

SABINE RIVER AUTHORITY OF TEXAS

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

The Environmental Services Field Offices conducted water quality monitoring in the Sabine Basin from September 27th through the 30th. 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](#).

Sabine Basin Tidal (Including Tributaries)

Weather – Air temperatures in the tidal basin were variable with highs in the upper 70s to upper 80s. Low temperatures were in the upper 50s to upper 60s. The tidal stations received 2.92 inches of rainfall in the seven days prior to the sampling event.

Tidal Conditions – Surface salinity values were greater than 1 ppt at five of the seven tidal stations. The highest salinity value of 8.3 ppt was recorded at station 10391(SRT1) at a depth of 11.0 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 80s and low temperatures in the 60s. Toledo Bend received 0.32 inches of rainfall during the seven days prior to the sampling event.

Lake Level - The level of Toledo Bend was 168.03 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 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 80s to low 90s. Low temperatures were in the upper 40s to low 70s. Lake Fork and Lake Tawakoni received no rainfall during the seven days prior to sampling.

Lake Level - The level of Lake Tawakoni was 436.55 feet msl with a release of 6 cfs on the day of sampling. The level of Lake Fork was 401.19 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 Fork and Lake Tawakoni indicated 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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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

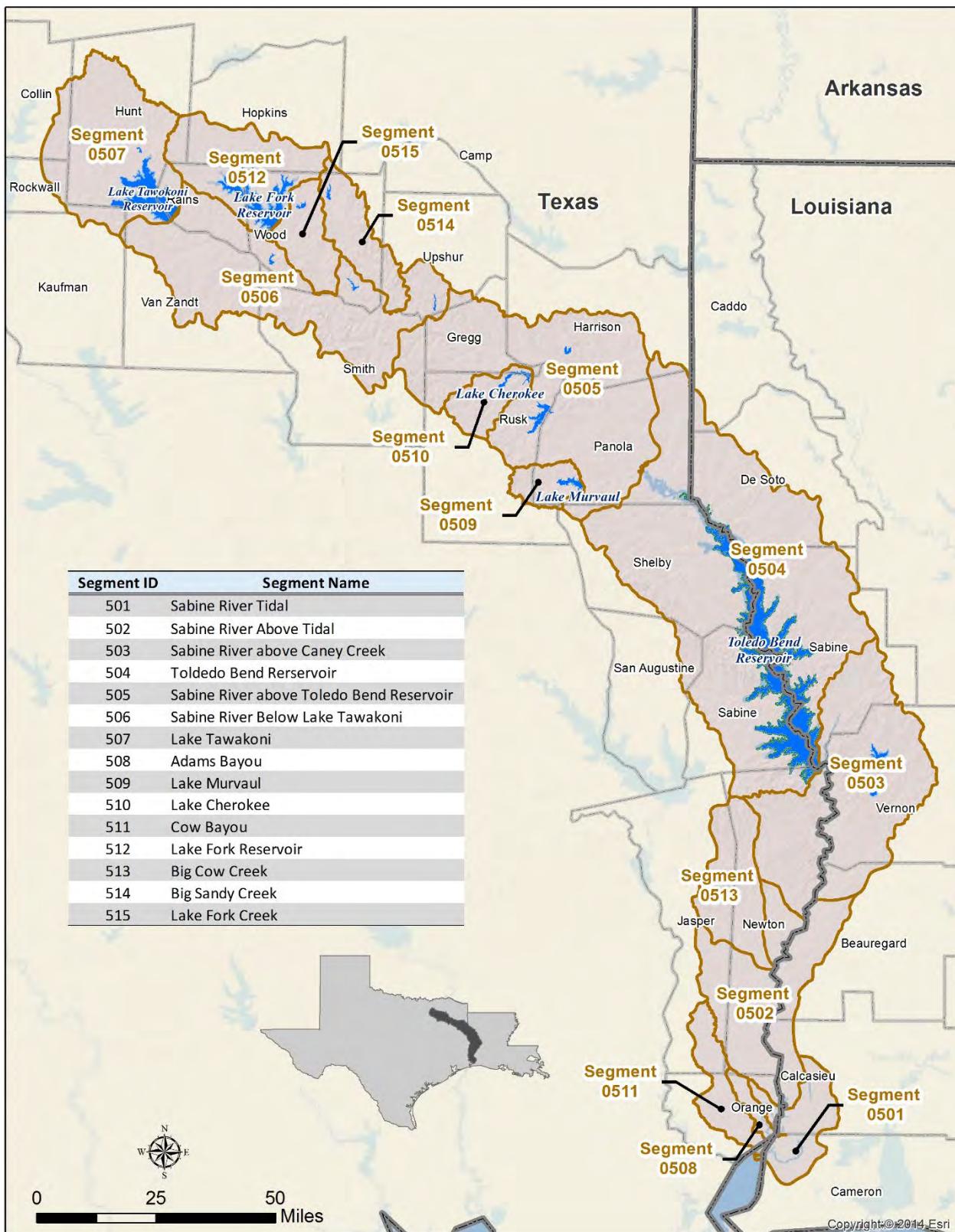
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Sabine Basin Map



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
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.

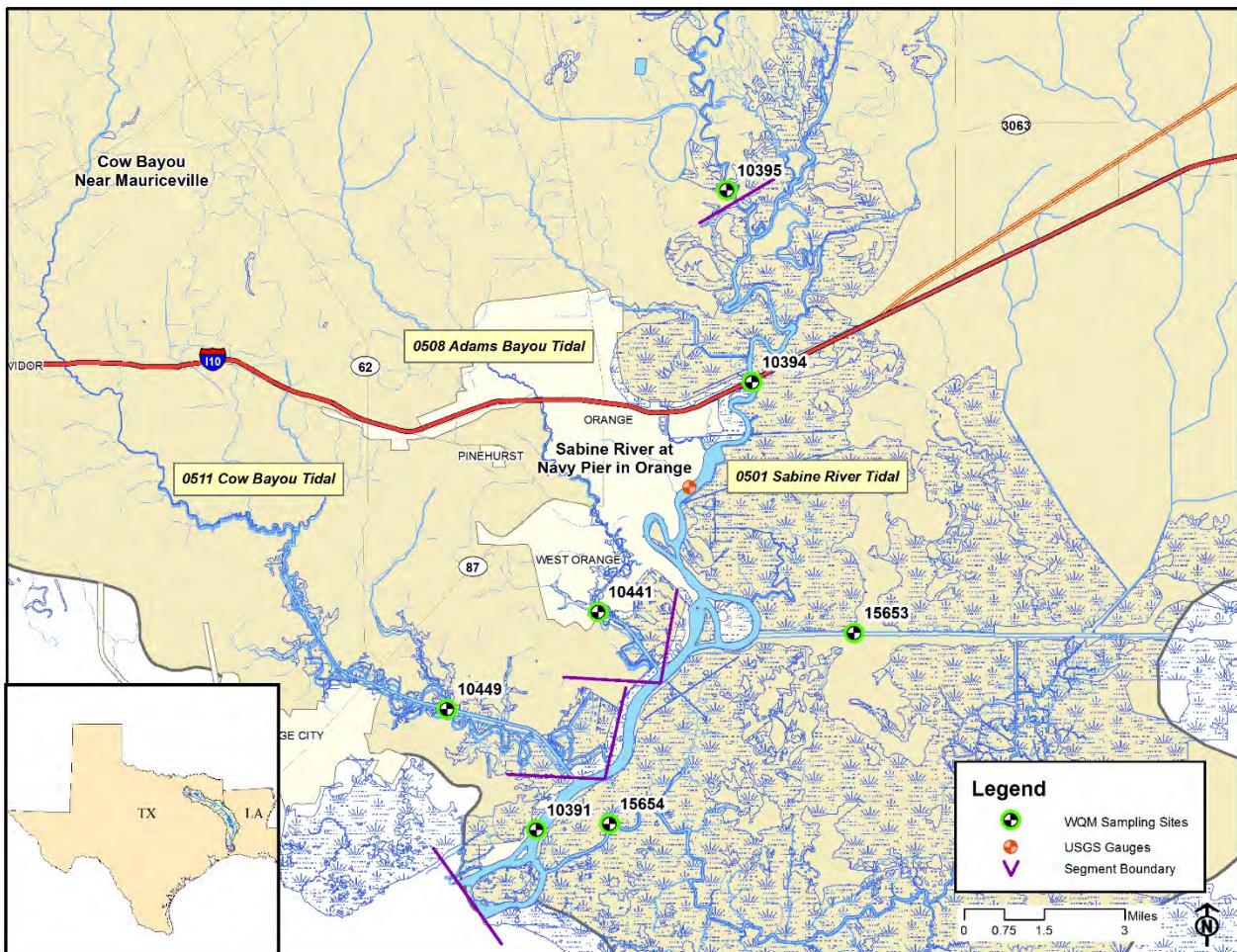
Segment 0508 – Adams Bayou Tidal. The segment reaches from the confluence with the Sabine River in Orange County to a point 1.1 kilometers (0.7 miles) upstream of IH-10 in Orange County.

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 μS/cm	Cond mg/L	TDS ppt	Salinity meters	Secchi NTU	Turbidity mpn/ 100mL
9/30/21 09:50	10391(SRT1)	0.3	26.7	6.9	5.4	68	6,070	3,880	3.4	0.64	10.6
		3.0	26.6	7.0	5.4	68	7,060	4,600	4.0		
		6.0	26.7	7.1	5.9	75	10,100	6,480	5.7		
		9.0	26.8	7.3	6.0	79	13,400	8,600	7.8		
		11.0	26.8	7.2	0.8	10	14,300	9,130	8.3		
9/30/21 09:37	15654(BB1)	0.3	26.5	7.0	5.9	75	8,780	5,630	5.0	0.80	9.03
		2.0	26.5	7.0	5.8	75	8,870	5,670	5.0		
		4.0	26.5	7.0	5.8	75	8,890	5,700	5.0		
Segment 0511											
9/30/21 09:18	10449(CB1)	0.3	26.4	6.7	4.5	57	4,120	26,500	2.2	0.60	11.6
		2.5	26.4	6.7	4.4	56	5,270	3,370	2.9		
		5.0	26.4	6.7	4.4	55	5,360	3,430	3.0		
Segment 0508											
9/30/21 10:10	10441(AB2)	0.3	26.5	6.8	4.0	51	1,800	1,150	1.0	0.40	24.3
		2.5	26.3	6.8	4.2	52	3,630	2,330	2.0		
		5.0	26.4	6.8	3.8	49	4,390	2,810	2.4		
9/30/21 10:32	15653(ICW1)	0.3	26.2	6.8	5.2	65	5,940	3,800	3.3	0.50	16.6
		3.0	26.0	6.8	5.1	64	6,060	3,880	3.4		
		6.0	26.0	6.8	4.9	62	6,170	3,950	3.4		
9/30/21 12:03	10394(SRT2)	0.3	24.8	6.6	5.7	69	108	69	<0.1	0.23	53.8
		2.5	24.4	6.6	5.6	66	108	69	<0.1		
		5.0	24.3	6.6	5.6	66	107	69	<0.1		
		7.5	24.3	6.7	5.5	66	108	69	<0.1		
		10.0	24.5	6.8	5.4	65	109	71	<0.1		
9/30/21 12:44	10395(SR1)	0.3	24.1	6.6	5.9	70	101	65	<0.1	0.29	71.7
											697

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.

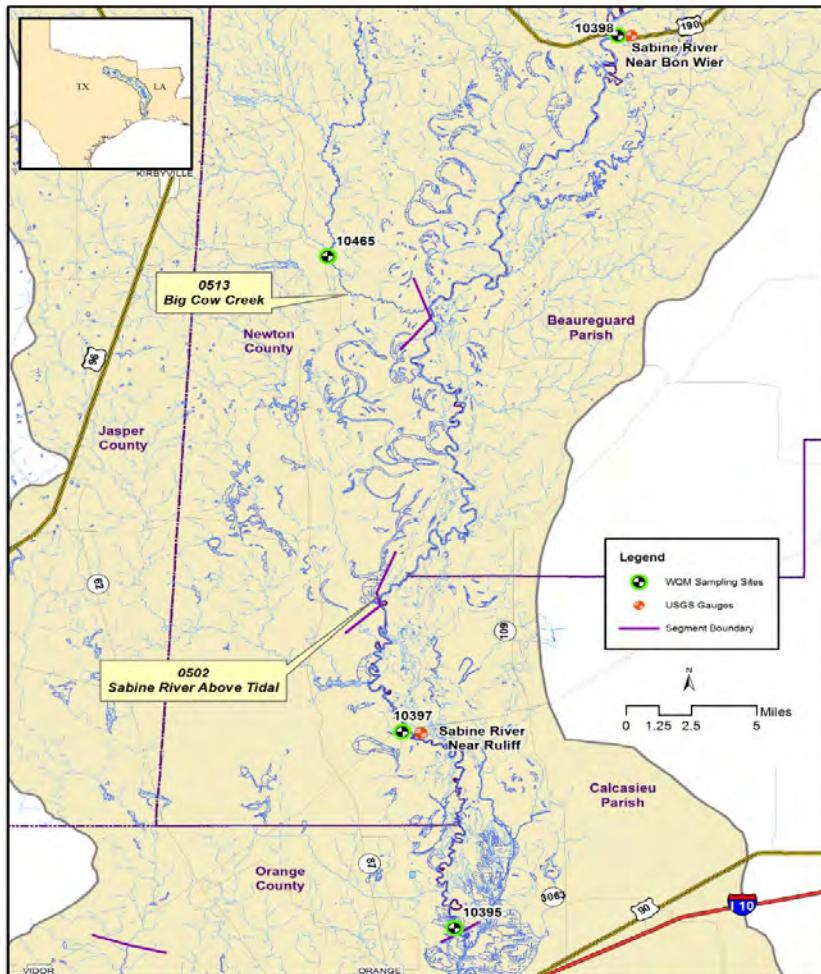
Segment 0502 USGS Recorded Flows

Date and Time	Station	USGS Station #	Location	Flow (cfs)
9/29/21 08:04	10397(SR2)	08030500	Sabine River near Ruliff, TX	6,740

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
9/29/21 08:04	10397(SR2)	0.3	23.1	6.3	6.6	78	67	43	0.09	138	>2,420
Segment 0513											
9/29/21 09:18	10465(BCC1)	0.3	21.8	6.1	7.6	88	32	20	0.26	29.7	2,420

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.

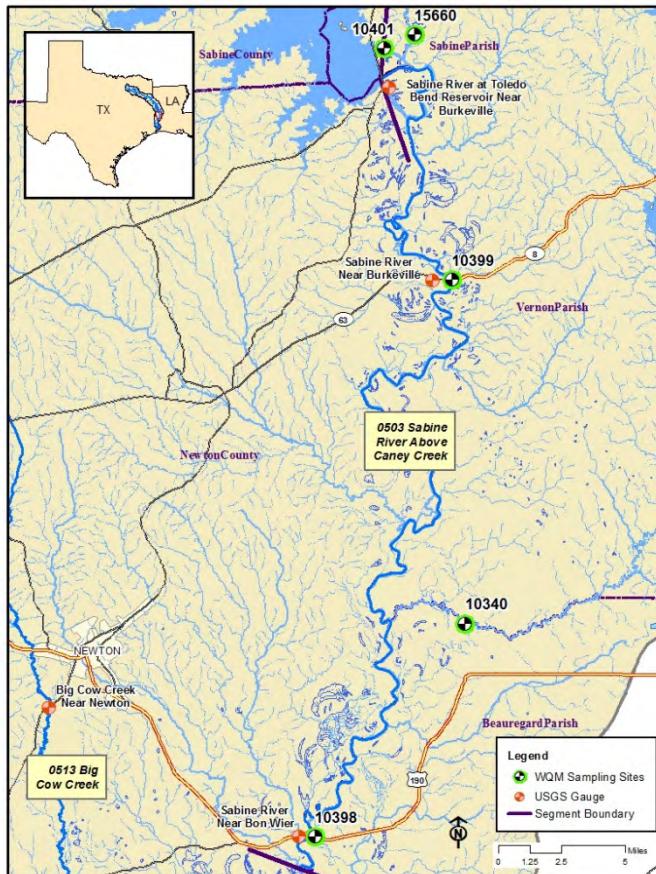
Segment 0503 USGS Recorded Flows

Date and Time	Station	USGS Station #	Location	Flow (cfs)
9/29/21 11:35	10398(SR3)	08028500	Sabine River near Bon Wier, TX	6,540
9/29/21 10:21	10399(SR5)	08026000	Sabine River near Burkeville, TX	1,660

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
9/29/21 11:35	10398(SR3)	0.3	23.2	6.2	6.4	76	57	37	0.08	183	>2,420
9/29/21 11:10	10340(BA4)	0.3	22.4	6.2	6.4	74	69	44	0.08	199	2,420
9/29/21 10:21	10399(SR5)	0.3	22.7	6.0	6.6	77	45	29	0.08	177	>2,420
9/27/21 12:33	10401(TB6S)	0.3	27.3	7.8	8.5	107	149	95	>1.2	1.45	29
9/27/21 12:15	15660(BT1)	0.3	23.1	7.0	7.6	89	88	56	0.56	16.3	13

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.

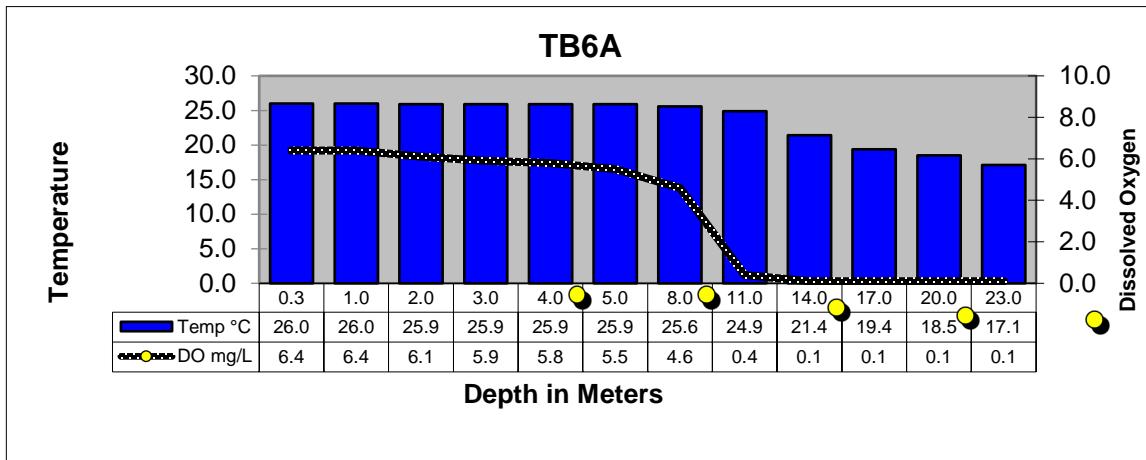
Segment 0504 Water Quality

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
9/28/21 15:40	10404(TB6A)	0.3	26.0	7.4	6.4	79	147	94	1.8	1.61	<1
		1.0	26.0	7.2	6.4	78	147	94			
		2.0	25.9	7.2	6.1	75	147	94			
		3.0	25.9	7.1	5.9	72	147	94			
		4.0	25.9	7.1	5.8	72	147	94			
		5.0	25.9	7.0	5.5	68	147	94			
		8.0	25.6	6.9	4.6	56	145	93			
		11.0	24.9	6.4	0.4	4	136	87			
		14.0	21.4	6.7	0.1	1	156	100			
		17.0	19.4	6.7	0.1	1	155	99			
		20.0	18.5	6.7	0.1	1	154	99			
		23.0	17.1	6.7	0.1	2	152	97			
		24.0	16.0	6.7	0.1	2	154	98			
9/28/21 08:35	10406(TB6C)	0.3	27.3	7.6	8.2	103	144	92	1.0	3.86	<1
		1.0	17.3	7.5	8.1	103	144	92			
		2.0	27.3	7.5	8.1	102	144	92			
		3.0	26.6	6.8	3.8	54	146	94			
	18054(TB6Q)										
				No samples or water quality taken at this site. Unable to launch boat due to high winds and shallow water							

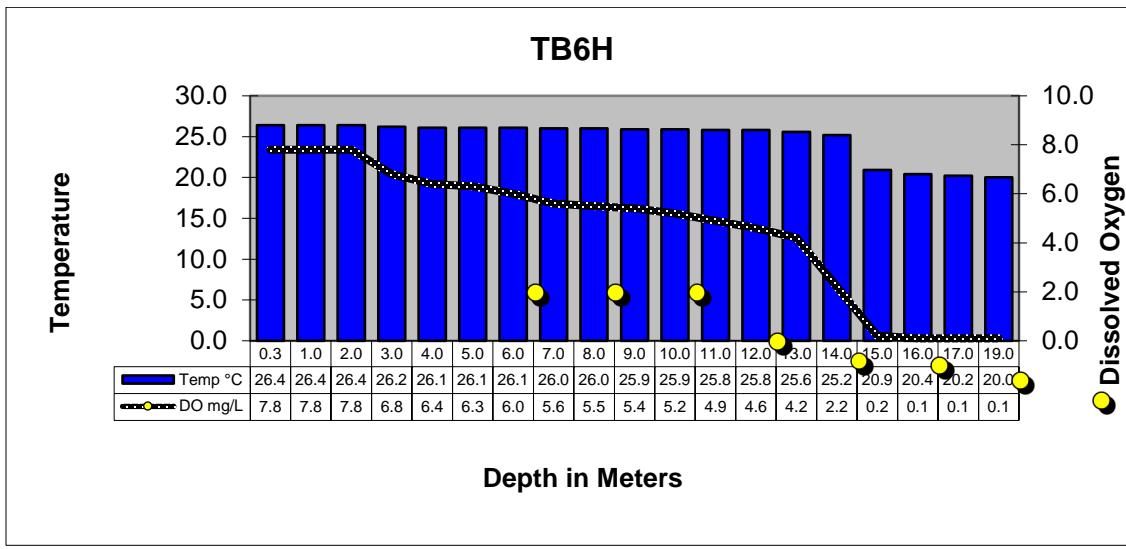
Segment 0504 Water Quality Continued

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
9/27/21 10:30	10411(TB6F)	0.3	26.6	7.9	8.4	105	132	84	0.71	4.68	1
		1.0	26.5	7.8	8.3	103	131	84			
		2.0	26.3	7.7	8.1	100	131	84			
		3.0	26.0	7.2	5.5	67	129	83			
		4.0	25.7	6.9	3.6	43	128	82			
9/28/21 11:56	10402(TB6H)	0.3	26.4	7.7	7.8	97	149	95	0.94	3.02	<1
		1.0	26.4	7.7	7.8	96	149	95			
		2.0	26.4	7.7	7.8	96	149	96			
		3.0	26.2	7.4	6.8	84	149	96			
		4.0	26.1	7.3	6.4	79	150	96			
		5.0	26.1	7.3	6.3	78	150	96			
		6.0	26.1	7.2	6.0	73	151	97			
		7.0	26.0	7.2	5.6	69	152	97			
		8.0	26.0	7.2	5.5	68	152	97			
		9.0	25.9	7.1	5.4	66	152	98			
		10.0	25.9	7.1	5.2	65	153	98			
		11.0	25.8	7.1	4.9	60	153	98			
		12.0	25.8	7.0	4.6	57	153	98			
		13.0	25.6	7.0	4.2	51	154	98			
		14.0	25.2	6.9	2.2	24	156	100			
		15.0	20.9	6.8	0.2	2	182	117			
		16.0	20.4	6.9	0.1	1	186	119			
		17.0	20.2	6.9	0.1	1	187	120			
		19.0	20.0	6.9	0.1	1	189	121			
9/27/21 10:59	15659(TB6K)	0.3	26.8	8.3	8.4	105	151	97	0.48	5.93	6
		1.0	26.4	8.0	7.8	95	150	96			
		2.0	26.3	7.7	7.1	88	150	96			
		3.0	26.2	7.5	6.6	81	150	96			
		4.0	26.1	7.4	6.3	78	150	96			
		5.0	26.0	7.3	5.7	70	150	96			
		6.0	25.6	7.1	3.4	41	155	99			
		7.0	25.5	6.9	2.7	32	155	99			
		8.0	25.4	6.8	2.5	30	156	100			
9/27/21 09:53	15655(TB6J)	0.3	26.4	8.8	10.4	129	155	99	0.43	5.70	<1
		1.0	26.4	8.8	10.4	128	155	99			
		2.0	26.4	8.8	10.3	127	155	99			
		3.0	26.3	8.7	10.0	124	154	99			
		4.0	26.1	7.4	6.5	80	154	99			

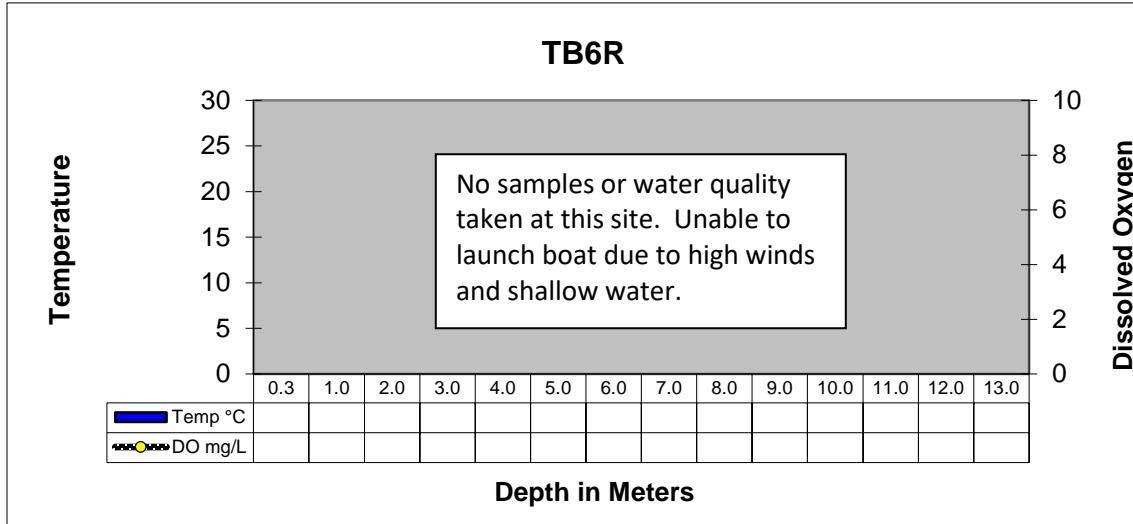
Toledo Bend Reservoir Profiles



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

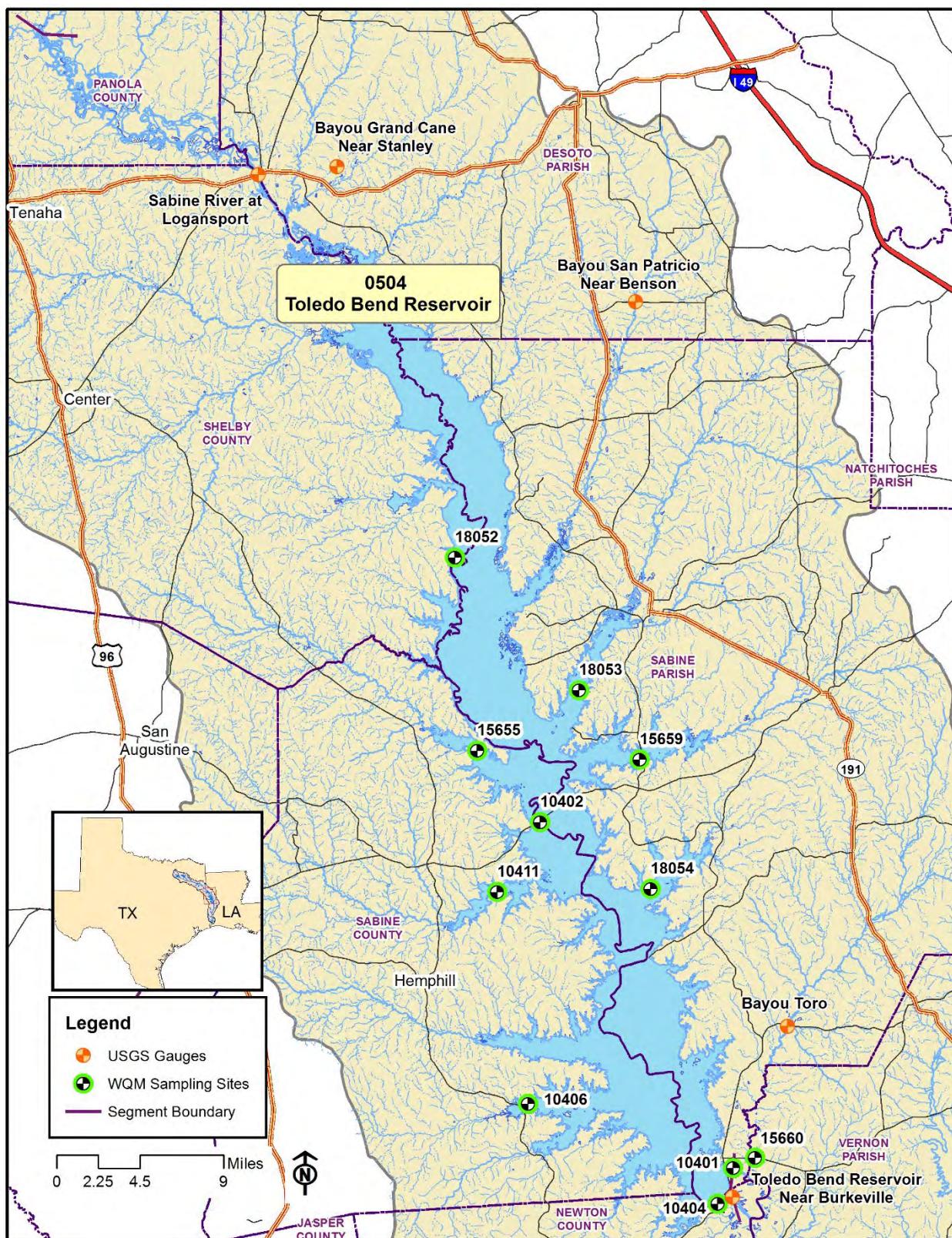


O BEND RESERVOIR AT SH 21 NORTHEAST OF MILAM



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

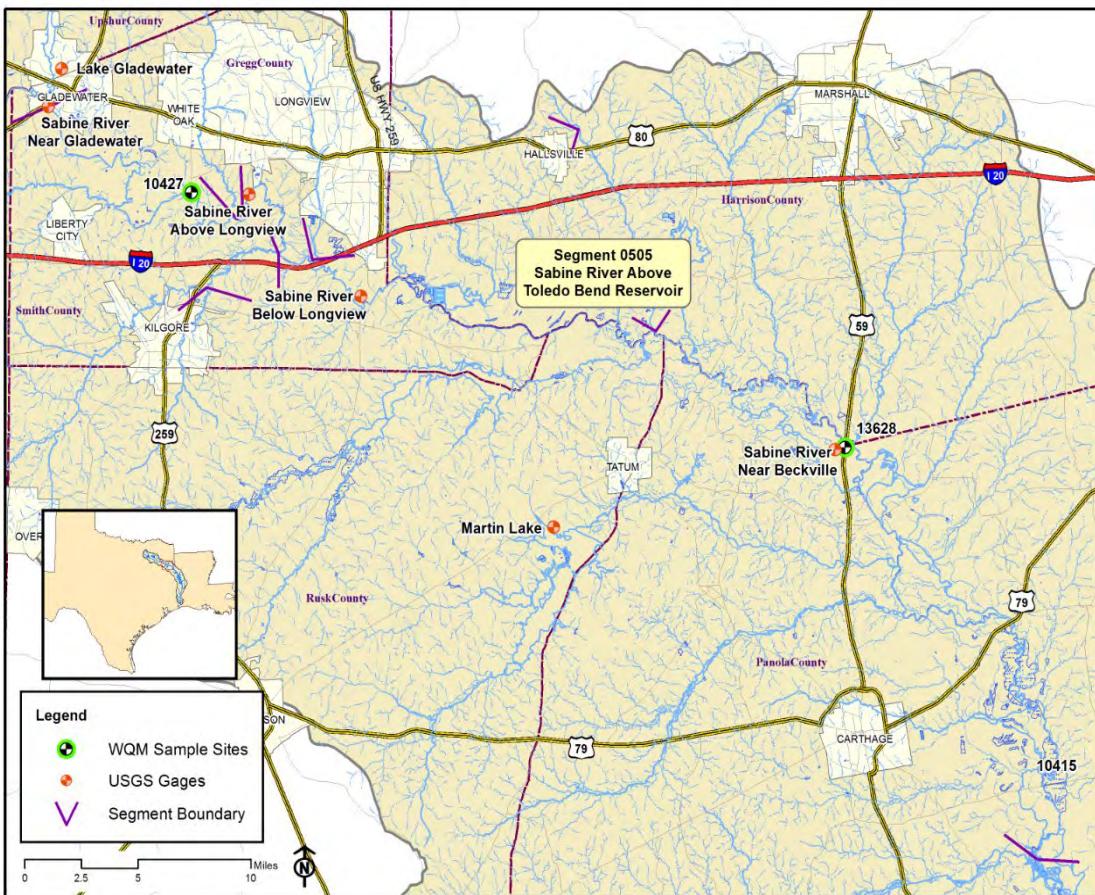
Date and Time	Station	USGS Station #	Location	Flow (cfs)
9/29/21 09:40	13628(SR11)	08022040	Sabine River near Beckville, TX	241

Segment 0505 Water Quality

Date and Time	Station	Depth meters	Temp °C	pH SU	DO mg/L	% Sat	Cond $\mu\text{S}/\text{cm}$	TDS mg/L	Secchi meters	Turbidity NTU	<i>E. coli</i> mpn/100mL
9/29/21 10:15	10415(SR10)	0.3	25.4	7.6	8.0	100	491	314	0.17	33.8	1
9/29/21 09:40	13628(SR11)	0.3	25.8	7.4	7.1	88	578	370	0.25	22.1	<1
9/29/21 08:20	10427(SR16)	0.3	24.6	7.3	7.1	86	267	170	NR	35.9	7

NR = No Result

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)
9/29/21 08:00	10428(SR17)	08020000	Sabine River near Gladewater, TX	106
9/29/21 07:04	10429(SR19)	08019200	Sabine River near Hawkins, TX	74
9/28/21 14:20	10430(SR21)	08018500	Sabine River near Mineola, TX	19
Segment 0514				
9/29/21 07:30	10468(BS1)	08019500	Big Sandy Creek near Big Sandy, TX	20

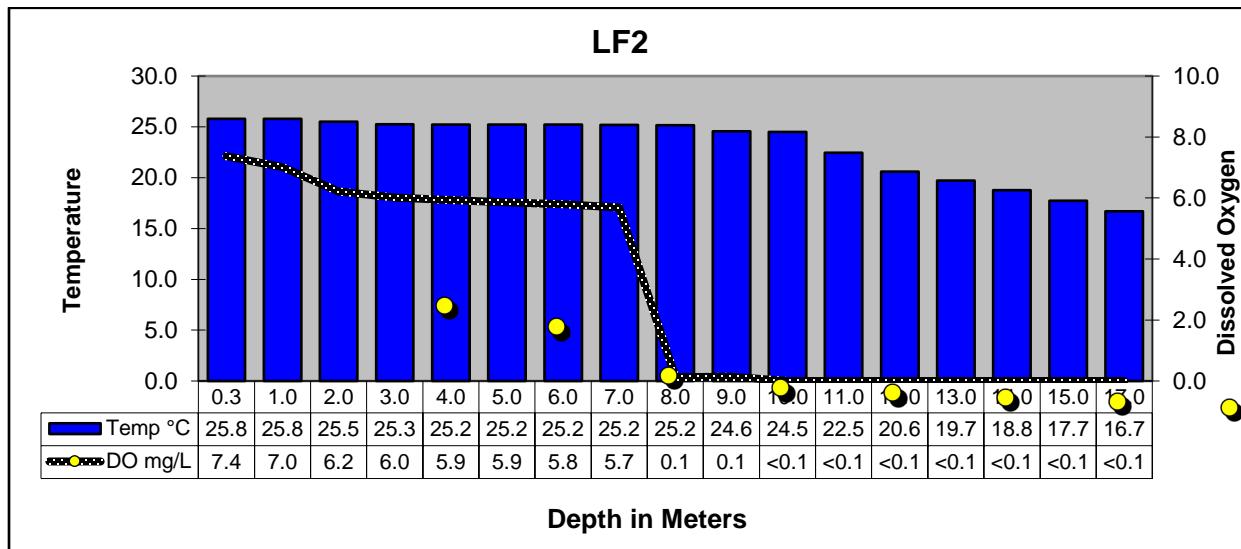
Segment 0506 Water Quality

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
9/29/21 08:00	10428(SR17)	0.3	24.7	7.5	8.1	98	248	158	0.18	40.0	11
9/29/21 07:04	10429(SR19)	0.3	24.3	7.9	7.3	88	268	172	0.15	38.8	8
9/28/21 14:20	10430(SR21)	0.3	22.3	7.3	6.7	79	489	312	0.19	39.5	30
Segment 0514											
9/29/21 07:30	10468(BS1)	0.3	22.5	7.5	7.2	84	102	66	0.83	7.48	116
Segment 0515											
9/28/21 14:38	10469(LF20)	0.3	22.8	7.4	3.0	94	167	107	0.25	27.5	36

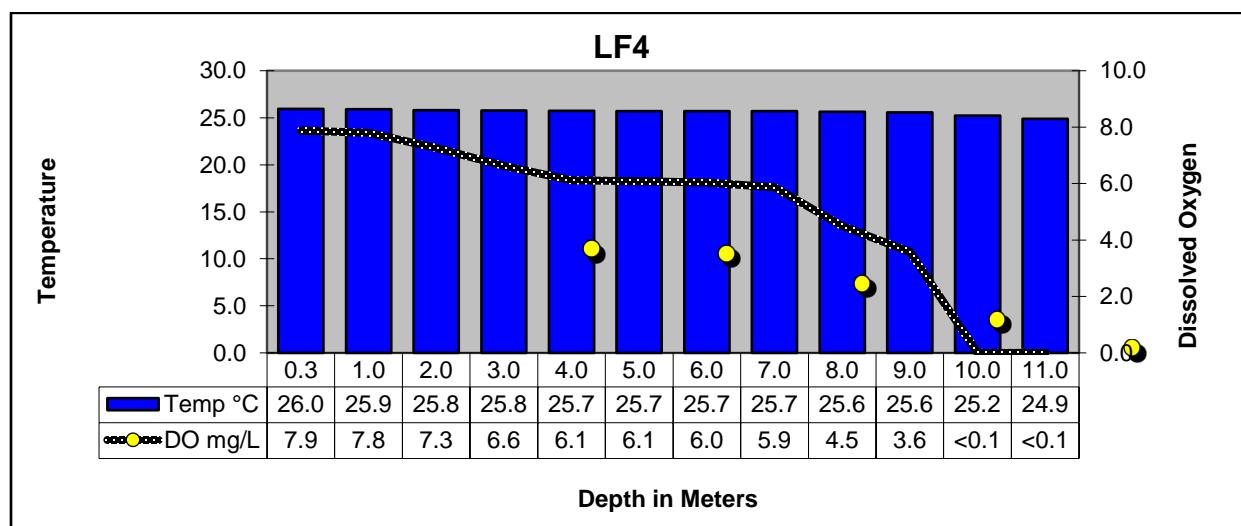
Segment 0506 Water Quality Continued

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											
9/28/21 11:58	10458(LF2)	0.3	25.8	7.5	7.3	91	155	99	0.83	3.73	2
		1.0	25.8	7.5	7.4	91	155	99			
		2.0	25.5	7.4	7.0	86	155	99			
		3.0	25.3	7.3	6.2	76	155	99			
		4.0	25.2	7.2	6.0	74	155	99			
		5.0	25.2	7.2	5.9	73	155	99			
		6.0	25.2	7.2	5.9	72	155	99			
		7.0	25.2	7.2	5.8	71	155	99			
		8.0	25.2	7.1	5.7	69	155	99			
		9.0	24.6	6.6	0.1	2	146	93			
		10.0	24.5	6.6	0.1	2	146	93			
		11.0	22.5	7.2	<0.1	<1	192	123			
		12.0	20.6	7.1	<0.1	<1	176	113			
		13.0	19.7	6.9	<0.1	<1	174	111			
		14.0	18.8	6.8	<0.1	<1	175	112			
		15.0	17.7	6.8	<0.1	<1	181	116			
		16.0	17.4	6.8	<0.1	<1	189	121			
		17.0	16.7	6.8	<0.1	<1	205	131			
9/28/21 11:00	10462(LF4)	0.3	26.0	7.8	7.9	98	158	100	0.42	5.99	<1
		1.0	25.9	7.8	7.8	97	158	100			
		2.0	25.8	7.7	7.3	91	158	100			
		3.0	25.8	7.5	6.6	80	158	100			
		4.0	25.7	7.4	6.1	76	158	100			
		5.0	25.7	7.3	6.1	75	158	100			
		6.0	25.7	7.3	6.0	75	158	100			
		7.0	25.7	7.3	5.9	72	158	100			
		8.0	25.6	7.2	4.5	55	160	102			
		9.0	25.6	7.1	3.6	44	160	102			
		10.0	25.2	6.9	<0.1	<1	165	105			
		11.0	24.9	7.0	<0.1	<1	180	115			
9/28/21 11:15	10461(LF3)	0.3	26.0	7.9	7.9	98	158	101	0.40	7.48	<1
		1.0	26.0	7.8	7.9	96	158	101			
		2.0	25.8	7.7	7.3	90	158	101			
		3.0	25.7	7.5	6.7	82	158	101			
		4.0	25.7	7.4	6.4	79	158	101			
		5.0	25.6	7.3	6.1	75	160	102			
		6.0	25.6	7.2	5.4	66	160	102			
		7.0	25.5	7.1	4.4	53	160	102			
		8.0	25.5	7.0	3.0	37	163	104			
		9.0	25.4	7.0	2.7	29	173	110			

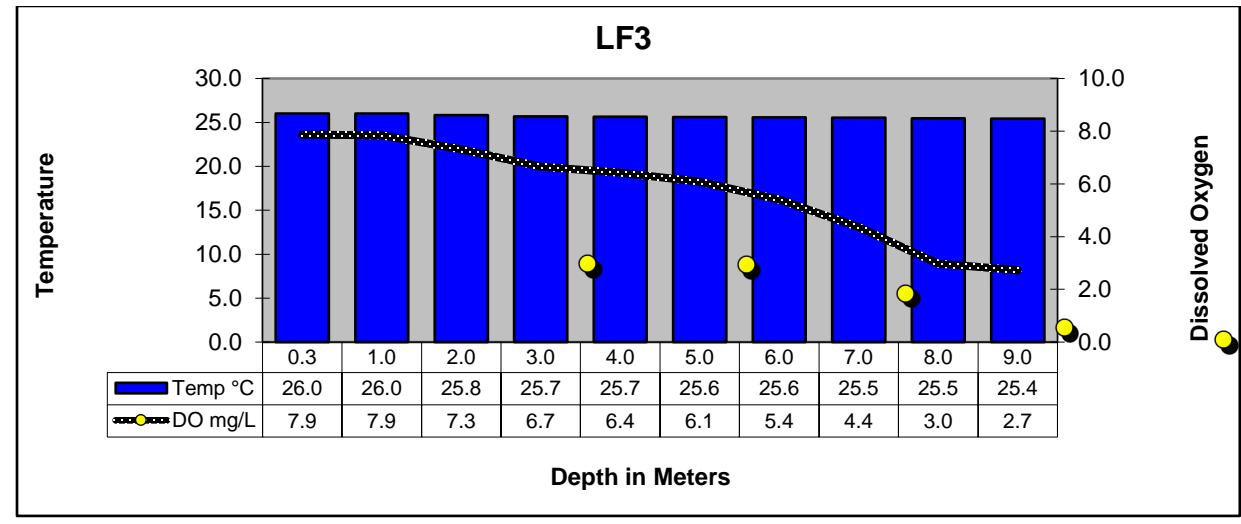
Lake Fork Reservoir Profiles



LAKE FORK RESERVOIR NEAR DAM IN CREEK CHANNEL

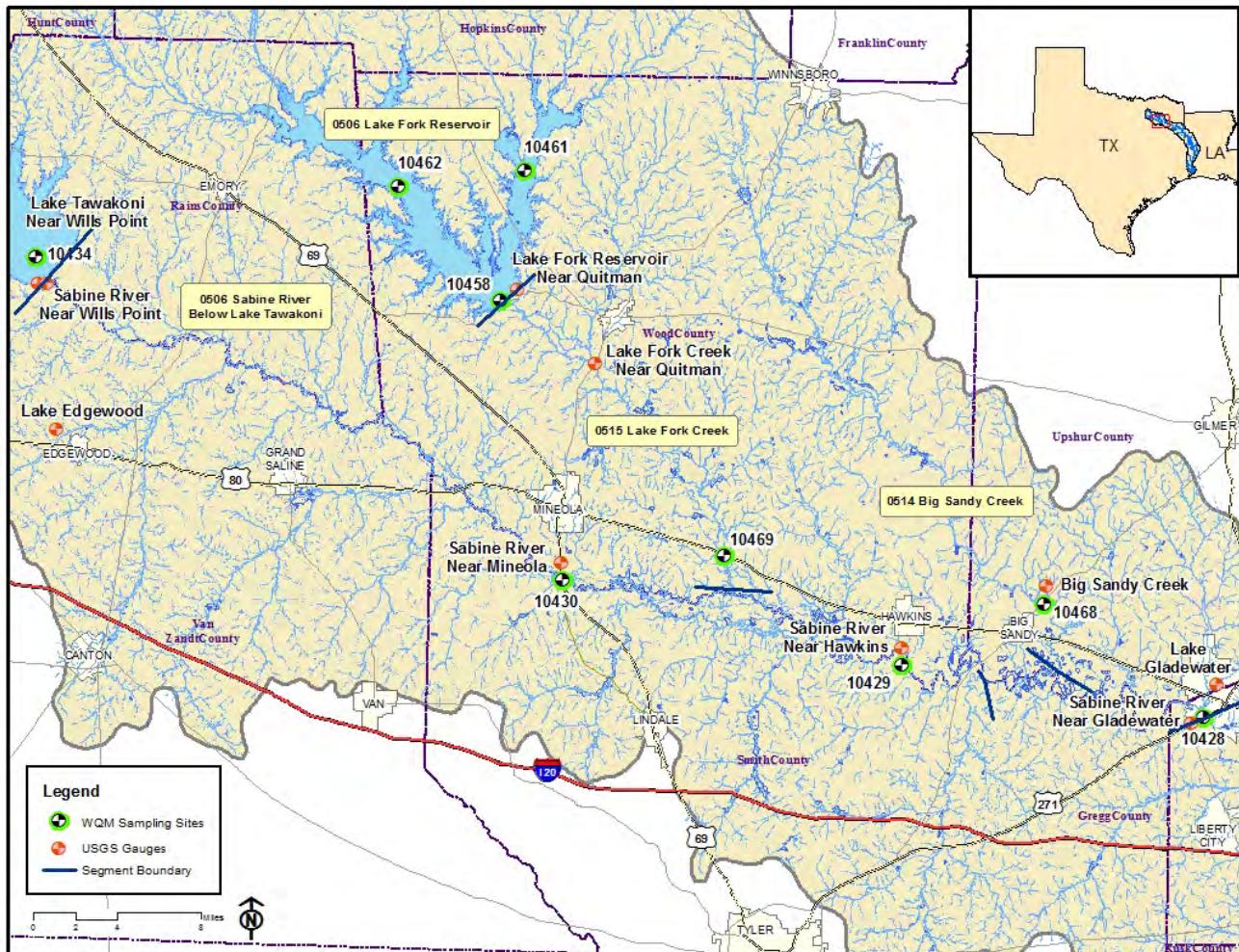


LAKE FORK RESERVOIR MID-COVE IN LAKE FORK CREEK ARM AT FM515



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

Segments 0506, 0512, 0514 & 0515



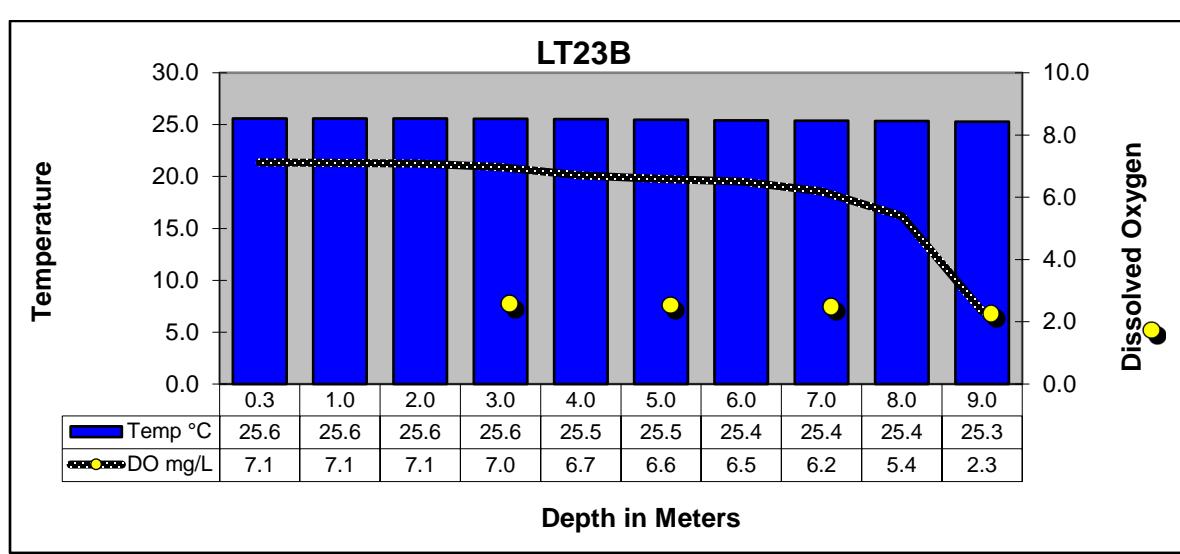
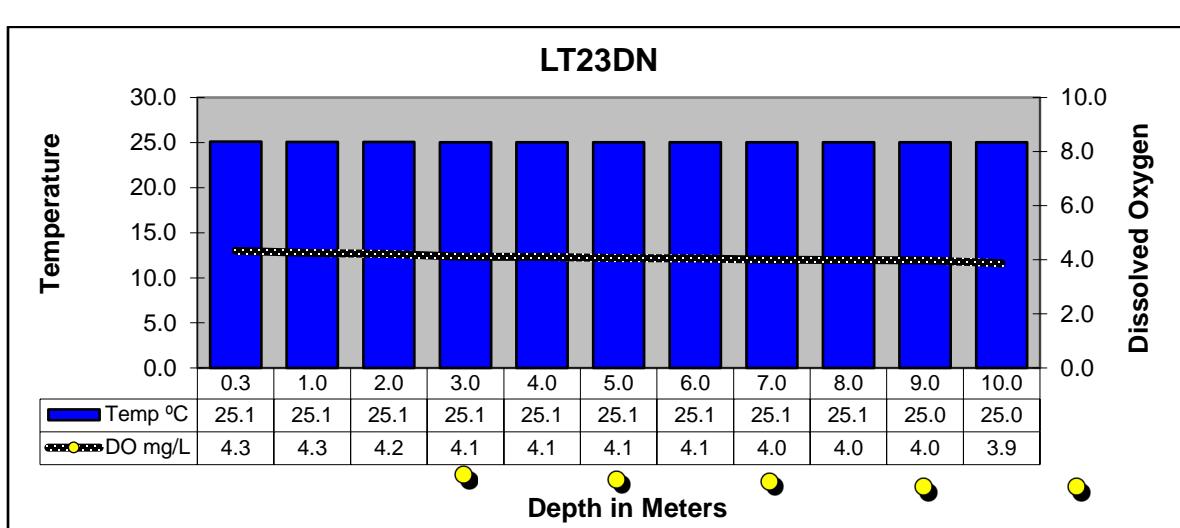
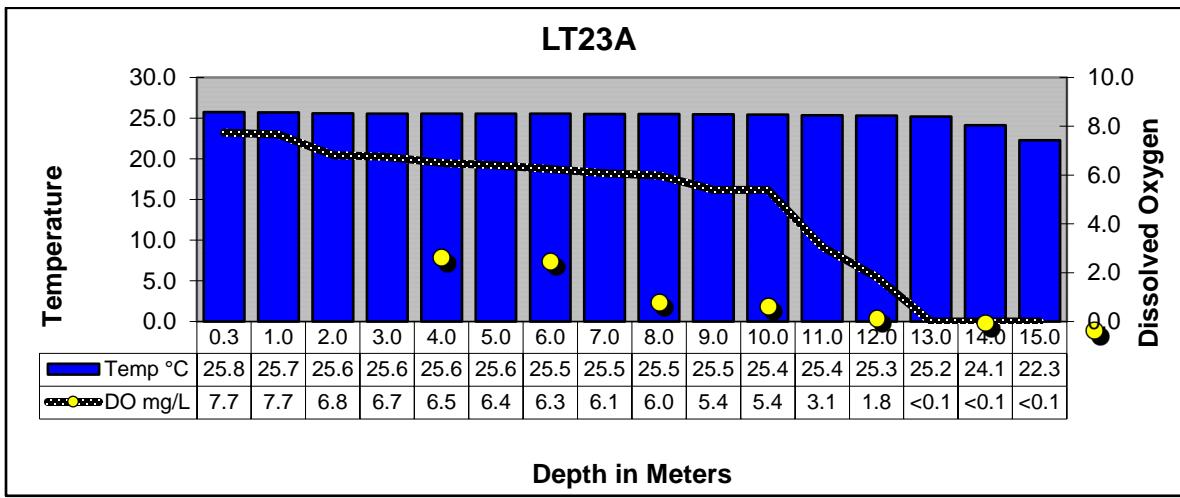
Segment 0507 - Lake Tawakoni

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
9/28/21 10:05	10434(LT23A)	0.3	25.8	8.4	7.7	96	192	122	0.54	6.62	<1
		1.0	25.7	8.3	7.7	94	192	122			
		2.0	25.6	8.1	6.8	85	192	122			
		3.0	25.6	8.1	6.7	83	192	122			
		4.0	25.6	8.0	6.5	80	192	122			
		5.0	25.6	8.0	6.4	79	192	122			
		6.0	25.5	7.9	6.3	77	192	122			
		7.0	25.5	7.9	6.1	75	193	123			
		8.0	25.5	7.8	6.0	74	193	123			
		9.0	25.5	7.8	5.4	69	192	123			
		10.0	25.4	7.7	5.4	66	193	123			
		11.0	25.4	7.5	3.1	38	195	125			
		12.0	25.3	7.4	1.8	23	196	125			
		13.0	25.2	7.2	<0.1	<1	199	128			
		14.0	24.1	6.9	<0.1	<1	243	159			
		15.0	22.3	6.7	<0.1	<1	295	189			
9/28/21 09:30	21173(LT23DN)	0.3	25.1	7.7	4.3	54	192	122	0.44	11.5	<1
		1.0	25.1	7.6	4.3	42	192	122			
		2.0	25.1	7.6	4.2	51	192	122			
		3.0	25.1	7.6	4.1	50	192	122			
		4.0	25.1	7.6	4.1	50	192	122			
		5.0	25.1	7.6	4.1	49	192	122			
		6.0	25.1	7.6	4.1	49	192	122			
		7.0	25.1	7.6	4.0	49	192	122			
		8.0	25.1	7.6	4.0	48	192	122			
		9.0	25.0	7.6	4.0	48	192	122			
		10.0	25.0	7.5	3.9	47	192	122			
9/28/21 09:05	10437(LT23B)	0.3	25.6	8.3	7.1	88	191	122	0.47	8.29	<1
		1.0	25.6	8.3	7.1	88	191	122			
		2.0	25.6	8.3	7.1	88	191	122			
		3.0	25.6	8.3	7.0	87	191	122			
		4.0	25.5	8.2	6.7	83	191	122			
		5.0	25.5	8.1	6.6	82	191	122			
		6.0	25.4	8.1	6.5	79	191	122			
		7.0	25.4	8.0	6.2	77	191	122			
		8.0	25.4	7.9	5.4	67	191	122			
		9.0	25.3	7.6	2.3	20	195	125			

Lake Tawakoni Reservoir Profiles



Segment 0507

