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## SABINE RIVER AUTHORITY OF TEXAS

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**TO:** INTERESTED PARTIES  
**FROM:** ENVIRONMENTAL SERVICES DIVISION  
**RE:** JANUARY 2023 MONTHLY WATER QUALITY REPORT

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The Environmental Services Field Offices conducted water quality monitoring in the Sabine Basin from January 9<sup>th</sup> through the 12<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 mild with highs in the mid 60s to mid 70s. Low temperatures were in the low 40s to low 60s. The tidal stations received 0.62 inches of rainfall in the seven days prior to the sampling event.  
**Tidal Conditions** – Surface salinity values were greater than 1 ppt at none of the seven tidal stations. The highest salinity value of 0.2 ppt was recorded at station 10441 (AB2) 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 mild with highs in the low 60s to mid 70s. Low temperatures were in the low 40s to mid 60s. Toledo Bend received 0.58 inches of rainfall during the seven days prior to the sampling event.  
**Lake Level** - The level of Toledo Bend was 169.44 feet with a daily average discharge of 14,262 cfs on the day of sampling. Toledo Bend has a conservation pool level of 172 feet msl. Reservoir profiles indicate a somewhat mixed water column with stratification at the deepest depths.

### **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 mid 50s to mid 70s. Low temperatures were in the low 30s to low 50s. Lake Fork and Lake Tawakoni received 0.15 inches and 0.32 inches of rainfall respectively during the seven days prior to sampling.  
**Lake Level** - The level of Lake Tawakoni was 436.54 feet msl with a release of 6 cfs on the day of sampling. The level of Lake Fork was 397.79 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 indicated a mixed 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**

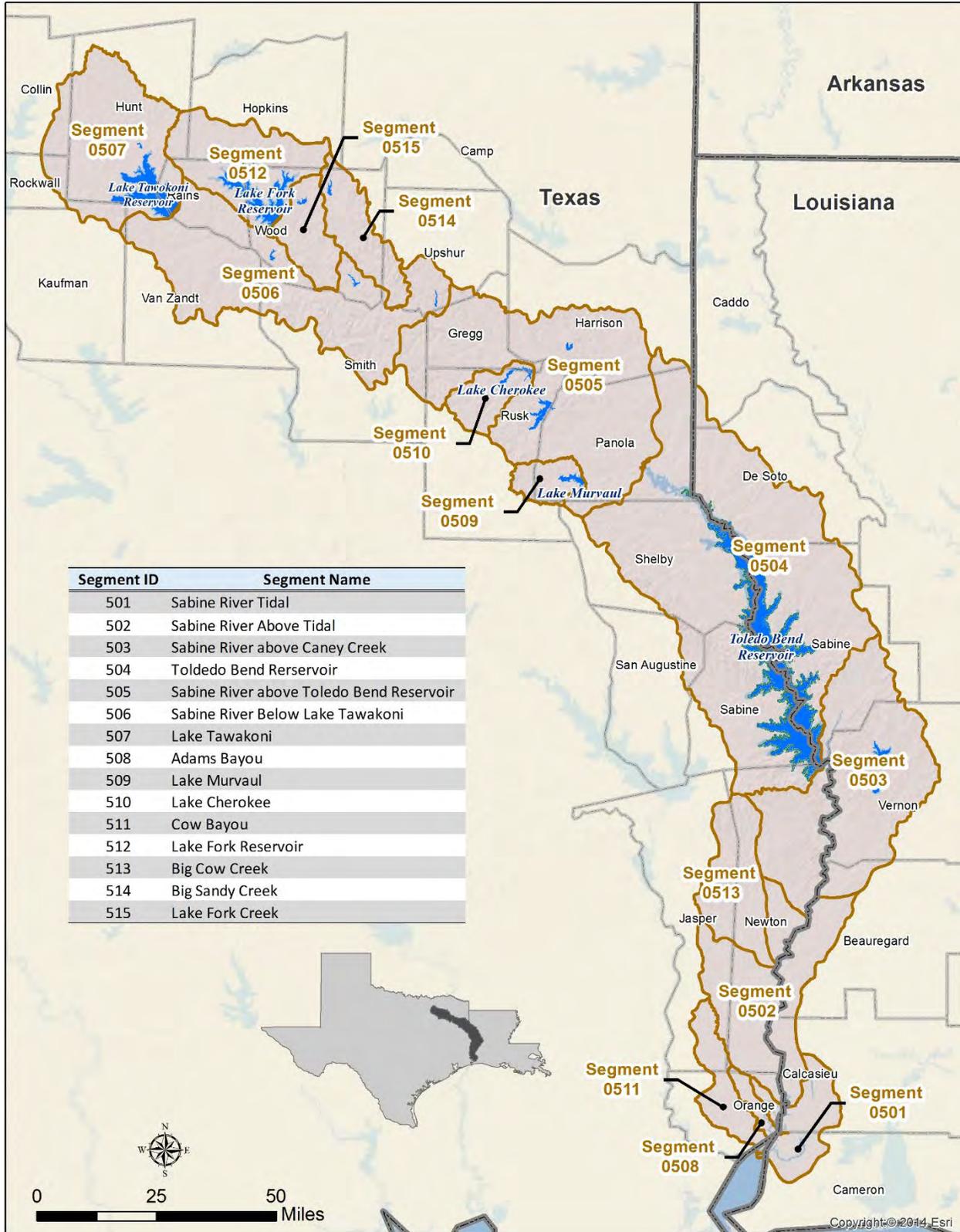
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# Sabine Basin Map



## 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.

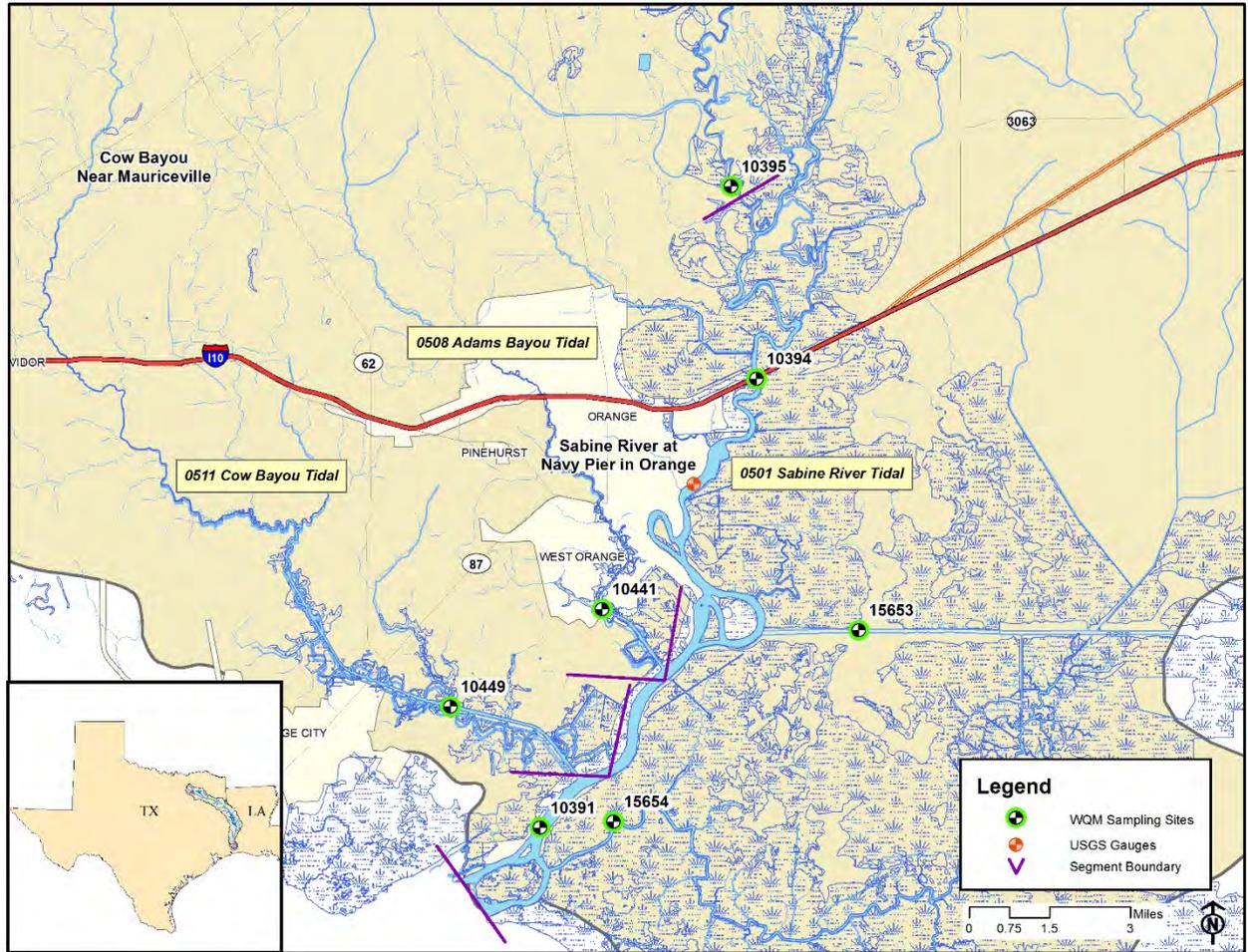
**Segment 0508 – Adams Bayou Tidal.** The segment reaches from the confluence with the Sabine River in Orange County to a point 1.1 kilometers (0.7 miles) upstream of IH-10 in Orange County.

**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	Temp	pH	DO	% Sat	Cond	TDS	Salinity	Secchi	Turbidity	Enterococcus
		meters	°C	SU	mg/L		µS/cm	mg/L	ppt	meters	NTU	mpn/100mL
1/12/23 09:45	10391 (SRT1)	0.3	17.0	6.9	7.2	75	132	84	<0.1	0.50	23.7	120
		3.0	16.8	7.7	7.4	76	113	72	<0.1			
		6.0	16.8	7.9	7.4	76	113	73	<0.1			
		9.5	16.8	8.0	0.2	4	114	73	<0.1			
1/12/23 09:23	15654 (BB1)	0.3	16.9	7.2	7.9	81	132	84	0.1	0.40	22.2	31
		2.0	16.9	7.6	7.8	81	156	111	0.1			
		4.0	17.2	7.5	7.6	79	260	150	0.1			
<b>Segment 0511</b>												
1/12/23 09:00	10449 (CB1)	0.3	18.7	6.9	5.3	57	210	135	0.1	0.26	33.5	161
		1.5	18.6	7.1	5.3	57	210	135	0.1			
		3.5	18.6	7.0	5.3	56	210	134	0.1			
<b>Segment 0508</b>												
1/12/23 10:15	10441 (AB2)	0.3	19.2	7.6	5.1	55	364	234	0.2	0.32	24.4	134
		1.0	19.2	7.8	5.0	54	363	232	0.2			
		1.4	19.1	7.8	4.5	48	362	232	0.2			
1/12/23 10:36	15653 (ICW1)	0.3	17.2	7.6	7.6	79	126	80	<0.1	0.37	22.9	30
		1.5	17.2	7.8	7.7	80	126	81	<0.1			
		3.5	17.2	7.8	7.8	80	126	81	<0.1			
1/12/23 11:27	10394 (SRT2)	0.3	17.3	7.4	6.7	69	89	57	<0.1	0.36	24.9	630
		3.0	17.3	7.3	6.7	70	89	57	<0.1			
		6.0	17.3	7.4	6.6	69	89	57	<0.1			
		8.0	17.3	7.5	4.7	61	89	57	<0.1			
1/12/23 12:01	10395 (SR1)	0.3	17.0	7.4	6.8	71	94	60	<0.1	0.43	25.2	860

# 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.

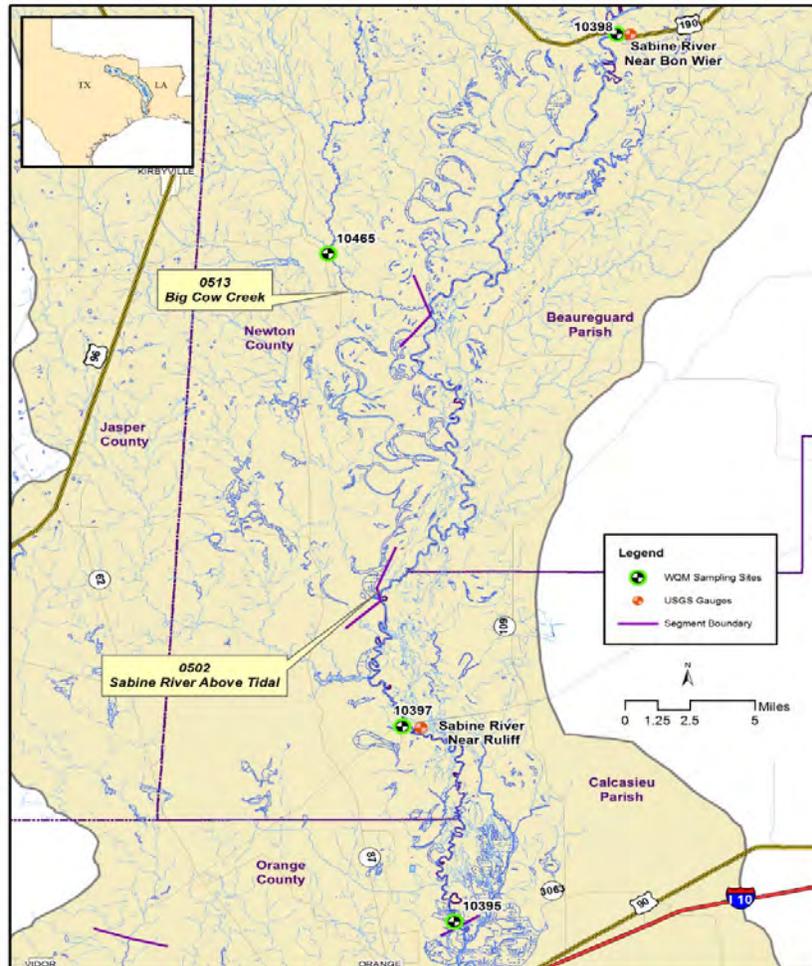
### Segment 0502 USGS Recorded Flows

Date and Time	Station	USGS Station #	Location	Flow (cfs)
1/11/23 07:58	10397(SR2)	08030500	Sabine River near Ruliff, TX	18,200

### 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	<i>E.coli</i> mpn/100mL
1/11/23 07:58	10397 (SR2)	0.3	15.1	7.1	7.7	77	85	55	0.29	29.2	365
<b>Segment 0513</b>											
1/11/23 09:06	10465 (BCC1)	0.3	14.8	5.7	8.3	82	27	17	0.26	38.0	613

### 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.

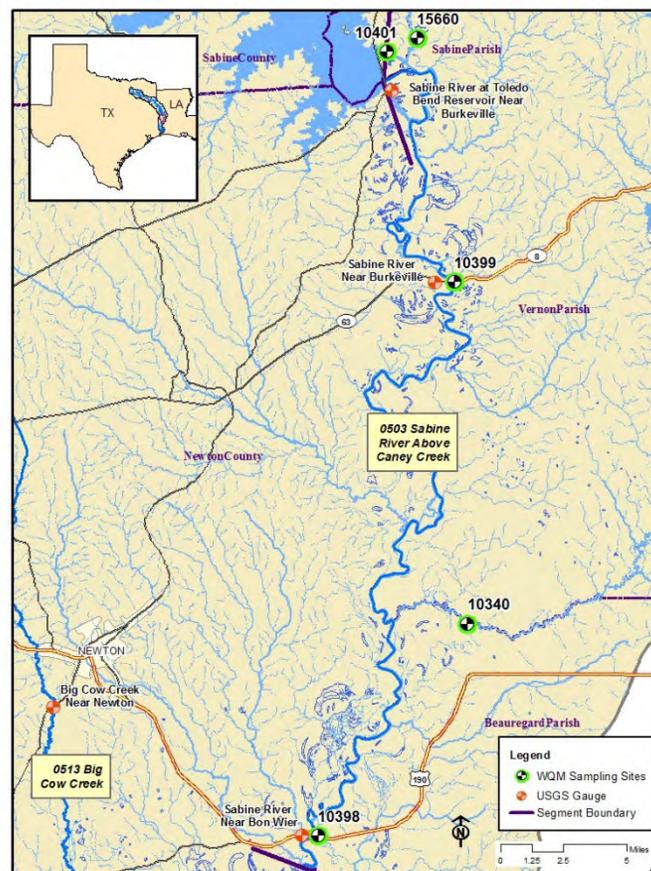
### Segment 0503 USGS Recorded Flows

Date and Time	Station	USGS Station #	Location	Flow (cfs)
1/11/23 11:26	10398(SR3)	08028500	Sabine River near Bon Wier, TX	15,000
1/11/23 10:18	10399(SR5)	08026000	Sabine River near Burkeville, TX	13,600

### 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
1/11/23 11:26	10398 (SR3)	0.3	14.0	7.8	9.6	93	113	73	0.44	16.1	99
1/11/23 11:05	10340 (BA4)	0.3	15.8	7.4	8.9	90	42	27	0.26	37.2	121
1/11/23 10:18	10399 (SR5)	0.3	13.4	7.9	8.6	92	123	79	0.86	6.73	29
1/9/23 12:15	10401 (TB6S)	0.3	14.0	8.9	11.1	107	127	81	>1.2	3.20	6
1/9/23 11:57	15660 (BT1)	0.3	14.5	7.3	9.3	91	57	37	0.09	147	>2,420

### 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
1/10/23 14:12	10404 (TB6A)	0.3	13.8	7.7	10.4	100	125	80	1.7	3.09	<1
		1.0	13.6	7.8	10.1	97	125	80			
		2.0	13.4	7.7	10.0	95	125	80			
		3.0	13.4	7.6	9.9	94	125	80			
		4.0	13.4	7.6	9.9	94	125	80			
		5.0	13.3	7.4	9.7	93	125	80			
		8.0	12.1	7.3	7.9	74	126	80			
		11.0	11.9	7.3	7.4	68	126	81			
		14.0	11.8	7.2	7.0	65	126	80			
		17.0	11.6	7.2	6.7	62	127	81			
		20.0	11.5	7.3	6.5	59	218	140			
		23.0	11.5	7.3	6.2	57	230	147			
		26.0	11.4	7.3	5.8	54	237	152			
		28.0	11.6	7.3	<0.1	<1	240	153			
1/10/23 07:51	10406 (TB6C)	0.3	15.1	7.2	7.8	77	75	48	0.48	23.6	33
		1.0	15.1	7.2	7.8	77	75	48			
		2.0	15.1	7.2	7.8	77	76	48			
		3.0	15.0	7.0	7.3	73	76	49			
1/10/23 12:52	18054 (TB6Q)	0.3	14.2	8.0	10.7	104	131	84	1.2	5.13	3
		1.0	14.2	8.2	10.7	103	130	83			
		2.0	14.1	8.2	10.6	102	130	83			
		3.0	13.9	8.2	10.6	101	131	84			
		4.0	13.8	8.2	10.4	100	132	84			
		5.0	13.6	8.2	10.4	99	133	85			
		6.0	13.5	8.1	10.3	98	134	85			
		7.0	12.5	8.0	8.5	76	135	87			
		8.0	11.9	7.8	7.2	66	139	89			
		9.0	11.9	7.7	7.1	63	140	90			

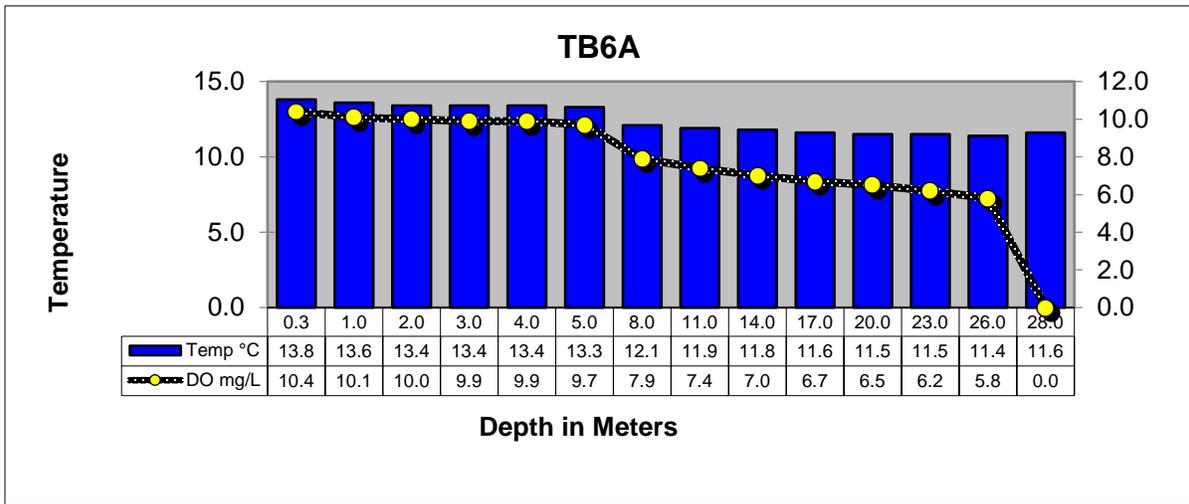
## Segment 0504 Water Quality Continued

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
1/9/23 10:03	10411 (TB6F)	0.3	15.1	7.6	6.2	61	50	32	0.24	48.9	42
		1.0	15.1	7.6	6.2	61	50	32			
		2.0	15.1	7.5	6.2	61	50	32			
		3.0	15.1	7.4	6.2	61	50	32			
		4.0	12.6	7.7	6.1	57	78	50			
		5.0	11.8	7.6	5.2	48	84	53			
1/10/23 10:44	10402 (TB6H)	0.3	13.0	7.5	10.4	98	137	88	0.85	10.7	15
		1.0	12.9	7.5	10.3	92	137	88			
		2.0	12.8	7.4	10.0	95	137	88			
		3.0	12.5	7.4	9.8	92	138	88			
		4.0	12.3	7.4	9.5	89	139	89			
		5.0	12.2	7.3	9.3	86	139	89			
		6.0	12.0	7.3	9.0	84	141	90			
		7.0	11.7	7.3	8.5	80	141	90			
		8.0	11.3	7.3	7.9	72	146	94			
		9.0	11.1	7.3	7.9	71	147	94			
		10.0	11.1	7.3	7.8	70	148	95			
		11.0	11.1	7.4	7.8	70	148	95			
		12.0	11.0	7.4	7.8	70	149	95			
		13.0	11.0	7.4	7.7	69	148	95			
		14.0	11.0	7.4	7.7	69	148	95			
		15.0	11.0	7.5	7.6	69	149	95			
		16.0	11.0	7.6	6.9	67	148	95			
1/9/23 10:31	15659 (TB6K)	0.3	15.7	7.6	7.0	70	75	48	0.20	43.6	33
		1.0	15.8	7.6	7.0	70	78	50			
		2.0	15.4	7.6	6.8	67	81	52			
		3.0	15.0	7.6	6.8	66	92	59			
		4.0	13.5	7.7	6.7	62	121	77			
		5.0	12.5	7.8	6.0	56	135	86			
		6.0	12.3	7.8	5.9	55	136	87			
		7.0	12.3	7.8	6.0	55	137	88			
		8.0	12.2	7.8	6.0	56	138	88			
		9.0	12.1	7.7	6.1	56	139	89			
1/9/23 09:30	15655 (TB6J)	0.3	13.9	7.8	8.0	76	88	56	0.22	53.9	64
		1.0	13.9	8.1	8.0	76	88	56			
		2.0	13.9	8.2	7.9	76	88	56			
		3.0	13.1	8.2	7.7	73	106	68			
		4.0	11.8	8.3	7.5	69	125	80			

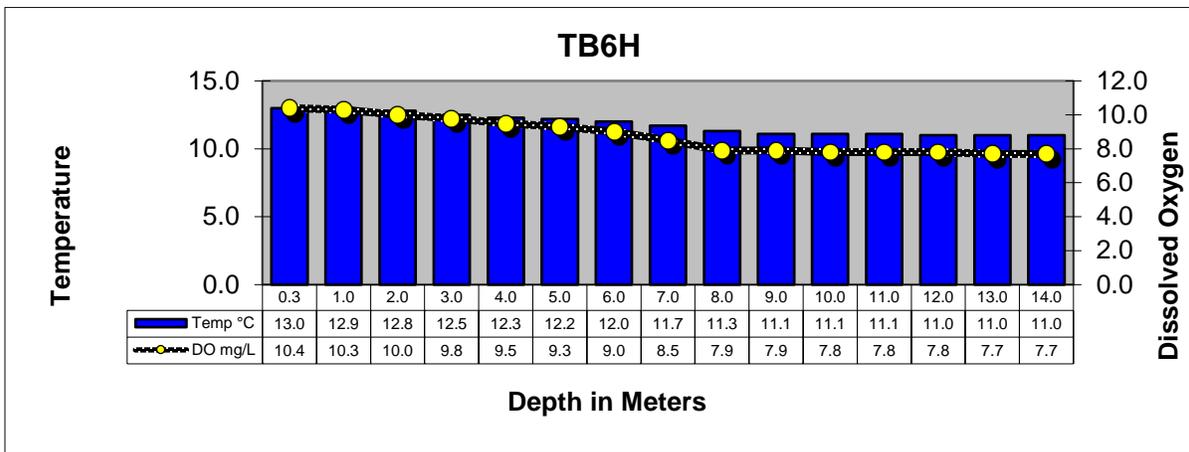
## Segment 0504 Water Quality Continued

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
1/10/23 11:58	18053 (TB6LN)	0.3	14.8	7.3	7.1	70	74	47	0.39	29.8	35
		1.0	14.8	7.3	7.1	70	74	47			
		2.0	14.7	7.3	7.2	71	75	49			
		3.0	14.5	7.3	7.6	74	77	49			
		4.0	14.5	7.3	7.6	74	78	50			
		5.0	14.4	7.3	7.6	74	79	51			
1/10/23 09:17	18052 (TB6R)	0.3	12.7	7.7	9.6	90	160	103	0.69	15.6	10
		1.0	12.7	7.7	9.6	90	160	102			
		2.0	12.7	7.6	9.5	89	160	103			
		3.0	12.7	7.6	9.5	89	160	103			
		4.0	12.7	7.6	9.5	89	160	103			
		5.0	12.6	7.6	9.5	89	160	103			
		6.0	12.6	7.6	9.5	89	160	103			
		7.0	12.6	7.6	9.5	89	160	103			
		8.0	12.6	7.6	9.5	89	160	103			
		9.0	12.6	7.6	9.5	89	160	103			
		10.0	12.6	7.6	9.4	88	162	103			
		11.0	12.4	7.6	5.5	52	161	104			
		12.0	11.5	7.6	1.4	13	167	107			
		13.0	11.5	7.8	1.2	11	167	107			

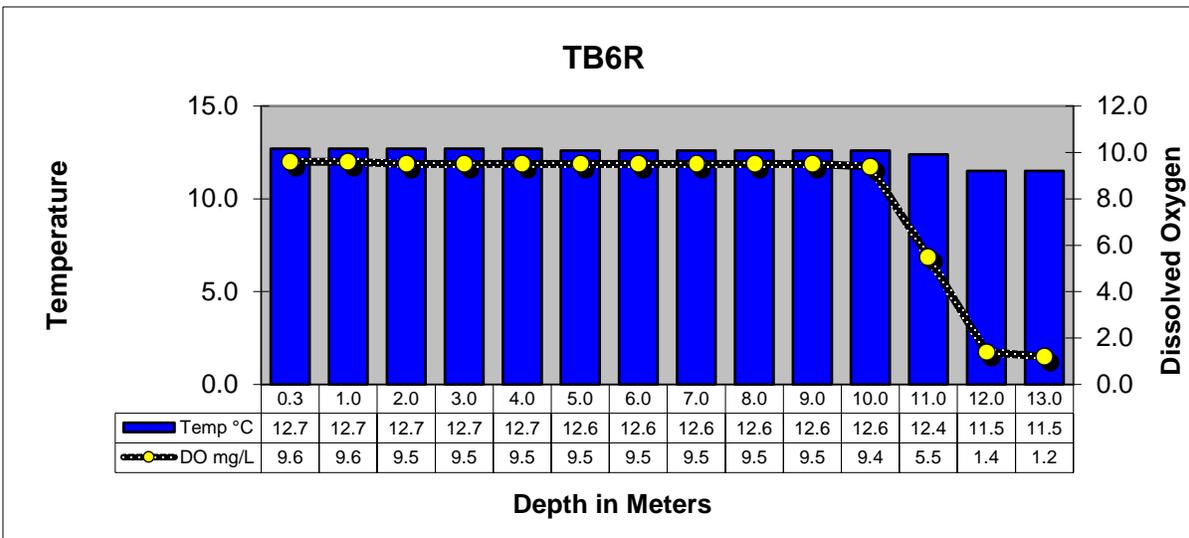
### Toledo Bend Reservoir Profiles



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

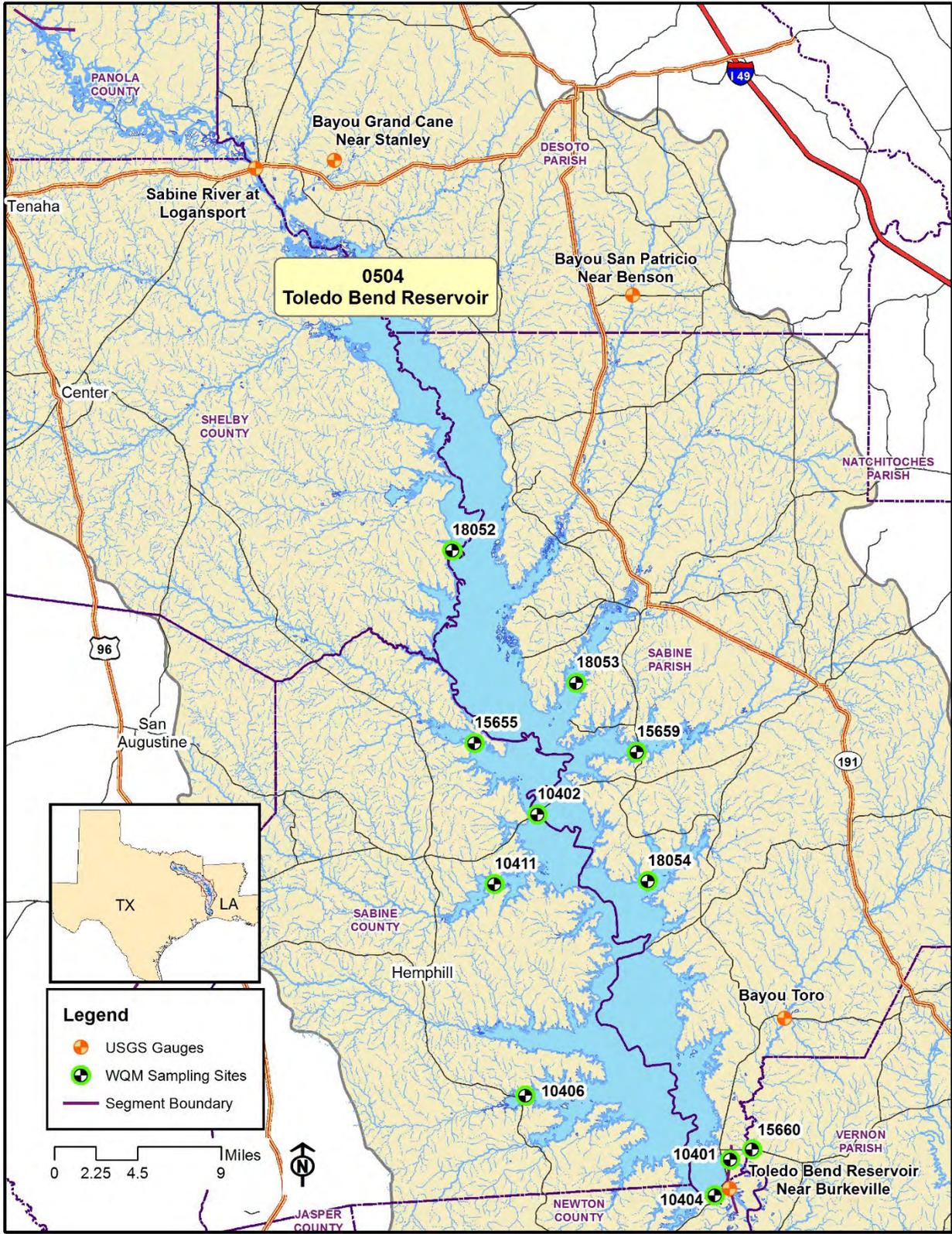


TOLEDO BEND RESERVOIR AT SH 21 NORTHEAST OF MILAM



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.

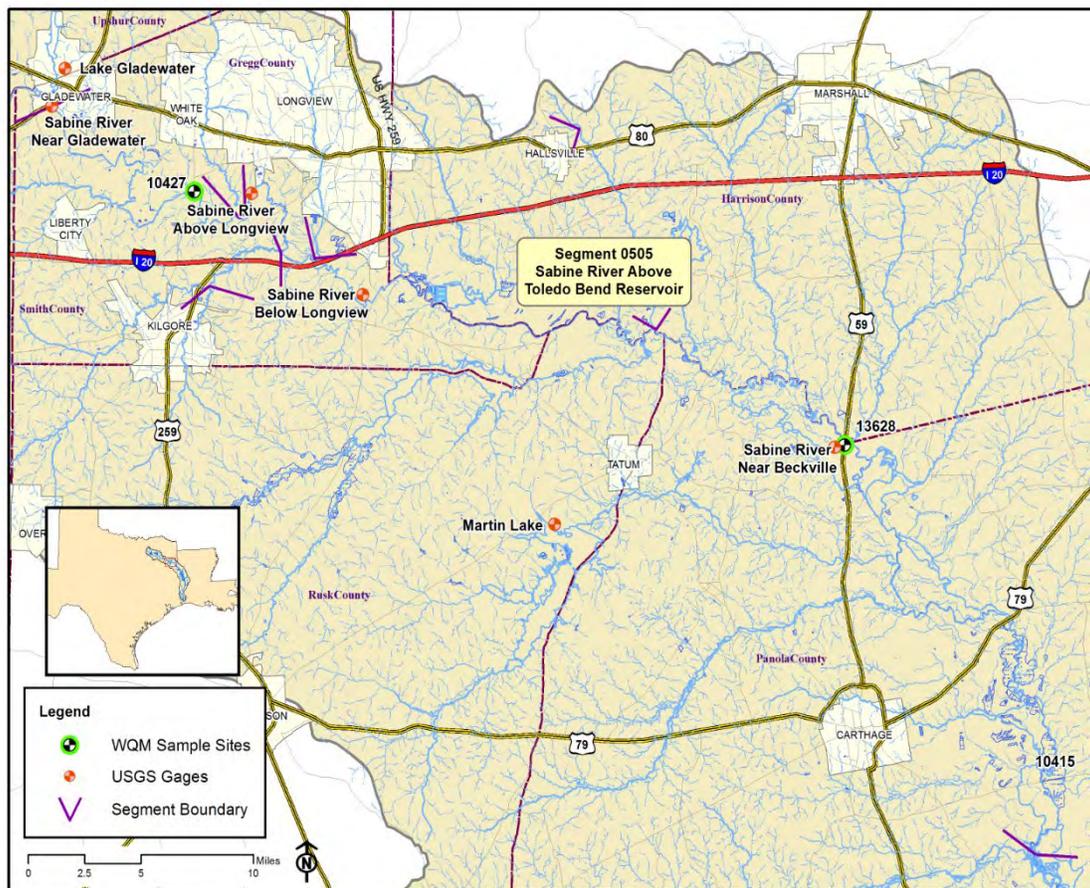
## Segment 0505 USGS Recorded Flows

Date and Time	Station	USGS Station #	Location	Flow (cfs)
1/11/23 09:19	13628(SR11)	08022040	Sabine River near Beckville, TX	1,060

## 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
1/11/23 09:48	10415(SR10)	0.3	13.0	7.3	9.5	92	308	197	0.21	63.5	63
1/11/23 09:19	13628(SR11)	0.3	12.9	7.3	9.5	92	313	201	0.27	43.2	44
1/11/23 08:37	10427(SR16)	0.3	12.2	7.1	9.4	89	510	327	0.25	42.9	47

## 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)
1/11/23 08:13	10428(SR17)	08020000	Sabine River near Gladewater, TX	348
1/10/23 15:01	10429(SR19)	08019200	Sabine River near Hawkins, TX	147
1/10/23 14:16	10430(SR21)	08018500	Sabine River near Mineola, TX	45
<b>Segment 0514</b>				
1/10/23 15:20	10468(BS1)	08019500	Big Sandy Creek near Big Sandy, TX	57

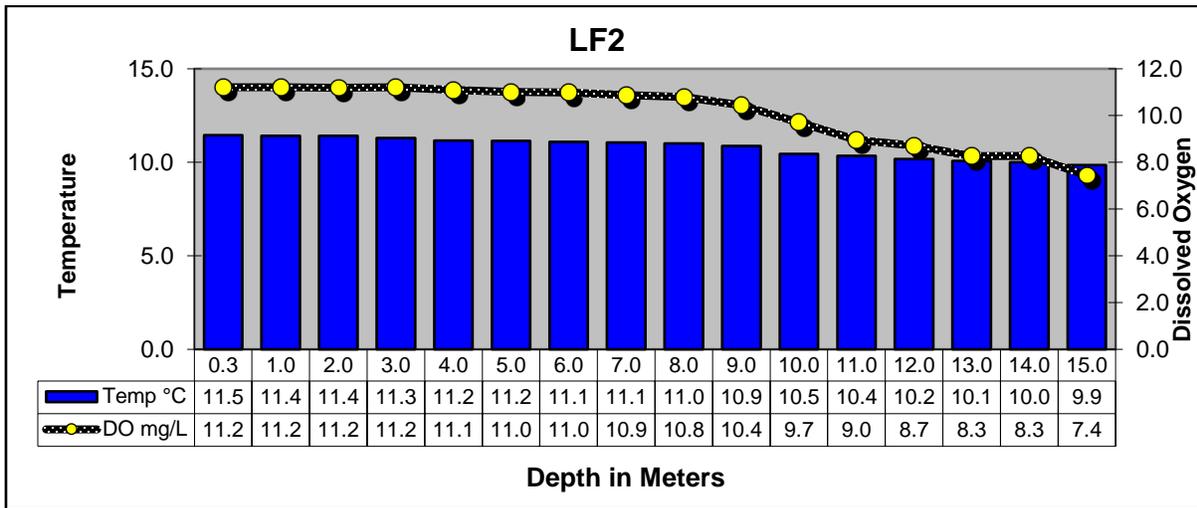
## Segment 0506 Water Quality

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
1/11/23 08:13	10428(SR17)	0.3	12.3	7.0	9.6	91	369	236	0.26	43.4	70
1/10/23 15:01	10429(SR19)	0.3	12.7	7.3	9.8	94	430	275	0.24	39.3	194
1/10/23 14:16	10430(SR21)	0.3	11.7	7.4	9.2	86	570	365	0.24	40.4	84
<b>Segment 0514</b>											
1/10/23 15:20	10468(BS1)	0.3	12.0	7.0	9.8	92	154	98	0.75	16.1	61
<b>Segment 0515</b>											
1/10/23 14:42	10469(LF20)	0.3	12.1	7.4	10.2	96	283	181	0.30	36.0	75

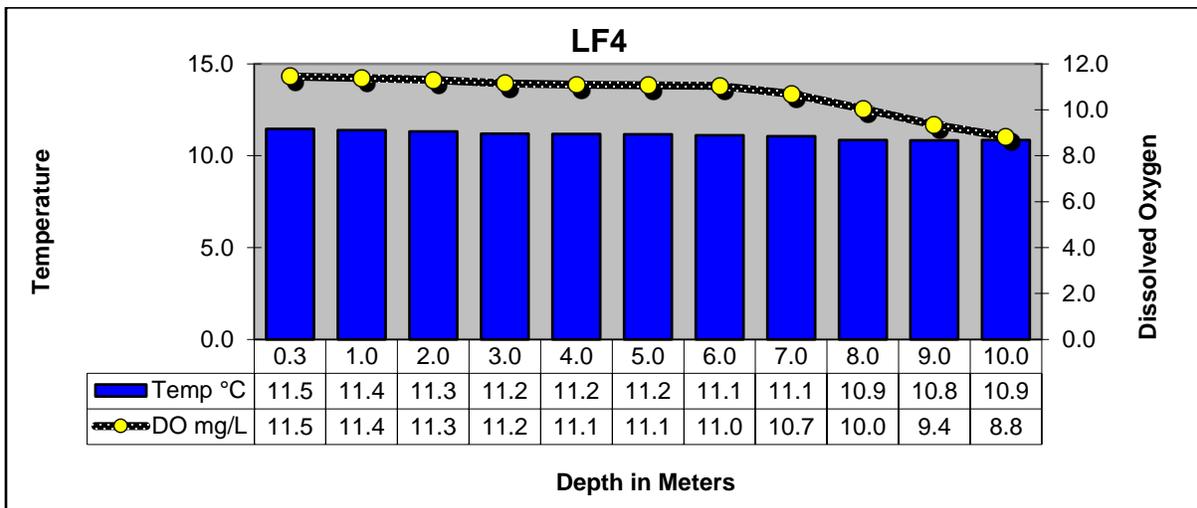
## Segment 0506 Water Quality Continued

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
Segment 0512											
1/10/23 12:51	10458(LF2)	0.3	11.5	7.9	11.2	104	176	113	>1.2	7.32	<1
		1.0	11.4	8.1	11.2	104	176	112			
		2.0	11.4	8.2	11.2	104	175	112			
		3.0	11.3	8.3	11.2	103	175	112			
		4.0	11.2	8.3	11.1	102	175	112			
		5.0	11.2	8.4	11.0	101	175	113			
		6.0	11.1	8.5	11.0	101	175	112			
		7.0	11.1	8.5	10.9	100	175	112			
		8.0	11.0	8.5	10.8	99	175	112			
		9.0	10.9	8.5	10.4	96	175	112			
		10.0	10.5	8.5	9.7	86	176	112			
		11.0	10.4	8.4	9.0	81	176	112			
		12.0	10.2	8.4	8.7	78	176	113			
		13.0	10.1	8.3	8.3	74	176	113			
		14.0	10.0	8.3	8.3	71	176	113			
		15.0	9.9	8.2	7.4	66	176	113			
1/10/23 11:57	10462(LF4)	0.3	11.5	8.1	11.5	106	172	111	0.64	7.27	3
		1.0	11.4	8.0	11.4	105	172	110			
		2.0	11.3	8.0	11.3	105	172	110			
		3.0	11.2	7.9	11.2	103	172	110			
		4.0	11.2	7.9	11.1	102	172	110			
		5.0	11.2	7.9	11.1	102	172	110			
		6.0	11.1	7.8	11.0	101	172	110			
		7.0	11.1	7.8	10.7	99	172	110			
		8.0	10.9	7.6	10.0	92	173	111			
		9.0	10.8	7.5	9.4	85	174	111			
		10.0	10.9	7.1	8.8	82	174	111			
1/10/23 12:14	10461(LF3)	0.3	12.1	8.4	11.9	112	175	112	0.67	12.0	<1
		1.0	12.1	8.4	11.9	112	175	112			
		2.0	11.8	8.3	11.8	110	175	112			
		3.0	11.7	8.2	11.5	108	174	111			
		4.0	11.7	8.2	11.4	107	174	111			
		5.0	11.7	8.2	11.3	106	174	111			
		6.0	11.6	8.1	11.2	105	174	111			
		7.0	11.6	8.0	10.9	101	174	111			
		8.0	11.6	7.9	10.7	99	174	111			

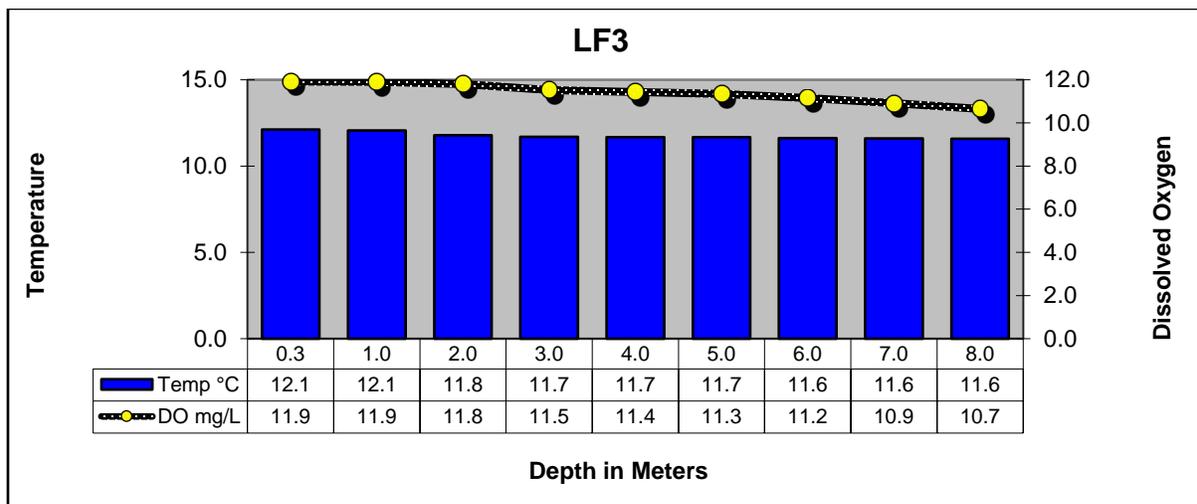
## Lake Fork Reservoir Profiles



LAKE FORK RESERVOIR NEAR DAM IN CREEK CHANNEL

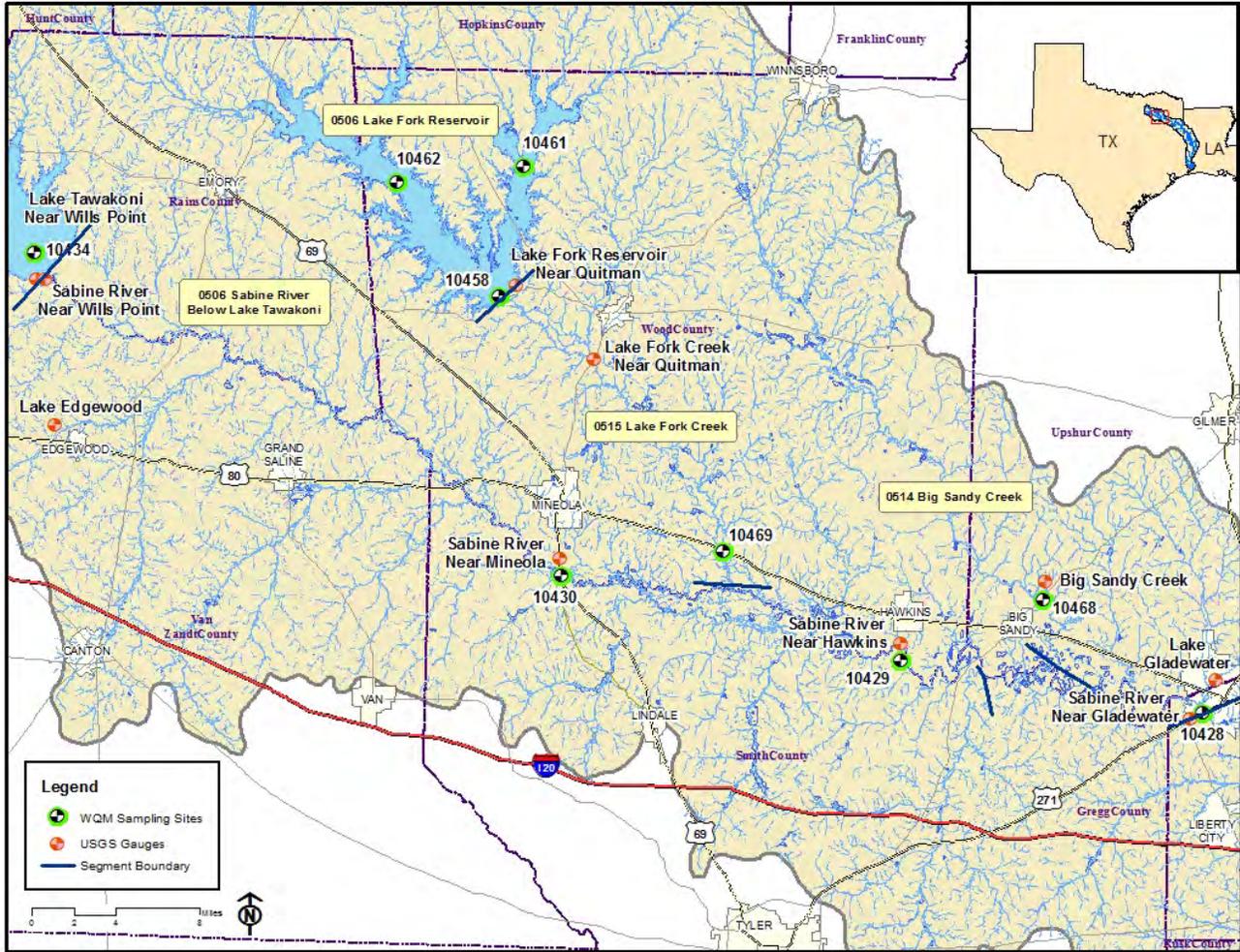


LAKE FORK RESERVOIR MID-COVE IN LAKE FORK CREEK ARM AT FM515



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

# Segments 0506, 0512, 0514 & 0515



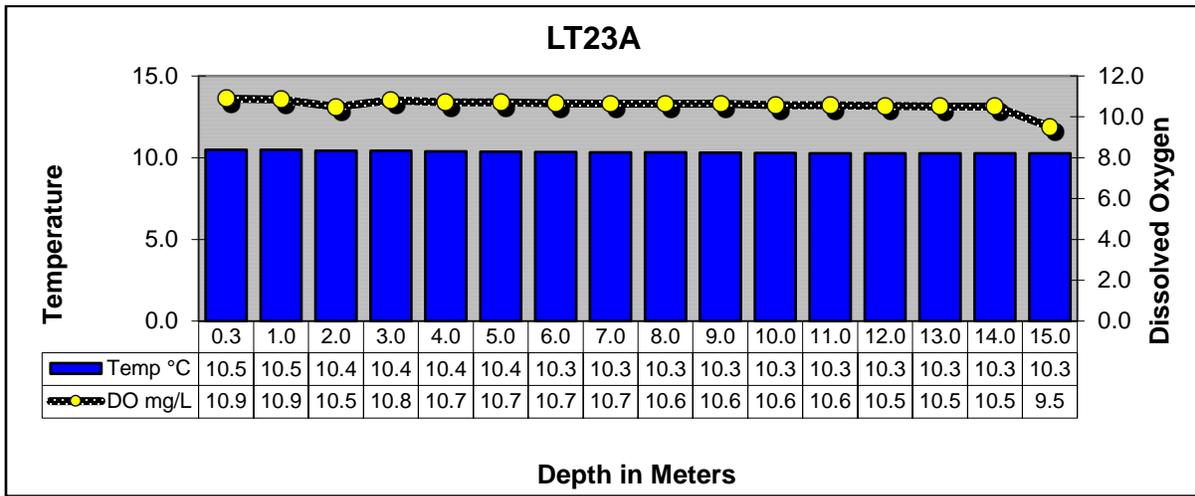
## Segment 0507 - Lake Tawakoni

**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.

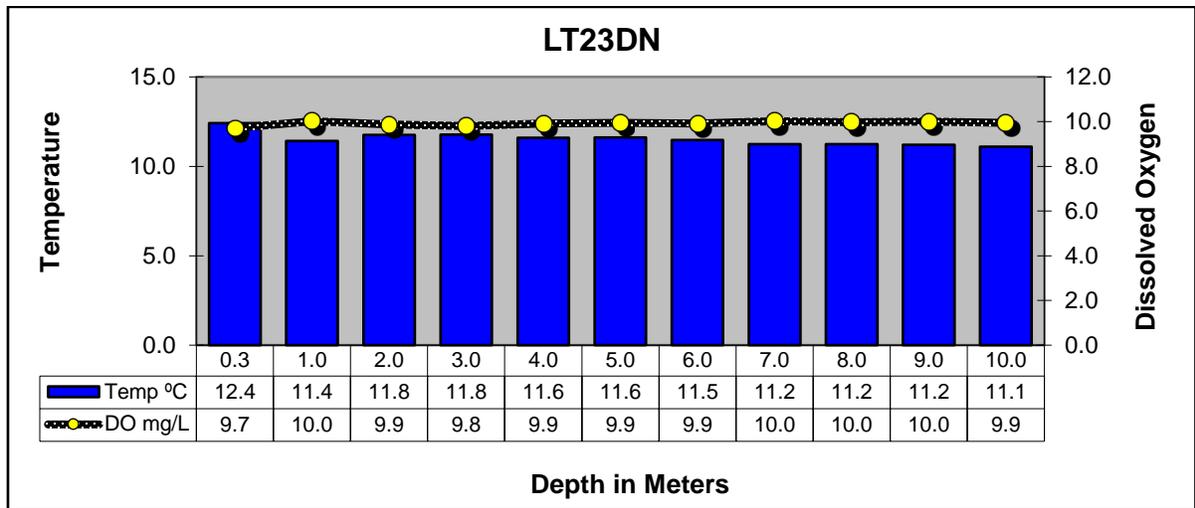
### Segment 0507 Water Quality

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	<i>E. coli</i> mpn/100mL
1/10/23 10:54	10434(LT23A)	0.3	10.5	8.1	10.9	99	206	132	0.88	6.95	<1
		1.0	10.5	8.2	10.9	99	206	132			
		2.0	10.4	8.1	10.5	99	206	132			
		3.0	10.4	8.1	10.8	98	206	132			
		4.0	10.4	8.1	10.7	97	206	132			
		5.0	10.4	8.1	10.7	97	206	132			
		6.0	10.3	8.1	10.7	97	206	132			
		7.0	10.3	8.1	10.7	96	206	132			
		8.0	10.3	8.1	10.6	96	206	132			
		9.0	10.3	8.1	10.6	96	206	132			
		10.0	10.3	8.0	10.6	96	206	132			
		11.0	10.3	8.0	10.6	95	206	132			
		12.0	10.3	8.0	10.5	95	206	132			
		13.0	10.3	8.0	10.5	95	206	132			
		14.0	10.3	8.0	10.5	95	206	132			
		15.0	10.3	7.5	9.5	87	206	132			
1/10/23 09:47	21173(LT23DN)	0.3	12.4	7.6	9.7	92	199	127	0.82	8.29	1
		1.0	11.4	8.0	10.0	93	203	129			
		2.0	11.8	7.9	9.9	92	201	129			
		3.0	11.8	7.9	9.8	92	201	129			
		4.0	11.6	7.9	9.9	93	201	129			
		5.0	11.6	7.9	9.9	93	202	129			
		6.0	11.5	7.9	9.9	92	202	129			
		7.0	11.2	7.9	10.0	92	203	130			
		8.0	11.2	7.9	10.0	92	203	130			
		9.0	11.2	7.9	10.0	92	203	130			
		10.0	11.1	7.9	9.9	92	203	130			
1/10/23 10:07	10437(LT23B)	0.3	10.4	8.1	10.3	93	208	133	0.72	10.5	<1
		1.0	10.4	8.1	10.2	93	208	133			
		2.0	10.4	8.0	10.2	93	208	133			
		3.0	10.4	8.0	10.2	93	208	133			
		4.0	10.4	8.0	10.2	92	208	133			
		5.0	10.4	8.0	10.2	92	208	133			
		6.0	10.4	8.0	10.1	92	208	133			
		7.0	10.3	7.9	10.1	92	208	133			
		8.0	10.3	7.9	10.0	91	208	133			
		9.0	10.2	7.9	9.8	88	208	133			

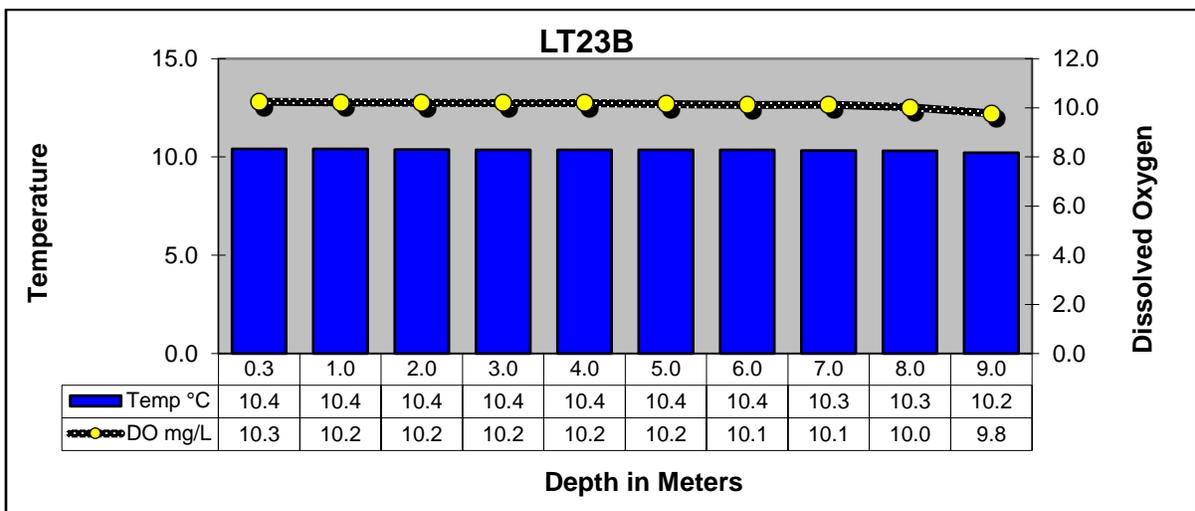
## Lake Tawakoni Reservoir Profiles



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

