
SABINE RIVER AUTHORITY OF TEXAS

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

The Environmental Services Field Offices conducted water quality monitoring in the Sabine Basin from May 7th through the 10th. The results of field monitoring are presented in this report and additional results can be found using the Texas Commission on Environmental Quality (TCEQ) Clean Rivers Program Data Tool: <https://www80.tceq.texas.gov/SwqmisWeb/public/crpweb.faces>

Sabine Basin Tidal (Including Tributaries)

Weather – Air temperatures in the tidal basin were warm with highs in the 80s. Low temperatures ranged in the upper 50s to low 70s. The tidal stations received 0.12 inches of rainfall in the seven days prior to the sampling event.

Tidal Conditions – Surface salinity values were not greater than 2 ppt at any of the six tidal stations. The highest salinity value of 0.8 ppt was recorded at station 10391 (SRT1) at a depth of 9.0 meters.

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

Weather – Air temperatures in the lower basin were warm with highs in the 80s. Low temperatures ranged in the upper 50s to upper 60s. Toledo Bend received 0.55 inches of rainfall during the seven days prior to the sampling event.

Lake Level - The level of Toledo Bend was 170.7 feet with a daily average discharge of 4,251 cfs on the day of sampling. Toledo Bend has a conservation pool level of 172 feet msl. Reservoir profiles indicated water column is stratified.

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 low 70s to upper 80s. Low temperatures were in the mid 50s to low 70s. Lake Fork and Lake Tawakoni received 1.36 and 2.13 inches of rainfall, respectively, during the seven days prior to the sampling event.

Lake Level - The level of Lake Tawakoni was 437.58 feet msl with a release of 6 cfs on the day of sampling. The level of Lake Fork was 402.58 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 Tawakoni and Lake Fork indicated the water column is stratified.

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

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SABINE RIVER AUTHORITY OF TEXAS

Monthly Water Quality Report

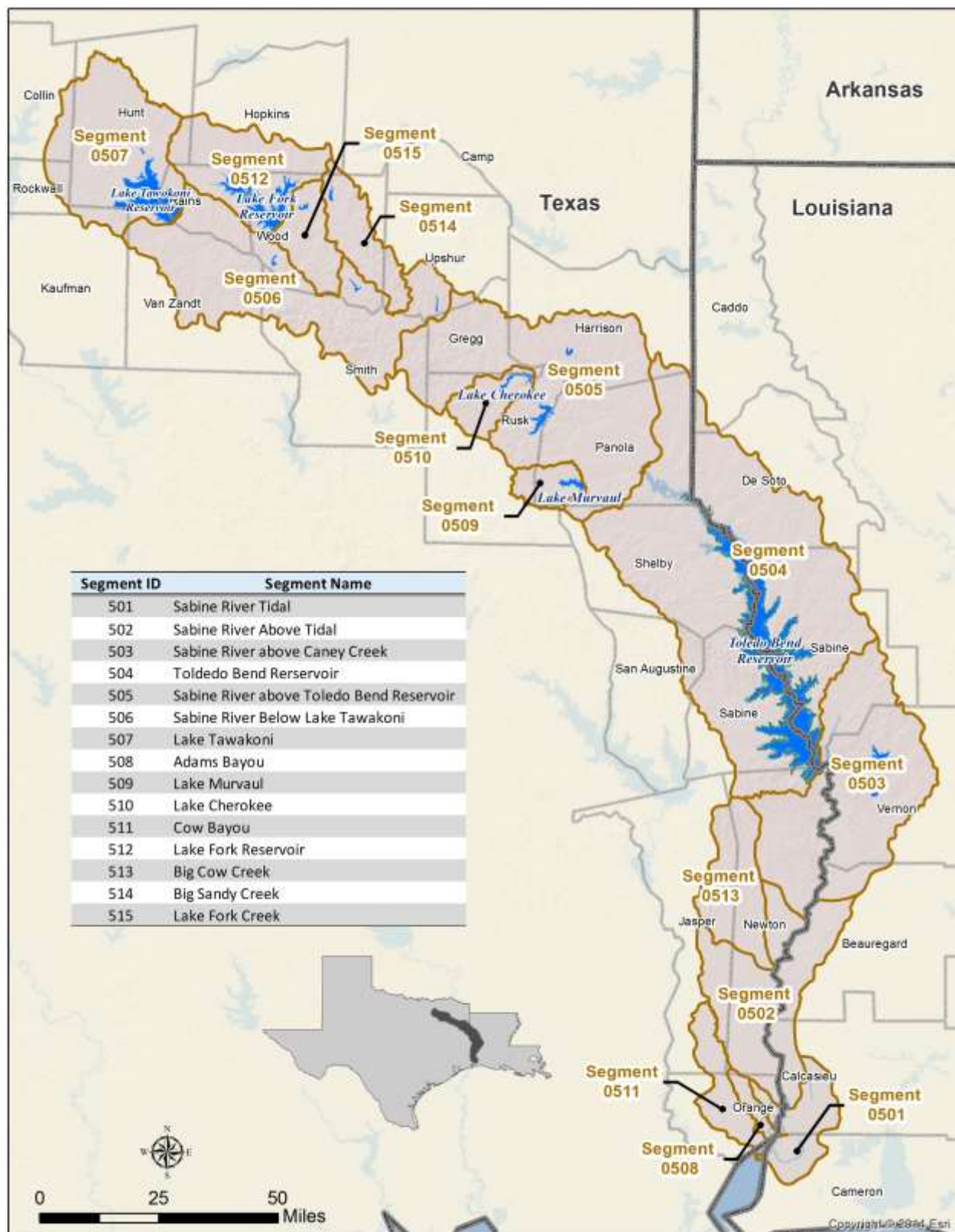
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Sabine Basin Map



Current Fixed Monitoring Stations

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

Segment 0501 – Sabine River Tidal

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

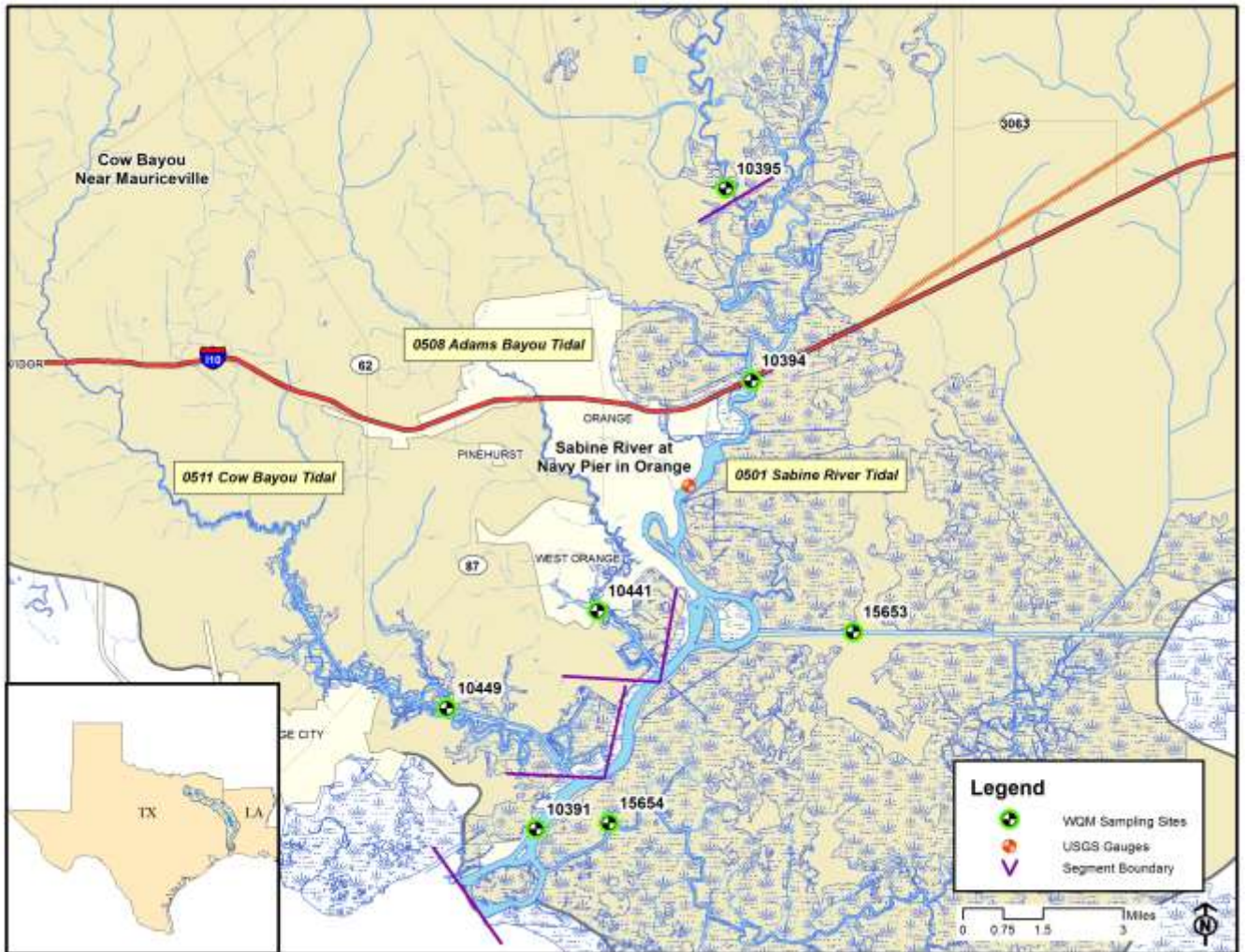
Segment 0508 – Adams Bayou Tidal. The segment reaches from the confluence with the Sabine River in Orange County to a point 1.1 kilometers (0.7 miles) upstream of IH-10 in Orange County.

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

Segment 0501 Water Quality

<i>Date and Time</i>	<i>Station</i>	<i>Depth</i>	<i>Temp</i>	<i>pH</i>	<i>DO</i>	<i>% Sat</i>	<i>Cond</i>	<i>TDS</i>	<i>Salinity</i>	<i>Secchi</i>	<i>Turbidity</i>	<i>Enterococcus</i>
		<i>meters</i>	<i>°C</i>	<i>SU</i>	<i>mg/L</i>		<i>µS/cm</i>	<i>mg/L</i>	<i>ppt</i>	<i>meters</i>	<i>NTU</i>	<i>mpn/100mL</i>
5/10/18 09:53	10391(SRT1)	0.3	25.4	6.7	6.8	82	279	179	0.1	0.42	22.2	4
		3.0	25.2	6.6	6.6	80	284	180	0.1			
		6.0	25.1	6.5	6.5	79	281	178	0.1			
		9.0	25.7	6.5	6.2	76	3,113	1,579	0.8			
5/10/18 09:38	15654(BB1)	0.3	26.8	6.7	6.6	83	567	363	0.3	0.33	25.2	4
		1.5	26.7	6.7	6.6	82	565	362	0.3			
		3.0	26.6	6.7	7.4	79	562	400	0.3			
Segment 0511												
5/10/18 09:15	10449(CB1)	0.3	26.4	6.5	5.7	71	229	146	0.1	0.33	32.7	15
		1.5	26.4	6.4	5.6	70	228	146	0.1			
		3.0	26.0	6.3	5.4	65	220	141	0.1			
Segment 0508												
5/10/18 10:11	10441(AB2)	0.3	26.7	6.8	5.6	71	245	157	0.1	0.33	24.9	17
		1.5	26.6	6.7	5.7	69	248	158	0.1			
		3.0	25.9	6.6	3.9	48	245	156	0.1			
5/10/18 10:32	15653(ICW1)	0.3	25.1	6.6	6.4	78	179	114	0.1	0.44	22.0	2
		2.5	24.9	6.5	6.3	76	180	115	0.1			
		5.0	24.9	6.4	6.3	76	179	115	0.1			
5/10/18 11:19	10394(SRT2)	0.3	25.7	6.8	7.8	96	144	93	0.1	0.39	26.3	4
		3.0	25.2	6.7	7.5	88	144	93	0.1			
		6.0	25.0	6.6	7.1	86	145	93	0.1			
		8.0	25.0	6.6	7.1	86	145	93	0.1			

Segments 0501, 0508 & 0511



Segment 0502 - Sabine River Above Tidal

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

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

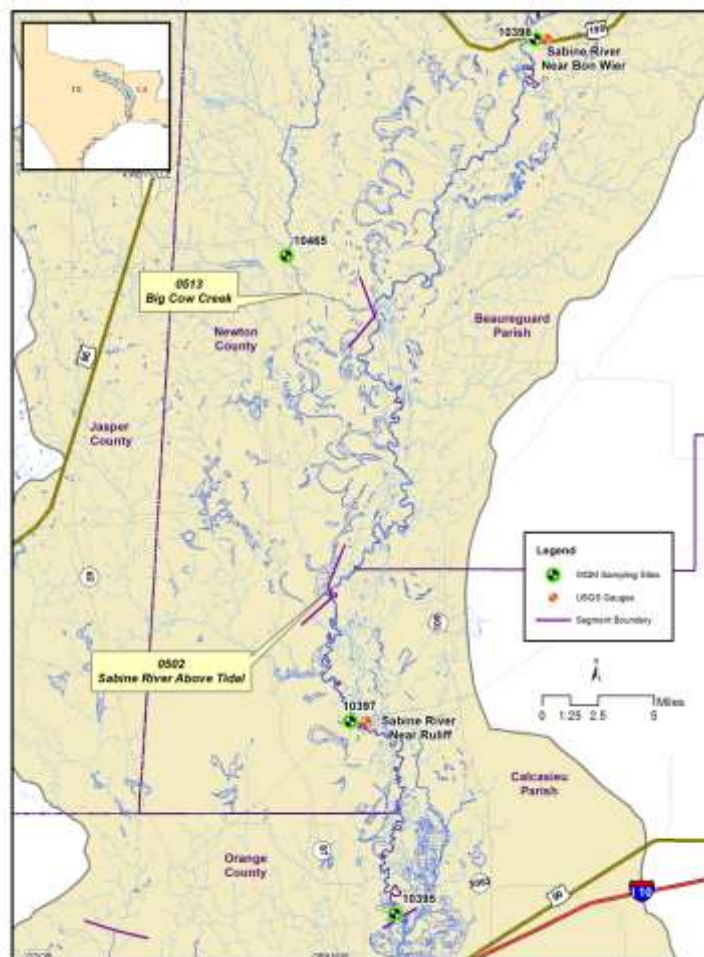
Segment 0502 USGS- Recorded Flows

Date and Time	Station	USGS Station #	Location	Flow (cfs)
5/9/18 08:39	10397(SR2)	08030500	Sabine River near Ruliff, TX	4,550

Segment 0502 Water Quality

Date and Time	Station	Depth meters	Temp °C	pH SU	DO mg/L	% Sat	Cond µS/cm	TDS mg/L	Secchi meters	Turbidity NTU	<i>E.coli</i> mpn/100mL
5/10/18 11:47	10395(SR1)	0.3	25.2	6.7	7.2	88	175	111	0.39	32.8	5
5/9/18 08:39	10397(SR2)	0.3	24.2	6.3	7.5	90	116	74	0.23	33.4	11
Segment 0513											
5/9/18 09:24	10465(BCC1)	0.3	20.9	5.9	7.6	85	38	24	0.35	23.1	59

Segments 0502 & 0513



Segment 0503 - Sabine River Above Caney Creek

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

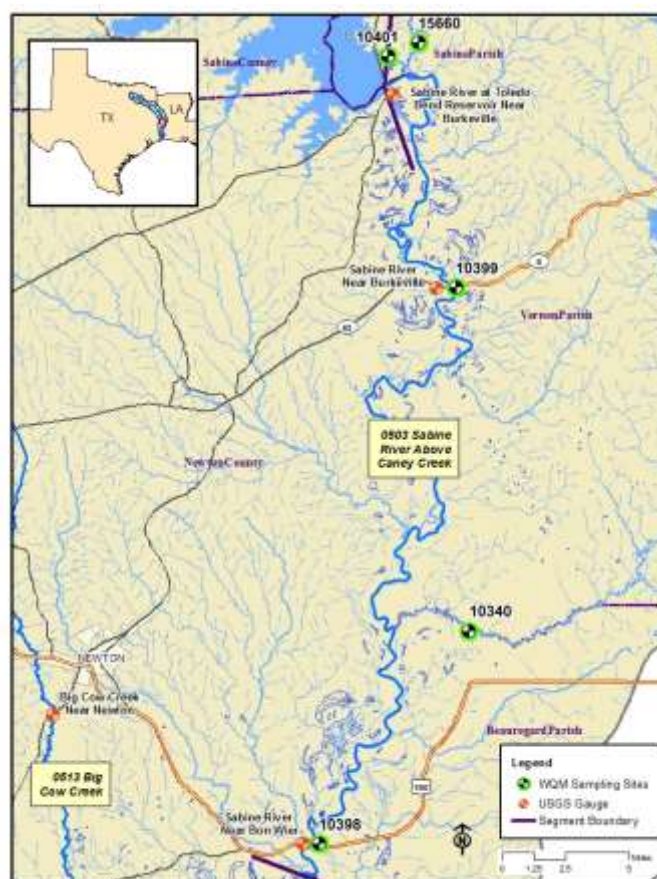
Segment 0503 USGS- Recorded Flows

Date and Time	Station	USGS Station #	Location	Flow (cfs)
5/9/18 11:25	10398(SR3)	08028500	Sabine River near Bon Wier, TX	6,520
5/9/18 10:27	10399(SR5)	08026000	Sabine River near Burkeville, TX	2,450

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
5/9/18 11:25	10398(SR3)	0.3	24.4	6.9	8.3	99	130	84	0.64	16.1	17
5/9/18 11:05	10340(BA4)	0.3	25.1	6.7	7.0	84	165	106	0.34	30.6	13
5/9/18 10:27	10399(SR5)	0.3	23.3	7.0	8.8	103	130	83	0.81	5.89	22
5/7/18 15:10	10401(TB6S)	0.3	22.8	7.4	8.8	103	132	84	1.0	5.58	16
5/7/18 14:53	15660(BT1)	0.3	24.3	6.6	8.2	98	79	51	0.48	20.7	58

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
5/8/18 15:17	10404(TB6A)	0.3	28.1	8.3	9.8	125	135	86	1.6	2.04	<1
		1.0	27.2	8.5	8.9	126	134	86			
		2.0	24.8	8.5	10.2	123	133	86			
		3.0	24.5	8.4	10.1	120	133	85			
		4.0	24.3	8.3	10.0	118	133	85			
		5.0	23.0	7.9	9.8	113	131	84			
		6.0	22.3	7.6	9.3	104	131	84			
		7.0	21.0	7.2	8.5	95	130	83			
		10.0	19.8	6.8	7.1	77	129	83			
		13.0	18.3	6.6	5.6	59	129	83			
		16.0	17.6	6.5	3.7	37	129	82			
		19.0	16.7	6.3	2.3	23	127	82			
		21.0	15.8	6.3	1.4	14	127	82			
		24.0	14.2	6.2	0.4	4	128	82			
		26.0	13.3	6.6	<0.1	<1	197	114			
5/8/18 08:35	10406(TB6C)	0.3	25.9	7.2	6.8	108	100	64	1.4	3.08	<1
		1.0	25.9	7.2	8.8	107	99	63			
		2.0	24.4	7.0	8.3	95	100	65			
		3.0	22.9	6.8	7.9	93	103	67			
		4.0	21.8	6.3	3.5	42	101	65			
5/8/18 14:10	18054(TB6Q)	0.3	26.6	8.4	10.0	125	131	84	0.81	4.32	<1
		1.0	26.6	8.6	10.2	124	131	84			
		2.0	25.0	8.3	9.9	118	132	84			
		3.0	23.5	7.6	8.9	103	131	84			
		4.0	22.8	7.2	7.9	90	132	84			
		5.0	22.3	7.0	7.2	82	130	84			
		6.0	21.9	6.9	7.0	78	130	83			
		7.0	21.3	6.7	5.6	63	130	83			
		8.0	20.4	6.6	3.8	41	131	84			

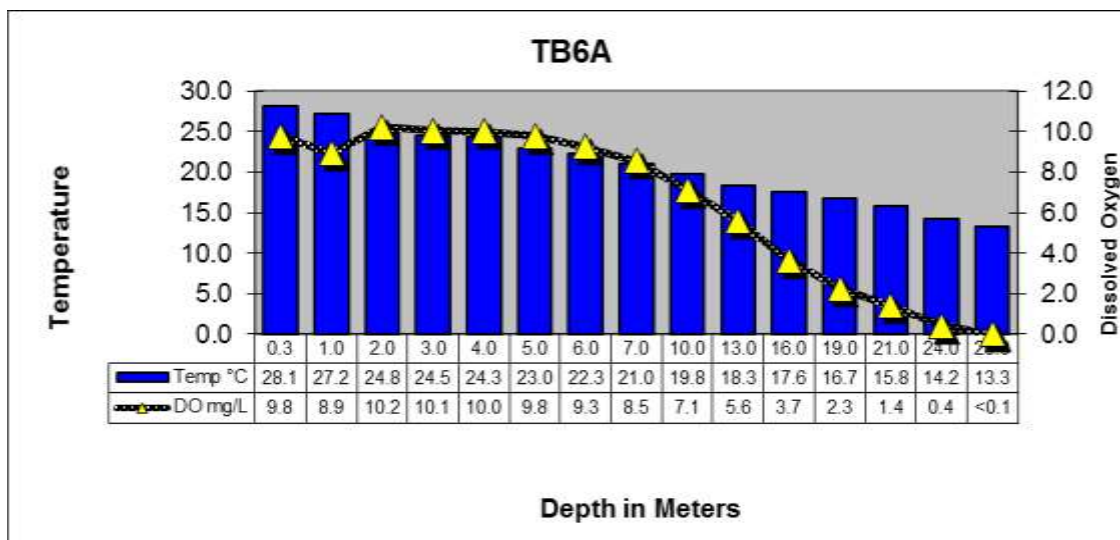
Segment 0504 Water Quality Continued

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
5/7/18 13:31	10411(TB6F)	0.3	27.3	7.8	9.6	121	83	53	0.85	6.79	10
		1.0	26.3	8.1	9.9	122	81	52			
		2.0	24.8	7.9	9.8	117	80	51			
		3.0	28.6	7.1	7.7	89	79	51			
		4.0	21.9	6.6	5.3	57	84	54			
		5.0	20.2	6.3	2.3	22	84	54			
5/8/18 11:34	10402(TB6H)	0.3	24.7	7.5	8.9	108	130	84	0.63	4.69	3
		1.0	23.4	7.6	9.2	106	129	83			
		2.0	22.9	7.5	8.7	100	130	82			
		3.0	22.6	7.2	8.3	92	128	83			
		4.0	21.6	7.0	6.8	77	129	82			
		5.0	21.2	6.9	6.7	75	129	82			
		6.0	20.9	6.8	5.7	63	132	84			
		7.0	20.7	6.7	5.2	58	132	85			
		10.0	20.1	6.6	4.6	50	133	85			
		13.0	19.5	6.5	3.3	34	136	87			
5/7/18 14:00	15659(TB6K)	0.3	28.6	8.5	10.3	134	115	74	0.77	4.53	4
		1.0	27.7	8.5	10.2	130	112	72			
		2.0	25.3	8.1	9.8	117	106	68			
		3.0	23.9	7.2	6.6	77	100	64			
		4.0	22.9	6.7	4.6	52	106	68			
		5.0	21.6	6.4	2.1	24	108	70			
		6.0	20.7	6.2	0.9	10	111	71			
		7.0	20.5	6.2	0.7	7	113	72			
		8.0	20.0	6.2	0.5	5	114	73			
		9.0	19.9	6.1	0.4	4	115	73			
5/7/18 12:51	15655(TB6J)	0.3	26.8	8.1	9.9	123	130	84	0.57	6.55	1
		1.0	26.5	8.2	9.7	121	130	84			
		2.0	24.0	7.7	8.8	104	129	82			
		3.0	22.3	7.2	5.6	61	129	83			
		4.0	21.5	6.6	2.0	22	131	84			

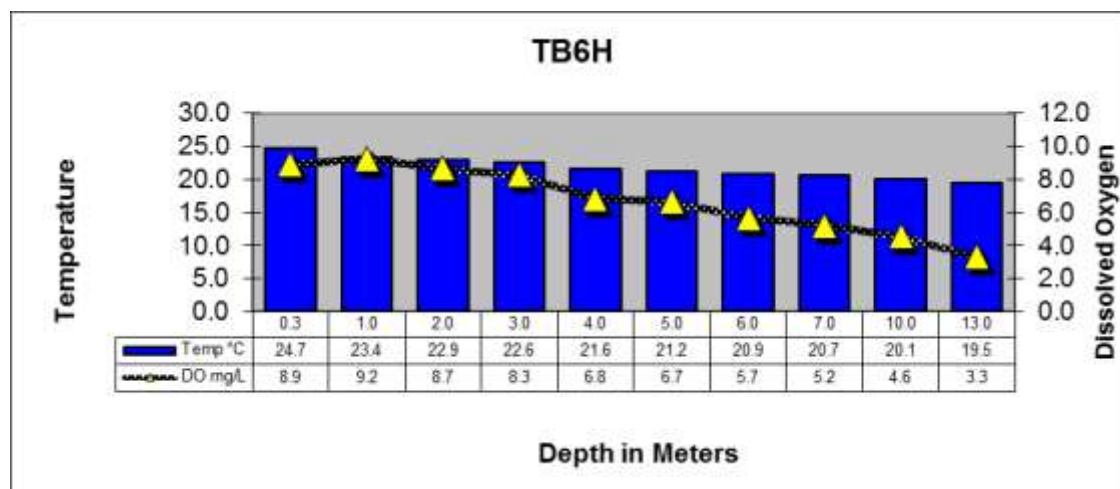
Segment 0504 Water Quality Continued

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
5/8/18 13:18	18053(TB6LN)	0.3	28.5	8.7	10.6	137	116	75	0.99	4.74	5
		1.0	27.5	8.7	10.7	134	115	74			
		2.0	26.6	8.6	10.6	124	113	72			
		3.0	23.4	7.3	3.8	44	114	73			
		4.0	22.2	6.7	3.7	43	121	78			
		5.0	21.8	6.6	3.7	42	124	79			
		6.0	21.5	6.5	2.7	30	127	81			
5/8/18 10:05	18052(TB6R)	0.3	23.1	7.0	7.0	85	138	86	0.90	6.67	<1
		1.0	22.6	7.1	6.5	74	138	88			
		2.0	22.3	6.9	6.0	68	137	88			
		3.0	22.2	6.9	5.7	65	138	88			
		4.0	22.1	6.8	5.5	63	138	88			
		5.0	22.0	6.8	5.5	63	138	89			
		6.0	22.0	6.8	5.4	61	139	89			
		7.0	21.9	6.7	5.3	61	139	89			
		8.0	21.9	6.7	5.2	59	139	89			
		9.0	21.9	6.7	4.9	55	139	90			
		10.0	21.8	6.6	4.6	52	140	90			
		11.0	21.6	6.6	4.0	45	142	91			
		12.0	21.3	6.6	2.6	29	146	93			
		13.0	21.2	6.6	2.0	22	149	95			

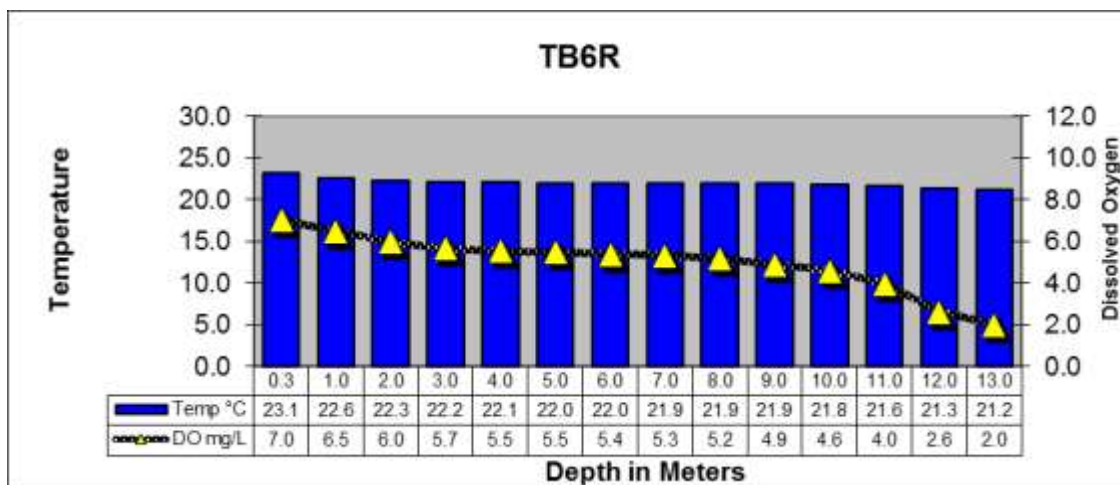
Toledo Bend Reservoir Profiles



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

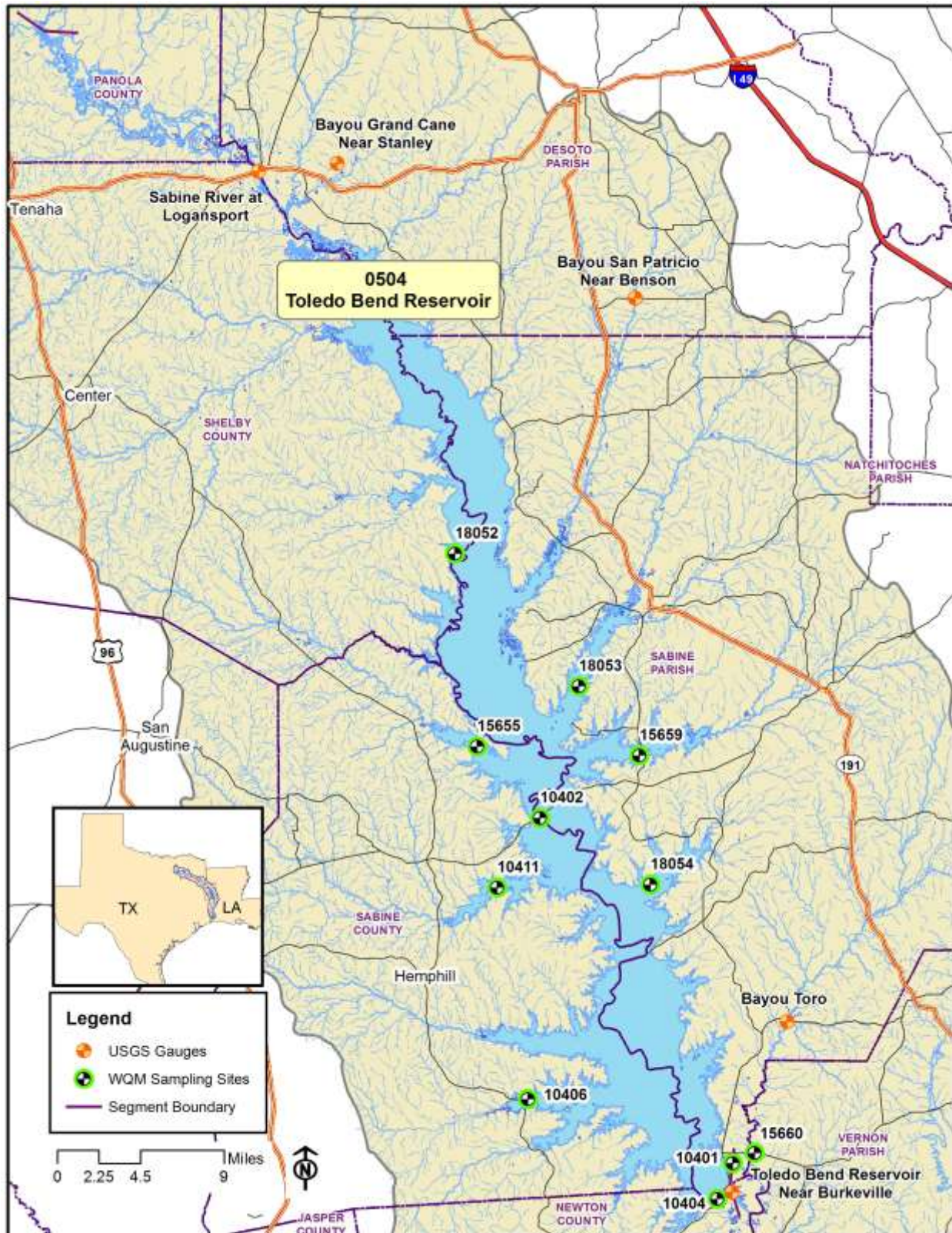


TOLEDO BEND RESERVOIR AT SH 21 NORTHEAST OF MILAM



TOLEDO BEND RESERVOIR AT RAGTOWN

Segment 0504



Segment 0505 - Sabine River Above Toledo Bend Reservoir

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

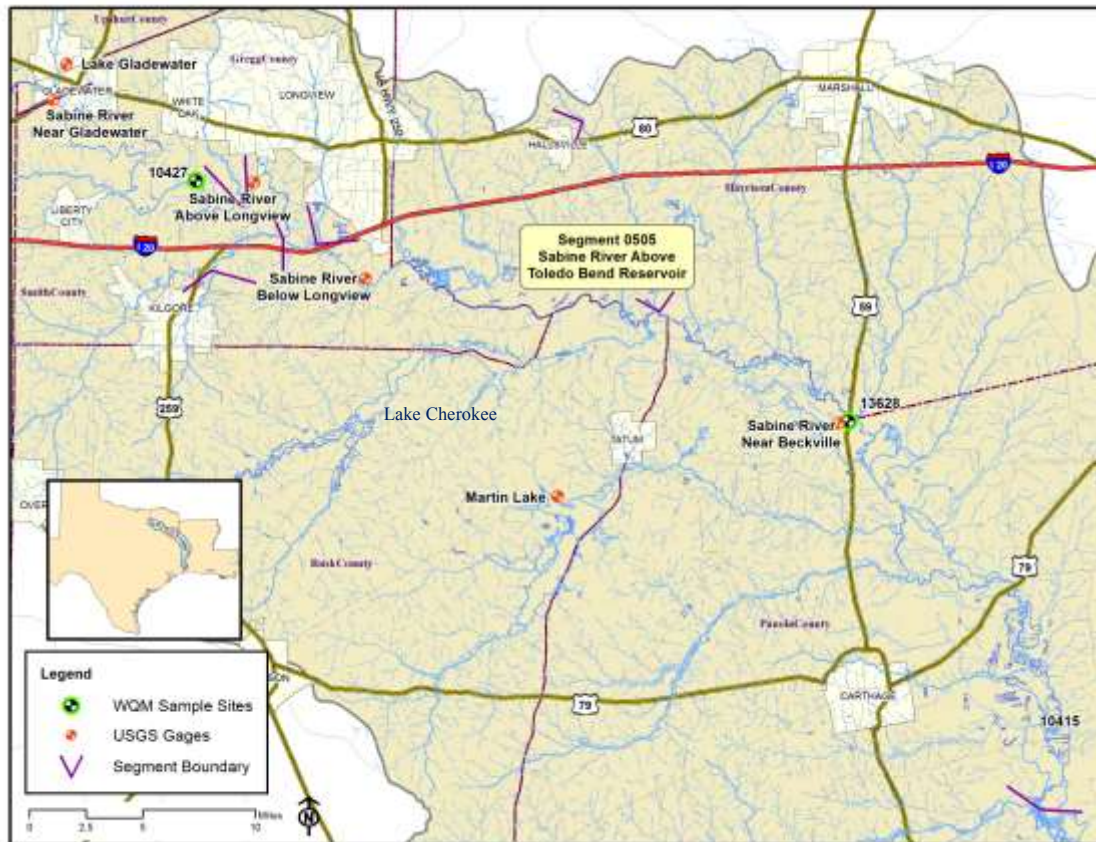
Segment 0505 USGS- Recorded Flows

Date and Time	Station	USGS Station #	Location	Flow (cfs)
5/9/18 09:36	13628(SR11)	08022040	Sabine River near Beckville, TX	1,270

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
5/9/18 10:14	10415(SR10)	0.3	25.2	7.2	9.4	115	294	188	0.19	38.1	12
5/9/18 09:36	13628(SR11)	0.3	24.8	7.2	8.7	107	274	175	0.17	51.5	28
5/9/18 08:10	10427(SR16)	0.3	23.2	6.9	7.0	83	254	163	0.12	59.7	158

Segment 0505



Segment 0506 - Sabine River Below Lake Tawakoni

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

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

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

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

Segment 0506 USGS- Recorded Flows

Date and Time	Station	USGS Station #	Location	Flow (cfs)
5/9/18 07:33	10428(SR17)	08020000	Sabine River near Gladewater, TX	866
5/9/18 06:43	10429(SR19)	08019200	Sabine River near Hawkins, TX	498
5/8/18 13:52	10430(SR21)	08018500	Sabine River near Mineola, TX	274
Segment 0514				
5/9/18 07:05	10468(BS1)	08019500	Big Sandy Creek near Big Sandy, TX	123

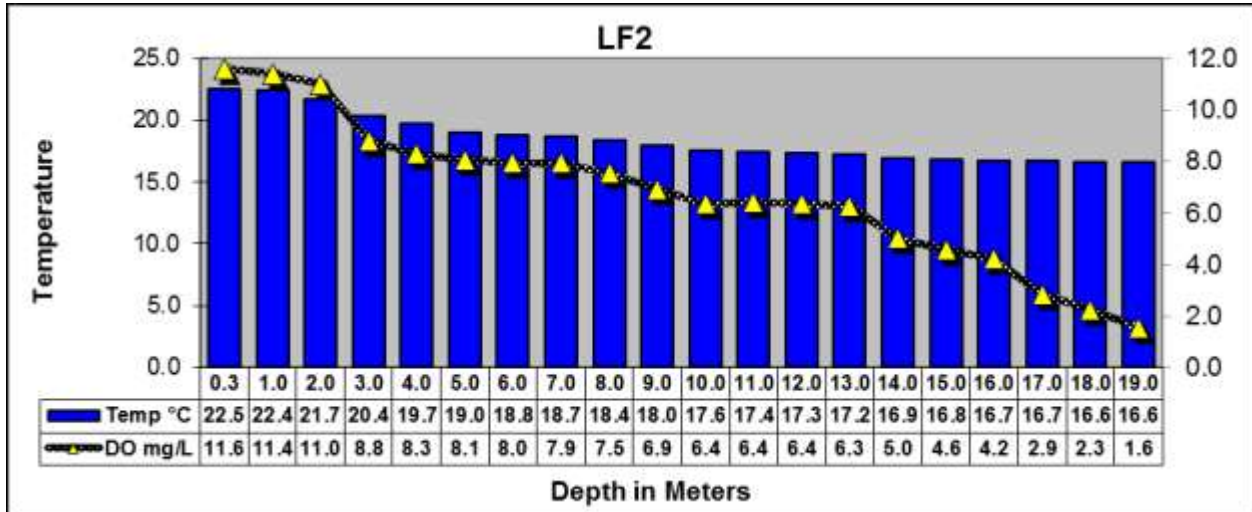
Segment 0506 Water Quality

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
5/9/18 07:33	10428(SR17)	0.3	23.1	7.0	7.0	83	566	362	0.15	52.6	158
5/9/18 06:43	10429(SR19)	0.3	22.8	7.2	7.0	83	454	290	0.10	79.2	150
5/8/18 13:52	10430(SR21)	0.3	22.3	7.1	6.8	79	410	262	0.10	89.5	240
Segment 0514											
5/9/18 07:05	10468(BS1)	0.3	22.5	6.6	6.7	79	157	100	0.41	24.4	285
Segment 0515											
5/8/18 14:14	10469(LF20)	0.3	22.8	6.7	6.9	81	285	182	0.19	44.8	153
Segment 0512											
5/8/18 12:23	10458(LF2)	0.3	22.5	8.8	11.6	136	133	85	0.93	7.65	2
		1.0	22.4	8.8	11.4	133	134	85			
		2.0	21.7	8.5	11.0	124	132	84			
		3.0	20.4	7.4	8.8	99	132	84			
		4.0	19.7	7.2	8.3	91	131	84			
		5.0	19.0	7.1	8.1	88	130	84			
		6.0	18.8	7.1	8.0	86	131	84			
		7.0	18.7	7.0	7.9	86	131	84			
		8.0	18.4	7.0	7.5	81	131	84			
		9.0	18.0	6.9	6.9	74	131	84			
		10.0	17.6	6.8	6.4	67	131	84			
		11.0	17.4	6.8	6.4	68	131	84			
		12.0	17.3	6.7	6.4	67	131	84			
		13.0	17.2	6.7	6.3	66	131	84			
		14.0	16.9	6.6	5.0	52	131	84			
		15.0	16.8	6.6	4.6	48	131	84			
		16.0	16.7	6.6	4.2	43	131	84			
		17.0	16.7	6.5	2.9	30	134	86			
		18.0	16.6	6.5	2.3	24	135	87			
		19.0	16.6	6.5	1.6	16	138	88			

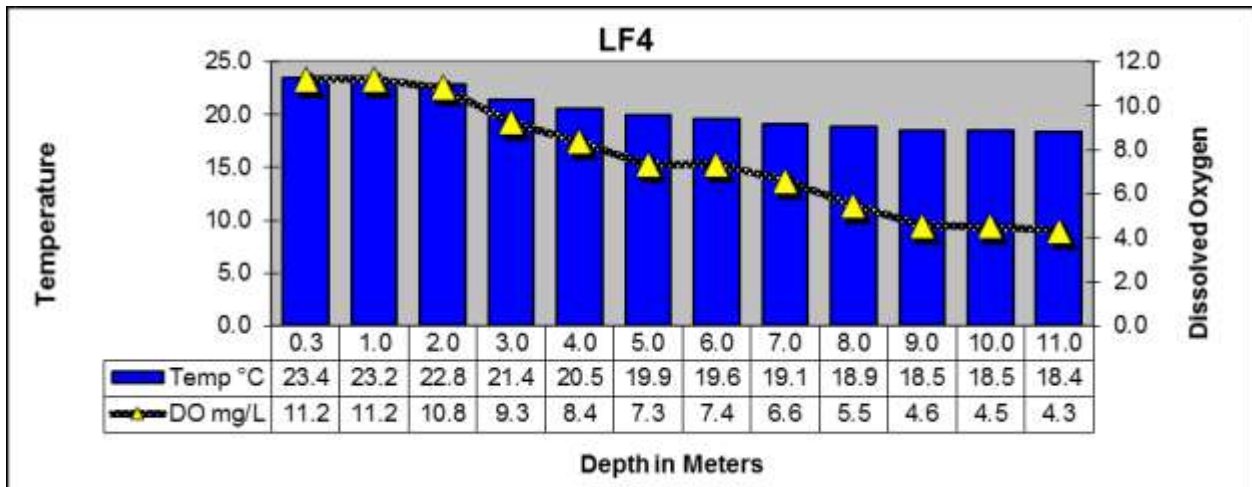
Segment 0506 Water Quality Continued

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
5/8/18 11:16	10462(LF4)	0.3	23.4	8.4	11.2	133	136	87	0.58	10.3	5
		1.0	23.2	8.5	11.2	133	136	87			
		2.0	22.8	8.4	10.8	127	136	87			
		3.0	21.4	7.7	9.3	106	133	86			
		4.0	20.5	7.4	8.4	93	132	84			
		5.0	19.9	7.1	7.3	82	133	85			
		6.0	19.6	7.1	7.4	81	132	85			
		7.0	19.1	7.0	6.6	72	133	85			
		8.0	18.9	6.8	5.5	59	134	86			
		9.0	18.5	6.8	4.6	50	135	86			
		10.0	18.5	6.7	4.5	49	135	86			
		11.0	18.4	6.7	4.3	47	135	86			
5/8/18 11:40	10461(LF3)	0.3	23.6	8.7	10.6	126	137	88	0.72	8.78	2
		1.0	23.5	8.7	10.6	126	137	88			
		2.0	23.4	8.7	10.6	125	136	87			
		3.0	23.1	8.4	10.1	119	136	87			
		4.0	22.5	7.9	9.2	108	137	88			
		5.0	21.0	7.1	6.5	73	136	87			
		6.0	20.0	6.9	5.8	64	136	87			
		7.0	19.7	6.8	5.6	62	136	87			
		8.0	19.4	6.7	5.1	56	136	87			
		9.0	18.7	6.6	3.2	34	139	89			

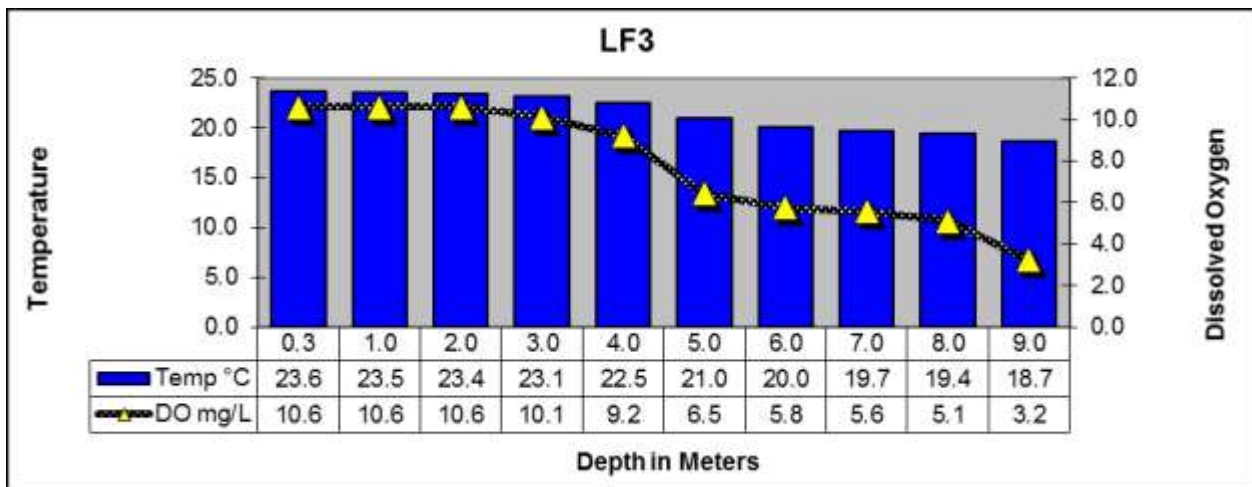
Lake Fork Reservoir Profiles



LAKE FORK RESERVOIR NEAR DAM IN CREEK CHANNEL

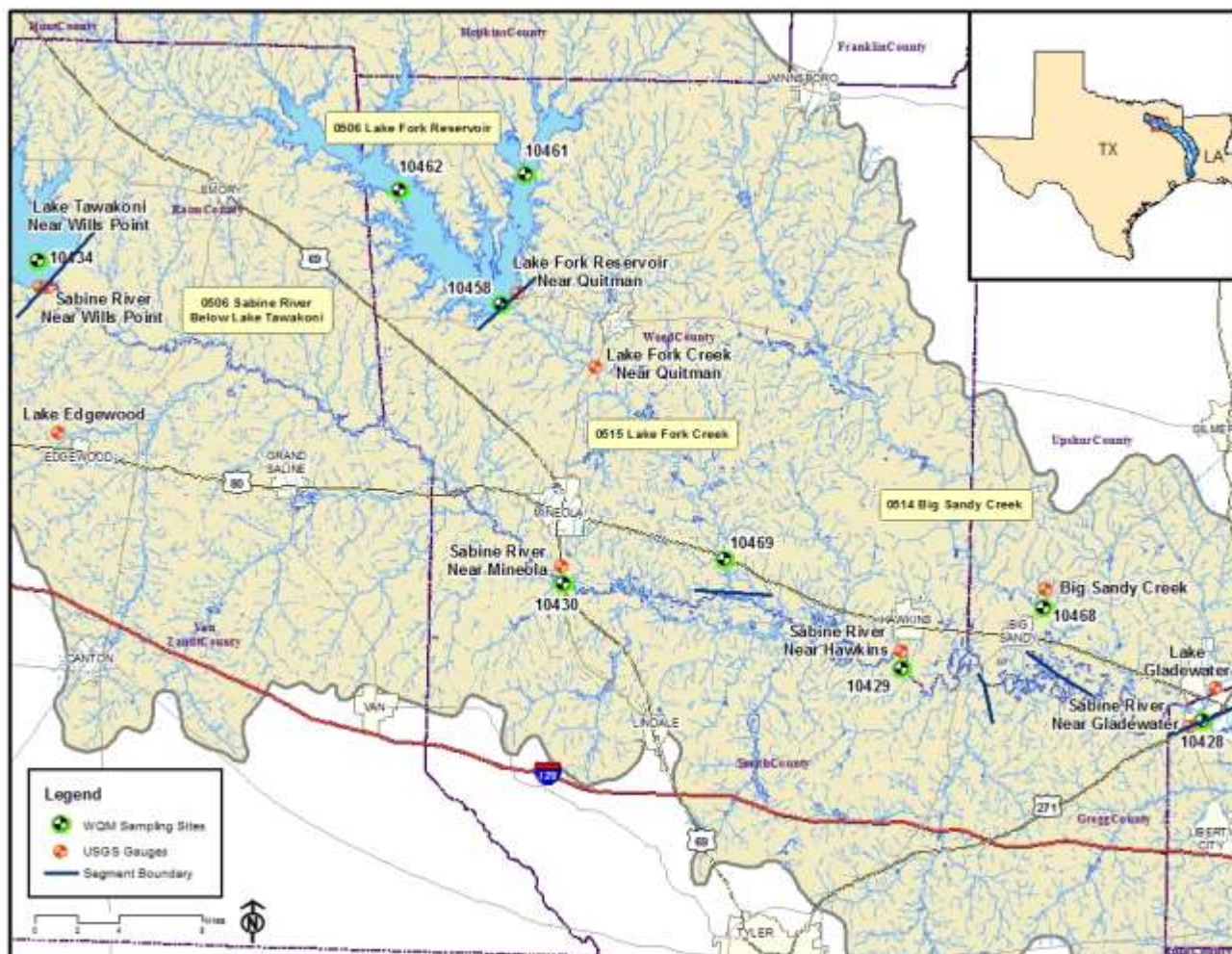


LAKE FORK RESERVOIR MID-COVE IN LAKE FORK CREEK ARM AT FM515



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

Segments 0506, 0512, 0514 & 0515



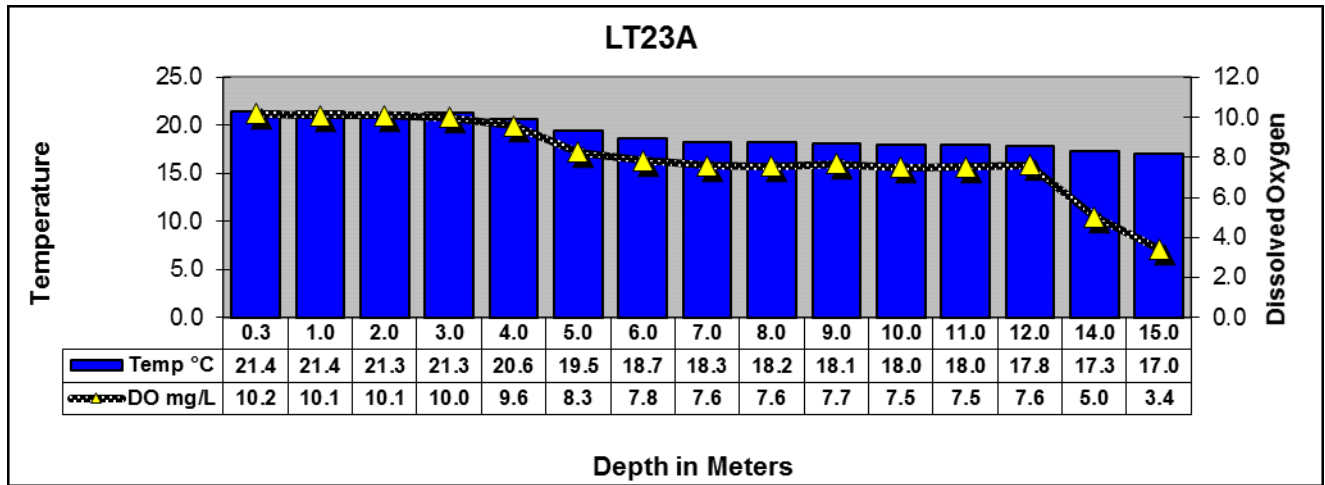
Segment 0507 - Lake Tawakoni

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

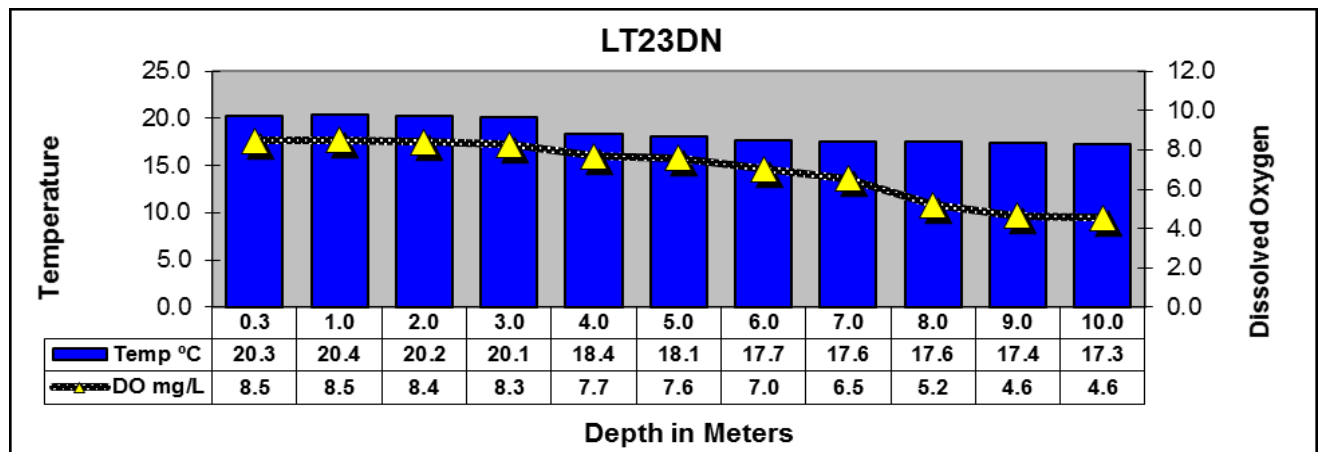
Segment 0507 Water Quality

Date and Time	Station	Depth meters	Temp °C	pH SU	DO mg/L	% Sat	Cond µS/cm	TDS mg/L	Secchi meters	Turbidity NTU	<i>E.coli</i> mpn/100mL
5/8/18 10:07	10434(LT23A)	0.3	21.4	8.2	10.2	117	184	118	0.70	16.1	<1
		1.0	21.4	8.2	10.1	115	184	118			
		2.0	21.3	8.2	10.1	115	184	118			
		3.0	21.3	8.2	10.0	114	184	118			
		4.0	20.6	8.0	9.6	108	184	118			
		5.0	19.5	7.6	8.3	91	184	118			
		6.0	18.7	7.5	7.8	85	184	118			
		7.0	18.3	7.4	7.6	82	184	118			
		8.0	18.2	7.4	7.6	81	185	118			
		9.0	18.1	7.4	7.7	82	184	118			
		10.0	18.0	7.4	7.5	80	185	118			
		11.0	18.0	7.4	7.5	80	184	117			
		12.0	17.8	7.4	7.6	81	184	118			
		13.0	17.6	7.2	6.0	64	185	119			
		14.0	17.3	7.1	5.0	53	186	119			
		15.0	17.0	7.0	3.4	36	187	120			
5/8/18 09:43	21173(LT23DN)	0.3	20.3	7.8	8.5	95	186	119	0.70	16.2	1
		1.0	20.4	7.8	8.5	95	186	119			
		2.0	20.2	7.8	8.4	94	186	119			
		3.0	20.1	7.7	8.3	92	186	119			
		4.0	18.4	7.4	7.7	93	185	118			
		5.0	18.1	7.4	7.6	82	185	118			
		6.0	17.7	7.3	7.0	74	185	118			
		7.0	17.6	7.2	6.5	69	185	119			
		8.0	17.6	7.1	5.2	55	187	120			
		9.0	17.4	7.1	4.6	49	187	120			
		10.0	17.3	7.1	4.6	48	187	119			
5/8/18 09:14	10437(LT23B)	0.3	21.7	8.4	9.8	113	185	119	0.69	15.7	<1
		1.0	21.7	8.4	9.8	113	185	118			
		2.0	21.7	8.4	9.8	112	185	118			
		3.0	21.6	8.4	9.5	109	185	118			
		4.0	21.5	8.3	9.5	109	185	118			
		5.0	19.8	7.6	6.9	78	186	120			
		6.0	19.3	7.4	6.1	67	187	120			
		7.0	18.4	7.3	5.6	60	187	120			
		8.0	18.0	7.2	4.8	51	187	120			

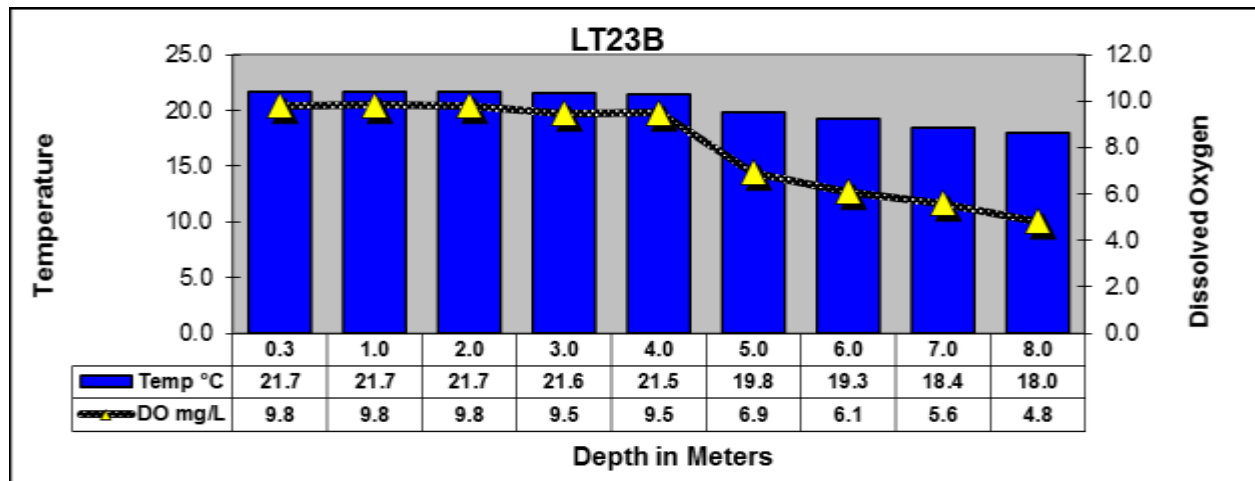
Lake Tawakoni Reservoir Profiles



LAKE TAWAKONI IN THE MAIN LAKE NEAR THE DAM



LAKE TAWAKONI IN WACO BAY EQUIDISTANT FROM FINGER AND SPRING POINTS



LAKE TAWAKONI AT SH276

Segment 0507

