

**Explanation of Column Headings**

**SEGID:** The unique identifier (SegID), segment name, and location of the water body. Items may be one of three types of numbers for SegID. The first type is a classified segment number (4 digits, e.g., 0218), as defined in the Texas Surface Water Quality Standards. The second type is an unclassified water body (e.g., 0218A), not defined in the Standards and associated with a classified water body because it is in the same watershed. The third type includes special Segments for Oyster Water Use (e.g., 2421OW) and Beach Watch Use (e.g., 2481CB) special areas. The segment name and description follow SegID.

**AU ID:** Identifies the assessment unit (AU\_ID, six or seven digits, e.g., 0101A\_01) and describes the location of the specific area within a classified or unclassified water body for which one or more water quality standards are not met.

**Start Date:** The start date of the period of record data for this method was selected; the official 2022 period of record is from 12/1/2013 to 11/30/2020. In some cases it may be necessary to extend the period of record back 10 years (12/1/2010) to select more data, according to assessment guidance.

**End Date:** The end date of the period of record data for this method was selected; the official 2022 period of record dates are 12/1/2013 to 11/30/2020. In some cases more recently collected data than 12/01/2020 can be included, if available

**#Data Assessed:** Number of samples assessed some data are averaged, as with profile data, some are eliminated because criteria do not apply during certain conditions such as a s low flow.

**Mean Data Assessed:** Mean of samples assessed includes averaged methods like chronic criteria as well as geometric mean calculations for bacteria.

**# Exceedances:** Number of samples that exceed criteria for single sample, or binomial, methods (not averaged data).

**Mean Exceedances:** Mean of the samples that exceeded criteria for the single sample, or binomial, methods (not averaged data).

**Criteria:** Value that the data is compared to determine the level of support; Note: for acute metals in water, each value is compared to a calculated criterion and not all criteria could be reported here, only the minimum in the range of criteria calculated are included.

**DS Qual:** Dataset Qualifier - indicates characteristics of the methods or dataset used in the assessment:

- AD:** Adequate Data (10 or more samples).
- LD:** Limited Data (less than 9, greater than 3).
- ID:** Inadequate Data (less than 4).
- JQ:** Level of support is based on judgment of the assessor.
- SM:** This assessment method is superseded by another method.
- TR:** Temporally Not Representative, used with NA.
- SR:** Spatially Not Representative, used with NA.
- OE:** Other information than ambient samples evaluated.
- OS:** Assessment area outside state boundaries.

**LOS:** Level of support for this use, method, assessment parameter:

- FS:** Fully Supporting.
- NC:** No Concern.
- NA:** Not Assessed.
- NS:** Nonsupport.
- CS:** Screening Level Concern.
- CN:** Use Concern.

**CF:** Carry Forward indicates that the Integrated level of support of CS, CN, or NS was carried forward from a previous assessment due to inadequate data for this method in this assessment.

**Int LOS:** Integrated level of support. This is the overall level of support for this use, method, parameter group, which could be different from the LOS (described above) due to carry forward information or other types of changes. New Code added in 2010: PI = Pending Issue

**TCEQ Cause:** This is the impairment description (e.g., bacteria, depressed dissolved oxygen, etc.).

**Cat:**

**Category 3:** There is insufficient or unreliable available data and/or information to make a use support determination.

**Category 4:** Available data and/or information indicate that at least one designated use is not being supported or is threatened, but a TMDL is not needed.

**Category 4a:** A state-developed TMDL has been approved by EPA or a TMDL has been established by EPA for any water-pollutant combination.

**Category 4b:** Other required control measures are expected to result in the attainment of an applicable water quality standard in a reasonable period of time.

**Category 4c:** The impairment or threat is not caused by a pollutant.

**Category 5:** Available data and/or information indicate that at least one designated use is not being supported or is threatened, and a TMDL is needed.

**Category 5a:** A TMDL is underway, scheduled, or will be scheduled.

**Category 5b:** A review of the standards for the water body will be conducted before a management strategy is selected.

**Category 5c:** Additional data and information will be collected or evaluated before a management strategy is selected.

**Category 5n:** Water body does not meet its applicable Chl a criterion, but additional study is needed to verify whether exceedance is associated with causal nutrient parameters or impacts to response variables.

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0501 - Sabine River Tidal**

**AU ID: 0501\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Selenium	12/01/13	11/30/20	564	1	.	0	.	ID	NA	N	NA		
	Chronic Toxic Substances in water	Selenium	12/01/13	11/30/20	136	1	17	0	.	ID	NA	N	NA		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	77	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	4	77	.	0	.	AD	NC	N	NC		
Fish Consumption Use	DSHS Limited Consumption Advisory	PCBs	12/01/13	11/30/20	.	0	.	.	.	OE	NS	N	NS	PCBs in edible tissue	5a
	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	1140	7	2.86	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	3.83	6	0.28	0	.	LD	NC	N	NC		
General Use	High pH	pH	12/01/13	11/30/20	8.5	78	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6	78	.	1	5.85	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.66	73	.	0	.	AD	NC	N	NC		
	Water Temperature	Water temperature	12/01/13	11/30/20	35	78	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	Enterococcus	12/01/13	11/30/20	35	78	41.35	1	.	AD	NS	N	NS	Bacteria in water	5c

**Seg ID: 0501 - Sabine River Tidal**

**AU ID: 0501\_02**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Cadmium (dissolved)	12/01/13	11/30/20	40	7	.	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	564	7	.	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	149	7	.	0	.	LD	NC	N	NC		
		Zinc (dissolved)	12/01/13	11/30/20	92.7	6	.	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	13.5	6	.	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	118	7	.	0	.	LD	NC	N	NC		
		Silver (ionic)	12/01/13	11/30/20	2	6	.	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	133	6	.	0	.	LD	NC	N	NC		
	Chronic Toxic Substances in water	Cadmium (dissolved)	12/01/13	11/30/20	8.75	7	0.11	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	13.1	7	2.86	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	5.3	6	0.28	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	3.6	6	0.92	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	78	7	1	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	136	7	0.5	0	.	LD	NC	N	NC		
		Zinc (dissolved)	12/01/13	11/30/20	84.2	6	3.25	0	.	LD	NC	N	NC		
Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	78	.	1	2.93	AD	FS	N	FS			
Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	4	78	.	3	3.32	AD	NC	N	NC			
Fish Consumption Use	DSHS Limited Consumption Advisory	PCBs	12/01/13	11/30/20	.	0	.	.	.	OE	NS	N	NS	PCBs in edible tissue	5a
	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	1140	7	2.86	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	3.83	6	0.28	0	.	LD	NC	N	NC		
General Use	High pH	pH	12/01/13	11/30/20	8.5	78	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6	78	.	2	5.95	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.66	73	.	0	.	AD	NC	N	NC		
	Water Temperature	Water temperature	12/01/13	11/30/20	35	78	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	Enterococcus	12/01/13	11/30/20	35	77	41.37	1	.	AD	NS	N	NS	Bacteria in water	5c

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0501 - Sabine River Tidal**

**AU ID: 0501\_03**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Selenium	12/01/13	11/30/20	564	2	.	0	.	ID	NA	N	NA		
	Chronic Toxic Substances in water	Selenium	12/01/13	11/30/20	136	2	0.5	0	.	ID	NA	N	NA		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	64	.	2	2.13	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	4	64	.	4	2.94	AD	NC	N	NC		
Fish Consumption Use	DSHS Limited Consumption Advisory	PCBs	12/01/13	11/30/20	.	0	.	.	.	OE	NS	N	NS	PCBs in edible tissue	5a
	HH Bioaccumulative Toxics in water	Lead (dissolved)	12/01/13	11/30/20	3.83	6	0.28	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	1140	7	2.86	0	.	LD	NC	N	NC		
General Use	High pH	pH	12/01/13	11/30/20	8.5	64	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6	64	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Nitrate	12/01/13	11/30/20	1.1	62	.	0	.	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.46	26	.	3	0.72	AD	NC	N	NC		
		Total phosphorus	12/01/13	11/30/20	0.66	59	.	0	.	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	35	64	.	0	.	AD	FS	N	FS			

**Seg ID: 0501B - Little Cypress Bayou**

**AU ID: 0501B\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Chronic Ambient Toxicity tests in water	Chronic ambient toxicity in freshwater (D. pulex)	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	NS	Toxicity in water	5c
	Dissolved Oxygen 24hr average	Dissolved oxygen 24hr Avg	12/01/13	11/30/20	4	8	.	4	3.19	LD	NS	N	NS	Depressed dissolved oxygen in water	5b
	Dissolved Oxygen 24hr minimum	Dissolved oxygen 24hr Min	12/01/13	11/30/20	3	8	.	6	2.08	LD	NS	N	NS	Depressed dissolved oxygen in water	5b
Recreation Use	Bacteria Geomean	Enterococcus	12/01/13	11/30/20	35	8	246.62	1	.	LD	CN	Y	NS	Bacteria in water	5b

**Seg ID: 0501B - Little Cypress Bayou**

**AU ID: 0501B\_02**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Chronic Ambient Toxicity tests in water	Chronic ambient toxicity in freshwater (D. pulex)	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	NS	Toxicity in water	5c
	Dissolved Oxygen 24hr average	Dissolved oxygen 24hr Avg	12/01/13	11/30/20	4	8	.	4	2.49	LD	NS	N	NS	Depressed dissolved oxygen in water	5b
	Dissolved Oxygen 24hr minimum	Dissolved oxygen 24hr Min	12/01/13	11/30/20	3	8	.	5	1.42	LD	NS	N	NS	Depressed dissolved oxygen in water	5b
Recreation Use	Bacteria Geomean	Enterococcus	12/01/13	11/30/20	35	8	683.52	1	.	LD	CN	Y	NS	Bacteria in water	5b

**Seg ID: 0501B - Little Cypress Bayou**

**AU ID: 0501B\_03**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Chronic Ambient Toxicity tests in water	Chronic ambient toxicity in freshwater (D. pulex)	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	NS	Toxicity in water	5c
	Dissolved Oxygen 24hr average	Dissolved oxygen 24hr Avg	12/01/13	11/30/20	4	8	.	5	2	LD	NS	N	NS	Depressed dissolved oxygen in water	5b
	Dissolved Oxygen 24hr minimum	Dissolved oxygen 24hr Min	12/01/13	11/30/20	3	8	.	5	0.99	LD	NS	N	NS	Depressed dissolved oxygen in water	5b
Recreation Use	Bacteria Geomean	Enterococcus	12/01/13	11/30/20	35	8	500.58	1	.	LD	CN	Y	NS	Bacteria in water	5b

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0502 - Sabine River Above Tidal  
AU ID: 0502\_02**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	39.85	5	.	0	.	LD	NC	N	NC		
		Silver (ionic)	12/01/13	11/30/20	0.8	5	.	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	20	6	.	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	159.5	6	.	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	200.87	6	.	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	340	6	.	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	15.77	5	.	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	4.28	5	.	0	.	LD	NC	N	NC		
	Cadmium (dissolved)	12/01/13	11/30/20	2.49	5	.	0	.	LD	NC	N	NC			
	Chronic Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	35.26	5	4.2	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	15.55	6	2.92	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	150	6	1	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	5	6	0.5	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	2.8	5	1.16	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	23.03	6	3.67	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	0.52	5	0.21	0	.	LD	NC	N	NC		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	52	.	0	.	AD	FS	N	FS		
Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	52	.	0	.	AD	NC	N	NC			
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	6	0.5	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	1.15	5	0.31	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	332	6	2.92	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	5	5	0.05	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	10	6	1	0	.	LD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	10	54	0.07	0	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Lead (dissolved)	12/01/13	11/30/20	1.15	5	0.31	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	332	6	2.92	0	.	LD	NC	N	NC		
General Use	Dissolved Solids	Sulfate	12/01/13	11/30/20	50	56	19.43	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	56	10.4	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	200	54	90.45	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	8.5	52	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6	52	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Ammonia	12/01/13	11/30/20	0.33	21	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	54	.	0	.	AD	NC	N	NC		
		Total phosphorus	12/01/13	11/30/20	0.69	52	.	0	.	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	32.8	52	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	56	25.7	0	.	AD	FS	N	FS		

**Seg ID: 0502 - Sabine River Above Tidal  
AU ID: 0502\_03**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nickel (dissolved)	12/01/13	11/30/20	332	6	2.92	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	50	6	0.5	0	.	LD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	10	54	0.07	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	5	0.31	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	10	6	1	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	5	5	0.05	0	.	LD	NC	N	NC		

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0502 - Sabine River Above Tidal  
AU ID: 0502\_03**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
General Use	Dissolved Solids	Chloride	12/01/13	11/30/20	50	56	10.4	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	200	54	90.45	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	56	19.43	0	.	AD	FS	N	FS		

**Seg ID: 0502 - Sabine River Above Tidal  
AU ID: 0502\_04**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	6	0.5	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	10	6	1	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	5	5	0.05	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	332	6	2.92	0	.	LD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	10	54	0.07	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	5	0.31	0	.	LD	NC	N	NC		
General Use	Dissolved Solids	Chloride	12/01/13	11/30/20	50	56	10.4	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	56	19.43	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	200	54	90.45	0	.	AD	FS	N	FS		

**Seg ID: 0502 - Sabine River Above Tidal  
AU ID: 0502\_05**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	6	0.5	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	332	6	2.92	0	.	LD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	10	54	0.07	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	5	0.31	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	10	6	1	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	5	5	0.05	0	.	LD	NC	N	NC		
General Use	Dissolved Solids	Sulfate	12/01/13	11/30/20	50	56	19.43	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	56	10.4	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	200	54	90.45	0	.	AD	FS	N	FS		

**Seg ID: 0502A - Nichols Creek  
AU ID: 0502A\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen 24hr average	Dissolved oxygen 24hr Avg	12/01/13	11/30/20	3	0	.	.	.	ID	NA	Y	NS	Depressed dissolved oxygen in water	5b
	Dissolved Oxygen 24hr minimum	Dissolved oxygen 24hr Min	12/01/13	11/30/20	2	0	.	.	.	ID	NA	Y	NS	Depressed dissolved oxygen in water	5b
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	630	0	.	.	.	ID	NA	Y	NS	Bacteria in water	5c

**Seg ID: 0502B - Caney Creek  
AU ID: 0502B\_02**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	0	.	.	.	ID	NA	Y	NS	Bacteria in water	5c

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0502E - Cypress Creek  
AU ID: 0502E\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen 24hr average	Dissolved oxygen 24hr Avg	12/01/13	11/30/20	5	0	.	.	.	ID	NA	Y	NS	Depressed dissolved oxygen in water	5b
	Dissolved Oxygen 24hr minimum	Dissolved oxygen 24hr Min	12/01/13	11/30/20	3	0	.	.	.	ID	NA	Y	NS	Depressed dissolved oxygen in water	5b
	Habitat	Habitat	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CS	Impaired habitat in water	
	Macrobenthic community (Qualitative)	Macrobenthic community	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CN	Impaired macrobenthic community in water	

**Seg ID: 0503 - Sabine River Above Caney Creek  
AU ID: 0503\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	73	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	73	.	0	.	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	213	0.07	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	200	215	89.13	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	219	16.42	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	219	12.04	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	8.5	73	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6	73	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	71	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	73	.	0	.	AD	NC	N	NC		
Ammonia		12/01/13	11/30/20	0.33	29	.	0	.	AD	NC	N	NC			
Water Temperature	Water temperature	12/01/13	11/30/20	32.8	73	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	76	27.02	0	.	AD	FS	N	FS		

**Seg ID: 0503 - Sabine River Above Caney Creek  
AU ID: 0503\_02**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	213	0.07	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	200	215	89.13	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	219	16.42	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	219	12.04	0	.	AD	FS	N	FS		

**Seg ID: 0503 - Sabine River Above Caney Creek  
AU ID: 0503\_03**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	130	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	130	.	0	.	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	213	0.07	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	200	215	89.13	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	219	16.42	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	219	12.04	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	8.5	130	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6	130	.	0	.	AD	FS	N	FS		

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0503 - Sabine River Above Caney Creek**

**AU ID: 0503\_03**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
General Use	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	133	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	140	.	0	.	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	29	.	0	.	AD	NC	N	NC		
	Water Temperature	Water temperature	12/01/13	11/30/20	32.8	130	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	143	13.84	0	.	AD	FS	N	FS		

**Seg ID: 0504 - Toledo Bend Reservoir**

**AU ID: 0504\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	39.85	6	.	0	.	LD	NC	N	NC		
		Silver (ionic)	12/01/13	11/30/20	0.8	6	.	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	20	7	.	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	15.77	6	.	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	159.5	7	.	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	2.49	7	.	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	340	7	.	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	200.87	7	.	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	4.28	6	.	0	.	LD	NC	N	NC		
	Chronic Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	40.18	6	2.5	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	5	7	0.5	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	0.61	6	0.16	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	17.72	7	3.21	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	3.19	6	0.92	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	0.1	7	0.05	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	26.13	7	3.86	0	.	LD	NC	N	NC		
	Dissolved Oxygen grab minimum Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	3	76	.	0	.	AD	FS	N	FS		
		Dissolved oxygen Grab	12/01/13	11/30/20	5	76	.	0	.	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	41	0.5	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	451	0.05	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	41	1.02	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	41	0.05	0	.	AD	FS	N	FS		
Fish Consumption Use	DSHS Limited Consumption Advisory	Mercury	12/01/13	11/30/20	.	0	.	.	.	OE	NS	N	NS	Mercury in edible tissue	5c
	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	240	452	86.16	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	459	14.53	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	70	459	12.44	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	8.5	76	.	2	8.63	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6	76	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.2	72	.	1	0.34	JQ	NA	N	NA		
		Nitrate	12/01/13	11/30/20	0.37	76	.	0	.	JQ	NA	N	NA		
		Chlorophyll-a	12/01/13	11/30/20	26.7	75	.	0	.	JQ	NA	N	NA		
Water Temperature	Water temperature	12/01/13	11/30/20	33.9	76	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	77	1.02	0	.	AD	FS	N	FS		

2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River

Seg ID: 0504 - Toledo Bend Reservoir

AU ID: 0504\_02

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat	
Aquatic Life Use	Acute Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	49.31	6	.	0	.	LD	NC	N	NC			
		Selenium	12/01/13	11/30/20	20	7	.	0	.	LD	NC	N	NC			
		Nickel (dissolved)	12/01/13	11/30/20	197.29	7	.	0	.	LD	NC	N	NC			
		Lead (dissolved)	12/01/13	11/30/20	20.9	6	.	0	.	LD	NC	N	NC			
		Silver (ionic)	12/01/13	11/30/20	0.8	6	.	0	.	LD	NC	N	NC			
		Copper (dissolved)	12/01/13	11/30/20	5.42	6	.	0	.	LD	NC	N	NC			
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	246.78	7	.	0	.	LD	NC	N	NC			
		Arsenic (dissolved)	12/01/13	11/30/20	340	7	.	0	.	LD	NC	N	NC			
	Chronic Toxic Substances in water	Cadmium (dissolved)	12/01/13	11/30/20	3.18	7	.	0	.	LD	NC	N	NC			
		Zinc (dissolved)	12/01/13	11/30/20	40.18	6	2.5	0	.	LD	NC	N	NC			
		Nickel (dissolved)	12/01/13	11/30/20	17.72	7	3	0	.	LD	NC	N	NC			
		Cadmium (dissolved)	12/01/13	11/30/20	0.1	7	0.05	0	.	LD	NC	N	NC			
		Selenium	12/01/13	11/30/20	5	7	0.5	0	.	LD	NC	N	NC			
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	26.13	7	3.86	0	.	LD	NC	N	NC			
		Copper (dissolved)	12/01/13	11/30/20	3.19	6	0.83	0	.	LD	NC	N	NC			
Dissolved Oxygen grab minimum	Dissolved oxygen Grab	Arsenic (dissolved)	12/01/13	11/30/20	150	7	1	0	.	LD	NC	N	NC			
		Lead (dissolved)	12/01/13	11/30/20	0.61	6	0.14	0	.	LD	NC	N	NC			
Dissolved Oxygen grab screening level	Dissolved oxygen Grab	Dissolved oxygen Grab	12/01/13	11/30/20	3	78	.	0	.	AD	FS	N	FS			
		Dissolved oxygen Grab	12/01/13	11/30/20	5	78	.	3	4.29	AD	NC	N	NC			
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	451	0.05	0	.	AD	FS	N	FS			
		Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS			
		Selenium	12/01/13	11/30/20	50	41	0.5	0	.	AD	FS	N	FS			
		Cadmium (dissolved)	12/01/13	11/30/20	5	41	0.05	0	.	AD	FS	N	FS			
		Arsenic (dissolved)	12/01/13	11/30/20	10	41	1.02	0	.	AD	FS	N	FS			
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS			
Fish Consumption Use	DSHS Limited Consumption Advisory	Mercury	12/01/13	11/30/20	.	0	.	.	.	OE	NS	N	NS	Mercury in edible tissue	5c	
	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS			
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS			
General Use	Dissolved Solids	Sulfate	12/01/13	11/30/20	50	459	14.53	0	.	AD	FS	N	FS			
		Total dissolved solids	12/01/13	11/30/20	240	452	86.16	0	.	AD	FS	N	FS			
		Chloride	12/01/13	11/30/20	70	459	12.44	0	.	AD	FS	N	FS			
	High pH	pH	High pH	12/01/13	11/30/20	8.5	78	.	0	.	AD	FS	N	FS		
			Low pH	12/01/13	11/30/20	6	78	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	Total phosphorus	12/01/13	11/30/20	0.2	73	.	0	.	JQ	NA	N	NA		
			Nitrate	12/01/13	11/30/20	0.37	77	.	0	.	JQ	NA	N	NA		
Water Temperature	Water temperature	12/01/13	11/30/20	33.9	78	.	0	.	AD	FS	N	FS				
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	78	2.83	0	.	AD	FS	N	FS			

Seg ID: 0504 - Toledo Bend Reservoir

AU ID: 0504\_03

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Lead (dissolved)	12/01/13	11/30/20	15.77	6	.	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	2.49	7	.	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	340	7	.	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	200.87	7	.	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	4.28	6	.	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	159.5	7	.	0	.	LD	NC	N	NC		
		Zinc (dissolved)	12/01/13	11/30/20	39.85	6	.	0	.	LD	NC	N	NC		
		Silver (ionic)	12/01/13	11/30/20	0.8	6	.	0	.	LD	NC	N	NC		
Selenium	12/01/13	11/30/20	20	7	.	0	.	LD	NC	N	NC				

2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River

Seg ID: 0504 - Toledo Bend Reservoir

AU ID: 0504\_03

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Chronic Toxic Substances in water	Arsenic (dissolved)	12/01/13	11/30/20	150	7	1.14	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	0.61	6	0.24	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	3.19	6	1.67	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	0.1	7	0.05	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	26.13	7	3.86	0	.	LD	NC	N	NC		
		Zinc (dissolved)	12/01/13	11/30/20	40.18	6	3.75	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	5	7	0.5	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	17.72	7	3	0	.	LD	NC	N	NC		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	78	.	0	.	AD	FS	N	FS		
Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	78	.	1	4.52	AD	NC	N	NC			
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Arsenic (dissolved)	12/01/13	11/30/20	10	41	1.02	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	41	0.05	0	.	AD	FS	N	FS		
		Selenium	12/01/13	11/30/20	50	41	0.5	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	451	0.05	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS		
Fish Consumption Use	DSHS Limited Consumption Advisory	Mercury	12/01/13	11/30/20	.	0	.	.	.	OE	NS	N	NS	Mercury in edible tissue	5c
	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Chloride	12/01/13	11/30/20	70	459	12.44	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	459	14.53	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	240	452	86.16	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	8.5	78	.	2	8.75	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6	78	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Nitrate	12/01/13	11/30/20	0.37	77	.	0	.	JQ	NA	N	NA		
		Total phosphorus	12/01/13	11/30/20	0.2	73	.	0	.	JQ	NA	N	NA		
Water Temperature	Water temperature	12/01/13	11/30/20	33.9	78	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	78	5.1	0	.	AD	FS	N	FS		

Seg ID: 0504 - Toledo Bend Reservoir

AU ID: 0504\_04

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	44.62	6	.	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	20	7	.	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	178.58	7	.	0	.	LD	NC	N	NC		
		Silver (ionic)	12/01/13	11/30/20	0.8	6	.	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	18.32	6	.	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	4.85	6	.	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	224.08	7	.	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	2.83	7	.	0	.	LD	NC	N	NC		
	Chronic Toxic Substances in water	Arsenic (dissolved)	12/01/13	11/30/20	340	7	.	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	5	7	0.5	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	3.19	6	0.92	0	.	LD	NC	N	NC		
		Zinc (dissolved)	12/01/13	11/30/20	40.18	6	2.5	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	0.61	6	0.16	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	26.13	7	3.86	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	150	7	1	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	0.1	7	0.05	0	.	LD	NC	N	NC		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	77	.	0	.	AD	FS	N	FS		
	Nickel (dissolved)	12/01/13	11/30/20	17.72	7	4.64	0	.	.	LD	NC	N	NC		

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0504 - Toledo Bend Reservoir**

**AU ID: 0504\_04**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	77	.	2	4.5	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	41	0.5	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	451	0.05	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	41	0.05	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	41	1.02	0	.	AD	FS	N	FS		
Fish Consumption Use	DSHS Limited Consumption Advisory	Mercury	12/01/13	11/30/20	.	0	.	.	.	OE	NS	N	NS	Mercury in edible tissue	5c
	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Sulfate	12/01/13	11/30/20	50	459	14.53	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	240	452	86.16	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	70	459	12.44	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	8.5	77	.	3	8.68	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6	77	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.2	72	.	0	.	JQ	NA	N	NA		
		Nitrate	12/01/13	11/30/20	0.37	73	.	0	.	JQ	NA	N	NA		
	Water Temperature	Water temperature	12/01/13	11/30/20	33.9	77	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	77	0.82	0	.	AD	FS	N	FS		

**Seg ID: 0504 - Toledo Bend Reservoir**

**AU ID: 0504\_05**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	44.62	6	.	0	.	LD	NC	N	NC		
		Silver (ionic)	12/01/13	11/30/20	0.8	6	.	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	18.32	6	.	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	20	7	.	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	4.85	6	.	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	178.58	7	.	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	2.83	7	.	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	340	7	.	0	.	LD	NC	N	NC		
	Chromium (Tri)(dissolved)	12/01/13	11/30/20	224.08	7	.	0	.	LD	NC	N	NC			
	Chronic Toxic Substances in water	Selenium	12/01/13	11/30/20	5	7	0.5	0	.	LD	NC	N	NC		
		Zinc (dissolved)	12/01/13	11/30/20	40.18	6	2.5	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	26.13	7	3.86	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	0.61	6	0.2	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	3.19	6	1.17	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	0.1	7	0.05	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	17.72	7	3.5	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	150	7	1	0	.	LD	NC	N	NC		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	78	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	78	.	5	4.28	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	41	0.5	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	451	0.05	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	41	0.05	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	41	1.02	0	.	AD	FS	N	FS		

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0504 - Toledo Bend Reservoir**

**AU ID: 0504\_05**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Fish Consumption Use	DSHS Limited Consumption Advisory	Mercury	12/01/13	11/30/20	.	0	.	.	.	OE	NS	N	NS	Mercury in edible tissue	5c
	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	240	452	86.16	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	70	459	12.44	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	459	14.53	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	8.5	78	.	2	8.6	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6	78	.	2	5.8	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.2	73	.	0	.	JQ	NA	N	NA		
		Nitrate	12/01/13	11/30/20	0.37	78	.	0	.	JQ	NA	N	NA		
Water Temperature	Water temperature	12/01/13	11/30/20	33.9	78	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	78	5.33	0	.	AD	FS	N	FS		

**Seg ID: 0504 - Toledo Bend Reservoir**

**AU ID: 0504\_06**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	41	0.5	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	451	0.05	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	41	0.05	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	41	1.02	0	.	AD	FS	N	FS		
Fish Consumption Use	DSHS Limited Consumption Advisory	Mercury	12/01/13	11/30/20	.	0	.	.	.	OE	NS	N	NS	Mercury in edible tissue	5c
	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	240	452	86.16	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	459	14.53	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	70	459	12.44	0	.	AD	FS	N	FS		

**Seg ID: 0504 - Toledo Bend Reservoir**

**AU ID: 0504\_07**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	41	0.5	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	41	0.05	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	41	1.02	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	451	0.05	0	.	AD	FS	N	FS		
Fish Consumption Use	DSHS Limited Consumption Advisory	Mercury	12/01/13	11/30/20	.	0	.	.	.	OE	NS	N	NS	Mercury in edible tissue	5c
	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS		

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0504 - Toledo Bend Reservoir**

**AU ID: 0504\_07**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	240	452	86.16	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	459	14.53	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	70	459	12.44	0	.	AD	FS	N	FS		

**Seg ID: 0504 - Toledo Bend Reservoir**

**AU ID: 0504\_08**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	41	0.5	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	451	0.05	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	41	0.05	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	41	1.02	0	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	240	452	86.16	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	459	14.53	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	70	459	12.44	0	.	AD	FS	N	FS		

**Seg ID: 0504 - Toledo Bend Reservoir**

**AU ID: 0504\_09**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	41	0.5	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	451	0.05	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	41	0.05	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	41	1.02	0	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	240	452	86.16	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	459	14.53	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	70	459	12.44	0	.	AD	FS	N	FS		

**Seg ID: 0504 - Toledo Bend Reservoir**

**AU ID: 0504\_10**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	41	0.5	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	451	0.05	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	41	0.05	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	41	1.02	0	.	AD	FS	N	FS		

2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River

Seg ID: 0504 - Toledo Bend Reservoir

AU ID: 0504\_10

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Sulfate	12/01/13	11/30/20	50	459	14.53	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	240	452	86.16	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	70	459	12.44	0	.	AD	FS	N	FS		

Seg ID: 0504 - Toledo Bend Reservoir

AU ID: 0504\_11

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	39.85	5	.	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	159.5	6	.	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	20	6	.	0	.	LD	NC	N	NC		
		Silver (ionic)	12/01/13	11/30/20	0.8	5	.	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	15.77	5	.	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	4.28	5	.	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	200.87	6	.	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	2.49	6	.	0	.	LD	NC	N	NC		
	Chronic Toxic Substances in water	Arsenic (dissolved)	12/01/13	11/30/20	340	6	.	0	.	LD	NC	N	NC		
		Zinc (dissolved)	12/01/13	11/30/20	40.18	5	2.5	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	5	6	0.5	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	17.72	6	5.17	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	0.61	5	0.15	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	26.13	6	3.67	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	0.1	6	0.05	0	.	LD	NC	N	NC		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	71	.	0	.	AD	FS	N	FS		
			12/01/13	11/30/20	5	71	.	5	4.54	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	41	0.5	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	451	0.05	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	41	1.02	0	.	AD	FS	N	FS		
Fish Consumption Use	DSHS Limited Consumption Advisory	Mercury	12/01/13	11/30/20	.	0	.	.	.	OE	NS	N	NS	Mercury in edible tissue	5c
			12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	240	452	86.16	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	459	14.53	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	70	459	12.44	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	8.5	71	.	3	8.7	AD	FS	N	FS		
			12/01/13	11/30/20	6	71	.	1	5.3	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.2	68	.	0	.	JQ	NA	N	NA		
		Nitrate	12/01/13	11/30/20	0.37	70	.	0	.	JQ	NA	N	NA		
Water Temperature	Water temperature	12/01/13	11/30/20	33.9	71	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	71	0.96	0	.	AD	FS	N	FS		

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0504 - Toledo Bend Reservoir**

**AU ID: 0504\_12**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	41	0.5	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	451	0.05	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	41	0.05	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	41	1.02	0	.	AD	FS	N	FS		
Fish Consumption Use	DSHS Limited Consumption Advisory	Mercury	12/01/13	11/30/20	.	0	.	.	.	OE	NS	N	NS	Mercury in edible tissue	5c
	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	240	452	86.16	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	459	14.53	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	70	459	12.44	0	.	AD	FS	N	FS		

**Seg ID: 0504 - Toledo Bend Reservoir**

**AU ID: 0504\_13**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	41	0.5	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	451	0.05	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	41	0.05	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	41	1.02	0	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Lead (dissolved)	12/01/13	11/30/20	1.15	35	0.24	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	41	3.72	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Chloride	12/01/13	11/30/20	70	459	12.44	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	459	14.53	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	240	452	86.16	0	.	AD	FS	N	FS		

**Seg ID: 0504E - Clear Lake**

**AU ID: 0504E\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Fish Consumption Use	DSHS Limited Consumption Advisory	Mercury	12/01/13	11/30/20	.	0	.	.	.	OE	NS	N	NS	Mercury in edible tissue	5c

**Seg ID: 0505 - Sabine River Above Toledo Bend Reservoir**

**AU ID: 0505\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Silver (ionic)	12/01/13	11/30/20	0.8	6	.	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	50.61	7	.	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	20	7	.	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	11.51	7	.	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	474.6	7	.	0	.	LD	NC	N	NC		
		Zinc (dissolved)	12/01/13	11/30/20	96.99	7	.	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	387.68	7	.	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	6.91	7	.	0	.	LD	NC	N	NC		
Arsenic (dissolved)	12/01/13	11/30/20	340	7	.	0	.	LD	NC	N	NC				

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0505 - Sabine River Above Toledo Bend Reservoir  
AU ID: 0505\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Chronic Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	56.65	7	2.5	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	5	7	1.21	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	24.96	7	8	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	0.97	7	0.27	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	4.51	7	1.39	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	36.42	7	3.86	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	0.13	7	0.06	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	150	7	1	0	.	LD	NC	N	NC		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	61	.	0	.	AD	FS	N	FS		
Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	61	.	0	.	AD	NC	N	NC			
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	20	1.2	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	178	0.5	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	20	8.6	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	20	0.29	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	20	0.06	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	20	1	0	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	20	8.6	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	20	0.29	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	204	223.78	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	100	187	44.38	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	175	187	44.12	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	8.5	60	.	2	8.65	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6	60	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	57	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	58	.	0	.	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	33.9	62	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	60	31.3	0	.	AD	FS	N	FS		

**Seg ID: 0505 - Sabine River Above Toledo Bend Reservoir  
AU ID: 0505\_02**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nickel (dissolved)	12/01/13	11/30/20	332	20	8.6	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	20	0.29	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	20	0.06	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	20	1	0	.	AD	FS	N	FS		
		Selenium	12/01/13	11/30/20	50	20	1.2	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	178	0.5	0	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	20	8.6	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	20	0.29	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Chloride	12/01/13	11/30/20	175	187	44.12	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	400	204	223.78	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	100	187	44.38	0	.	AD	FS	N	FS		

2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River

Seg ID: 0505 - Sabine River Above Toledo Bend Reservoir  
AU ID: 0505\_03

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Silver (ionic)	12/01/13	11/30/20	0.8	6	.	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	354.62	7	.	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	20	7	.	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	45.08	7	.	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	10.42	7	.	0	.	LD	NC	N	NC		
		Zinc (dissolved)	12/01/13	11/30/20	88.71	7	.	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	435.36	7	.	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	6.24	7	.	0	.	LD	NC	N	NC		
	Arsenic (dissolved)	12/01/13	11/30/20	340	7	.	0	.	LD	NC	N	NC			
	Chronic Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	56.65	7	2.5	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	5	7	1.29	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	24.96	7	9.71	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	0.97	7	0.27	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	4.51	7	1.58	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	36.42	7	3.86	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	0.13	7	0.05	0	.	LD	NC	N	NC		
	Dissolved Oxygen grab minimum Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	3	63	.	0	.	AD	FS	N	FS		
Dissolved oxygen Grab		12/01/13	11/30/20	5	63	.	0	.	AD	NC	N	NC			
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	20	1.2	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	178	0.5	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	20	8.6	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	20	0.29	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	20	0.06	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	20	1	0	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	20	8.6	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	20	0.29	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	204	223.78	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	100	187	44.38	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	175	187	44.12	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	8.5	63	.	4	8.8	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6	63	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	59	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	60	.	3	2.14	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	24	.	0	.	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	33.9	64	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	64	29.85	0	.	AD	FS	N	FS		

Seg ID: 0505 - Sabine River Above Toledo Bend Reservoir  
AU ID: 0505\_04

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	9	.	0	.	TR	NC	N	NA		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	9	.	0	.	TR	NC	N	NA		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	20	1.2	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	178	0.5	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	20	8.6	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	20	0.29	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	20	0.06	0	.	AD	FS	N	FS		

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0505 - Sabine River Above Toledo Bend Reservoir**

**AU ID: 0505\_04**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Arsenic (dissolved)	12/01/13	11/30/20	10	20	1	0	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	20	8.6	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	20	0.29	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	204	223.78	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	100	187	44.38	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	175	187	44.12	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	8.5	9	.	2	8.7	TR	CN	N	NA		
	Low pH	pH	12/01/13	11/30/20	6	9	.	0	.	TR	NC	N	NA		
	Water Temperature	Water temperature	12/01/13	11/30/20	33.9	9	.	0	.	TR	NC	N	NA		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	9	143.15	1	.	TR	CN	Y	NS	Bacteria in water	5c

**Seg ID: 0505 - Sabine River Above Toledo Bend Reservoir**

**AU ID: 0505\_05**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat	
Aquatic Life Use	Acute Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	67.33	6	.	0	.	LD	NC	N	NC			
		Silver (ionic)	08/10/11	11/30/20	0.8	11	.	0	.	AD	FS	N	FS			
		Selenium	12/01/13	11/30/20	20	6	.	0	.	LD	NC	N	NC			
		Nickel (dissolved)	12/01/13	11/30/20	269.28	6	.	0	.	LD	NC	N	NC			
		Lead (dissolved)	12/01/13	11/30/20	31.48	6	.	0	.	LD	NC	N	NC			
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	333.5	6	.	0	.	LD	NC	N	NC			
		Cadmium (dissolved)	12/01/13	11/30/20	4.54	6	.	0	.	LD	NC	N	NC			
		Arsenic (dissolved)	12/01/13	11/30/20	340	6	.	0	.	LD	NC	N	NC			
	Chronic Toxic Substances in water	Copper (dissolved)	12/01/13	11/30/20	7.67	6	.	0	.	LD	NC	N	NC			
		Zinc (dissolved)	12/01/13	11/30/20	56.65	6	3.25	0	.	LD	NC	N	NC			
		Nickel (dissolved)	12/01/13	11/30/20	24.96	6	8	0	.	LD	NC	N	NC			
		Lead (dissolved)	12/01/13	11/30/20	0.97	6	0.3	0	.	LD	NC	N	NC			
		Selenium	12/01/13	11/30/20	5	6	1.08	0	.	LD	NC	N	NC			
		Copper (dissolved)	12/01/13	11/30/20	4.51	6	1	0	.	LD	NC	N	NC			
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	36.42	6	3.67	0	.	LD	NC	N	NC			
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	Dissolved oxygen Grab	12/01/13	11/30/20	3	78	.	0	.	AD	FS	N	FS		
			Dissolved oxygen Grab	12/01/13	11/30/20	5	78	.	0	.	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	20	1.2	0	.	AD	FS	N	FS			
		Nitrate	12/01/13	11/30/20	10	178	0.5	0	.	AD	FS	N	FS			
		Nickel (dissolved)	12/01/13	11/30/20	332	20	8.6	0	.	AD	FS	N	FS			
		Lead (dissolved)	12/01/13	11/30/20	1.15	20	0.29	0	.	AD	FS	N	FS			
		Cadmium (dissolved)	12/01/13	11/30/20	5	20	0.06	0	.	AD	FS	N	FS			
	Arsenic (dissolved)	12/01/13	11/30/20	10	20	1	0	.	AD	FS	N	FS				
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	20	8.6	0	.	AD	FS	N	FS			
		Lead (dissolved)	12/01/13	11/30/20	1.15	20	0.29	0	.	AD	FS	N	FS			
General Use	Dissolved Solids	Sulfate	12/01/13	11/30/20	100	187	44.38	0	.	AD	FS	N	FS			
		Total dissolved solids	12/01/13	11/30/20	400	204	223.78	0	.	AD	FS	N	FS			
		Chloride	12/01/13	11/30/20	175	187	44.12	0	.	AD	FS	N	FS			
	High pH	pH	12/01/13	11/30/20	8.5	78	.	4	8.63	AD	FS	N	FS			
	Low pH	pH	12/01/13	11/30/20	6	78	.	0	.	AD	FS	N	FS			

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0505 - Sabine River Above Toledo Bend Reservoir  
AU ID: 0505\_05**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
General Use	Nutrient Screening Levels	Nitrate	12/01/13	11/30/20	1.95	60	.	0	.	AD	NC	N	NC		
		Total phosphorus	12/01/13	11/30/20	0.69	57	.	0	.	AD	NC	N	NC		
	Water Temperature	Water temperature	12/01/13	11/30/20	33.9	79	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	79	73.18	0	.	AD	FS	N	FS		

**Seg ID: 0505B - Grace Creek  
AU ID: 0505B\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	9	.	0	.	LD	NC	N	NC		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	4	9	.	0	.	LD	NC	N	NC		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	9	180.39	1	.	LD	CN	Y	NS	Bacteria in water	5b

**Seg ID: 0505B - Grace Creek  
AU ID: 0505B\_02**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen 24hr average	Dissolved oxygen 24hr Avg	12/01/13	11/30/20	4	9	.	2	3.25	SM	CN	N	NA		
	Dissolved Oxygen 24hr minimum	Dissolved oxygen 24hr Min	12/01/13	11/30/20	3	9	.	1	1.8	SM	NC	N	NA		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	18	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	4	18	.	0	.	AD	NC	N	NC		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	16	308.84	1	.	LD	CN	Y	NS	Bacteria in water	5b

**Seg ID: 0505D - Rabbit Creek  
AU ID: 0505D\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CN	Bacteria in water	

**Seg ID: 0505E - Brandy Branch Reservoir  
AU ID: 0505E\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	28	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	28	.	0	.	AD	NC	N	NC		
General Use	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.2	25	.	0	.	JQ	NA	N	NA		
		Nitrate	12/01/13	11/30/20	0.37	26	.	0	.	JQ	NA	N	NA		
		Chlorophyll-a	12/01/13	11/30/20	26.7	24	.	1	40	JQ	NA	N	NA		
		Ammonia	12/01/13	11/30/20	0.11	24	.	2	0.14	JQ	NA	N	NA		
Recreation Use	Bacteria Geomean	E. coli	04/18/12	11/30/20	126	20	1.46	0	.	AD	FS	N	FS		

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0505F - Martin Creek Reservoir**

**AU ID: 0505F\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	28	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	28	.	0	.	AD	NC	N	NC		
General Use	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.2	25	.	0	.	JQ	NA	N	NA		
		Chlorophyll-a	12/01/13	11/30/20	26.7	24	.	4	35.88	JQ	NA	N	NA		
		Ammonia	12/01/13	11/30/20	0.11	26	.	0	.	JQ	NA	N	NA		
		Nitrate	12/01/13	11/30/20	0.37	27	.	0	.	JQ	NA	N	NA		
Recreation Use	Bacteria Geomean	E. coli	05/15/12	11/30/20	126	20	1.13	0	.	AD	FS	N	FS		

**Seg ID: 0505G - Wards Creek**

**AU ID: 0505G\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen 24hr average	Dissolved oxygen 24hr Avg	12/01/13	11/30/20	4	0	.	.	.	ID	NA	Y	NS	Depressed dissolved oxygen in water	5c
	Dissolved Oxygen 24hr minimum	Dissolved oxygen 24hr Min	12/01/13	11/30/20	3	0	.	.	.	ID	NA	Y	NS	Depressed dissolved oxygen in water	5c
	Habitat	Habitat	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CS	Impaired habitat in water	

**Seg ID: 0505O - Hills Lake**

**AU ID: 0505O\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Fish Consumption Use	DSHS Limited Consumption Advisory	Mercury	12/01/13	11/30/20	.	0	.	.	.	OE	NS	N	NS	Mercury in edible tissue	5c

**Seg ID: 0506 - Sabine River Below Lake Tawakoni**

**AU ID: 0506\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	84.52	6	.	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	20	6	.	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	337.88	6	.	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	42.33	6	.	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	415.45	6	.	0	.	LD	NC	N	NC		
		Silver (ionic)	12/01/13	11/30/20	0.8	5	.	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	5.9	6	.	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	9.87	6	.	0	.	LD	NC	N	NC		
	Chronic Toxic Substances in water	Arsenic (dissolved)	12/01/13	11/30/20	340	6	.	0	.	LD	NC	N	NC		
		Zinc (dissolved)	12/01/13	11/30/20	64.55	6	2.5	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	28.44	6	7.5	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	1.15	6	0.28	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	5.15	6	2.25	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	41.32	6	3.67	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	5	6	0.83	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	0.15	6	0.05	0	.	LD	NC	N	NC		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	63	.	0	.	AD	FS	N	FS		
		Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	63	.	0	.	AD	NC	N	NC	
	Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	20	0.83	0	.	AD	FS	N	FS	
Nitrate			12/01/13	11/30/20	10	193	0.21	0	.	AD	FS	N	FS		
Nickel (dissolved)			12/01/13	11/30/20	332	20	9.7	0	.	AD	FS	N	FS		
Lead (dissolved)			12/01/13	11/30/20	1.15	20	0.25	0	.	AD	FS	N	FS		
Cadmium (dissolved)			12/01/13	11/30/20	5	20	0.05	0	.	AD	FS	N	FS		

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0506 - Sabine River Below Lake Tawakoni  
AU ID: 0506\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Arsenic (dissolved)	12/01/13	11/30/20	10	20	1.05	0	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	20	9.7	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	20	0.25	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	500	186	235.59	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	100	197	32.71	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	200	197	56.68	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	8.5	63	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6	63	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	60	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	63	.	0	.	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	22	.	0	.	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	64	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	64	81.54	0	.	AD	FS	N	FS		

**Seg ID: 0506 - Sabine River Below Lake Tawakoni  
AU ID: 0506\_02**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	80.28	7	.	0	.	LD	NC	N	NC		
		Silver (ionic)	12/01/13	11/30/20	0.8	6	.	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	20	7	.	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	320.99	7	.	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	39.6	7	.	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	395.33	7	.	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	9.33	7	.	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	5.56	7	.	0	.	LD	NC	N	NC		
	Chronic Toxic Substances in water	Arsenic (dissolved)	12/01/13	11/30/20	340	7	.	0	.	LD	NC	N	NC		
		Zinc (dissolved)	12/01/13	11/30/20	64.55	7	2.86	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	28.44	7	9	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	1.15	7	0.25	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	5	7	0.79	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	5.15	7	1.14	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	41.32	7	3.86	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	0.15	7	0.05	0	.	LD	NC	N	NC		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	70	.	0	.	AD	FS	N	FS		
		Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	70	.	0	.	AD	NC	N	NC	
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	20	0.83	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	20	9.7	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	20	0.25	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	193	0.21	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	20	0.05	0	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Arsenic (dissolved)	12/01/13	11/30/20	10	20	1.05	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	20	9.7	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	20	0.25	0	.	AD	FS	N	FS		

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0506 - Sabine River Below Lake Tawakoni  
AU ID: 0506\_02**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	500	186	235.59	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	100	197	32.71	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	200	197	56.68	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	8.5	69	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6	69	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	65	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	69	.	0	.	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	70	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	70	82.05	0	.	AD	FS	N	FS		

**Seg ID: 0506 - Sabine River Below Lake Tawakoni  
AU ID: 0506\_03**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	113.2	7	.	0	.	LD	NC	N	NC		
		Silver (ionic)	12/01/13	11/30/20	0.8	6	.	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	20	7	.	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	452.34	7	.	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	61.77	7	.	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	13.67	7	.	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	551.03	7	.	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	8.25	7	.	0	.	LD	NC	N	NC		
	Arsenic (dissolved)	12/01/13	11/30/20	340	7	.	0	.	LD	NC	N	NC			
	Chronic Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	64.55	7	3.86	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	5	7	0.86	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	28.44	7	12.29	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	1.15	7	0.22	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	5.15	7	1.36	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	41.32	7	3.86	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	0.15	7	0.06	0	.	LD	NC	N	NC		
	Arsenic (dissolved)	12/01/13	11/30/20	150	7	1.14	0	.	LD	NC	N	NC			
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	63	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	63	.	6	4.62	AD	NC	N	NC		
	Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	193	0.21	0	.	AD	FS	N	FS	
Nickel (dissolved)			12/01/13	11/30/20	332	20	9.7	0	.	AD	FS	N	FS		
Lead (dissolved)			12/01/13	11/30/20	1.15	20	0.25	0	.	AD	FS	N	FS		
Selenium			12/01/13	11/30/20	50	20	0.83	0	.	AD	FS	N	FS		
Cadmium (dissolved)			12/01/13	11/30/20	5	20	0.05	0	.	AD	FS	N	FS		
Arsenic (dissolved)	12/01/13	11/30/20	10	20	1.05	0	.	AD	FS	N	FS				
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	20	9.7	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	20	0.25	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	500	186	235.59	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	100	197	32.71	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	200	197	56.68	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	8.5	60	.	0	.	AD	FS	N	FS		
Low pH	pH	12/01/13	11/30/20	6	60	.	0	.	AD	FS	N	FS			

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0506 - Sabine River Below Lake Tawakoni  
AU ID: 0506\_03**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
General Use	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	57	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	61	.	0	.	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	22	.	0	.	AD	NC	N	NC		
	Water Temperature	Water temperature	12/01/13	11/30/20	32.2	63	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	61	116.79	0	.	AD	FS	N	FS		

**Seg ID: 0506 - Sabine River Below Lake Tawakoni  
AU ID: 0506\_04**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	20	0.83	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	193	0.21	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	20	9.7	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	20	0.25	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	20	0.05	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	20	1.05	0	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	20	9.7	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	20	0.25	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	500	186	235.59	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	100	197	32.71	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	200	197	56.68	0	.	AD	FS	N	FS		

**Seg ID: 0506 - Sabine River Below Lake Tawakoni  
AU ID: 0506\_05**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	20	0.83	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	193	0.21	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	20	9.7	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	20	0.25	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	20	0.05	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	20	1.05	0	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	20	9.7	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	20	0.25	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	500	186	235.59	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	100	197	32.71	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	200	197	56.68	0	.	AD	FS	N	FS		

**Seg ID: 0506A - Harris Creek  
AU ID: 0506A\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen 24hr average	Dissolved oxygen 24hr Avg	12/01/13	11/30/20	5	7	.	3	4.53	LD	NS	N	NS	Depressed dissolved oxygen in water	5c
	Dissolved Oxygen 24hr minimum	Dissolved oxygen 24hr Min	12/01/13	11/30/20	3	7	.	0	.	LD	NC	N	NC		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	7	.	0	.	SM	NC	N	NA		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	7	.	3	4.5	SM	CS	N	NA		

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0506A - Harris Creek**

**AU ID: 0506A\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
General Use	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	5	.	0	.	LD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	7	.	0	.	LD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	7	.	0	.	LD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	7	.	0	.	LD	NC	N	NC		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	7	200.3	1	.	LD	CN	N	CN	Bacteria in water	

**Seg ID: 0506C - Wiggins Creek**

**AU ID: 0506C\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CS	Depressed dissolved oxygen in water	
General Use	Nutrient Screening Levels	Ammonia	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CS	Ammonia in water	

**Seg ID: 0506H - Lake Gladewater**

**AU ID: 0506H\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	27	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	27	.	1	4.95	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	28	0.06	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	27	0.1	0	.	AD	FS	N	FS		
General Use	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.2	24	.	0	.	JQ	NA	N	NA		
		Nitrate	12/01/13	11/30/20	0.37	28	.	0	.	JQ	NA	N	NA		
		Chlorophyll-a	12/01/13	11/30/20	26.7	26	.	3	31.17	JQ	NA	N	NA		
		Ammonia	12/01/13	11/30/20	0.11	27	.	1	0.12	JQ	NA	N	NA		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	21	15.32	0	.	AD	FS	N	FS		

**Seg ID: 0506I - Lake Hawkins**

**AU ID: 0506I\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	49	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	49	.	0	.	AD	NC	N	NC		
General Use	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.2	42	.	0	.	JQ	NA	N	NA		
		Nitrate	12/01/13	11/30/20	0.37	49	.	0	.	JQ	NA	N	NA		
		Chlorophyll-a	12/01/13	11/30/20	26.7	45	.	0	.	JQ	NA	N	NA		
		Ammonia	12/01/13	11/30/20	0.11	43	.	0	.	JQ	NA	N	NA		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	35	1.65	0	.	AD	FS	N	FS		

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0506L - Lake Holbrook  
AU ID: 0506L\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	28	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	28	.	0	.	AD	NC	N	NC		
General Use	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.2	20	.	0	.	JQ	NA	N	NA		
		Nitrate	12/01/13	11/30/20	0.37	26	.	0	.	JQ	NA	N	NA		
		Chlorophyll-a	12/01/13	11/30/20	26.7	22	.	0	.	JQ	NA	N	NA		
		Ammonia	12/01/13	11/30/20	0.11	24	.	2	0.19	JQ	NA	N	NA		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	20	7.12	0	.	AD	FS	N	FS		

**Seg ID: 0506M - Tyler State Park Lake  
AU ID: 0506M\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	17	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	17	.	0	.	AD	NC	N	NC		
General Use	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.2	16	.	0	.	JQ	NA	N	NA		
		Nitrate	12/01/13	11/30/20	0.37	17	.	0	.	JQ	NA	N	NA		
		Chlorophyll-a	12/01/13	11/30/20	26.7	15	.	0	.	JQ	NA	N	NA		
		Ammonia	12/01/13	11/30/20	0.11	15	.	0	.	JQ	NA	N	NA		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	15	1.84	0	.	LD	NC	N	NC		

**Seg ID: 0507 - Lake Tawakoni  
AU ID: 0507\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat	
Aquatic Life Use	Acute Toxic Substances in water	Silver (ionic)	12/01/13	11/30/20	0.8	6	.	0	.	LD	NC	N	NC			
		Selenium	12/01/13	11/30/20	20	7	.	0	.	LD	NC	N	NC			
		Nickel (dissolved)	12/01/13	11/30/20	320.99	7	.	0	.	LD	NC	N	NC			
		Lead (dissolved)	12/01/13	11/30/20	39.6	7	.	0	.	LD	NC	N	NC			
		Zinc (dissolved)	12/01/13	11/30/20	80.28	7	.	0	.	LD	NC	N	NC			
		Copper (dissolved)	12/01/13	11/30/20	9.33	7	.	0	.	LD	NC	N	NC			
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	395.33	7	.	0	.	LD	NC	N	NC			
		Cadmium (dissolved)	12/01/13	11/30/20	5.56	7	.	0	.	LD	NC	N	NC			
	Chronic Toxic Substances in water	Arsenic (dissolved)	12/01/13	11/30/20	340	7	.	0	.	LD	NC	N	NC			
		Zinc (dissolved)	12/01/13	11/30/20	80.94	7	2.5	0	.	LD	NC	N	NC			
		Selenium	12/01/13	11/30/20	5	7	0.57	0	.	LD	NC	N	NC			
		Nickel (dissolved)	12/01/13	11/30/20	35.65	7	9.86	0	.	LD	NC	N	NC			
		Lead (dissolved)	12/01/13	11/30/20	1.54	7	0.18	0	.	LD	NC	N	NC			
		Copper (dissolved)	12/01/13	11/30/20	6.47	7	0.79	0	.	LD	NC	N	NC			
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	51.42	7	3.86	0	.	LD	NC	N	NC			
		Cadmium (dissolved)	12/01/13	11/30/20	0.18	7	0.05	0	.	LD	NC	N	NC			
	Dissolved Oxygen grab minimum	Dissolved Oxygen grab screening level	Arsenic (dissolved)	12/01/13	11/30/20	150	7	2.29	0	.	LD	NC	N	NC		
			Dissolved oxygen Grab	12/01/13	11/30/20	3	73	.	3	4.36	AD	FS	N	FS		
			Dissolved oxygen Grab	12/01/13	11/30/20	5	73	.	8	4.54	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	21	0.57	0	.	AD	FS	N	FS			
		Nitrate	12/01/13	11/30/20	10	223	0.18	0	.	AD	FS	N	FS			
		Nickel (dissolved)	12/01/13	11/30/20	332	21	9.95	0	.	AD	FS	N	FS			
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.19	0	.	AD	FS	N	FS			
		Cadmium (dissolved)	12/01/13	11/30/20	5	21	0.06	0	.	AD	FS	N	FS			
		Arsenic (dissolved)	12/01/13	11/30/20	10	21	2.52	0	.	AD	FS	N	FS			

2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River

Seg ID: 0507 - Lake Tawakoni  
AU ID: 0507\_01

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	21	9.95	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.19	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	200	214	120.97	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	225	8.89	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	225	5.06	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	70	.	1	9.1	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6	70	.	0	.	AD	FS	N	FS		
	Nutrient Reservoir Narrative Criteria	Nutrients	12/01/13	11/30/20	.	.	.	.	.	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	33.9	73	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	73	0.75	0	.	AD	FS	N	FS		

Seg ID: 0507 - Lake Tawakoni  
AU ID: 0507\_02

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	21	0.57	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	223	0.18	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	21	9.95	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.19	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	21	0.06	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	21	2.52	0	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	21	9.95	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.19	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	200	214	120.97	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	225	8.89	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	225	5.06	0	.	AD	FS	N	FS		
	Nutrient Reservoir Narrative Criteria	Nutrients	12/01/13	11/30/20	.	.	.	.	.	AD	NC	N	NC		

Seg ID: 0507 - Lake Tawakoni  
AU ID: 0507\_03

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	80.28	7	.	0	.	LD	NC	N	NC		
		Silver (ionic)	12/01/13	11/30/20	0.8	6	.	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	320.99	7	.	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	20	7	.	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	39.6	7	.	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	9.33	7	.	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	395.33	7	.	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	5.56	7	.	0	.	LD	NC	N	NC		
	Chronic Toxic Substances in water	Arsenic (dissolved)	12/01/13	11/30/20	340	7	.	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	5	7	0.57	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	35.65	7	9.57	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	1.54	7	0.21	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	6.47	7	0.79	0	.	LD	NC	N	NC		
		Zinc (dissolved)	12/01/13	11/30/20	80.94	7	2.5	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	51.42	7	3.86	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	0.18	7	0.05	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	150	7	2.71	0	.	LD	NC	N	NC		

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0507 - Lake Tawakoni  
AU ID: 0507\_03**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	78	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	78	.	1	3.84	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	21	0.57	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	21	9.95	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	223	0.18	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.19	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	21	0.06	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	21	2.52	0	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	21	9.95	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.19	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	200	214	120.97	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	225	8.89	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	225	5.06	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	75	.	1	9.1	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6	75	.	0	.	AD	FS	N	FS		
	Nutrient Reservoir Narrative Criteria	Nutrients	12/01/13	11/30/20	.	.	.	.	.	AD	NC	N	NC		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	76	1.19	0	.	AD	FS	N	FS		

**Seg ID: 0507 - Lake Tawakoni  
AU ID: 0507\_04**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	21	0.57	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	223	0.18	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	21	9.95	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.19	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	21	0.06	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	21	2.52	0	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	21	9.95	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.19	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	200	214	120.97	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	225	8.89	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	225	5.06	0	.	AD	FS	N	FS		
	Nutrient Reservoir Narrative Criteria	Nutrients	12/01/13	11/30/20	.	.	.	.	.	AD	NC	N	NC		

**Seg ID: 0507 - Lake Tawakoni  
AU ID: 0507\_05**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	84.52	7	.	0	.	LD	NC	N	NC		
		Silver (ionic)	12/01/13	11/30/20	0.8	6	.	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	20	7	.	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	337.88	7	.	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	42.33	7	.	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	9.87	7	.	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	415.45	7	.	0	.	LD	NC	N	NC		

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0507 - Lake Tawakoni  
AU ID: 0507\_05**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Cadmium (dissolved)	12/01/13	11/30/20	5.9	7	.	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	340	7	.	0	.	LD	NC	N	NC		
	Chronic Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	80.94	7	4.07	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	35.65	7	10.43	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	5	7	0.57	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	1.54	7	0.18	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	6.47	7	0.86	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	51.42	7	3.86	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	0.18	7	0.09	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	150	7	2.57	0	.	LD	NC	N	NC		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	75	.	0	.	AD	FS	N	FS		
Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	75	.	6	4.38	AD	NC	N	NC			
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	21	0.57	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	223	0.18	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	21	9.95	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.19	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	21	0.06	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	21	2.52	0	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	21	9.95	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.19	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	200	214	120.97	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	225	8.89	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	225	5.06	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	72	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6	72	.	0	.	AD	FS	N	FS		
	Nutrient Reservoir Narrative Criteria	Nutrients	12/01/13	11/30/20	.	.	.	.	.	AD	NC	N	NC		
Recreation Use	Bacteria Geomean	Water Temperature	12/01/13	11/30/20	33.9	75	.	0	.	AD	FS	N	FS		
		E. coli	12/01/13	11/30/20	126	74	1.07	0	.	AD	FS	N	FS		

**Seg ID: 0507 - Lake Tawakoni  
AU ID: 0507\_06**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	21	0.57	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	223	0.18	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	21	9.95	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.19	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	21	0.06	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	21	2.52	0	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	21	9.95	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.19	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	200	214	120.97	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	225	8.89	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	225	5.06	0	.	AD	FS	N	FS		
	Nutrient Reservoir Narrative Criteria	Nutrients	12/01/13	11/30/20	.	.	.	.	.	AD	NC	N	NC		

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0507A - Cowleech Fork Sabine River  
AU ID: 0507A\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CS	Depressed dissolved oxygen in water	
General Use	Nutrient Screening Levels	Nitrate	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CS	Nitrate in water	

**Seg ID: 0507A - Cowleech Fork Sabine River  
AU ID: 0507A\_02**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
General Use	Nutrient Screening Levels	Chlorophyll-a	12/01/13	11/30/20	14.1	0	.	.	.	ID	NA	Y	CS	Chlorophyll-a in water	

**Seg ID: 0507B - Long Branch  
AU ID: 0507B\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
General Use	Nutrient Screening Levels	Nitrate	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CS	Nitrate in water	

**Seg ID: 0507G - South Fork of Sabine River  
AU ID: 0507G\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	33	401.82	1	.	AD	NS	N	NS	Bacteria in water	5b

**Seg ID: 0507H - Caddo Creek  
AU ID: 0507H\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	1.5	0	.	.	.	ID	NA	Y	CN	Depressed dissolved oxygen in water	
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	2	0	.	.	.	ID	NA	Y	CS	Depressed dissolved oxygen in water	

**Seg ID: 0508 - Adams Bayou Tidal  
AU ID: 0508\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat		
Aquatic Life Use	Acute Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	92.7	6	.	0	.	LD	NC	N	NC				
		Silver (ionic)	12/01/13	11/30/20	2	6	.	0	.	LD	NC	N	NC				
		Selenium	12/01/13	11/30/20	564	7	.	0	.	LD	NC	N	NC				
		Nickel (dissolved)	12/01/13	11/30/20	118	7	.	0	.	LD	NC	N	NC				
		Lead (dissolved)	12/01/13	11/30/20	133	6	.	0	.	LD	NC	N	NC				
		Copper (dissolved)	12/01/13	11/30/20	13.5	6	.	0	.	LD	NC	N	NC				
		Cadmium (dissolved)	12/01/13	11/30/20	40	7	.	0	.	LD	NC	N	NC				
	Chronic Toxic Substances in water	Arsenic (dissolved)	12/01/13	11/30/20	149	7	.	0	.	LD	NC	N	NC				
		Zinc (dissolved)	12/01/13	11/30/20	84.2	6	3.25	0	.	LD	NC	N	NC				
		Selenium	12/01/13	11/30/20	136	7	2.79	0	.	LD	NC	N	NC				
		Nickel (dissolved)	12/01/13	11/30/20	13.1	7	4.43	0	.	LD	NC	N	NC				
		Lead (dissolved)	12/01/13	11/30/20	5.3	6	0.36	0	.	LD	NC	N	NC				
		Copper (dissolved)	12/01/13	11/30/20	3.6	6	1.36	0	.	LD	NC	N	NC				
		Cadmium (dissolved)	12/01/13	11/30/20	8.75	7	0.07	0	.	LD	NC	N	NC				
	Dissolved Oxygen	Dissolved Oxygen grab screening level	Arsenic (dissolved)	12/01/13	11/30/20	78	7	1.57	0	.	LD	NC	N	NC			
			Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	77	.	21	2.33	AD	NS	N	NS	Depressed dissolved oxygen in water	4a
			Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	4	77	.	27	2.6	AD	CS	N	CS	Depressed dissolved oxygen in water	

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0508 - Adams Bayou Tidal**

**AU ID: 0508\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	1140	7	4.43	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	3.83	6	0.36	0	.	LD	NC	N	NC		
General Use	High pH	pH	12/01/13	11/30/20	8.5	78	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6	78	.	2	5.7	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.66	73	.	0	.	AD	NC	N	NC		
	Water Temperature	Water temperature	12/01/13	11/30/20	35	78	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	Enterococcus	12/01/13	11/30/20	35	76	136.05	1	.	AD	NS	N	NS	Bacteria in water	4a

**Seg ID: 0508 - Adams Bayou Tidal**

**AU ID: 0508\_02**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	NS	Depressed dissolved oxygen in water	4a
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CS	Depressed dissolved oxygen in water	
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	1140	7	4.43	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	3.83	6	0.36	0	.	LD	NC	N	NC		
Recreation Use	Bacteria Geomean	Enterococcus	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	NS	Bacteria in water	4a

**Seg ID: 0508 - Adams Bayou Tidal**

**AU ID: 0508\_03**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	NS	Depressed dissolved oxygen in water	4a
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CS	Depressed dissolved oxygen in water	
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	1140	7	4.43	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	3.83	6	0.36	0	.	LD	NC	N	NC		
Recreation Use	Bacteria Geomean	Enterococcus	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	NS	Bacteria in water	4a

**Seg ID: 0508 - Adams Bayou Tidal**

**AU ID: 0508\_04**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	NS	Depressed dissolved oxygen in water	4a
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CS	Depressed dissolved oxygen in water	
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	1140	7	4.43	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	3.83	6	0.36	0	.	LD	NC	N	NC		
General Use	Low pH	pH	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CN	Low pH in water	
Recreation Use	Bacteria Geomean	Enterococcus	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	NS	Bacteria in water	4a

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0508A - Adams Bayou Above Tidal**

**AU ID: 0508A\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen 24hr average	Dissolved oxygen 24hr Avg	12/01/13	11/30/20	3	0	.	.	.	ID	NA	Y	NS	Depressed dissolved oxygen in water	4a
	Dissolved Oxygen 24hr minimum	Dissolved oxygen 24hr Min	12/01/13	11/30/20	2	0	.	.	.	ID	NA	Y	NS	Depressed dissolved oxygen in water	4a

**Seg ID: 0508B - Gum Gully**

**AU ID: 0508B\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	NS	Depressed dissolved oxygen in water	4a
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	NS	Bacteria in water	4a

**Seg ID: 0508C - Hudson Gully**

**AU ID: 0508C\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	NS	Depressed dissolved oxygen in water	4a
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CS	Depressed dissolved oxygen in water	
Recreation Use	Bacteria Geomean	Enterococcus	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	NS	Bacteria in water	4a

**Seg ID: 0509 - Murvaul Lake**

**AU ID: 0509\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	28	.	1	1.55	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	28	.	3	3.53	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	28	0.04	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	27	0.11	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	500	28	90.05	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	75	27	15.87	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	150	27	13.7	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	28	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	28	.	0	.	AD	FS	N	FS		
	Nutrient Reservoir Narrative Criteria	Nutrients	12/01/13	11/30/20	.	.	.	.	.	AD	CS	N	CS	Excessive algal growth in water	
	Water Temperature	Water temperature	12/01/13	11/30/20	33.3	28	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	E. coli	11/28/11	11/30/20	126	20	3.01	0	.	AD	FS	N	FS		

**Seg ID: 0510 - Lake Cherokee**

**AU ID: 0510\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Selenium	12/01/13	11/30/20	20	7	.	0	.	LD	NC	N	NC		
	Chronic Toxic Substances in water	Selenium	12/01/13	11/30/20	5	7	0.57	0	.	LD	NC	N	NC		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	37	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	37	.	0	.	AD	NC	N	NC		

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0510 - Lake Cherokee  
AU ID: 0510\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	7	0.57	0	.	LD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	10	50	0.03	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Chloride	12/01/13	11/30/20	75	50	11.21	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	250	53	94.51	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	50	21.94	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	8.5	37	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6	37	.	1	5.75	AD	FS	N	FS		
	Nutrient Reservoir Criteria	Nutrients	12/01/13	11/30/20	.	.	.	.	.	ID	NA	N	NA		
	Water Temperature	Water temperature	12/01/13	11/30/20	35	37	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	47	6.15	0	.	AD	FS	N	FS		

**Seg ID: 0510 - Lake Cherokee  
AU ID: 0510\_02**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	16	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	16	.	3	4.17	AD	CS	N	CS	Depressed dissolved oxygen in water	
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	7	0.57	0	.	LD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	10	50	0.03	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	250	53	94.51	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	50	21.94	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	75	50	11.21	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	8.5	16	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6	16	.	1	5.3	AD	FS	N	FS		
	Nutrient Reservoir Criteria	Nutrients	12/01/13	11/30/20	.	.	.	.	.	ID	NA	N	NA		
	Water Temperature	Water temperature	12/01/13	11/30/20	35	16	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	1	0.5	0	.	ID	NA	N	NA		

**Seg ID: 0511 - Cow Bayou Tidal  
AU ID: 0511\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat	
Aquatic Life Use	Acute Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	92.7	6	.	0	.	LD	NC	N	NC			
		Silver (ionic)	12/01/13	11/30/20	2	6	.	0	.	LD	NC	N	NC			
		Selenium	12/01/13	11/30/20	564	7	.	0	.	LD	NC	N	NC			
		Nickel (dissolved)	12/01/13	11/30/20	118	7	.	0	.	LD	NC	N	NC			
		Lead (dissolved)	12/01/13	11/30/20	133	6	.	0	.	LD	NC	N	NC			
		Copper (dissolved)	12/01/13	11/30/20	13.5	6	.	0	.	LD	NC	N	NC			
		Cadmium (dissolved)	12/01/13	11/30/20	40	7	.	0	.	LD	NC	N	NC			
		Arsenic (dissolved)	12/01/13	11/30/20	149	7	.	0	.	LD	NC	N	NC			
	Chronic Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	84.2	6	2.5	0	.	LD	NC	N	NC			
		Selenium	12/01/13	11/30/20	136	7	5.07	0	.	LD	NC	N	NC			
		Nickel (dissolved)	12/01/13	11/30/20	13.1	7	5.14	0	.	LD	NC	N	NC			
		Lead (dissolved)	12/01/13	11/30/20	5.3	6	0.36	0	.	LD	NC	N	NC			
		Copper (dissolved)	12/01/13	11/30/20	3.6	6	1.59	0	.	LD	NC	N	NC			
		Cadmium (dissolved)	12/01/13	11/30/20	8.75	7	0.05	0	.	LD	NC	N	NC			
		Arsenic (dissolved)	12/01/13	11/30/20	78	7	2	0	.	LD	NC	N	NC			
		Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	77	.	5	2.55	AD	FS	N	FS		
		Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	4	77	.	19	3.24	AD	CS	N	CS	Depressed dissolved oxygen in water	

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0511 - Cow Bayou Tidal  
AU ID: 0511\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	1140	7	5.14	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	3.83	6	0.36	0	.	LD	NC	N	NC		
General Use	High pH	pH	12/01/13	11/30/20	8.5	78	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6	78	.	6	5.45	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.66	73	.	0	.	AD	NC	N	NC		
	Water Temperature	Water temperature	12/01/13	11/30/20	35	78	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	Enterococcus	12/01/13	11/30/20	35	78	95.71	1	.	AD	NS	N	NS	Bacteria in water	4a

**Seg ID: 0511 - Cow Bayou Tidal  
AU ID: 0511\_02**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen 24hr average	Dissolved oxygen 24hr Avg	12/01/13	11/30/20	4	0	.	.	.	ID	NA	Y	NS	Depressed dissolved oxygen in water	4a
	Dissolved Oxygen 24hr minimum	Dissolved oxygen 24hr Min	12/01/13	11/30/20	3	0	.	.	.	ID	NA	Y	NS	Depressed dissolved oxygen in water	4a
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	1140	7	5.14	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	3.83	6	0.36	0	.	LD	NC	N	NC		

**Seg ID: 0511 - Cow Bayou Tidal  
AU ID: 0511\_03**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen 24hr average	Dissolved oxygen 24hr Avg	12/01/13	11/30/20	4	0	.	.	.	ID	NA	Y	NS	Depressed dissolved oxygen in water	4a
	Dissolved Oxygen 24hr minimum	Dissolved oxygen 24hr Min	12/01/13	11/30/20	3	0	.	.	.	ID	NA	Y	NS	Depressed dissolved oxygen in water	4a
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	1140	7	5.14	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	3.83	6	0.36	0	.	LD	NC	N	NC		
General Use	Low pH	pH	12/01/13	11/30/20	6	0	.	.	.	ID	NA	Y	CN	Low pH in water	
Recreation Use	Bacteria Geomean	Enterococcus	12/01/13	11/30/20	35	0	.	.	.	ID	NA	Y	NS	Bacteria in water	4a

**Seg ID: 0511 - Cow Bayou Tidal  
AU ID: 0511\_04**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	NS	Depressed dissolved oxygen in water	4a
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CS	Depressed dissolved oxygen in water	
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	1140	7	5.14	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	3.83	6	0.36	0	.	LD	NC	N	NC		
General Use	Low pH	pH	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	NS	Low pH in water	4a
Recreation Use	Bacteria Geomean	Enterococcus	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	NS	Bacteria in water	4a

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0511A - Cow Bayou Above Tidal**

**AU ID: 0511A\_02**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	NS	Depressed dissolved oxygen in water	4a
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CS	Depressed dissolved oxygen in water	

**Seg ID: 0511B - Coon Bayou**

**AU ID: 0511B\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	NS	Depressed dissolved oxygen in water	4a
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CS	Depressed dissolved oxygen in water	
Recreation Use	Bacteria Geomean	Enterococcus	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	NS	Bacteria in water	4a

**Seg ID: 0511C - Cole Creek**

**AU ID: 0511C\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	NS	Depressed dissolved oxygen in water	4a
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CS	Depressed dissolved oxygen in water	

**Seg ID: 0511E - Terry Gully**

**AU ID: 0511E\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CN	Depressed dissolved oxygen in water	
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CS	Depressed dissolved oxygen in water	
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	NS	Bacteria in water	4a

**Seg ID: 0512 - Lake Fork Reservoir**

**AU ID: 0512\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	58.45	7	.	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	20	7	.	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	233.79	7	.	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	26.14	7	.	0	.	LD	NC	N	NC		
		Silver (ionic)	12/01/13	11/30/20	0.8	6	.	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	6.55	7	.	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	290.86	7	.	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	3.86	7	.	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	340	7	.	0	.	LD	NC	N	NC		
	Chronic Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	54.35	7	2.5	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	5	7	0.86	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	23.96	7	5.93	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	0.92	7	0.17	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	4.33	7	0.79	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	34.99	7	3.86	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	0.13	7	0.05	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	150	7	1	0	.	LD	NC	N	NC		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	76	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	76	.	2	4.27	AD	NC	N	NC		

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0512 - Lake Fork Reservoir  
AU ID: 0512\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	21	0.76	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	258	0.15	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	21	5.69	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.18	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	28	0.12	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	21	0.05	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	21	1	0	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	21	5.69	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.18	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	200	249	97.47	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	261	16.32	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	261	12.26	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	73	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	73	.	0	.	AD	FS	N	FS		
	Nutrient Reservoir Narrative Criteria	Nutrients	12/01/13	11/30/20	.	.	.	.	.	AD	NC	N	NC		
	Water Temperature	Water temperature	12/01/13	11/30/20	35	76	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	75	1.37	0	.	AD	FS	N	FS		

**Seg ID: 0512 - Lake Fork Reservoir  
AU ID: 0512\_02**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Silver (ionic)	12/01/13	11/30/20	0.8	6	.	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	20	7	.	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	215.68	7	.	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	23.51	7	.	0	.	LD	NC	N	NC		
		Zinc (dissolved)	12/01/13	11/30/20	53.91	7	.	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	5.99	7	.	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	269.02	7	.	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	3.52	7	.	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	340	7	.	0	.	LD	NC	N	NC		
	Chronic Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	54.35	7	2.5	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	5	7	0.71	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	23.96	7	5.5	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	0.92	7	0.17	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	4.33	7	0.86	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	34.99	7	3.86	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	0.13	7	0.05	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	150	7	1	0	.	LD	NC	N	NC		
		Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	79	.	0	.	AD	FS	N	FS	
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	79	.	2	4.37	AD	NC	N	NC		
	Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	21	0.76	0	.	AD	FS	N	FS	
Nitrate			12/01/13	11/30/20	10	258	0.15	0	.	AD	FS	N	FS		
Nickel (dissolved)			12/01/13	11/30/20	332	21	5.69	0	.	AD	FS	N	FS		
Lead (dissolved)			12/01/13	11/30/20	1.15	21	0.18	0	.	AD	FS	N	FS		
Fluoride			12/01/13	11/30/20	4	28	0.12	0	.	AD	FS	N	FS		
Cadmium (dissolved)			12/01/13	11/30/20	5	21	0.05	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	21	1	0	.	AD	FS	N	FS		

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0512 - Lake Fork Reservoir  
AU ID: 0512\_02**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	21	5.69	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.18	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	200	249	97.47	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	261	16.32	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	261	12.26	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	76	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	76	.	0	.	AD	FS	N	FS		
	Nutrient Reservoir Narrative Criteria	Nutrients	12/01/13	11/30/20	.	.	.	.	.	AD	NC	N	NC		
	Water Temperature	Water temperature	12/01/13	11/30/20	35	79	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	76	3.18	0	.	AD	FS	N	FS		

**Seg ID: 0512 - Lake Fork Reservoir  
AU ID: 0512\_03**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	21	0.76	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	258	0.15	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	21	5.69	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.18	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	28	0.12	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	21	0.05	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	21	1	0	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	21	5.69	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.18	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	200	249	97.47	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	261	16.32	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	261	12.26	0	.	AD	FS	N	FS		
	Nutrient Reservoir Narrative Criteria	Nutrients	12/01/13	11/30/20	.	.	.	.	.	AD	NC	N	NC		

**Seg ID: 0512 - Lake Fork Reservoir  
AU ID: 0512\_04**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	62.92	6	.	0	.	LD	NC	N	NC		
		Silver (ionic)	12/01/13	11/30/20	0.8	6	.	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	20	7	.	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	251.65	7	.	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	28.8	7	.	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	7.11	7	.	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	312.34	7	.	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	4.2	7	.	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	340	7	.	0	.	LD	NC	N	NC		
	Chronic Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	54.35	6	2.5	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	5	7	0.71	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	23.96	7	5.64	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	0.92	7	0.17	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	4.33	7	0.79	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	34.99	7	3.86	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	0.13	7	0.05	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	150	7	1	0	.	LD	NC	N	NC		

2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River

Seg ID: 0512 - Lake Fork Reservoir  
AU ID: 0512\_04

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	78	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	78	.	2	4.57	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	21	0.76	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	258	0.15	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	21	5.69	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.18	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	28	0.12	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	21	0.05	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	21	1	0	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	21	5.69	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.18	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	200	249	97.47	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	261	16.32	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	261	12.26	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	75	.	1	9.1	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	75	.	0	.	AD	FS	N	FS		
	Nutrient Reservoir Narrative Criteria	Nutrients	12/01/13	11/30/20	.	.	.	.	.	AD	NC	N	NC		
	Water Temperature	Water temperature	12/01/13	11/30/20	35	78	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	78	1.98	0	.	AD	FS	N	FS		

Seg ID: 0512 - Lake Fork Reservoir  
AU ID: 0512\_05

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	28	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	28	.	0	.	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	21	0.76	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	258	0.15	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	21	5.69	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.18	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	28	0.12	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	21	0.05	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	21	1	0	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	21	5.69	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.18	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Sulfate	12/01/13	11/30/20	50	261	16.32	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	200	249	97.47	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	261	12.26	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	28	.	2	9.1	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	28	.	0	.	AD	FS	N	FS		
	Nutrient Reservoir Narrative Criteria	Nutrients	12/01/13	11/30/20	.	.	.	.	.	AD	NC	N	NC		
	Water Temperature	Water temperature	12/01/13	11/30/20	35	28	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	23	8.53	0	.	AD	FS	N	FS		

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0512 - Lake Fork Reservoir  
AU ID: 0512\_06**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	21	0.76	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	258	0.15	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	21	5.69	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.18	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	28	0.12	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	21	0.05	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	21	1	0	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	21	5.69	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.18	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	200	249	97.47	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	261	16.32	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	261	12.26	0	.	AD	FS	N	FS		
	Nutrient Reservoir Narrative Criteria	Nutrients	12/01/13	11/30/20	.	.	.	.	.	AD	NC	N	NC		

**Seg ID: 0512 - Lake Fork Reservoir  
AU ID: 0512\_07**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	21	0.76	0	.	AD	FS	N	FS		
		Nitrate	12/01/13	11/30/20	10	258	0.15	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	21	5.69	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.18	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	28	0.12	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	21	0.05	0	.	AD	FS	N	FS		
		Arsenic (dissolved)	12/01/13	11/30/20	10	21	1	0	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	21	5.69	0	.	AD	FS	N	FS		
		Lead (dissolved)	12/01/13	11/30/20	1.15	21	0.18	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	200	249	97.47	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	261	16.32	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	261	12.26	0	.	AD	FS	N	FS		
	Nutrient Reservoir Narrative Criteria	Nutrients	12/01/13	11/30/20	.	.	.	.	.	AD	NC	N	NC		

**Seg ID: 0512A - Running Creek  
AU ID: 0512A\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CS	Depressed dissolved oxygen in water	
General Use	Nutrient Screening Levels	Nitrate	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CS	Nitrate in water	
		Ammonia	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CS	Ammonia in water	
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	32	721.52	1	.	AD	NS	N	NS	Bacteria in water	5b

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0512B - Elm Creek**

**AU ID: 0512B\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CN	Depressed dissolved oxygen in water	
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CS	Depressed dissolved oxygen in water	
General Use	Nutrient Screening Levels	Ammonia	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CS	Ammonia in water	
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	25	1021.52	1	.	AD	NS	N	NS	Bacteria in water	5b

**Seg ID: 0513 - Big Cow Creek**

**AU ID: 0513\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	24.8	6	.	0	.	LD	NC	N	NC		
		Silver (ionic)	12/01/13	11/30/20	0.8	6	.	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	20	7	.	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	99.35	7	.	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	8.38	6	.	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	2.53	6	.	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	127.02	7	.	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	1.44	7	.	0	.	LD	NC	N	NC		
	Chronic Toxic Substances in water	Arsenic (dissolved)	12/01/13	11/30/20	340	7	.	0	.	LD	NC	N	NC		
		Zinc (dissolved)	12/01/13	11/30/20	19.6	6	3.25	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	5	7	0.5	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	8.65	7	2.5	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	0.24	6	0.26	1	.	LD	CN	N	CN	Lead in water	
		Copper (dissolved)	12/01/13	11/30/20	1.55	6	1.01	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	13.05	7	3.86	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	0.06	7	0.04	0	.	LD	NC	N	NC		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	77	.	0	.	AD	FS	N	FS		
Dissolved Oxygen grab screening level		Dissolved oxygen Grab	12/01/13	11/30/20	5	77	.	0	.	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	75	0.1	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	7	2.5	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	1.15	6	0.39	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	50	7	0.5	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	5	7	0.06	0	.	LD	NC	N	NC		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Arsenic (dissolved)	12/01/13	11/30/20	10	7	1	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	332	7	2.5	0	.	LD	NC	N	NC		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	300	76	25.41	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	78	2.63	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	75	78	5.87	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	8.5	77	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	5.5	77	.	3	5.33	AD	FS	N	FS		
	Nutrient Screening Levels	Nitrate	12/01/13	11/30/20	1.95	75	.	0	.	AD	NC	N	NC		
		Total phosphorus	12/01/13	11/30/20	0.69	73	.	0	.	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	77	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	78	169.37	1	.	AD	NS	N	NS	Bacteria in water	5c

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0513 - Big Cow Creek  
AU ID: 0513\_02**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	7	0.5	0	.	LD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	10	75	0.1	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	7	2.5	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	1.15	6	0.39	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	5	7	0.06	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	10	7	1	0	.	LD	NC	N	NC		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	7	2.5	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	1.15	6	0.39	0	.	LD	NC	N	NC		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	300	76	25.41	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	78	2.63	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	75	78	5.87	0	.	AD	FS	N	FS		

**Seg ID: 0514 - Big Sandy Creek  
AU ID: 0514\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	49.31	7	.	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	20	7	.	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	197.29	7	.	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	20.9	7	.	0	.	LD	NC	N	NC		
		Silver (ionic)	12/01/13	11/30/20	0.8	6	.	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	5.42	7	.	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	246.78	7	.	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	3.18	7	.	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	340	7	.	0	.	LD	NC	N	NC		
	Chronic Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	35.26	5	2.5	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	5	5	0.5	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	15.55	5	4.4	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	0.52	5	0.24	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	2.8	5	0.86	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	23.03	5	4.2	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	0.09	5	0.05	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	150	5	1	0	.	LD	NC	N	NC		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	66	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	66	.	0	.	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	7	0.57	0	.	LD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	10	72	0.27	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	7	4.21	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	1.15	7	0.28	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	5	7	0.05	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	10	7	1	0	.	LD	NC	N	NC		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	7	4.21	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	1.15	7	0.28	0	.	LD	NC	N	NC		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	300	99	82.69	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	102	14.68	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	75	102	14.85	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	8.5	65	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6	65	.	0	.	AD	FS	N	FS		

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0514 - Big Sandy Creek  
AU ID: 0514\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
General Use	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	69	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	72	.	0	.	AD	NC	N	NC		
	Water Temperature	Water temperature	12/01/13	11/30/20	32.2	66	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	81	162.29	1	.	AD	NS	N	NS	Bacteria in water	5c

**Seg ID: 0514 - Big Sandy Creek  
AU ID: 0514\_02**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	28	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	28	.	2	4.59	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	28	0.07	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	28	0.12	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	300	99	82.69	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	102	14.68	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	75	102	14.85	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	8.5	28	.	8	9.13	AD	NS	N	NS	High pH in water	5c
	Low pH	pH	12/01/13	11/30/20	6	28	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	21	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	28	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	25	.	24	46.77	AD	CS	N	CS	Chlorophyll-a in water	
Ammonia		12/01/13	11/30/20	0.33	27	.	1	0.36	AD	NC	N	NC			
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	28	.	3	32.63	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	02/26/13	11/30/20	126	20	3.86	0	.	AD	FS	N	FS		

**Seg ID: 0515 - Lake Fork Creek  
AU ID: 0515\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Acute Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	58.45	7	.	0	.	LD	NC	N	NC		
		Silver (ionic)	12/01/13	11/30/20	0.8	6	.	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	233.79	7	.	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	20	7	.	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	26.14	7	.	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	6.55	7	.	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	290.86	7	.	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	3.86	7	.	0	.	LD	NC	N	NC		
	Arsenic (dissolved)	12/01/13	11/30/20	340	7	.	0	.	LD	NC	N	NC			
	Chronic Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	60.06	7	3	0	.	LD	NC	N	NC		
		Selenium	12/01/13	11/30/20	5	7	0.93	0	.	LD	NC	N	NC		
		Nickel (dissolved)	12/01/13	11/30/20	26.47	7	7.36	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	1.04	7	0.26	0	.	LD	NC	N	NC		
		Copper (dissolved)	12/01/13	11/30/20	4.79	7	0.86	0	.	LD	NC	N	NC		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	38.54	7	3.86	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	0.14	7	0.05	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	150	7	1	0	.	LD	NC	N	NC		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	70	.	1	2.4	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	70	.	4	4.1	AD	NC	N	NC		

**2022 Texas Integrated Report - Assessment Results for Basin 5 - Sabine River**

**Seg ID: 0515 - Lake Fork Creek  
AU ID: 0515\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	7	0.93	0	.	LD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	10	69	0.17	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	7	7.36	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	1.15	7	0.26	0	.	LD	NC	N	NC		
		Cadmium (dissolved)	12/01/13	11/30/20	5	7	0.05	0	.	LD	NC	N	NC		
		Arsenic (dissolved)	12/01/13	11/30/20	10	7	1	0	.	LD	NC	N	NC		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	7	7.36	0	.	LD	NC	N	NC		
		Lead (dissolved)	12/01/13	11/30/20	1.15	7	0.26	0	.	LD	NC	N	NC		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	66	129.23	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	75	70	26.1	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	100	70	23.87	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	8.5	68	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6	68	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	65	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	69	.	0	.	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	70	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	70	116.65	0	.	AD	FS	N	FS		

**Seg ID: 0515A - Lake Quitman  
AU ID: 0515A\_01**

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	28	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	28	.	1	4.08	AD	NC	N	NC		
General Use	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.2	21	.	0	.	JQ	NA	N	NA		
		Nitrate	12/01/13	11/30/20	0.37	28	.	0	.	JQ	NA	N	NA		
		Chlorophyll-a	12/01/13	11/30/20	26.7	27	.	23	45.36	JQ	NA	N	NA		
		Ammonia	12/01/13	11/30/20	0.11	26	.	5	0.2	JQ	NA	N	NA		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	21	5.1	0	.	AD	FS	N	FS		