/100mL
4/14/21 11:53	10398(SR3)	0.3	19.7	7.2	8.6	94	141	90	0.48	17.8	28
4/14/21 11:29	10340(BA4)	0.3	21.4	7.1	7.4	84	265	169	0.15	32.1	52
4/14/21 10:50	10399(SR5)	0.3	19.3	7.0	8.3	90	114	71	0.54	11.9	24
4/12/21 12:01	10401(TB6S)	0.3	19.2	7.9	9.9	107	126	80	>1.2	3.32	2
4/12/21 11:39	15660(BT1)	0.3	19.3	6.9	8.5	92	112	72	0.23	34.4	86

### 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
4/13/21 14:41	10404(TB6A)	0.3	18.8	7.8	10.1	109	131	83	1.7	3.60	1
		1.0	18.5	7.8	10.1	107	130	83			
		2.0	18.1	7.6	9.8	104	130	83			
		3.0	18.0	7.6	9.8	103	130	83			
		4.0	17.9	7.6	9.7	102	130	83			
		5.0	17.4	7.4	9.3	97	130	83			
		8.0	16.0	7.2	8.7	87	130	82			
		11.0	13.7	7.1	7.6	73	129	82			
		14.0	12.2	6.9	6.2	58	129	82			
		17.0	12.0	6.8	5.9	55	129	83			
		20.0	11.7	6.8	5.7	52	129	83			
		23.0	11.0	6.8	5.8	53	129	82			
		26.0	10.5	6.7	5.1	46	130	83			
4/13/21 07:54	10406(TB6C)	0.3	22.7	7.4	8.9	104	133	85	1.2	3.98	3
		1.0	22.7	7.4	8.9	104	133	85			
		2.0	22.6	7.4	9.0	104	132	85			
		3.0	21.3	6.9	7.2	76	132	85			
4/13/21 13:27	18054(TB6Q)	0.3	22.5	8.2	9.9	114	150	96	1.3	3.38	<1
		1.0	22.4	8.2	9.9	113	150	96			
		2.0	21.6	8.2	9.9	112	149	95			
		3.0	20.7	7.9	9.5	106	148	95			
		4.0	19.5	7.6	9.1	99	146	94			
		5.0	18.7	7.3	8.1	85	148	95			
		6.0	17.5	6.9	5.7	60	152	97			
		7.0	16.9	6.9	5.5	56	154	98			
		8.0	16.7	6.8	4.7	48	154	98			
		9.0	16.5	6.8	3.9	40	156	100			

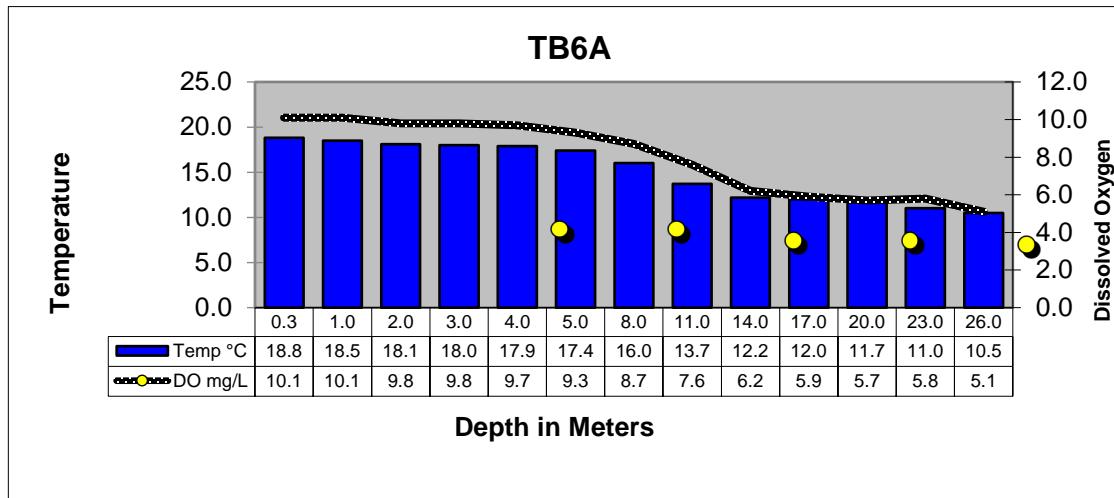
## Segment 0504 Water Quality Continued

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
4/12/21 10:11	10411(TB6F)	0.3	21.7	7.9	9.8	112	121	77	0.69	4.99	5
		1.0	21.6	7.8	9.8	111	121	77			
		2.0	21.1	7.6	9.2	102	121	77			
		3.0	19.8	7.3	8.0	88	121	77			
		4.0	18.0	7.0	6.2	65	123	79			
		5.0	16.9	6.8	4.0	42	127	81			
4/13/21 10:54	10402(TB6H)	0.3	20.3	8.3	10.2	114	172	110	1.1	3.31	2
		1.0	20.3	8.3	10.2	113	172	110			
		2.0	20.0	8.0	9.9	109	176	112			
		3.0	19.3	7.6	9.4	101	181	116			
		4.0	19.2	7.6	9.2	100	182	116			
		5.0	18.8	7.4	8.9	94	181	115			
		6.0	18.3	7.2	8.2	87	180	115			
		7.0	17.9	7.2	8.0	85	176	112			
		8.0	17.8	7.1	7.9	83	176	113			
		9.0	17.5	7.1	7.5	78	176	113			
		10.0	17.5	7.0	7.3	77	176	112			
		13.0	17.1	7.0	6.6	68	175	112			
		16.0	16.1	6.8	4.7	44	173	111			
4/12/21 10:45	15659(TB6K)	0.3	21.8	7.9	9.6	109	195	125	0.65	5.48	5
		1.0	21.8	7.9	9.6	110	195	125			
		2.0	21.5	7.9	9.5	107	195	124			
		3.0	19.4	7.4	7.0	75	170	109			
		4.0	19.0	7.1	6.7	72	167	107			
		5.0	18.7	7.0	6.4	69	166	107			
		6.0	18.6	7.0	6.2	66	166	106			
		7.0	18.2	6.9	5.7	60	165	106			
		8.0	17.5	6.8	4.1	42	166	106			
		9.0	17.2	6.7	3.5	36	166	106			
4/12/21 09:35	15655(TB6J)	0.3	21.4	7.9	9.6	109	198	127	0.50	8.65	9
		1.0	21.2	7.8	9.6	108	198	127			
		2.0	21.1	7.8	9.4	105	198	127			
		3.0	20.5	7.5	8.5	94	197	126			
		4.0	19.2	7.1	6.0	65	189	121			

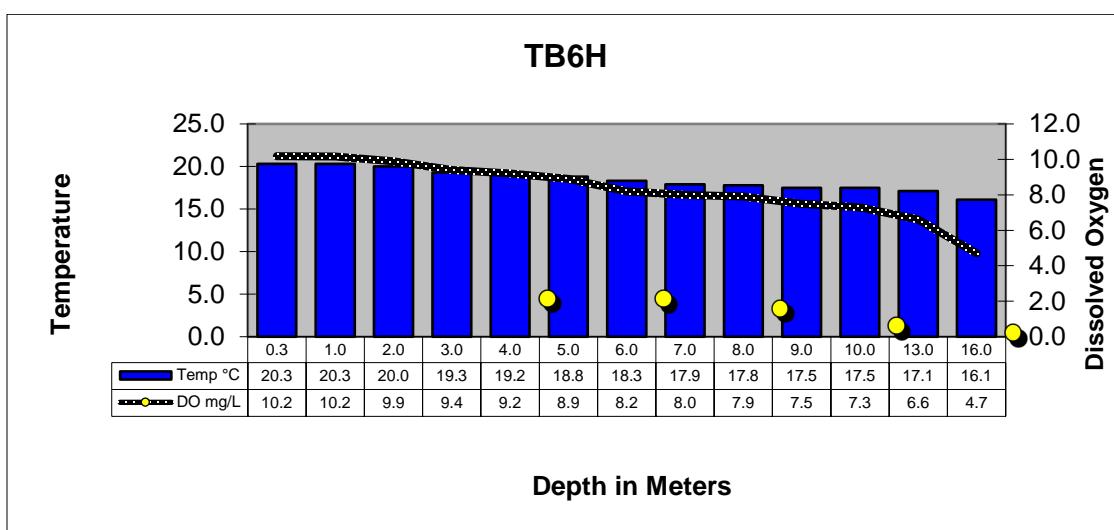
## Segment 0504 Water Quality Continued

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
4/13/21 12:23	18053(TB6LN)	0.3	23.1	8.3	9.8	115	158	101	1.0	3.51	1
		1.0	22.8	8.3	9.8	114	157	101			
		2.0	22.0	8.0	9.6	109	157	101			
		3.0	21.0	7.4	8.0	88	157	100			
		4.0	20.3	7.2	7.0	74	157	100			
		5.0	19.2	6.9	5.3	57	160	103			
		6.0	18.9	6.8	4.5	48	162	104			
4/13/21 09.33	18052(TB6R)	0.3	20.6	7.7	9.0	100	209	134	0.97	4.06	1
		1.0	20.4	7.6	9.0	98	210	134			
		2.0	20.3	7.6	8.7	96	210	135			
		3.0	20.2	7.5	8.6	95	212	135			
		4.0	20.2	7.5	8.6	94	214	138			
		5.0	20.0	7.4	8.2	90	216	138			
		6.0	19.8	7.3	7.8	85	216	140			
		7.0	19.8	7.3	7.6	83	218	139			
		8.0	19.7	7.3	7.6	83	218	139			
		9.0	19.4	7.2	7.3	79	214	137			
		10.0	19.2	7.2	7.0	75	212	135			
		11.0	19.1	7.1	6.3	67	210	134			
		12.0	19.0	7.0	6.0	65	210	134			
		13.0	19.0	7.0	5.9	64	210	135			

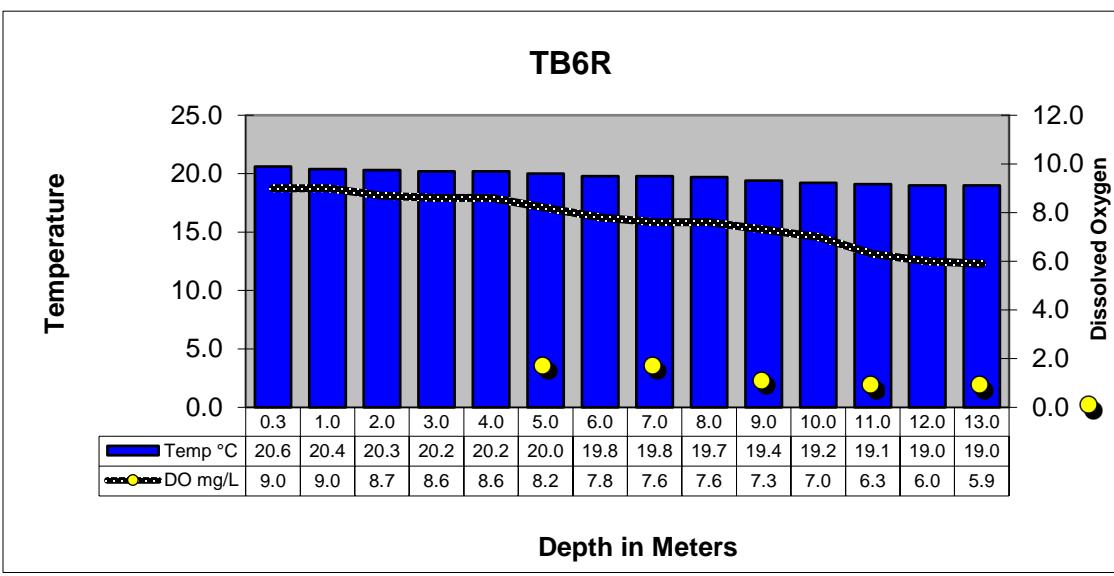
### Toledo Bend Reservoir Profiles



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

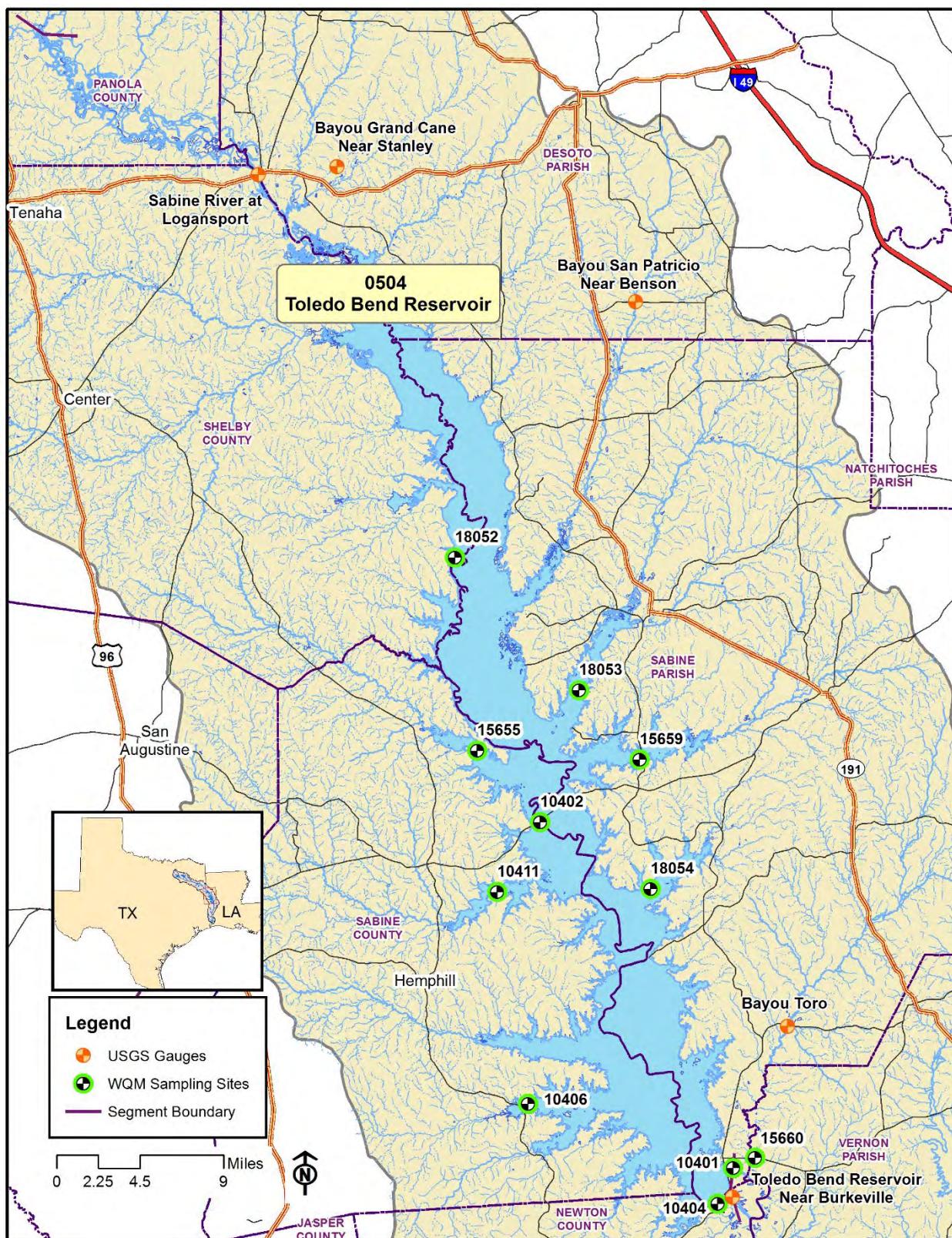


TOLEDO BEND RESERVOIR AT SH 21 NORTHEAST OF MILAM



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.

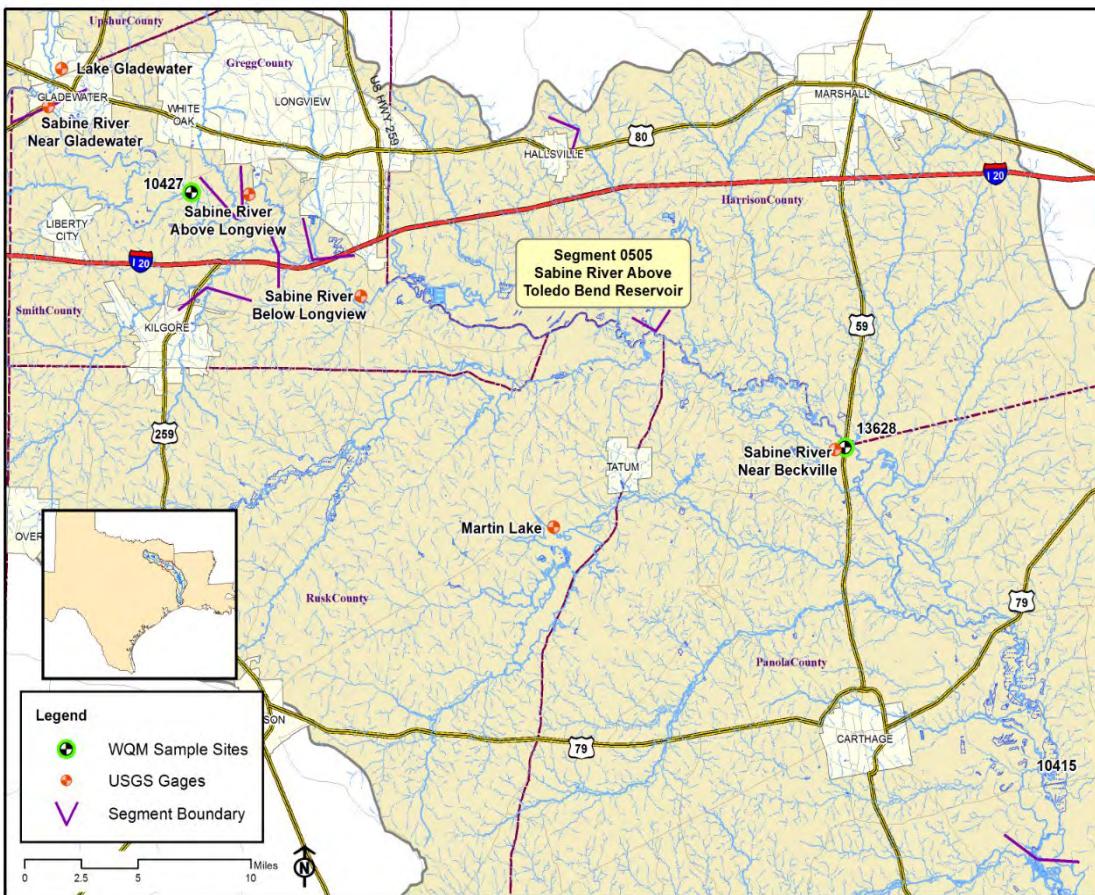
### Segment 0505 USGS Recorded Flows

Date and Time	Station	USGS Station #	Location	Flow (cfs)
4/14/21 09:32	13628(SR11)	08022040	Sabine River near Beckville, TX	1,120

### 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	E. coli mpn/100mL
4/14/21 10:04	10415(SR10)	0.3	20.9	7.1	8.6	99	287	184	0.19	45.1	111
4/14/21 09:32	13628(SR11)	0.3	20.8	7.3	8.4	95	283	181	0.24	37.8	18
4/14/21 08:20	10427(SR16)	0.3	20.1	7.2	8.3	93	241	154	0.18	42.3	201

### 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.** The segment reaches 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.** The segment reaches from the confluence with the Sabine River in Wood County to Lake Fork Dam in Wood County.

**Segment 0512 - Lake Fork Reservoir.** The segment reaches 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)
4/14/21 07:55	10428(SR17)	08020000	Sabine River near Gladewater, TX	1,190
4/14/21 07:05	10429(SR19)	08019200	Sabine River near Hawkins, TX	793
4/13/21 14:44	10430(SR21)	08018500	Sabine River near Mineola, TX	437
<b>Segment 0514</b>				
4/14/21 07:25	10468(BS1)	08019500	Big Sandy Creek near Big Sandy, TX	97

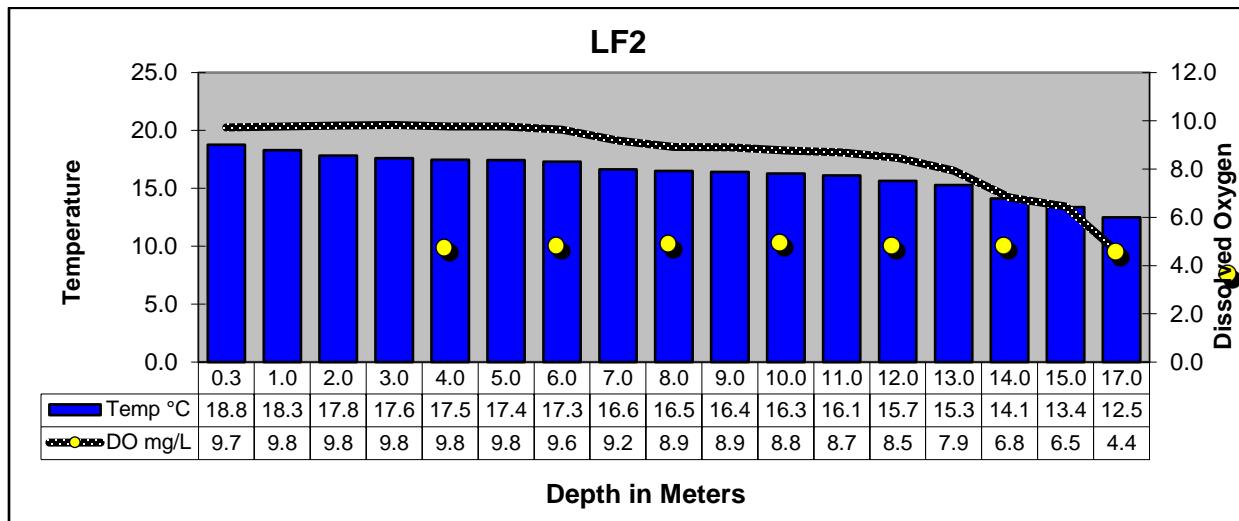
### **Segment 0506 Water Quality**

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
4/14/21 07:55	10428(SR17)	0.3	20.7	7.1	8.2	90	240	153	0.13	72.2	1,120
4/14/21 07:05	10429(SR19)	0.3	19.5	7.2	8.5	92	305	95	0.10	67.6	236
4/13/21 14:44	10430(SR21)	0.3	18.6	7.5	8.8	95	284	181	0.17	38.5	108
<b>Segment 0514</b>											
4/14/21 07:25	10468(BS1)	0.3	20.7	6.7	7.0	79	162	104	0.48	14.6	613
<b>Segment 0515</b>											
4/13/21 15:05	10469(LF20)	0.3	20.5	7.1	7.7	87	311	200	0.26	27.6	104

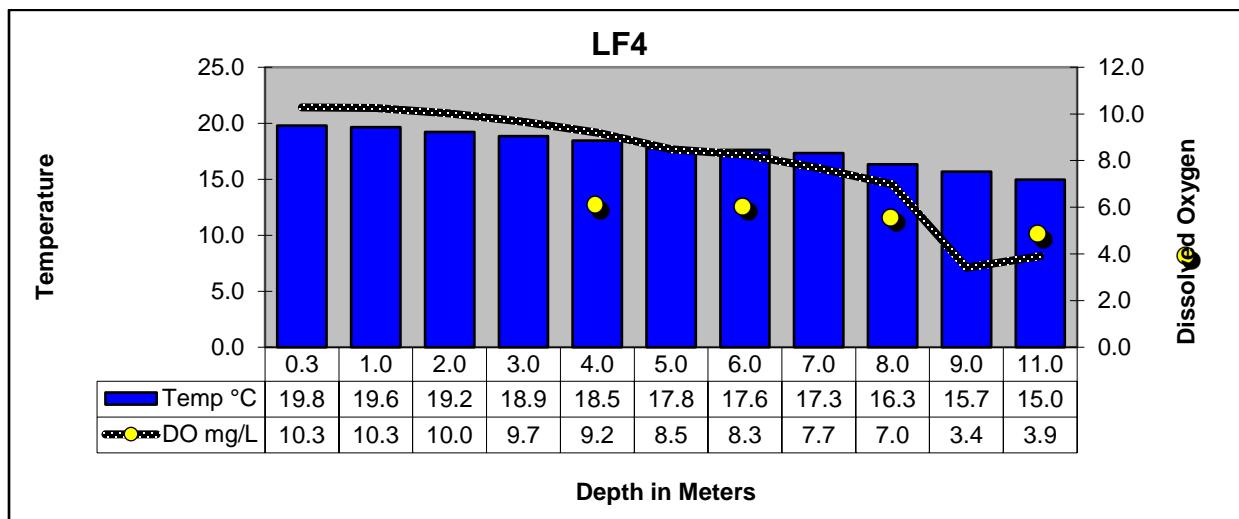
## Segment 0506 Water Quality Continued

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
<b>Segment 0512</b>											
4/13/21 12:46	10458(LF2)	0.3	18.8	7.7	9.7	106	148	95	1.2	4.44	1
		1.0	18.3	7.8	9.8	105	148	95			
		2.0	17.8	7.8	9.8	105	147	94			
		3.0	17.6	7.7	9.8	104	147	94			
		4.0	17.5	7.7	9.8	104	147	94			
		5.0	17.4	7.7	9.8	103	147	94			
		6.0	17.3	7.6	9.6	101	147	94			
		7.0	16.6	7.5	9.2	94	147	94			
		8.0	16.5	7.4	8.9	92	147	94			
		9.0	16.4	7.4	8.9	92	147	94			
		10.0	16.3	7.3	8.8	90	147	94			
		11.0	16.1	7.3	8.7	89	147	94			
		12.0	15.7	7.2	8.5	85	147	94			
		13.0	15.3	7.1	7.9	80	147	94			
		14.0	14.1	7.0	6.8	67	147	94			
		15.0	13.4	7.0	6.5	58	148	93			
		16.0	13.1	6.9	5.6	53	148	94			
		17.0	12.5	6.8	4.4	41	149	96			
4/13/21 11:50	10462(LF4)	0.3	19.8	8.2	10.3	114	153	98	0.68	6.95	<1
		1.0	19.6	8.2	10.3	113	152	98			
		2.0	19.2	8.0	10.0	109	151	97			
		3.0	18.9	7.7	9.7	104	152	97			
		4.0	18.5	7.5	9.2	98	152	97			
		5.0	17.8	7.3	8.5	90	154	98			
		6.0	17.6	7.2	8.3	86	155	99			
		7.0	17.3	7.1	7.7	80	154	98			
		8.0	16.3	7.0	7.0	70	151	96			
		9.0	15.7	6.9	3.4	54	152	97			
		10.0	15.2	6.8	4.2	42	152	97			
		11.0	15.0	6.8	3.9	39	153	97			
4/13/21 12:18	10461(LF3)	0.3	20.9	8.0	10.0	113	155	99	0.58	5.84	3
		1.0	20.2	8.1	10.2	113	155	99			
		2.0	19.7	8.0	9.9	110	155	99			
		3.0	19.4	7.8	9.8	106	154	99			
		4.0	18.9	7.5	8.9	96	154	98			
		5.0	18.4	7.3	8.1	87	153	97			
		6.0	17.5	7.1	7.0	74	151	96			
		7.0	17.1	7.0	6.5	65	152	96			
		8.0	16.8	6.9	5.7	59	151	97			
		9.0	16.7	6.8	5.3	54	151	97			

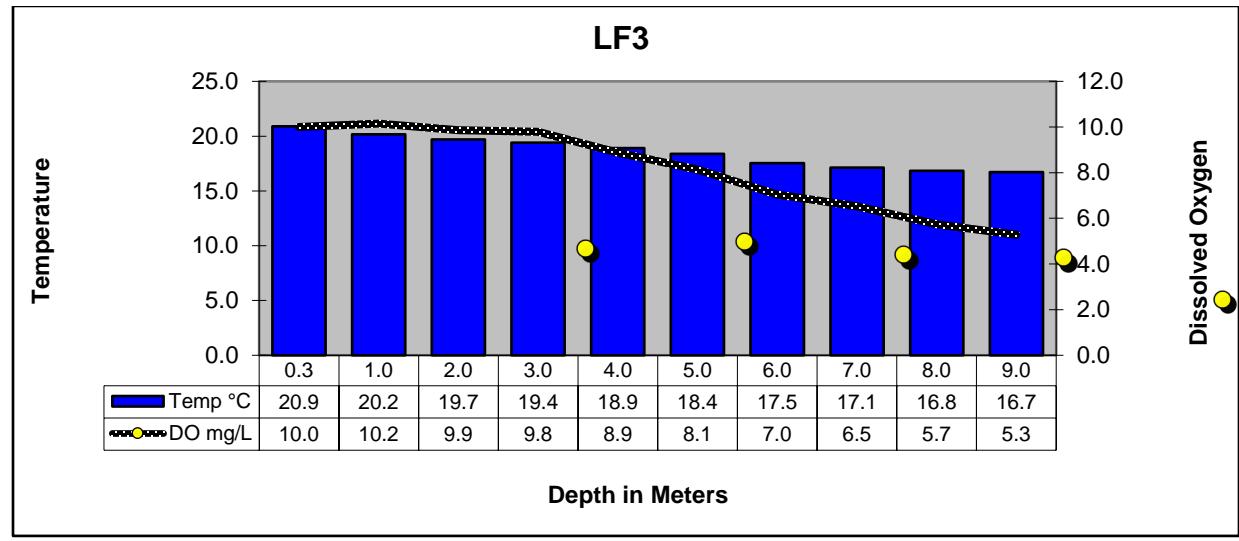
### Lake Fork Reservoir Profiles



LAKE FORK RESERVOIR NEAR DAM IN CREEK CHANNEL

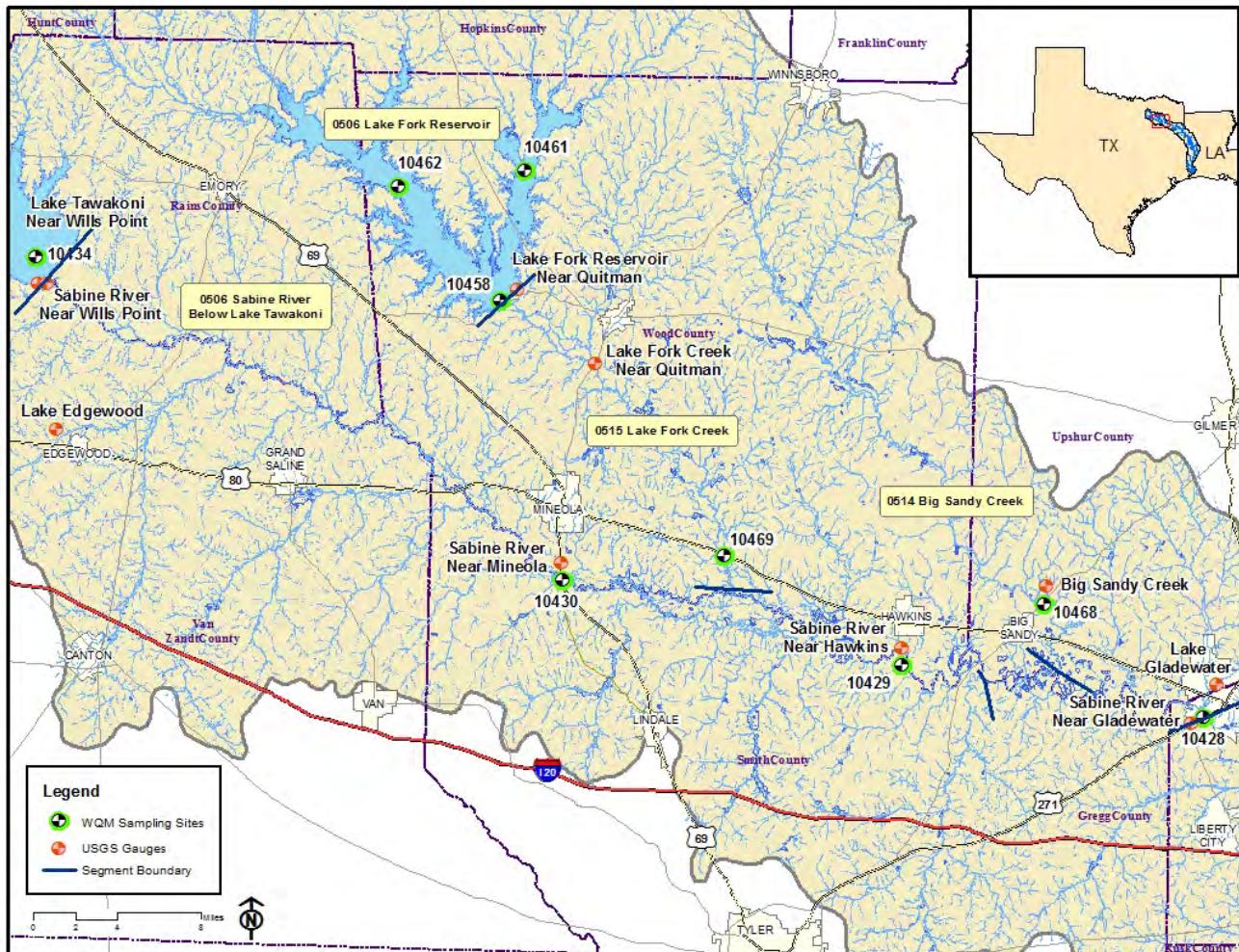


LAKE FORK RESERVOIR MID-COVE IN LAKE FORK CREEK ARM AT FM515



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

## Segments 0506, 0512, 0514 & 0515



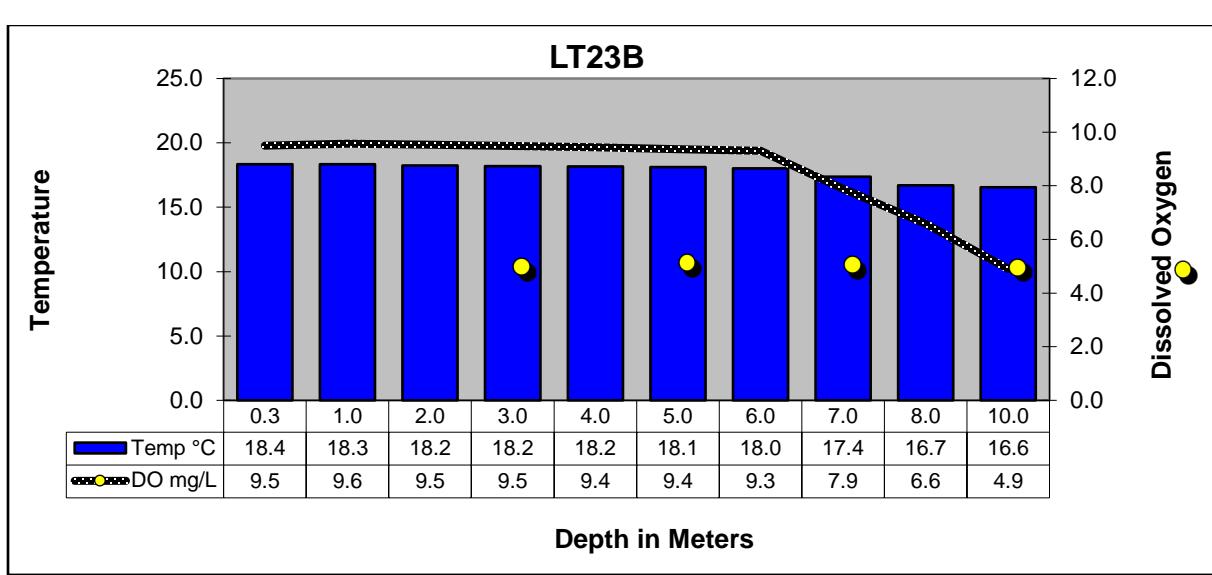
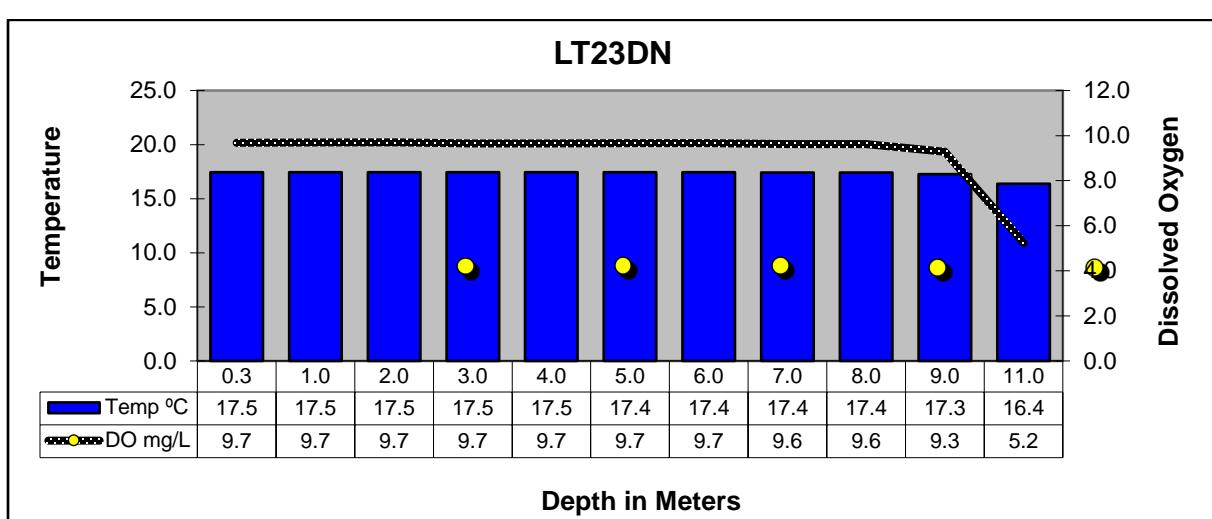
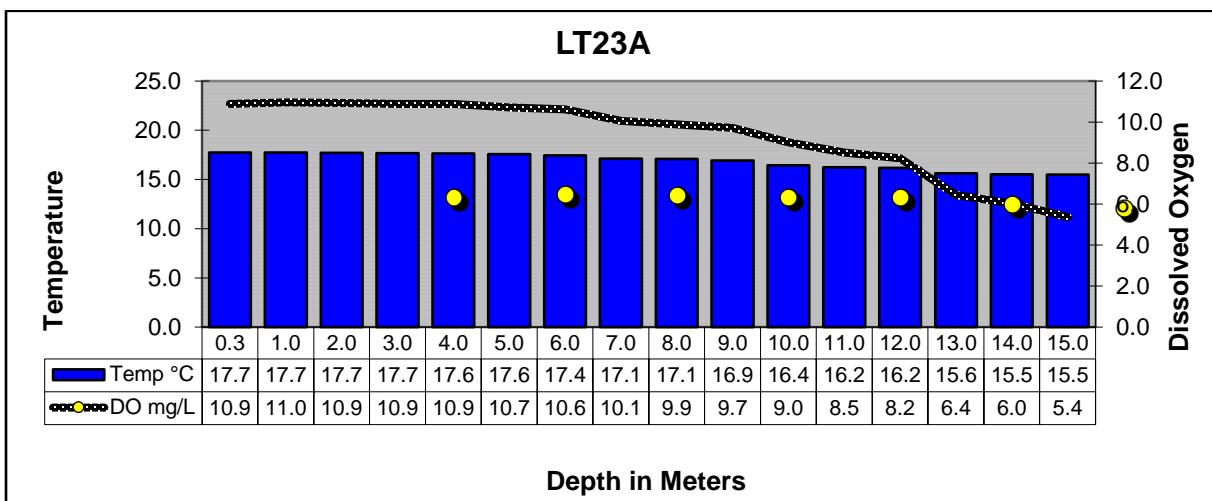
## Segment 0507 - Lake Tawakoni

**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 meter s	Temp °C	pH SU	DO mg/L	% Sat	Cond µS/cm	TDS mg/L	Secchi meters	Turbidity NTU	E. coli mpn/100mL
4/13/21 10:15	10434(LT23A)	0.3	17.7	8.5	10.9	117	192	123	0.74	4.99	1
		1.0	17.7	8.5	11.0	116	192	123			
		2.0	17.7	8.4	10.9	116	192	123			
		3.0	17.7	8.4	10.9	116	192	123			
		4.0	17.6	8.4	10.9	116	192	123			
		5.0	17.6	8.3	10.7	114	192	123			
		6.0	17.4	8.3	10.6	111	192	123			
		7.0	17.1	8.1	10.1	105	192	123			
		8.0	17.1	8.0	9.9	103	192	123			
		9.0	16.9	8.0	9.7	100	192	123			
		10.0	16.4	7.8	9.0	90	192	123			
		11.0	16.2	7.7	8.5	87	192	123			
		12.0	16.2	7.6	8.2	84	192	123			
		13.0	15.6	7.4	6.4	65	192	123			
		14.0	15.5	7.3	6.0	61	193	123			
		15.0	15.5	7.3	5.4	54	193	123			
4/13/21 09:10	21173(LT23DN)	0.3	17.5	7.9	9.7	102	194	124	0.70	7.47	<1
		1.0	17.5	8.0	9.7	102	194	124			
		2.0	17.5	8.0	9.7	102	194	124			
		3.0	17.5	8.0	9.7	102	194	124			
		4.0	17.5	8.1	9.7	102	194	124			
		5.0	17.4	8.1	9.7	102	194	124			
		6.0	17.4	8.1	9.7	102	194	124			
		7.0	17.4	8.1	9.6	102	194	124			
		8.0	17.4	8.0	9.6	101	194	124			
		9.0	17.3	7.9	9.3	97	194	124			
		10.0	17.0	7.7	8.9	91	194	124			
		11.0	16.4	7.2	5.2	53	198	126			
4/13/21 11:00	10437(LT23B)	0.3	18.4	8.2	9.5	103	195	124	0.44	8.63	<1
		1.0	18.3	8.2	9.6	103	195	124			
		2.0	18.2	8.2	9.5	103	195	124			
		3.0	18.2	8.1	9.5	102	195	124			
		4.0	18.2	8.1	9.4	101	195	124			
		5.0	18.1	8.1	9.4	100	195	124			
		6.0	18.0	8.1	9.3	100	195	124			
		7.0	17.4	7.7	7.9	82	194	123			
		8.0	16.7	7.5	6.6	67	195	124			
		9.0	16.6	7.4	5.6	58	195	124			
		10.0	16.6	7.3	4.9	50	195	124			

### Lake Tawakoni Reservoir Profiles



## Segment 0507

