SABINE RIVER AUTHORITY OF TEXAS

TO: INTERESTED PARTIES

FROM: ENVIRONMENTAL SERVICES DIVISION

RE: OCTOBER 2024 MONTHLY WATER QUALITY REPORT

The Environmental Services Field Offices conducted water quality monitoring in the Sabine Basin from October 21st through the 24th. The results of field monitoring are presented in this report[1] 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 low 70s to low 80s. Low temperatures were in the low 40s to mid 50s. The tidal stations received no rainfall in the seven days prior to the sampling event.
Tidal Conditions – Surface salinity values were greater than 1 ppt at six of the seven tidal stations. The highest salinity value of 14.0 ppt was recorded at station 15654 (BB1) at a depth of 4.0 meters.

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

Weather – Air temperatures in the lower basin were warm with highs in the upper 70s to low 90s. Low temperatures were in the mid 40s to low 60s. Toledo Bend received no rainfall during the seven days prior to the sampling event.
Lake Level - The level of Toledo Bend was 167.45 feet with a daily average discharge of 200 cfs on the day of sampling. Toledo Bend has a conservation pool level of 172 feet msl. Reservoir profiles indicate a mixed water column with some stratification at deeper 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 warm with highs in the upper 60s to low 90s. Low temperatures were in the low 40s to low 50s. Lake Fork and Lake Tawakoni received no rainfall during the seven days prior to sampling.
Lake Level - The level of Lake Tawakoni was 435.34 feet msl with a release of 6 cfs on the day of sampling. The level of Lake Fork was 400.71 feet msl with a 60 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 with some stratification at deeper depths.

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:

- Jerry Wiegreffe, Environmental Services Assistant Division Manager
  409-746-3284 (jwiegreffe@sratx.org)
- *Lower and Tidal Sabine Basin*
  Kaleb McDade, Field Coordinator
  409-746-3284 (kmcdade@sratx.org)
- *Upper Sabine Basin*
  Jube Guajardo, Upper Basin Field Biologist
  903-878-2262 (jguajardo@sratx.org)

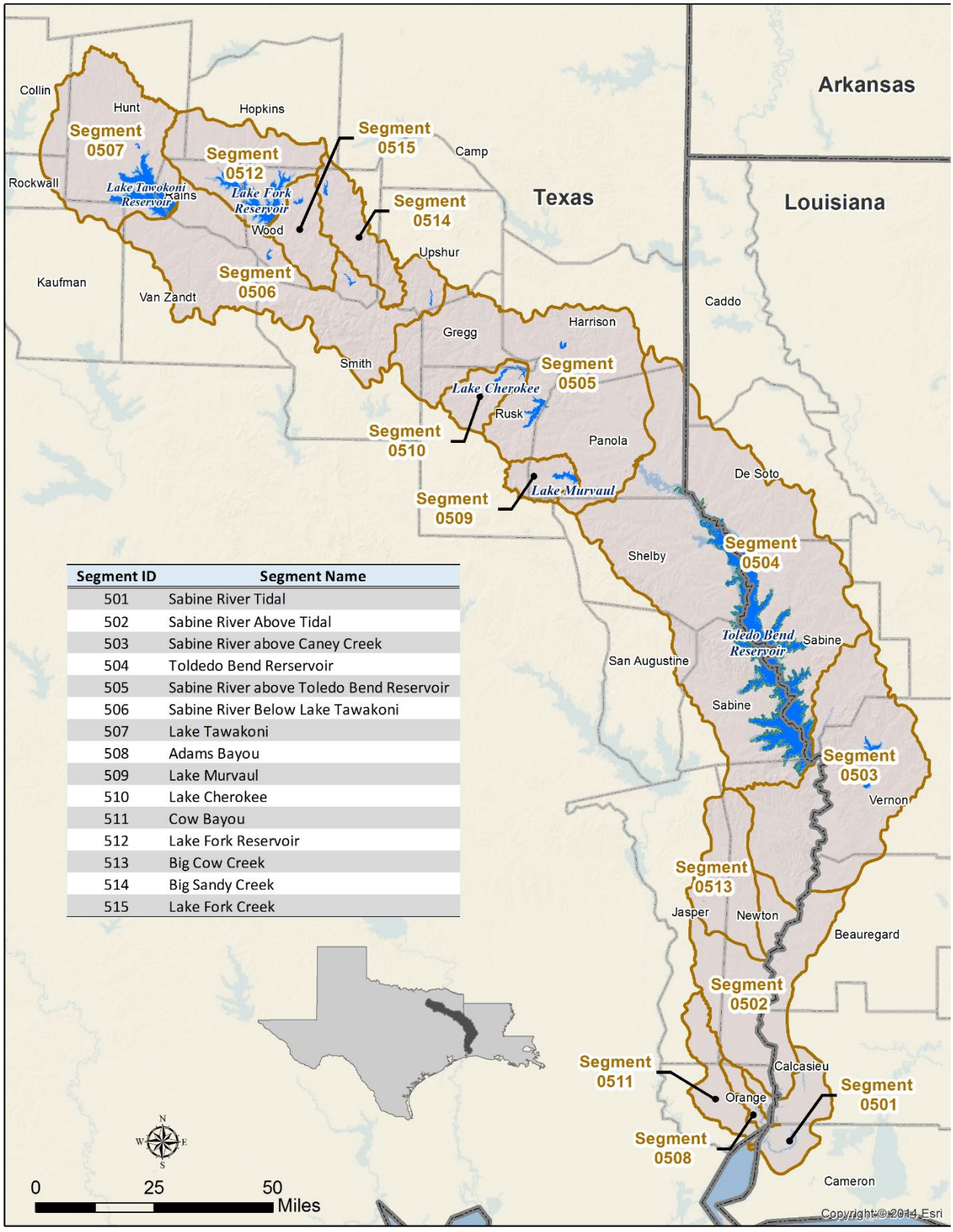
[1] Data in this report is considered preliminary until it is available in TCEQ's Surface Water Quality Monitoring Information System database.

SABINE RIVER AUTHORITY OF TEXAS
Monthly Water Quality Report

Table of Contents

Table of Figures

Sabine Basin Map



Segment ID	Segment Name
501	Sabine River Tidal
502	Sabine River Above Tidal
503	Sabine River above Caney Creek
504	Toldedo Bend Rerservoir
505	Sabine River above Toledo Bend Reservoir
506	Sabine River Below Lake Tawakoni
507	Lake Tawakoni
508	Adams Bayou
509	Lake Murvaul
510	Lake Cherokee
511	Cow Bayou
512	Lake Fork Reservoir
513	Big Cow Creek
514	Big Sandy Creek
515	Lake Fork Creek

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 ROUNDBUNCH 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
505	10423 (SR14)	SABINE RIVER AT SH 149 SOUTH OF LONGVIEW TX
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 Morgans 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.

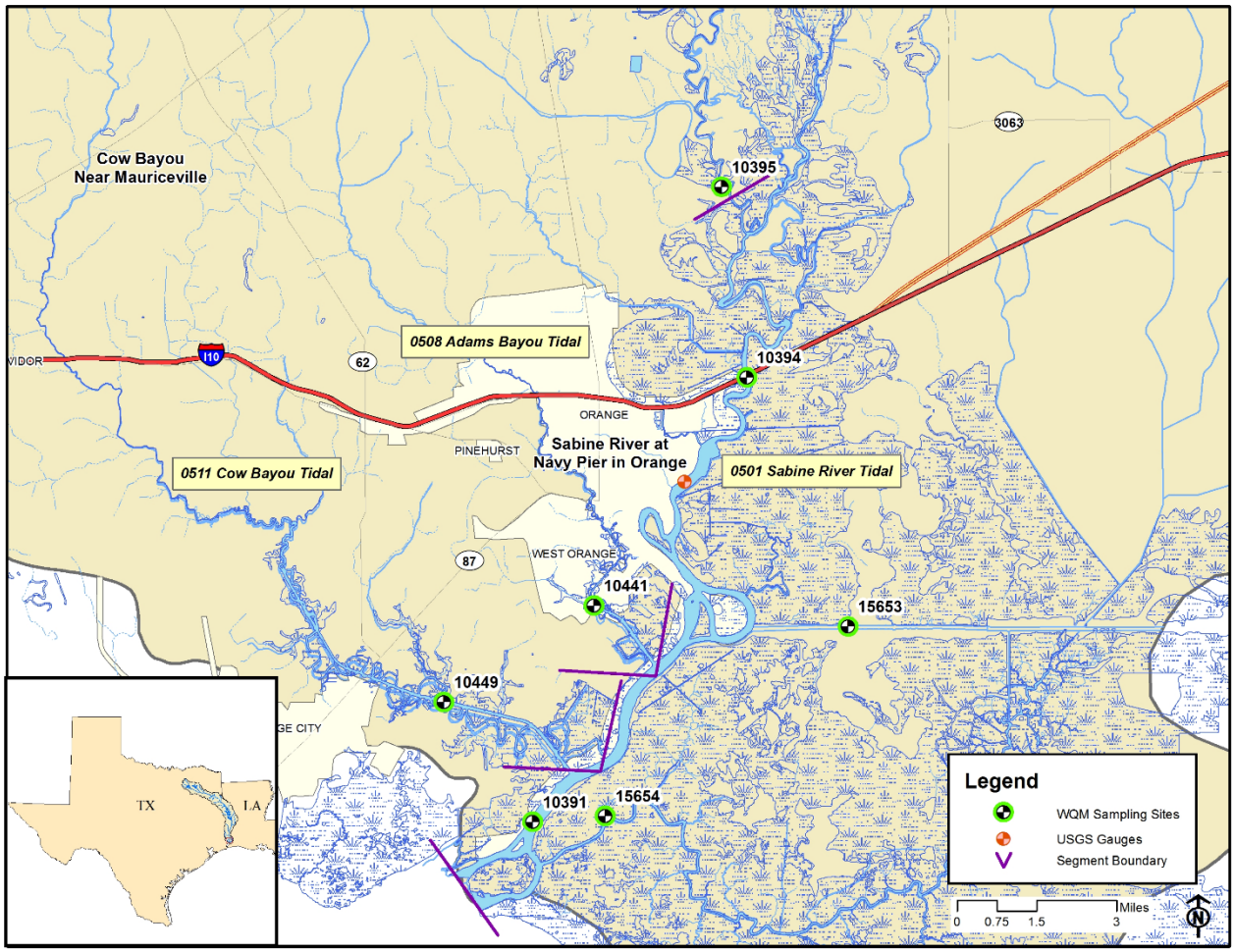
Segment 0508 – Adams Bayou Tidal. The segment reaches from the confluence with the Sabine River in Orange County to a point 1.1 kilometers (0.7 miles) upstream of IH-10 in Orange County.

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*
10/24/24 10:03	10391 (SRT1)	0.3	23.2	7.4	7.0	88	20,800	13,300	12.4	0.60	5.91	30
		2.5	23.2	7.4	6.6	83	21,300	13,700	12.7			
		5.0	23.1	7.5	6.4	80	22,100	14,100	13.2			
		7.5	23.2	7.5	6.3	79	22,400	14,400	13.5			
		10.0	23.2	7.5	6.0	74	22,500	14,400	13.5			
10/24/24 09:49	15654 (BB1)	0.3	23.2	7.4	6.9	86	21,800	14,000	13.2	0.74	5.47	63
		2.0	23.1	7.4	6.9	87	23,100	14,800	13.9			
		4.0	23.0	7.4	6.9	87	23,300	14,900	14.0			
Segment 0511												
10/24/24 09:28	10449 (CB1)	0.3	22.7	7.2	7.1	87	17,000	10,900	10.0	0.60	6.15	20
		2.0	23.2	7.2	6.7	83	19,100	12,200	11.3			
		4.0	22.9	7.2	6.1	73	11,600	7,410	6.6			
Segment 0508												
10/24/24 10:22	10441 (AB2)	0.3	23.3	7.3	7.1	89	17,100	11,000	10.0	0.60	5.50	52
		1.5	23.2	7.3	6.8	84	18,200	11,600	10.6			
		3.0	23.0	7.2	5.7	72	19,000	12,100	11.2			
10/24/24 10:42	15653 (ICW1)	0.3	23.9	7.4	7.1	92	18,000	11,500	10.6	0.82	5.75	10
		2.0	23.8	7.4	7.1	90	18,000	11,500	10.6			
		4.0	23.8	7.4	7.1	89	18,000	11,600	10.6			
10/24/24 11:24	10394 (SRT2)	0.3	24.0	7.2	6.2	75	5,790	3,700	3.2	0.57	8.22	41
		2.0	24.1	7.2	5.7	64	11,400	7,280	6.4			
		4.0	24.0	7.2	5.0	63	12,500	11,200	10.2			
		6.0	24.0	7.2	4.6	59	19,000	12,200	11.3			
		8.0	24.0	7.2	3.8	49	19,600	12,600	11.6			
10/24/24 11:57	10395 (SR1)	0.3	23.8	7.6	7.8	93	393	252	0.2	0.51	21.4	<10

Segments 0501, 0508 & 0511



Segment 0502 - Sabine River Above Tidal

Description: The designated segment includes the Sabine River from Morgans 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.

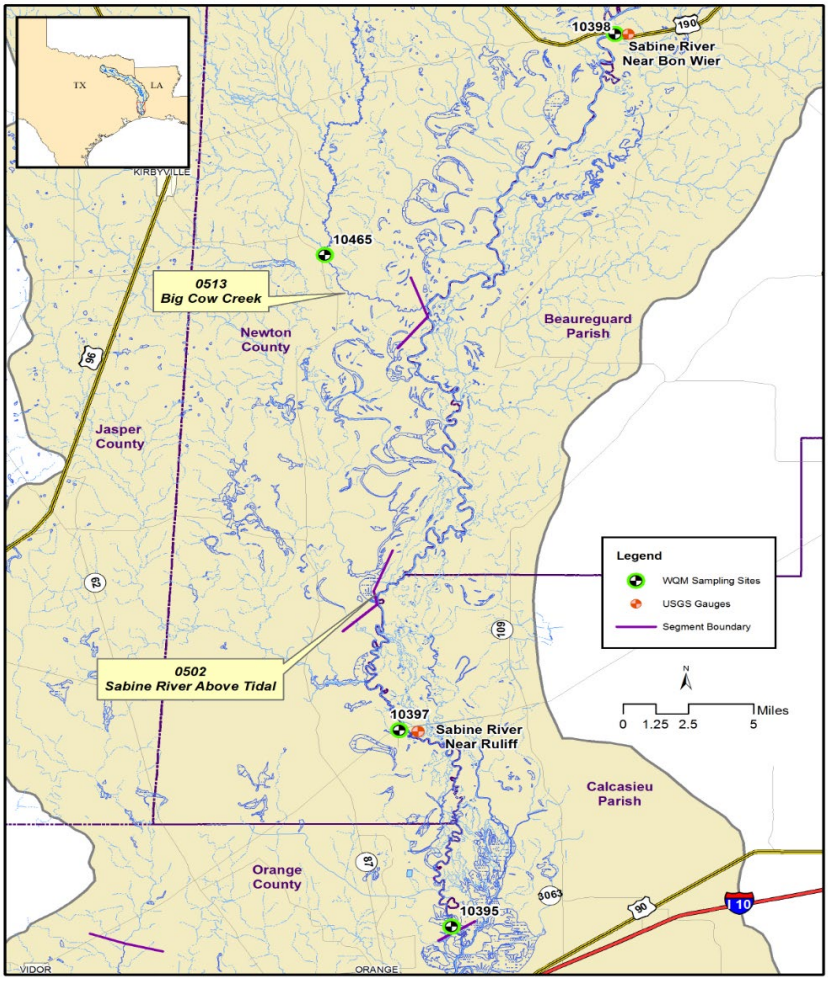
Segment 0502 USGS Recorded Flows

Date and Time	Station	USGS Station #	Location	Flow (cfs)
10/23/24 08:14	10397(SR2)	08030500	Sabine River near Ruliff, TX	657

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
10/23/24 08:14	10397 (SR2)	0.3	20.9	7.2	8.3	92	220	141	0.22	25.9	16
Segment 0513											
10/23/24 09:29	10465 (BCC1)	0.3	17.8	6.5	8.7	91	35	23	0.48	8.85	30

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.

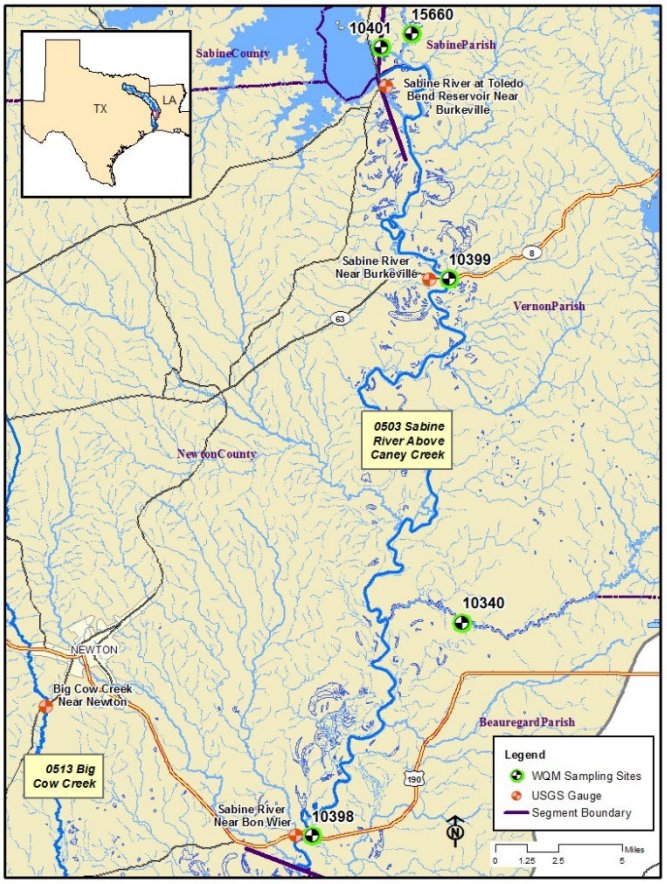
Segment 0503 USGS Recorded Flows

Date and Time	Station	USGS Station #	Location	Flow (cfs)
10/23/24 11:36	10398(SR3)	08028500	Sabine River near Bon Wier, TX	514
10/23/24 10:31	10399(SR5)	08026000	Sabine River near Burkeville, TX	266

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
10/23/24 11:36	10398 (SR3)	0.3	22.1	7.4	8.7	99	209	134	0.40	11.7	10
10/23/24 11:13	10340 (BA4)	0.3	20.4	7.3	7.3	81	563	360	0.52	6.38	16
10/23/24 10:31	10399 (SR5)	0.3	21.5	7.4	9.2	104	112	71	0.44	10.4	1
10/21/24 12:36	10401 (TB6S)	0.3	24.3	7.5	8.9	105	112	71	1.1	2.30	1
10/21/24 12:16	15660 (BT1)	0.3	18.2	7.2	8.6	91	84	54	0.57	11.5	79

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	*E.coli* mpn/100mL
10/22/24 15:08	10404 (TB6A)	0.3	24.1	7.1	7.3	88	114	73	1.0	2.30	1
		1.0	23.5	7.0	5.2	61	113	72			
		2.0	23.5	7.0	5.0	58	113	72			
		3.0	23.4	7.0	5.2	61	112	72			
		4.0	23.4	7.0	5.4	62	112	72			
		5.0	23.3	7.0	5.4	63	113	72			
		8.0	23.2	7.0	5.4	63	112	72			
		11.0	23.0	7.0	5.3	61	113	72			
		14.0	22.5	7.0	4.4	54	115	73			
		17.0	21.4	6.8	<0.1	<1	166	107			
		20.0	20.9	6.8	<0.1	<1	164	105			
		23.0	19.7	6.9	<0.1	<1	336	215			
		25.0	20.2	7.0	<0.1	<1	178	120			
10/22/24 07:58	10406 (TB6C)	0.3	21.9	8.1	9.7	110	108	70	0.86	3.95	1
		1.0	22.0	8.1	9.6	109	108	69			
		2.0	22.2	8.0	9.5	108	108	69			
10/22/24 13:51	18054 (TB6Q)	0.3	24.6	7.9	8.9	106	110	71	0.95	2.77	1
		1.0	24.5	8.0	9.0	107	110	70			
		2.0	23.6	7.9	8.8	102	110	70			
		3.0	23.2	7.7	8.4	97	111	71			
		4.0	23.0	7.6	8.2	94	111	71			
		5.0	22.8	7.5	7.8	89	110	71			
		6.0	22.7	7.4	7.5	86	111	71			
		7.0	22.7	7.3	7.3	83	111	71			
		8.0	22.6	7.2	6.2	62	112	72			

Segment 0504 Water Quality Continued

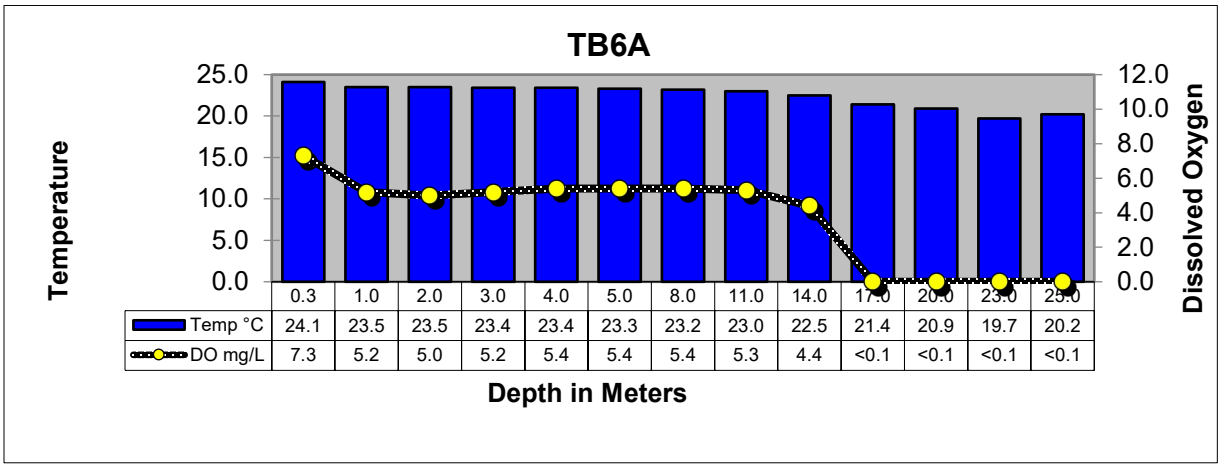
Date and Time	Station	Depth meters	Temp °C	pH SU	DO mg/L	% Sat	Cond µS/cm	TDS mg/L	Secchi meters	Turbidity NTU	*E.coli* mpn/100mL
10/21/24 10:23	10411 (TB6F)	0.3	19.6	8.0	9.8	106	105	67	0.57	5.13	<1
		1.0	20.2	8.0	9.6	105	105	67			
		2.0	20.6	7.8	9.3	103	103	66			
		3.0	20.8	7.5	8.0	89	98	62			
		4.0	20.8	7.1	5.7	63	96	61			
10/22/24 11:16	10402 (TB6H)	0.3	22.3	7.8	9.2	106	116	74	1.0	2.86	<1
		1.0	22.2	7.4	8.2	98	116	74			
		2.0	22.2	7.1	6.5	74	116	74			
		3.0	22.2	7.1	6.4	72	116	74			
		4.0	22.2	7.1	6.4	72	116	74			
		5.0	22.2	7.1	6.2	72	116	74			
		8.0	22.1	7.1	6.2	71	116	74			
		11.0	22.1	7.0	6.2	70	116	75			
		14.0	22.1	7.0	5.7	65	117	75			
		17.0	22.1	7.0	5.2	59	119	76			
		18.0	22.1	7.1	5.1	58	119	76			
10/21/24 10:53	15659 (TB6K)	0.3	21.2	7.6	8.3	93	111	71	0.49	6.30	2
		1.0	21.3	7.5	7.8	87	111	71			
		2.0	21.3	7.4	7.8	87	110	71			
		3.0	21.3	7.4	7.7	86	110	71			
		4.0	21.1	7.2	6.8	76	113	73			
		5.0	20.8	7.1	6.2	66	114	73			
		6.0	20.7	7.0	5.8	63	115	73			
		7.0	20.5	7.0	5.4	59	116	74			
		8.0	20.4	6.9	5.2	57	117	75			
10/21/24 09:46	15655 (TB6J)	0.3	20.6	8.9	11.0	122	123	79	0.40	5.68	<1
		1.0	21.0	8.8	10.8	120	123	79			
		2.0	20.9	8.2	8.9	98	125	80			
		3.0	20.4	7.9	7.8	94	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	*E.coli* mpn/100mL
10/22/24 12.46	18053 (TB6LN)	0.3	24.4	8.6	9.8	117	112	71	0.70	3.56	<1
		1.0	24.0	8.6	10.0	117	111	72			
		2.0	23.0	8.5	9.7	112	112	72			
		3.0	22.5	8.2	9.2	105	113	72			
		4.0	22.1	7.7	6.7	74	113	72			
10/22/24 10:11	18052 (TB6R)										

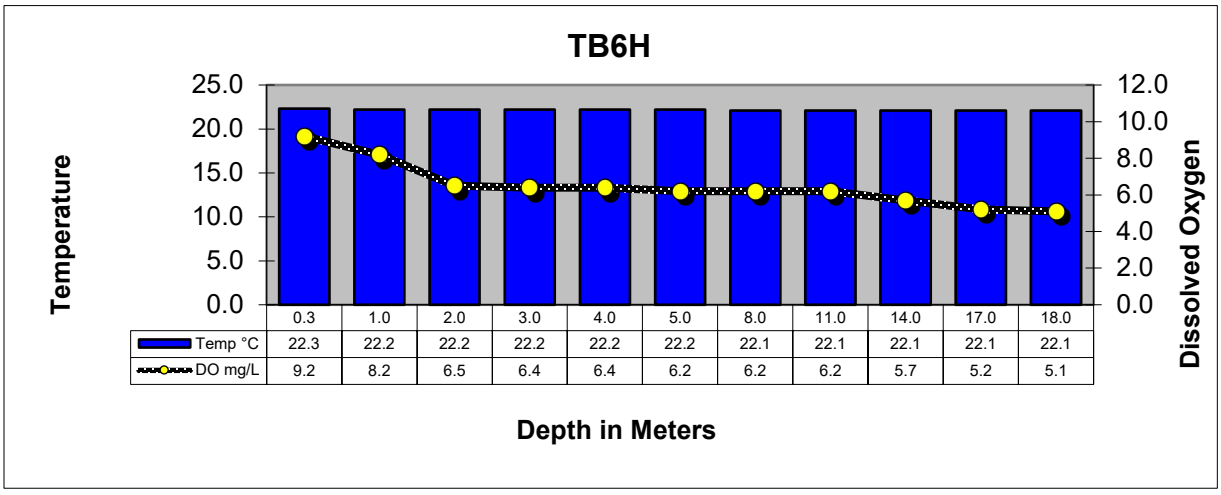
No samples or water quality taken at this site.
Unable to launch boat due to shallow water.

Toledo Bend Reservoir Profiles



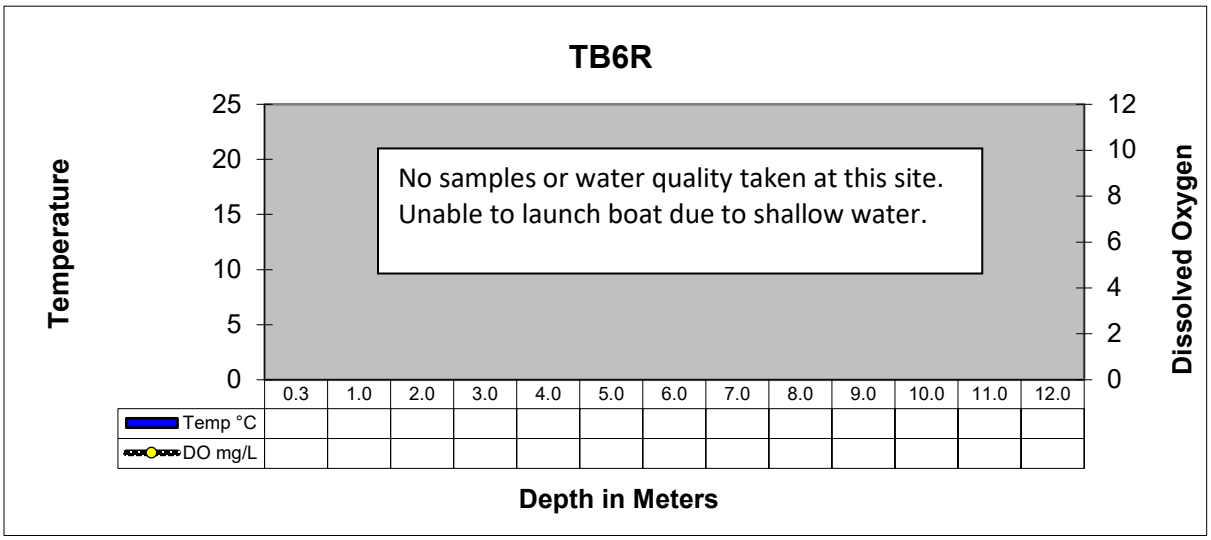
	0.3	1.0	2.0	3.0	4.0	5.0	8.0	11.0	14.0	17.0	20.0	23.0	25.0
Temp °C	24.1	23.5	23.5	23.4	23.4	23.3	23.2	23.0	22.5	21.4	20.9	19.7	20.2
DO mg/L	7.3	5.2	5.0	5.2	5.4	5.4	5.4	5.3	4.4	<0.1	<0.1	<0.1	<0.1

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



	0.3	1.0	2.0	3.0	4.0	5.0	8.0	11.0	14.0	17.0	18.0
Temp °C	22.3	22.2	22.2	22.2	22.2	22.2	22.1	22.1	22.1	22.1	22.1
DO mg/L	9.2	8.2	6.5	6.4	6.4	6.2	6.2	6.2	5.7	5.2	5.1

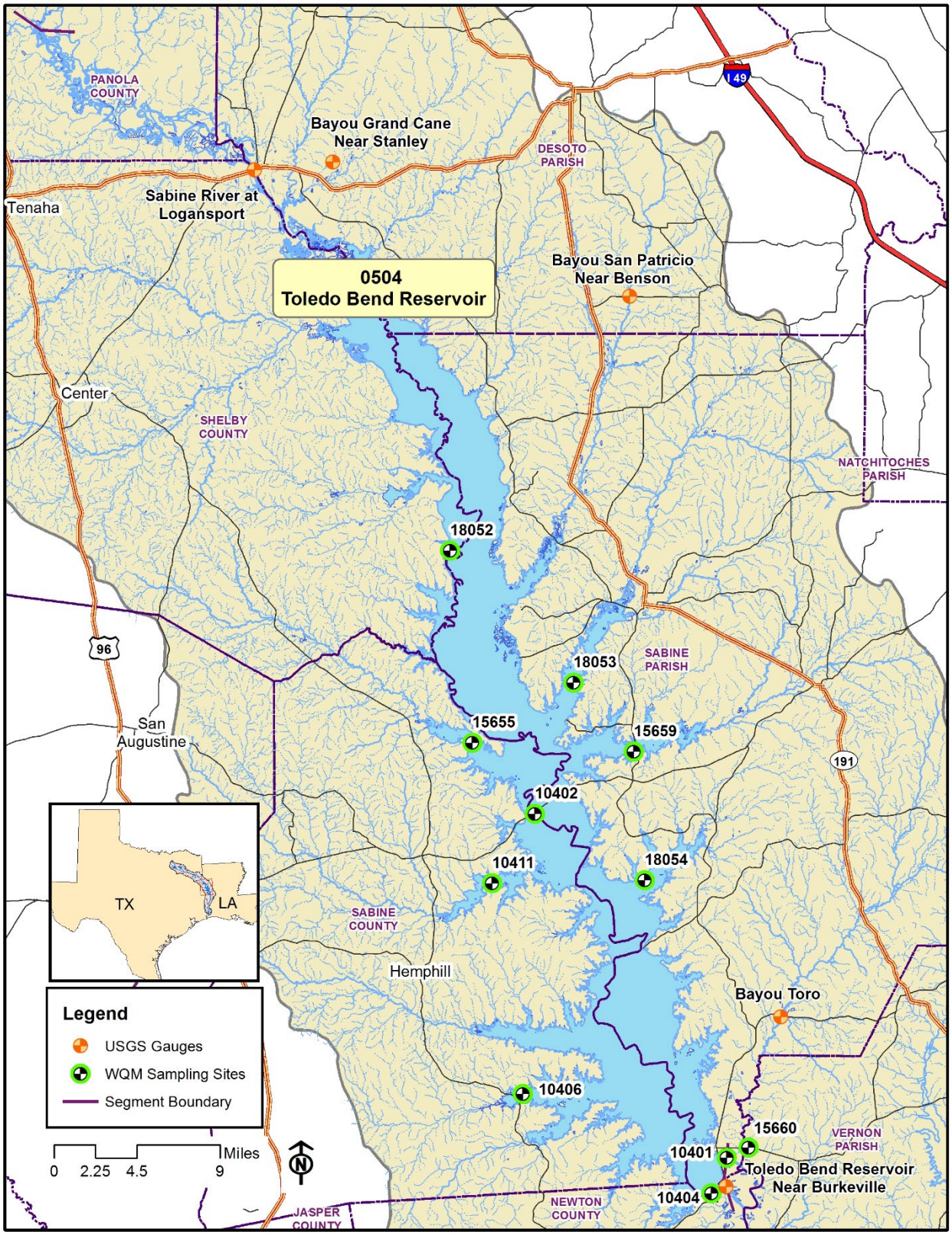
TOLEDO BEND RESERVOIR AT SH 21 NORTHEAST OF MILAM



	0.3	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0
Temp °C													
DO mg/L													

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.

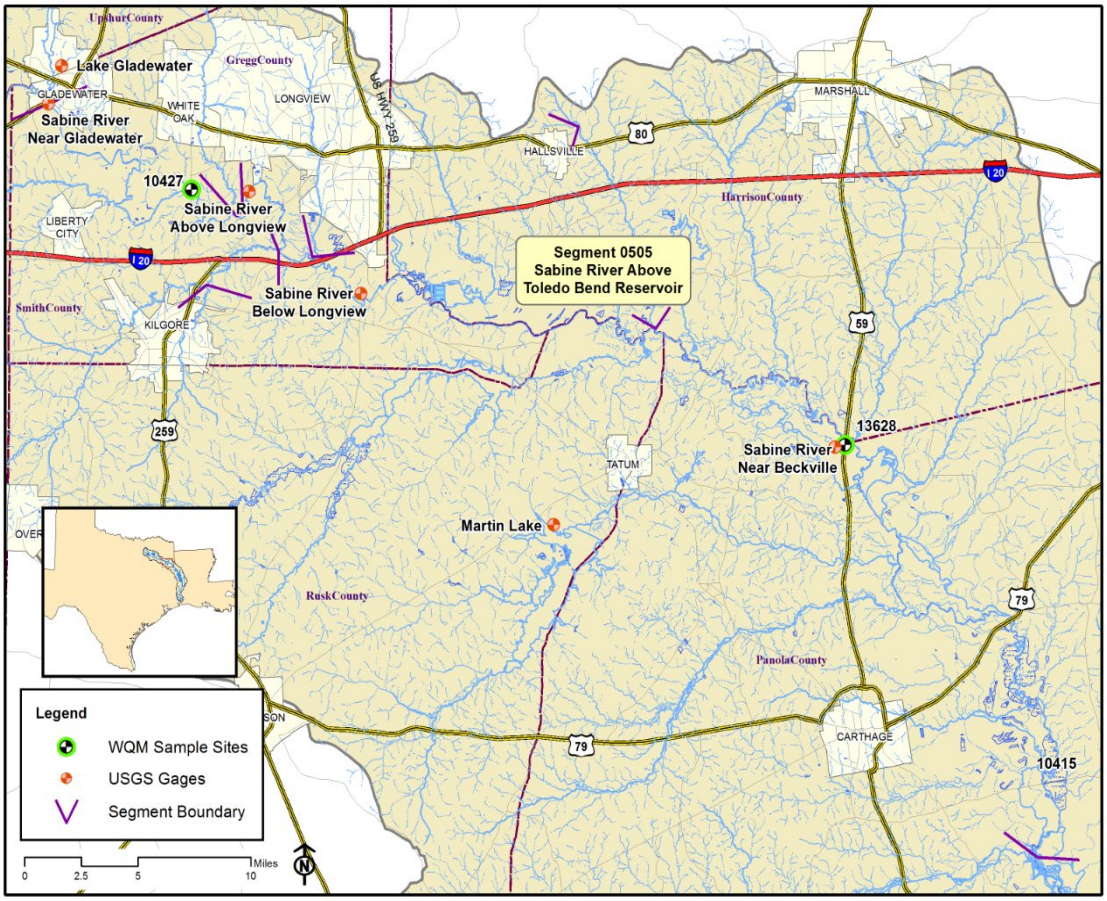
Segment 0505 USGS Recorded Flows

Date and Time	Station	USGS Station #	Location	Flow (cfs)
10/23/24 09:53	13628(SR11)	08022040	Sabine River near Beckville, TX	107
10/23/24 08:52	10423(SR14)	08020990	Sabine River near Longview, TX	111

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**
10/23/24 10:21	10415(SR10)	0.3	19.7	8.2	10.3	114	629	402	0.18	33.7	5
10/23/24 09:53	13628(SR11)	0.3	19.6	7.8	8.7	96	717	459	0.25	24.4	13
10/23/24 08:52	10427(SR16)	0.3	18.6	7.4	8.5	92	350	224	0.17	45.3	21
10/23/24 08:27	10423(SR14)	0.3	18.4	7.2	8.2	88	246	157	0.26	37.2	4

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)
10/23/24 07:58	10428(SR17)	08020000	Sabine River near Gladewater, TX	104
10/22/24 16:24	10429(SR19)	08019200	Sabine River near Hawkins, TX	85
10/22/24 15:32	10430(SR21)	08018500	Sabine River near Mineola, TX	11
Segment 0514				
10/22/24 16:46	10468(BS1)	08019500	Big Sandy Creek near Big Sandy, TX	14

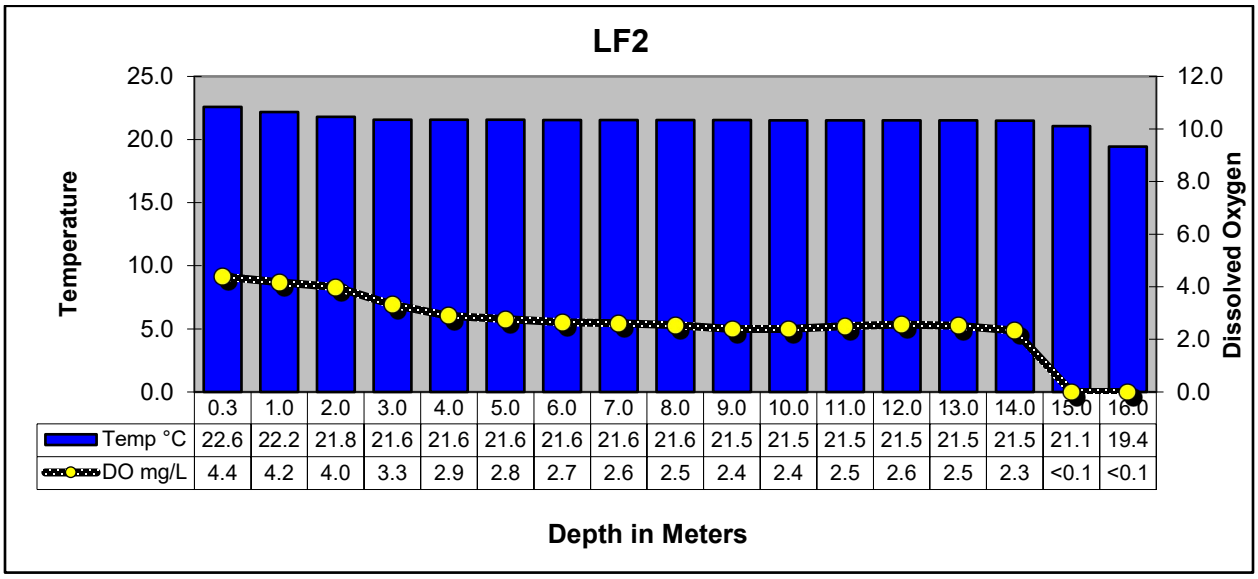
Segment 0506 Water Quality

Date and Time	**Station**	**Depth meters**	**Temp ˚C**	**pH SU**	**DO mg/L**	**% Sat**	**Cond µS/cm**	**TDS mg/L**	**Secchi meters**	**Turbidity NTU**	***E. coli* mpn/100mL**
10/23/24 07:58	10428(SR17)	0.3	18.1	7.6	8.8	94	244	156	0.22	35.6	12
10/22/24 16:24	10429(SR19)	0.3	18.4	7.9	9.9	106	219	140	0.20	40.0	15
10/22/24 15:32	10430(SR21)	0.3	16.4	7.8	8.8	86	567	363	0.25	23.7	36
Segment 0514											
10/22/24 16:46	10468(BS1)	0.3	16.6	7.3	9.1	101	104	66	0.93	9.30	155
Segment 0515											
10/22/24 16:02	10469(LF20)	0.3	17.8	7.7	8.8	93	170	109	0.21	28.0	79

Segment 0506 Water Quality Continued

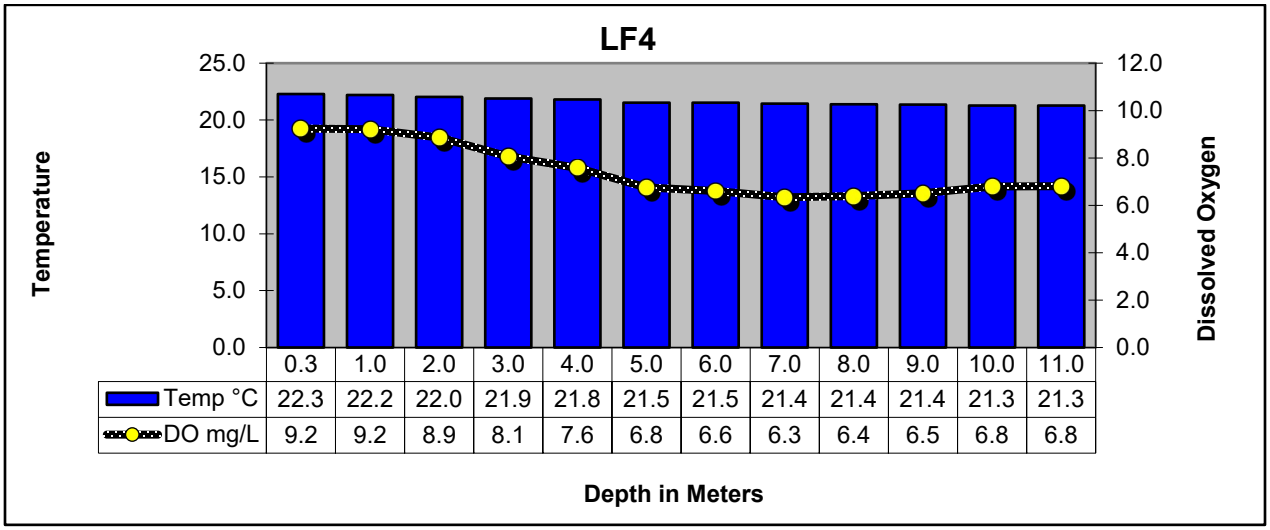
Date and Time	Station	Depth meters	Temp ˚C	pH SU	DO mg/L	% Sat	Cond µS/cm	TDS mg/L	Secchi meters	Turbidity NTU	*E. coli* mpn/100mL
Segment 0512											
10/22/24 14:23	10458(LF2)	0.3	22.6	7.3	4.4	51	171	109	1.1	2.81	<1
		1.0	22.2	7.3	4.2	49	171	109			
		2.0	21.8	7.2	4.0	46	170	109			
		3.0	21.6	7.2	3.3	38	172	109			
		4.0	21.6	7.2	2.9	33	170	109			
		5.0	21.6	7.2	2.8	31	184	111			
		6.0	21.6	7.2	2.7	30	170	109			
		7.0	21.6	7.2	2.6	29	170	109			
		8.0	21.6	7.1	2.5	29	170	109			
		9.0	21.5	7.1	2.4	27	171	109			
		10.0	21.5	7.1	2.4	27	170	109			
		11.0	21.5	7.1	2.5	28	170	109			
		12.0	21.5	7.1	2.6	29	170	109			
		13.0	21.5	7.1	2.5	28	170	109			
		14.0	21.5	7.2	2.3	28	170	109			
		15.0	21.1	7.1	<0.1	<1	212	135			
		16.0	19.4	7.0	<0.1	<1	244	157			
10/22/24 13:19	10462(LF4)	0.3	22.3	8.4	9.2	106	168	107	0.50	5.51	1
		1.0	22.2	8.4	9.2	106	168	107			
		2.0	22.0	8.2	8.9	101	168	107			
		3.0	21.9	7.9	8.1	92	168	107			
		4.0	21.8	7.7	7.6	86	168	107			
		5.0	21.5	7.5	6.8	77	168	107			
		6.0	21.5	7.4	6.6	75	168	108			
		7.0	21.4	7.3	6.3	72	168	107			
		8.0	21.4	7.3	6.4	73	169	107			
		9.0	21.4	7.3	6.5	74	169	107			
		10.0	21.3	7.3	6.8	77	168	107			
		11.0	21.3	7.3	6.8	76	168	108			
10/22/24 13:48	10461(LF3)	0.3	22.5	8.8	10.3	120	169	108	0.51	4.57	<1
		1.0	22.3	8.8	10.1	117	169	108			
		2.0	21.8	8.5	9.1	104	169	108			
		3.0	21.4	8.0	8.4	92	168	108			
		4.0	21.3	7.9	8.0	91	169	108			
		5.0	21.1	7.7	7.8	87	169	108			
		6.0	20.9	7.6	7.5	83	170	109			
		7.0	20.6	7.4	5.8	64	171	109			
		8.0	20.6	7.2	5.3	58	171	109			
		9.0	20.6	7.1	5.1	57	171	109			

Lake Fork Reservoir Profiles



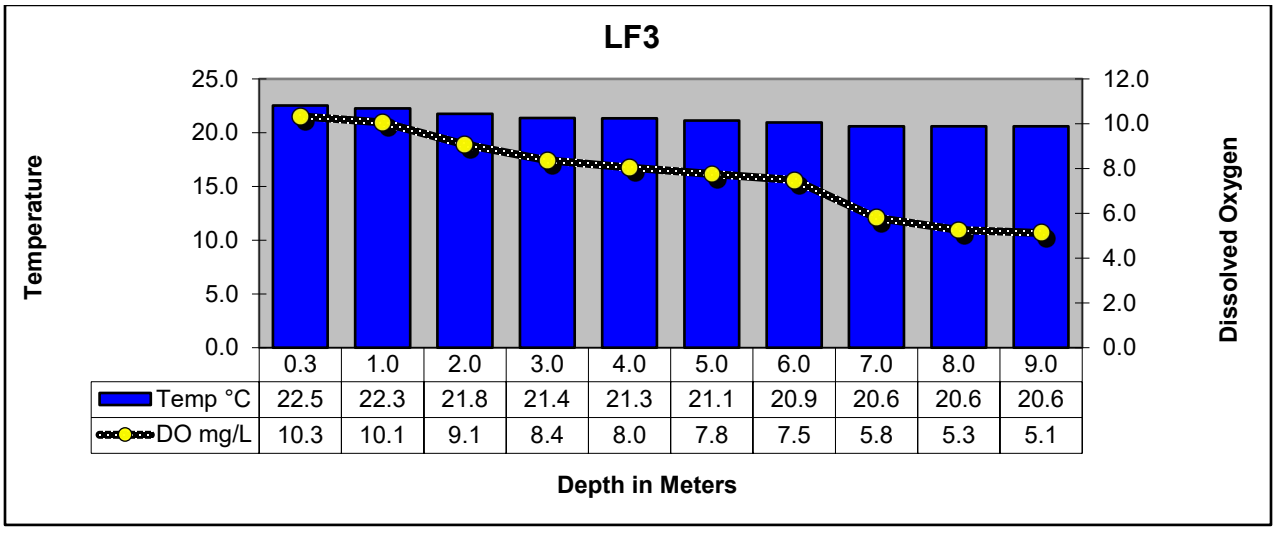
	0.3	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
Temp °C	22.6	22.2	21.8	21.6	21.6	21.6	21.6	21.6	21.6	21.5	21.5	21.5	21.5	21.5	21.5	21.1	19.4
DO mg/L	4.4	4.2	4.0	3.3	2.9	2.8	2.7	2.6	2.5	2.4	2.4	2.5	2.6	2.5	2.3	<0.1	<0.1

LAKE FORK RESERVOIR NEAR DAM IN CREEK CHANNEL



	0.3	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0
Temp °C	22.3	22.2	22.0	21.9	21.8	21.5	21.5	21.4	21.4	21.4	21.3	21.3
DO mg/L	9.2	9.2	8.9	8.1	7.6	6.8	6.6	6.3	6.4	6.5	6.8	6.8

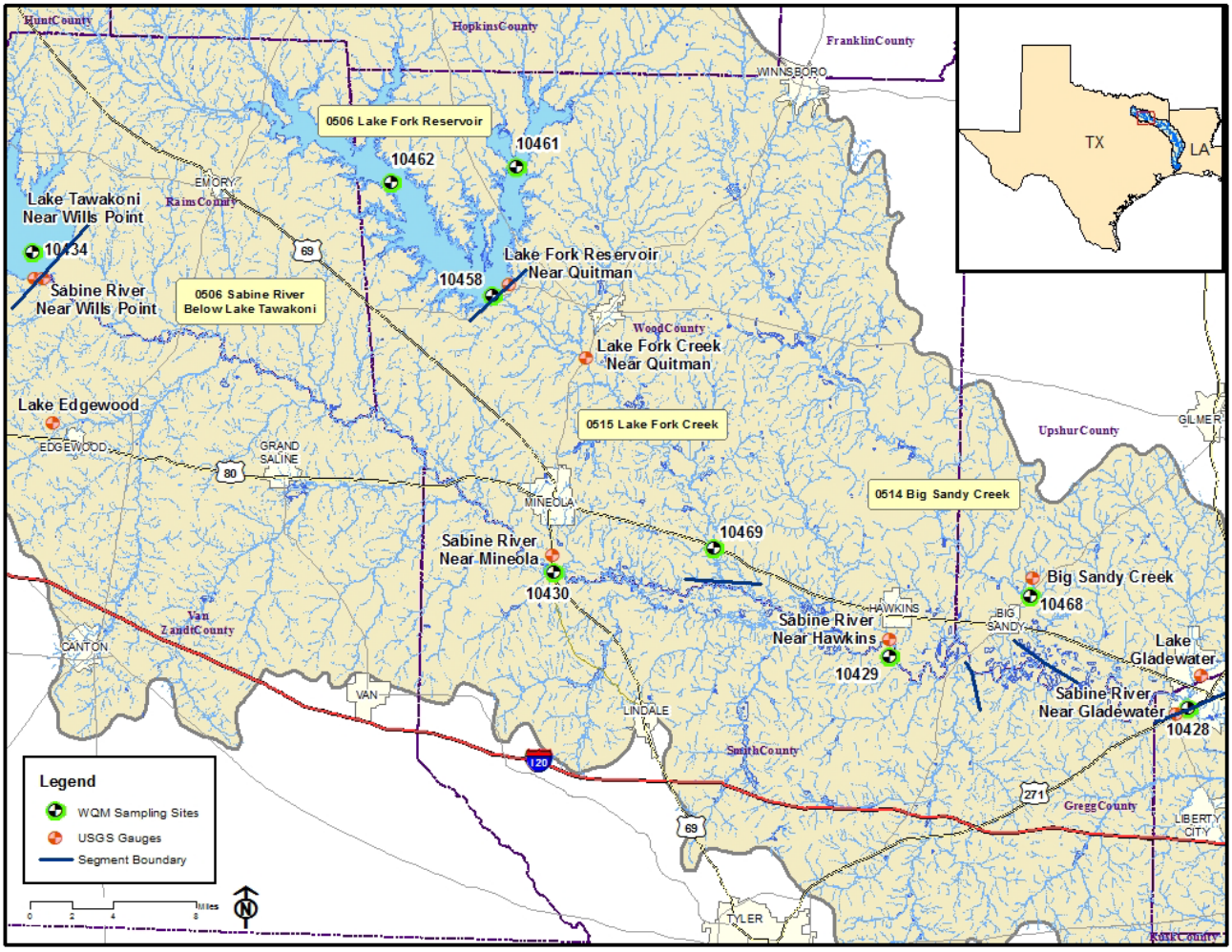
LAKE FORK RESERVOIR MID-COVE IN LAKE FORK CREEK ARM AT FM515



	0.3	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Temp °C	22.5	22.3	21.8	21.4	21.3	21.1	20.9	20.6	20.6	20.6
DO mg/L	10.3	10.1	9.1	8.4	8.0	7.8	7.5	5.8	5.3	5.1

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

Segments 0506, 0512, 0514 & 0515



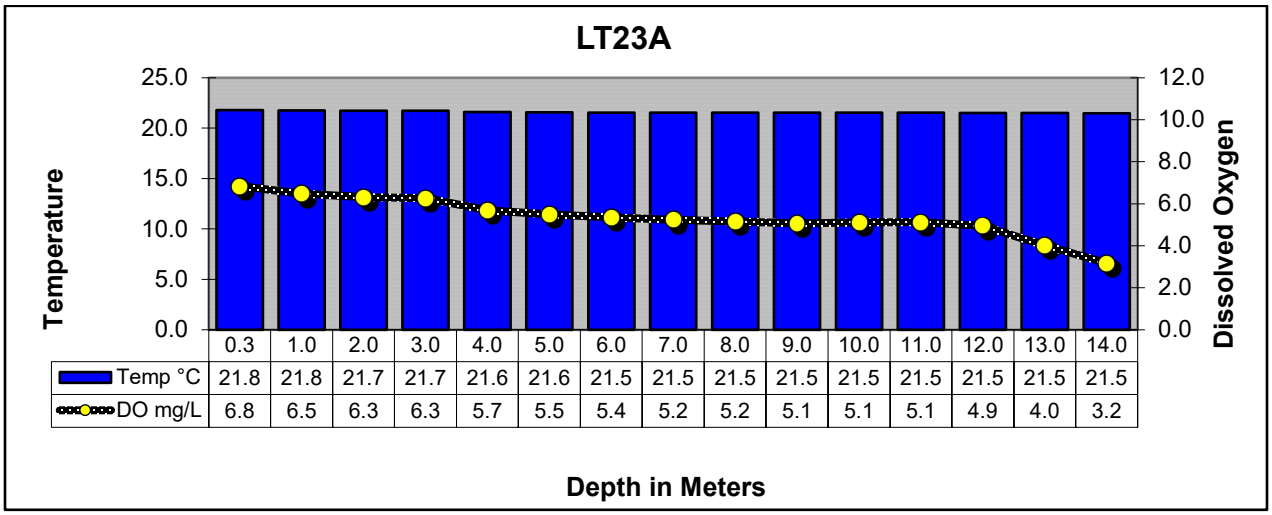
Segment 0507 - Lake Tawakoni

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

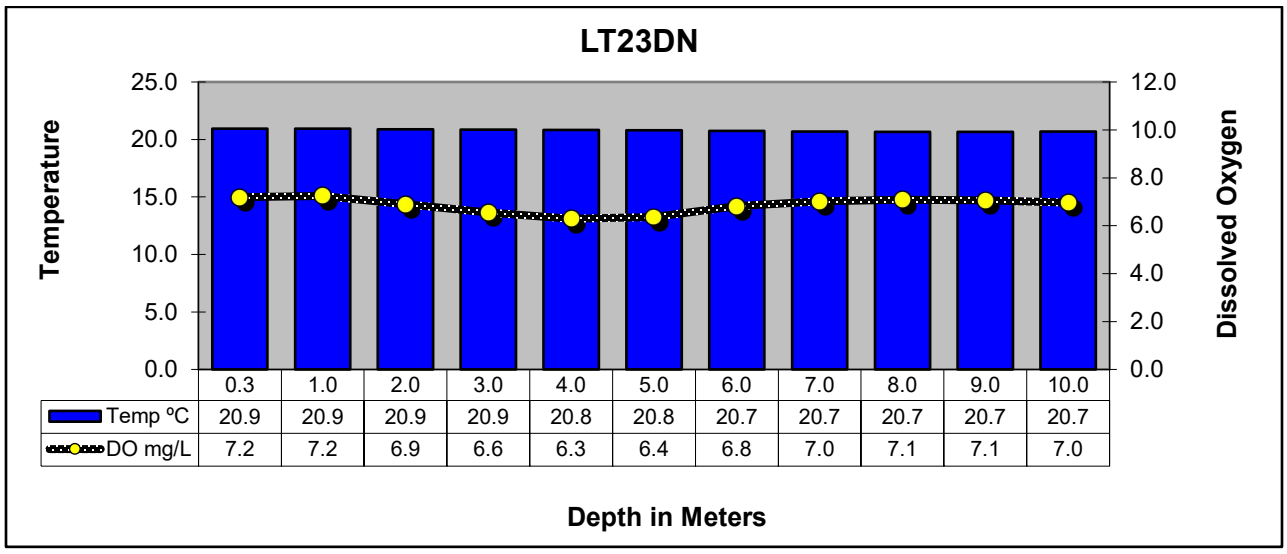
Date and Time	Station	Depth meters	Temp °C	pH SU	DO mg/L	% Sat	Cond µS/cm	TDS mg/L	Secchi meters	Turbidity NTU	*E. coli* mpn/100mL
10/22/24 12:05	10434(LT23A)	0.3	21.8	7.8	6.8	75	211	135	0.85	5.24	5
		1.0	21.8	7.8	6.5	73	211	135			
		2.0	21.7	7.7	6.3	72	211	135			
		3.0	21.7	7.7	6.3	71	211	135			
		4.0	21.6	7.7	5.7	65	211	135			
		5.0	21.6	7.6	5.5	62	211	135			
		6.0	21.5	7.6	5.4	61	211	135			
		7.0	21.5	7.6	5.2	59	211	135			
		8.0	21.5	7.5	5.2	58	211	135			
		9.0	21.5	7.5	5.1	58	211	135			
		10.0	21.5	7.5	5.1	58	211	135			
		11.0	21.5	7.5	5.1	58	211	135			
		12.0	21.5	7.4	4.9	56	211	135			
		13.0	21.5	7.3	4.0	44	212	136			
		14.0	21.5	7.2	3.2	35	213	136			
10/22/24 10:42	21173(LT23DN)	0.3	20.9	8.1	7.2	81	211	135	0.60	9.38	<1
		1.0	20.9	8.3	7.2	81	211	135			
		2.0	20.9	8.2	6.9	77	211	135			
		3.0	20.9	8.1	6.6	73	212	135			
		4.0	20.8	8.0	6.3	70	212	135			
		5.0	20.8	8.0	6.4	72	211	135			
		6.0	20.7	8.1	6.8	76	211	135			
		7.0	20.7	8.2	7.0	79	211	135			
		8.0	20.7	8.2	7.1	79	211	135			
		9.0	20.7	8.1	7.1	79	211	135			
		10.0	20.7	8.1	7.0	78	213	136			
10/22/24 10:12	10437(LT23B)	0.3	21.4	8.6	9.5	108	209	134	0.65	5.90	<1
		1.0	21.4	8.7	9.5	108	209	134			
		2.0	21.4	8.7	9.5	108	209	134			
		3.0	21.4	8.6	9.1	102	210	134			
		4.0	21.3	8.5	9.1	104	210	134			
		5.0	21.3	8.5	9.2	104	209	134			
		6.0	21.2	8.6	9.2	104	209	133			
		7.0	21.2	8.5	9.2	104	209	133			
		8.0	21.1	8.3	8.0	90	210	134			
		9.0	20.2	7.6	1.2	11	221	138			

Lake Tawakoni Reservoir Profiles



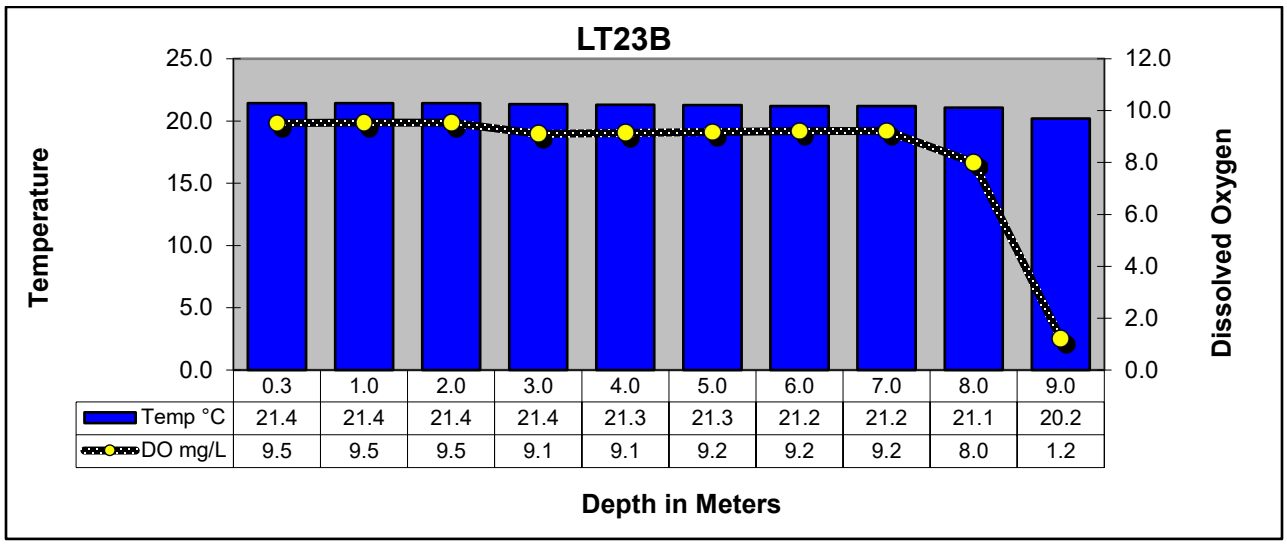
	0.3	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0
Temp °C	21.8	21.8	21.7	21.7	21.6	21.6	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
DO mg/L	6.8	6.5	6.3	6.3	5.7	5.5	5.4	5.2	5.2	5.1	5.1	5.1	4.9	4.0	3.2

LAKE TAWAKONI IN THE MAIN LAKE NEAR THE DAM



	0.3	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
Temp ºC	20.9	20.9	20.9	20.9	20.8	20.8	20.7	20.7	20.7	20.7	20.7
DO mg/L	7.2	7.2	6.9	6.6	6.3	6.4	6.8	7.0	7.1	7.1	7.0

LAKE TAWAKONI IN WACO BAY EQUIDISTANT FROM FINGER AND SPRING POINTS



	0.3	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Temp °C	21.4	21.4	21.4	21.4	21.3	21.3	21.2	21.2	21.1	20.2
DO mg/L	9.5	9.5	9.5	9.1	9.1	9.2	9.2	9.2	8.0	1.2

LAKE TAWAKONI AT SH276

Segment 0507