

**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 18 - Guadalupe River**

**Seg ID: 1801 - Guadalupe River Tidal**

**AU ID: 1801\_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	4	23	.	0	.	AD	FS	N	FS			
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	23	.	1	4.6	AD	NC	N	NC			
General Use	High pH	pH	12/01/13	11/30/20	9	23	.	0	.	AD	FS	N	FS			
	Low pH	pH	12/01/13	11/30/20	6.5	23	.	0	.	AD	FS	N	FS			
	Nutrient Screening Levels	Nitrate	Nitrate	12/01/13	11/30/20	1.1	21	.	19	2.78	AD	CS	N	CS	Nitrate in water	
		Total phosphorus	Total phosphorus	12/01/13	11/30/20	0.66	18	.	1	1.32	AD	NC	N	NC		
		Chlorophyll-a	Chlorophyll-a	12/01/13	11/30/20	21	21	.	2	24.15	AD	NC	N	NC		
		Ammonia	Ammonia	12/01/13	11/30/20	0.46	20	.	0	.	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	35	23	.	0	.	AD	FS	N	FS				
Recreation Use	Bacteria Geomean	Enterococcus	09/01/12	11/30/20	35	20	60.49	1	.	AD	NS	N	NS	Bacteria in water	5c	

**Seg ID: 1802 - Guadalupe River Below San Antonio River**

**AU ID: 1802\_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	82	.	0	.	AD	FS	N	FS			
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	82	.	4	4.25	AD	NC	N	NC			
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	81	2.51	0	.	AD	FS	N	FS			
General Use	Dissolved Solids	Sulfate	12/01/13	11/30/20	100	82	50.53	0	.	AD	FS	N	FS			
		Total dissolved solids	12/01/13	11/30/20	700	82	453.62	0	.	AD	FS	N	FS			
		Chloride	12/01/13	11/30/20	150	82	63.73	0	.	AD	FS	N	FS			
	High pH	pH	12/01/13	11/30/20	9	82	.	0	.	AD	FS	N	FS			
	Low pH	pH	12/01/13	11/30/20	6.5	82	.	0	.	AD	FS	N	FS			
	Nutrient Screening Levels	Chlorophyll-a	Chlorophyll-a	12/01/13	11/30/20	14.1	81	.	8	20.53	AD	NC	N	NC		
		Total phosphorus	Total phosphorus	12/01/13	11/30/20	0.69	82	.	2	0.85	AD	NC	N	NC		
		Nitrate	Nitrate	12/01/13	11/30/20	1.95	81	.	49	3.18	AD	CS	N	CS	Nitrate in water	
Ammonia		Ammonia	12/01/13	11/30/20	0.33	43	.	2	0.61	AD	NC	N	NC			
Water Temperature	Water temperature	12/01/13	11/30/20	33.9	83	.	0	.	AD	FS	N	FS				
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	82	65.07	0	.	AD	FS	N	FS			

**Seg ID: 1803 - Guadalupe River Below San Marcos River**

**AU ID: 1803\_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	Nitrate	12/01/13	11/30/20	10	138	0.99	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	500	138	342.29	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	100	138	30.83	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	100	138	33.08	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Nitrate	12/01/13	11/30/20	1.95	0	.	.	.	ID	NA	Y	CS	Nitrate in water	

**Seg ID: 1803 - Guadalupe River Below San Marcos River**

**AU ID: 1803\_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	138	0.99	0	.	AD	FS	N	FS		

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**Seg ID: 1803 - Guadalupe River Below San Marcos River**

**AU ID: 1803\_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	Sulfate	12/01/13	11/30/20	100	138	33.08	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	500	138	342.29	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	100	138	30.83	0	.	AD	FS	N	FS		

**Seg ID: 1803 - Guadalupe River Below San Marcos River**

**AU ID: 1803\_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	110	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	110	.	3	4.53	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	138	0.99	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Sulfate	12/01/13	11/30/20	100	138	33.08	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	500	138	342.29	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	100	138	30.83	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	110	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	110	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Nitrate	12/01/13	11/30/20	1.95	110	.	0	.	AD	NC	N	NC		
		Total phosphorus	12/01/13	11/30/20	0.69	110	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	109	.	8	22.59	AD	NC	N	NC		
Ammonia	12/01/13	11/30/20	0.33	69	.	2	0.98	AD	NC	N	NC				
Water Temperature	Water temperature	12/01/13	11/30/20	33.9	110	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	110	74.12	0	.	AD	FS	N	FS		

**Seg ID: 1803 - Guadalupe River Below San Marcos River**

**AU ID: 1803\_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	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	Nitrate	12/01/13	11/30/20	10	138	0.99	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	500	138	342.29	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	100	138	30.83	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	100	138	33.08	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 Screening Levels	Ammonia	12/01/13	11/30/20	0.33	28	.	2	0.47	AD	NC	N	NC		
		Total phosphorus	12/01/13	11/30/20	0.69	28	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	27	.	1	18.3	AD	NC	N	NC		
Nitrate	12/01/13	11/30/20	1.95	28	.	0	.	AD	NC	N	NC				
Water Temperature	Water temperature	12/01/13	11/30/20	33.9	28	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	28	115.15	0	.	AD	FS	N	FS		

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**Seg ID: 1803 - Guadalupe River Below San Marcos River**

**AU ID: 1803\_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	Nitrate	12/01/13	11/30/20	10	138	0.99	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Chloride	12/01/13	11/30/20	100	138	30.83	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	500	138	342.29	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	100	138	33.08	0	.	AD	FS	N	FS		

**Seg ID: 1803A - Elm Creek**

**AU ID: 1803A\_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	6	.	0	.	LD	NC	Y	NS	Depressed dissolved oxygen in water	5b
		Dissolved oxygen 24hr Min	12/01/13	11/30/20	2	6	.	0	.	LD	NC	Y	NS	Depressed dissolved oxygen in water	5b
		Dissolved oxygen Grab	12/01/13	11/30/20	2	3	.	0	.	SM	NA	Y	NS	Depressed dissolved oxygen in water	5b
		Dissolved oxygen Grab	12/01/13	11/30/20	3	3	.	0	.	SM	NA	Y	CS	Depressed dissolved oxygen in water	
		Fish community	12/01/13	11/30/20	36	2	41	.	.	AD	FS	N	FS		
		Habitat	12/01/13	11/30/20	14	2	20	.	.	AD	NC	N	NC		
		Macrobenthic community	12/01/13	11/30/20	23	2	26	.	.	AD	FS	N	FS		
General Use	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	6	.	1	0.98	LD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	6	.	5	40.48	LD	CS	N	CS	Chlorophyll-a in water	
		Nitrate	12/01/13	11/30/20	1.95	6	.	0	.	LD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	6	.	1	0.95	LD	NC	N	NC		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	3	648.91	1	.	ID	NA	N	NA		

**Seg ID: 1803B - Sandies Creek**

**AU ID: 1803B\_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	216.17	1	.	0	.	ID	NA	N	NA		
		Selenium	12/01/13	11/30/20	20	1	.	0	.	ID	NA	N	NA		
		Nickel (dissolved)	12/01/13	11/30/20	862.97	1	.	0	.	ID	NA	N	NA		
		Lead (dissolved)	12/01/13	11/30/20	140.48	1	.	0	.	ID	NA	N	NA		
		Silver (ionic)	12/01/13	11/30/20	0.8	1	.	0	.	ID	NA	N	NA		
		Mercury	12/01/13	11/30/20	2.4	1	.	0	.	ID	NA	N	NA		
		Arsenic (dissolved)	12/01/13	11/30/20	340	1	.	0	.	ID	NA	N	NA		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	1029.8	1	.	0	.	ID	NA	N	NA		
		Copper (dissolved)	12/01/13	11/30/20	28.06	1	.	0	.	ID	NA	N	NA		
		Aluminum (dissolved)	12/01/13	11/30/20	991	1	.	0	.	ID	NA	N	NA		
	Cadmium (dissolved)	12/01/13	11/30/20	17.32	1	.	0	.	ID	NA	N	NA			
	Chronic Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	217.94	1	2.5	0	.	ID	NA	N	NA		
		Selenium	12/01/13	11/30/20	5	1	1	0	.	ID	NA	N	NA		
		Nickel (dissolved)	12/01/13	11/30/20	95.85	1	1.1	0	.	ID	NA	N	NA		
		Mercury	12/01/13	11/30/20	1.3	1	0.1	0	.	ID	NA	N	NA		
		Lead (dissolved)	12/01/13	11/30/20	5.47	1	0.5	0	.	ID	NA	N	NA		
		Copper (dissolved)	12/01/13	11/30/20	17.56	1	1.62	0	.	ID	NA	N	NA		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	133.96	1	1.61	0	.	ID	NA	N	NA		
		Arsenic (dissolved)	12/01/13	11/30/20	150	1	4.37	0	.	ID	NA	N	NA		
	Cadmium (dissolved)	12/01/13	11/30/20	0.41	1	0.2	0	.	ID	NA	N	NA			
	Dissolved Oxygen 24hr average	Dissolved oxygen 24hr Avg	12/01/13	11/30/20	3	8	.	0	.	LD	NC	Y	NS	Depressed dissolved oxygen in water	5b
		Dissolved oxygen 24hr Min	12/01/13	11/30/20	2	8	.	1	1.7	LD	NC	Y	NS	Depressed dissolved oxygen in water	5b
		Dissolved oxygen Grab	12/01/13	11/30/20	2	72	.	4	1.55	SM	FS	Y	NS	Depressed dissolved oxygen in water	5b
Dissolved oxygen Grab		12/01/13	11/30/20	3	72	.	8	2.04	SM	NC	N	NA			
Fish community		12/01/13	11/30/20	35	2	43	.	.	AD	FS	N	FS			

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**Seg ID: 1803B - Sandies Creek**

**AU ID: 1803B\_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	Habitat	Habitat	12/01/13	11/30/20	14	2	19	.	.	AD	NC	N	NC		
	Macroinvertebrate community (Qualitative)	Macroinvertebrate community	12/01/13	11/30/20	22	2	31	.	.	AD	FS	N	FS		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Lead (dissolved)	12/01/13	11/30/20	3.83	1	0.5	0	.	ID	NA	N	NA		
		Mercury	12/01/13	11/30/20	0.01	1	0.01	0	.	ID	NA	N	NA		
		Nickel (dissolved)	12/01/13	11/30/20	1140	1	1.1	0	.	ID	NA	N	NA		
General Use	Nutrient Screening Levels	Nitrate	12/01/13	11/30/20	1.95	83	.	0	.	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	45	.	2	0.62	AD	NC	N	NC		
		Total phosphorus	12/01/13	11/30/20	0.69	83	.	6	0.89	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	82	.	7	29.17	AD	NC	N	NC		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	81	229.28	1	.	AD	NS	N	NS	Bacteria in water	5b

**Seg ID: 1803B - Sandies Creek**

**AU ID: 1803B\_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	3	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	3	.	0	.	ID	NA	Y	NS	Depressed dissolved oxygen in water	5b
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	2	4	.	0	.	SM	NC	Y	NS	Depressed dissolved oxygen in water	5b
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	3	4	.	0	.	SM	NC	Y	CS	Depressed dissolved oxygen in water	
Fish Consumption Use	HH Bioaccumulative Toxics in water	Mercury	12/01/13	11/30/20	0.01	1	0.01	0	.	ID	NA	N	NA		
		Nickel (dissolved)	12/01/13	11/30/20	1140	1	1.1	0	.	ID	NA	N	NA		
		Lead (dissolved)	12/01/13	11/30/20	3.83	1	0.5	0	.	ID	NA	N	NA		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	4	510.73	1	.	ID	NA	Y	NS	Bacteria in water	5b

**Seg ID: 1803C - Peach Creek**

**AU ID: 1803C\_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	Cadmium (dissolved)	12/01/13	11/30/20	17.32	1	.	0	.	ID	NA	N	NA		
		Aluminum (dissolved)	12/01/13	11/30/20	991	1	.	0	.	ID	NA	Y	PI		
		Arsenic (dissolved)	12/01/13	11/30/20	340	1	.	0	.	ID	NA	N	NA		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	1029.8	1	.	0	.	ID	NA	N	NA		
		Silver (ionic)	12/01/13	11/30/20	0.8	1	.	0	.	ID	NA	N	NA		
		Selenium	12/01/13	11/30/20	20	1	.	0	.	ID	NA	N	NA		
		Zinc (dissolved)	12/01/13	11/30/20	216.17	1	.	0	.	ID	NA	N	NA		
		Nickel (dissolved)	12/01/13	11/30/20	862.97	1	.	0	.	ID	NA	N	NA		
		Mercury	12/01/13	11/30/20	2.4	1	.	0	.	ID	NA	N	NA		
		Lead (dissolved)	12/01/13	11/30/20	140.48	1	.	0	.	ID	NA	N	NA		
	Copper (dissolved)	12/01/13	11/30/20	28.06	1	.	0	.	ID	NA	N	NA			
	Chronic Toxic Substances in water	Arsenic (dissolved)	12/01/13	11/30/20	150	1	5.04	0	.	ID	NA	N	NA		
		Cadmium (dissolved)	12/01/13	11/30/20	0.41	1	0.2	0	.	ID	NA	N	NA		
		Zinc (dissolved)	12/01/13	11/30/20	217.94	1	6.84	0	.	ID	NA	N	NA		
		Nickel (dissolved)	12/01/13	11/30/20	95.85	1	1.44	0	.	ID	NA	N	NA		
		Mercury	12/01/13	11/30/20	1.3	1	0.1	0	.	ID	NA	N	NA		
		Selenium	12/01/13	11/30/20	5	1	1	0	.	ID	NA	N	NA		
		Lead (dissolved)	12/01/13	11/30/20	5.47	1	0.5	0	.	ID	NA	N	NA		
		Copper (dissolved)	12/01/13	11/30/20	17.56	1	1.16	0	.	ID	NA	N	NA		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	133.96	1	2.67	0	.	ID	NA	N	NA		
Dissolved Oxygen 24hr average		Dissolved oxygen 24hr Avg	12/01/13	11/30/20	5	8	.	1	2.2	SM	NC	N	NA		

**2022 Texas Integrated Report - Assessment Results for Basin 18 - Guadalupe River**

**Seg ID: 1803C - Peach Creek**

**AU ID: 1803C\_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 minimum	Dissolved oxygen 24hr Min	12/01/13	11/30/20	3	8	.	1	0.5	SM	NC	N	NA		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	74	.	2	1.9	AD	FS	Y	NS	Depressed dissolved oxygen in water	5c
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	74	.	6	3.53	AD	NC	N	NC		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Mercury	12/01/13	11/30/20	0.01	1	0.01	0	.	ID	NA	N	NA		
		Nickel (dissolved)	12/01/13	11/30/20	1140	1	1.44	0	.	ID	NA	N	NA		
		Lead (dissolved)	12/01/13	11/30/20	3.83	1	0.5	0	.	ID	NA	N	NA		
General Use	Nutrient Screening Levels	Ammonia	12/01/13	11/30/20	0.33	43	.	2	0.52	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	81	.	2	21.3	AD	NC	N	NC		
		Total phosphorus	12/01/13	11/30/20	0.69	83	.	2	0.82	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	83	.	0	.	AD	NC	N	NC		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	74	200.39	1	.	AD	NS	N	NS	Bacteria in water	5b

**Seg ID: 1803C - Peach Creek**

**AU ID: 1803C\_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	1140	1	1.44	0	.	ID	NA	N	NA		
		Lead (dissolved)	12/01/13	11/30/20	3.83	1	0.5	0	.	ID	NA	N	NA		
		Mercury	12/01/13	11/30/20	0.01	1	0.01	0	.	ID	NA	N	NA		

**Seg ID: 1803C - Peach Creek**

**AU ID: 1803C\_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	5	2	.	1	4.3	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	2	.	0	.	SM	NA	N	NA		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	5	.	1	2.5	LD	NC	Y	NS	Depressed dissolved oxygen in water	5c
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	5	.	4	3.48	SM	CS	N	NA		
	Fish Community (Regional)	Fish community	12/01/13	11/30/20	42	2	42	.	.	AD	FS	N	FS		
	Habitat	Habitat	12/01/13	11/30/20	20	2	24	.	.	AD	NC	N	NC		
	Macrobenthic community (Qualitative)	Macrobenthic community	12/01/13	11/30/20	30	2	25	.	.	AD	NS	N	CN	Impaired macrobenthic community in water	
Fish Consumption Use	HH Bioaccumulative Toxics in water	Mercury	12/01/13	11/30/20	0.01	1	0.01	0	.	ID	NA	N	NA		
		Nickel (dissolved)	12/01/13	11/30/20	1140	1	1.44	0	.	ID	NA	N	NA		
		Lead (dissolved)	12/01/13	11/30/20	3.83	1	0.5	0	.	ID	NA	N	NA		
General Use	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	0	.	.	.	ID	NA	Y	CS	Total Phosphorus in water	
		Chlorophyll-a	12/01/13	11/30/20	14.1	0	.	.	.	ID	NA	Y	CS	Chlorophyll-a in water	
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	5	500.62	1	.	ID	NA	Y	NS	Bacteria in water	5b

**Seg ID: 1804 - Guadalupe River Below Comal River**

**AU ID: 1804\_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	42	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	42	.	0	.	AD	NC	N	NC		

**2022 Texas Integrated Report - Assessment Results for Basin 18 - Guadalupe River**

**Seg ID: 1804 - Guadalupe River Below Comal River  
AU ID: 1804\_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	Nickel (dissolved)	12/01/13	11/30/20	332	2	1.51	0	.	ID	NA	N	NA		
		Selenium	12/01/13	11/30/20	50	2	2	0	.	ID	NA	N	NA		
		Nitrate	12/01/13	11/30/20	10	259	1.21	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	10	0.14	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	2	0.51	0	.	ID	NA	N	NA		
		Lead (dissolved)	12/01/13	11/30/20	1.15	2	0.51	0	.	ID	NA	N	NA		
		Arsenic (dissolved)	12/01/13	11/30/20	10	2	1.02	0	.	ID	NA	N	NA		
		Mercury	12/01/13	11/30/20	0.01	2	0	0	.	ID	NA	N	NA		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	2	1.51	0	.	ID	NA	N	NA		
		Mercury	12/01/13	11/30/20	0.01	2	0	0	.	ID	NA	N	NA		
		Lead (dissolved)	12/01/13	11/30/20	1.15	2	0.51	0	.	ID	NA	N	NA		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	260	343.39	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	259	28.27	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	100	259	22.46	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	42	.	0	.	AD	FS	N	FS		
		Low pH	pH	12/01/13	11/30/20	6.5	42	.	0	.	AD	FS	N	FS	
	Nutrient Screening Levels	Nitrate	12/01/13	11/30/20	1.95	42	.	2	2.06	AD	NC	N	NC		
		Total phosphorus	12/01/13	11/30/20	0.69	42	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	41	.	0	.	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	33	.	0	.	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	42	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	42	18.56	0	.	AD	FS	N	FS		

**Seg ID: 1804 - Guadalupe River Below Comal River  
AU ID: 1804\_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	214.99	2	.	0	.	ID	NA	N	NA		
		Silver (ionic)	12/01/13	11/30/20	0.8	2	.	0	.	ID	NA	N	NA		
		Nickel (dissolved)	12/01/13	11/30/20	858.25	2	.	0	.	ID	NA	N	NA		
		Selenium	12/01/13	11/30/20	20	2	.	0	.	ID	NA	N	NA		
		Mercury	12/01/13	11/30/20	2.4	2	.	0	.	ID	NA	N	NA		
		Lead (dissolved)	12/01/13	11/30/20	139.52	2	.	0	.	ID	NA	N	NA		
		Copper (dissolved)	12/01/13	11/30/20	27.89	2	.	0	.	ID	NA	N	NA		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	1024.34	2	.	0	.	ID	NA	N	NA		
		Cadmium (dissolved)	12/01/13	11/30/20	17.21	2	.	0	.	ID	NA	N	NA		
		Arsenic (dissolved)	12/01/13	11/30/20	340	2	.	0	.	ID	NA	N	NA		
	Aluminum (dissolved)	12/01/13	11/30/20	991	2	.	0	.	ID	NA	N	NA			
	Chronic Toxic Substances in water	Zinc (dissolved)	12/01/13	11/30/20	224.2	2	2.02	0	.	ID	NA	N	NA		
		Selenium	12/01/13	11/30/20	5	2	2	0	.	ID	NA	N	NA		
		Nickel (dissolved)	12/01/13	11/30/20	98.6	2	1.51	0	.	ID	NA	N	NA		
		Mercury	12/01/13	11/30/20	1.3	2	0	0	.	ID	NA	N	NA		
		Lead (dissolved)	12/01/13	11/30/20	5.67	2	0.51	0	.	ID	NA	N	NA		
		Copper (dissolved)	12/01/13	11/30/20	18.07	2	0.51	0	.	ID	NA	N	NA		
		Chromium (Tri)(dissolved)	12/01/13	11/30/20	137.67	2	1.61	0	.	ID	NA	N	NA		
		Cadmium (dissolved)	12/01/13	11/30/20	0.42	2	0.21	0	.	ID	NA	N	NA		
		Arsenic (dissolved)	12/01/13	11/30/20	150	2	1.02	0	.	ID	NA	N	NA		
Dissolved Oxygen grab minimum		Dissolved oxygen Grab	12/01/13	11/30/20	3	26	.	0	.	AD	FS	N	FS		
Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	26	.	0	.	AD	NC	N	NC			



**2022 Texas Integrated Report - Assessment Results for Basin 18 - Guadalupe River**

**Seg ID: 1804 - Guadalupe River Below Comal River  
AU ID: 1804\_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	2	2	0	.	ID	NA	N	NA		
		Nitrate	12/01/13	11/30/20	10	259	1.21	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	10	0.14	0	.	AD	FS	N	FS		
		Mercury	12/01/13	11/30/20	0.01	2	0	0	.	ID	NA	N	NA		
		Nickel (dissolved)	12/01/13	11/30/20	332	2	1.51	0	.	ID	NA	N	NA		
		Lead (dissolved)	12/01/13	11/30/20	1.15	2	0.51	0	.	ID	NA	N	NA		
		Cadmium (dissolved)	12/01/13	11/30/20	5	2	0.51	0	.	ID	NA	N	NA		
		Arsenic (dissolved)	12/01/13	11/30/20	10	2	1.02	0	.	ID	NA	N	NA		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	2	1.51	0	.	ID	NA	N	NA		
		Mercury	12/01/13	11/30/20	0.01	2	0	0	.	ID	NA	N	NA		
		Lead (dissolved)	12/01/13	11/30/20	1.15	2	0.51	0	.	ID	NA	N	NA		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	260	343.39	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	259	28.27	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	100	259	22.46	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	26	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	26	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	30	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	30	.	3	2.17	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	30	.	2	17.4	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	30	.	0	.	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	26	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	29	53.2	0	.	AD	FS	N	FS		

**Seg ID: 1804 - Guadalupe River Below Comal River  
AU ID: 1804\_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	83	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	83	.	0	.	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	259	1.21	0	.	AD	FS	N	FS		
		Mercury	12/01/13	11/30/20	0.01	2	0	0	.	ID	NA	N	NA		
		Nickel (dissolved)	12/01/13	11/30/20	332	2	1.51	0	.	ID	NA	N	NA		
		Lead (dissolved)	12/01/13	11/30/20	1.15	2	0.51	0	.	ID	NA	N	NA		
		Fluoride	12/01/13	11/30/20	4	10	0.14	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	2	0.51	0	.	ID	NA	N	NA		
		Arsenic (dissolved)	12/01/13	11/30/20	10	2	1.02	0	.	ID	NA	N	NA		
		Selenium	12/01/13	11/30/20	50	2	2	0	.	ID	NA	N	NA		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	2	1.51	0	.	ID	NA	N	NA		
		Mercury	12/01/13	11/30/20	0.01	2	0	0	.	ID	NA	N	NA		
		Lead (dissolved)	12/01/13	11/30/20	1.15	2	0.51	0	.	ID	NA	N	NA		
General Use	Dissolved Solids	Chloride	12/01/13	11/30/20	100	259	22.46	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	400	260	343.39	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	259	28.27	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	83	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	83	.	0	.	AD	FS	N	FS		

**2022 Texas Integrated Report - Assessment Results for Basin 18 - Guadalupe River**

**Seg ID: 1804 - Guadalupe River Below Comal River  
AU ID: 1804\_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	Nitrate	12/01/13	11/30/20	1.95	83	.	1	2.66	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	82	.	13	23.81	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	42	.	1	0.7	AD	NC	N	NC		
		Total phosphorus	12/01/13	11/30/20	0.69	83	.	0	.	AD	NC	N	NC		
	Water Temperature	Water temperature	12/01/13	11/30/20	32.2	83	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	83	22.89	0	.	AD	FS	N	FS		

**Seg ID: 1804 - Guadalupe River Below Comal River  
AU ID: 1804\_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	83	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	83	.	0	.	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	2	2	0	.	ID	NA	N	NA		
		Nitrate	12/01/13	11/30/20	10	259	1.21	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	2	1.51	0	.	ID	NA	N	NA		
		Mercury	12/01/13	11/30/20	0.01	2	0	0	.	ID	NA	N	NA		
		Lead (dissolved)	12/01/13	11/30/20	1.15	2	0.51	0	.	ID	NA	N	NA		
		Fluoride	12/01/13	11/30/20	4	10	0.14	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	2	0.51	0	.	ID	NA	N	NA		
Arsenic (dissolved)	12/01/13	11/30/20	10	2	1.02	0	.	ID	NA	N	NA				
Fish Consumption Use	HH Bioaccumulative Toxics in water	Mercury	12/01/13	11/30/20	0.01	2	0	0	.	ID	NA	N	NA		
		Lead (dissolved)	12/01/13	11/30/20	1.15	2	0.51	0	.	ID	NA	N	NA		
		Nickel (dissolved)	12/01/13	11/30/20	332	2	1.51	0	.	ID	NA	N	NA		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	260	343.39	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	100	259	22.46	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	259	28.27	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	83	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	83	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	83	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	83	.	4	2.09	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	82	.	6	20.63	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	42	.	3	0.37	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	83	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	83	104.55	0	.	AD	FS	N	FS		

**Seg ID: 1804 - Guadalupe River Below Comal River  
AU ID: 1804\_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	21	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	21	.	0	.	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Selenium	12/01/13	11/30/20	50	2	2	0	.	ID	NA	N	NA		
		Nitrate	12/01/13	11/30/20	10	259	1.21	0	.	AD	FS	N	FS		
		Nickel (dissolved)	12/01/13	11/30/20	332	2	1.51	0	.	ID	NA	N	NA		
		Lead (dissolved)	12/01/13	11/30/20	1.15	2	0.51	0	.	ID	NA	N	NA		
		Mercury	12/01/13	11/30/20	0.01	2	0	0	.	ID	NA	N	NA		

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**Seg ID: 1804 - Guadalupe River Below Comal River  
AU ID: 1804\_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	Fluoride	12/01/13	11/30/20	4	10	0.14	0	.	AD	FS	N	FS		
		Cadmium (dissolved)	12/01/13	11/30/20	5	2	0.51	0	.	ID	NA	N	NA		
		Arsenic (dissolved)	12/01/13	11/30/20	10	2	1.02	0	.	ID	NA	N	NA		
Fish Consumption Use	HH Bioaccumulative Toxics in water	Nickel (dissolved)	12/01/13	11/30/20	332	2	1.51	0	.	ID	NA	N	NA		
		Mercury	12/01/13	11/30/20	0.01	2	0	0	.	ID	NA	N	NA		
		Lead (dissolved)	12/01/13	11/30/20	1.15	2	0.51	0	.	ID	NA	N	NA		
General Use	Dissolved Solids	Sulfate	12/01/13	11/30/20	50	259	28.27	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	100	259	22.46	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	400	260	343.39	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	21	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	21	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Nitrate	12/01/13	11/30/20	1.95	21	.	1	2.22	AD	NC	N	NC		
		Total phosphorus	12/01/13	11/30/20	0.69	21	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	21	.	1	14.5	AD	NC	N	NC		
Ammonia	12/01/13	11/30/20	0.33	21	.	0	.	AD	NC	N	NC				
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	21	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	21	26.45	0	.	AD	FS	N	FS		

**Seg ID: 1804A - Geronimo Creek  
AU ID: 1804A\_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	159	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	159	.	0	.	AD	NC	N	NC		
General Use	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	162	.	1	2.87	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	162	.	159	9.12	AD	CS	N	CS	Nitrate in water	
		Chlorophyll-a	12/01/13	11/30/20	14.1	156	.	0	.	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	131	.	13	0.38	AD	NC	N	NC		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	159	214.21	1	.	AD	NS	N	NS	Bacteria in water	5c

**Seg ID: 1804C - Alligator Creek  
AU ID: 1804C\_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	15	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	2	15	.	2	1.8	AD	NC	N	NC		
General Use	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	15	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	15	.	0	.	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	15	.	4	0.61	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	14	.	2	29.05	AD	NC	N	NC		
Recreation Use	Bacteria Geomean	E. coli	05/01/13	11/30/20	126	20	37.24	0	.	AD	FS	N	FS		

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**Seg ID: 1804D - Bear Creek**

**AU ID: 1804D\_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	0	.	.	.	ID	NA	Y	CN	Bacteria in water	

**Seg ID: 1805 - Canyon Lake**

**AU ID: 1805\_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	4	110	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	6	110	.	0	.	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	174	0.1	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	64	0.16	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
General Use	Dissolved Solids	Sulfate	12/01/13	11/30/20	50	174	21.58	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	400	184	263.81	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	174	19.4	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	110	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	110	.	0	.	AD	FS	N	FS		
	Nutrient Reservoir Criteria	Nutrients	12/01/13	11/30/20	.	.	.	.	.	AD	FS	N	FS		
	Water Temperature	Water temperature	12/01/13	11/30/20	32.2	110	.	1	36.3	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	110	3.62	0	.	AD	FS	N	FS		

**Seg ID: 1805 - Canyon Lake**

**AU ID: 1805\_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	4	21	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	6	21	.	0	.	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	174	0.1	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	64	0.16	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
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	184	263.81	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	174	21.58	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	174	19.4	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	20	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	20	.	0	.	AD	FS	N	FS		
	Nutrient Reservoir Criteria	Nutrients	12/01/13	11/30/20	.	.	.	.	.	AD	FS	N	FS		
	Water Temperature	Water temperature	12/01/13	11/30/20	32.2	25	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	20	0.74	0	.	AD	FS	N	FS		

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**Seg ID: 1805 - Canyon Lake**

**AU ID: 1805\_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	4	21	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	6	21	.	0	.	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	174	0.1	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	64	0.16	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
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	184	263.81	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	174	21.58	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	174	19.4	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	20	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	20	.	0	.	AD	FS	N	FS		
	Nutrient Reservoir Criteria	Nutrients	12/01/13	11/30/20	.	.	.	.	.	AD	FS	N	FS		
	Water Temperature	Water temperature	12/01/13	11/30/20	32.2	24	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	21	0.99	0	.	AD	FS	N	FS		

**Seg ID: 1805 - Canyon Lake**

**AU ID: 1805\_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	4	22	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	6	22	.	2	5.51	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	174	0.1	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	64	0.16	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
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	184	263.81	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	174	21.58	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	174	19.4	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	22	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	22	.	0	.	AD	FS	N	FS		
	Nutrient Reservoir Criteria	Nutrients	12/01/13	11/30/20	.	.	.	.	.	AD	FS	N	FS		
	Water Temperature	Water temperature	12/01/13	11/30/20	32.2	25	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	22	0.92	0	.	AD	FS	N	FS		

**Seg ID: 1805A - Rebecca Creek**

**AU ID: 1805A\_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	Fish Community (Regional)	Fish community	12/01/13	11/30/20	12	2	47	.	.	AD	FS	N	FS		
	Habitat	Habitat	12/01/13	11/30/20	4	2	24	.	.	AD	NC	N	NC		
	Macrobenthic community (Qualitative)	Macrobenthic community	12/01/13	11/30/20	10	2	29	.	.	AD	FS	N	FS		

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**Seg ID: 1805A - Rebecca Creek**

**AU ID: 1805A\_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	2	2	.	0	.	SM	NA	N	NA		
	Dissolved Oxygen 24hr minimum	Dissolved oxygen 24hr Min	12/01/13	11/30/20	1.5	2	.	0	.	SM	NA	N	NA		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	1.5	2	.	0	.	ID	NA	N	NA		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	2	2	.	0	.	ID	NA	N	NA		

**Seg ID: 1806 - Guadalupe River Above Canyon Lake**

**AU ID: 1806\_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	4	58	.	1	3	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	6	58	.	2	4.1	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	308	0.4	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	674	308.23	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	308	19.92	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	309	23.52	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	58	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	58	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	82	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	82	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	80	.	0	.	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	42	.	2	0.44	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	58	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	80	69.25	0	.	AD	FS	N	FS		

**Seg ID: 1806 - Guadalupe River Above Canyon Lake**

**AU ID: 1806\_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	6	4	.	0	.	SM	NC	N	NA		
	Dissolved Oxygen 24hr minimum	Dissolved oxygen 24hr Min	12/01/13	11/30/20	4	4	.	0	.	SM	NC	N	NA		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	4	116	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	6	116	.	0	.	AD	NC	N	NC		
	Fish Community (Regional)	Fish community	12/01/13	11/30/20	52	6	50	.	.	AD	NS	N	CN	Impaired fish community in water	
	Habitat	Habitat	12/01/13	11/30/20	26	6	25	.	.	AD	CS	N	CS	Impaired habitat in water	
	Macrobenthic community (Qualitative)	Macrobenthic community	12/01/13	11/30/20	36	6	36	.	.	AD	FS	N	FS		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	308	0.4	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Sulfate	12/01/13	11/30/20	50	308	19.92	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	400	674	308.23	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	309	23.52	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	116	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	116	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Nitrate	12/01/13	11/30/20	1.95	108	.	0	.	AD	NC	N	NC		
		Total phosphorus	12/01/13	11/30/20	0.69	112	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	108	.	0	.	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	12	.	0	.	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	116	.	0	.	AD	FS	N	FS			

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**Seg ID: 1806 - Guadalupe River Above Canyon Lake**

**AU ID: 1806\_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	112	47.79	0	.	AD	FS	N	FS		

**Seg ID: 1806 - Guadalupe River Above Canyon Lake**

**AU ID: 1806\_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
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	4	35	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	6	35	.	1	5.7	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	308	0.4	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Sulfate	12/01/13	11/30/20	50	308	19.92	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	400	674	308.23	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	309	23.52	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	35	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	35	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	35	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	35	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	34	.	0	.	AD	NC	N	NC		
Ammonia		12/01/13	11/30/20	0.33	35	.	0	.	AD	NC	N	NC			
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	34	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	35	166.86	1	.	AD	NS	N	NS	Bacteria in water	5c

**Seg ID: 1806 - Guadalupe River Above Canyon Lake**

**AU ID: 1806\_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
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	4	88	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	6	88	.	1	5.7	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	308	0.4	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	674	308.23	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	308	19.92	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	309	23.52	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	88	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	88	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	28	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	27	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	27	.	0	.	AD	NC	N	NC		
Water Temperature		Water temperature	12/01/13	11/30/20	32.2	88	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	88	97.61	0	.	AD	FS	N	FS		

**2022 Texas Integrated Report - Assessment Results for Basin 18 - Guadalupe River**

**Seg ID: 1806 - Guadalupe River Above Canyon Lake  
AU ID: 1806\_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
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	4	298	.	2	3.7	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	6	298	.	25	5.22	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	308	0.4	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Sulfate	12/01/13	11/30/20	50	308	19.92	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	400	674	308.23	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	309	23.52	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	298	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	298	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	28	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	27	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	27	.	0	.	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	298	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	298	70.15	0	.	AD	FS	N	FS		

**Seg ID: 1806 - Guadalupe River Above Canyon Lake  
AU ID: 1806\_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	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	4	17	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	6	17	.	1	5.9	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	308	0.4	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	674	308.23	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	308	19.92	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	309	23.52	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	17	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	17	.	0	.	AD	FS	N	FS		
	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	4	.	0	.	LD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	5	.	0	.	LD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	17	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	26	6.97	0	.	AD	FS	N	FS		

**Seg ID: 1806 - Guadalupe River Above Canyon Lake  
AU ID: 1806\_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
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	4	30	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	6	30	.	2	5.45	AD	NC	N	NC		
	Fish Community (Regional)	Fish community	12/01/13	11/30/20	52	2	48	.	.	AD	NS	N	CN	Impaired fish community in water	
	Habitat	Habitat	12/01/13	11/30/20	26	2	22	.	.	AD	CS	N	CS	Impaired habitat in water	
	Macroinvertebrate community (Qualitative)	Macroinvertebrate community	12/01/13	11/30/20	36	2	37	.	.	AD	FS	N	FS		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	308	0.4	0	.	AD	FS	N	FS		



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**Seg ID: 1806 - Guadalupe River Above Canyon Lake  
AU ID: 1806\_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
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	674	308.23	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	308	19.92	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	309	23.52	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	30	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	30	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	28	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	27	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	27	.	0	.	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	30	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	28	44.05	0	.	AD	FS	N	FS		

**Seg ID: 1806A - Camp Meeting Creek  
AU ID: 1806A\_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	2	46	.	2	2.05	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	4	46	.	7	3.66	AD	CS	N	CS	Depressed dissolved oxygen in water	
General Use	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	28	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	27	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	27	.	0	.	AD	NC	N	NC		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	46	220.35	1	.	AD	NS	N	NS	Bacteria in water	5a

**Seg ID: 1806D - Quinlan Creek  
AU ID: 1806D\_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	2	47	.	1	0.8	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	3	47	.	1	0.8	AD	NC	N	NC		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	39	232.87	1	.	AD	NS	N	NS	Bacteria in water	4a

**Seg ID: 1806E - Town Creek  
AU ID: 1806E\_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	71	.	2	2.55	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	71	.	8	3.93	AD	NC	N	NC		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	71	375.31	1	.	AD	NS	N	NS	Bacteria in water	4a

**Seg ID: 1807 - Coleta Creek  
AU ID: 1807\_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	Nitrate	12/01/13	11/30/20	10	83	0.04	0	.	AD	FS	N	FS		

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**Seg ID: 1807 - Coleta Creek**

**AU ID: 1807\_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	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	500	83	267.44	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	100	83	17.99	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	250	83	39.08	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Chlorophyll-a	12/01/13	11/30/20	14.1	0	.	.	.	ID	NA	Y	CS	Chlorophyll-a in water	

**Seg ID: 1807 - Coleta Creek**

**AU ID: 1807\_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	83	.	1	2	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	83	.	1	2	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	83	0.04	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Chloride	12/01/13	11/30/20	250	83	39.08	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	500	83	267.44	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	100	83	17.99	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	83	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	83	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Nitrate	12/01/13	11/30/20	1.95	83	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	82	.	36	19.51	AD	CS	N	CS	Chlorophyll-a in water	
		Ammonia	12/01/13	11/30/20	0.33	47	.	2	0.6	AD	NC	N	NC		
Water Temperature	Total phosphorus	12/01/13	11/30/20	0.69	83	.	0	.	AD	NC	N	NC			
Water Temperature	Water temperature	12/01/13	11/30/20	33.9	83	.	3	34.83	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	83	5.19	0	.	AD	FS	N	FS		

**Seg ID: 1808 - Lower San Marcos River**

**AU ID: 1808\_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		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	133	1.27	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	23	0.15	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	135	364.19	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	134	31.47	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	60	134	26.79	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 Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	27	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	27	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	27	.	0	.	AD	NC	N	NC		
Ammonia	12/01/13	11/30/20	0.33	27	.	1	0.67	AD	NC	N	NC				
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	28	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	27	126.27	1	.	AD	CN	N	CN	Bacteria in water	

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**Seg ID: 1808 - Lower San Marcos River**

**AU ID: 1808\_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	133	1.27	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	23	0.15	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	135	364.19	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	134	31.47	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	60	134	26.79	0	.	AD	FS	N	FS		

**Seg ID: 1808 - Lower San Marcos River**

**AU ID: 1808\_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	82	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	82	.	0	.	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	133	1.27	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	23	0.15	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	135	364.19	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	134	31.47	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	60	134	26.79	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	82	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	82	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	83	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	83	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	81	.	2	20.65	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	40	.	1	0.34	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	82	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	83	83.34	0	.	AD	FS	N	FS		

**Seg ID: 1808 - Lower San Marcos River**

**AU ID: 1808\_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	25	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	25	.	0	.	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	133	1.27	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	23	0.15	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	135	364.19	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	134	31.47	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	60	134	26.79	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	25	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	25	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	23	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	23	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	23	.	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	25	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	22	116.06	0	.	AD	FS	N	FS		

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**Seg ID: 1809 - Lower Blanco River  
AU ID: 1809\_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	18	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	18	.	0	.	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	31	0.36	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	31	0.15	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	31	317.83	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	33	28.25	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	33	15.5	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	18	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	18	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	23	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	22	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	22	.	0	.	AD	NC	N	NC		
Ammonia	12/01/13	11/30/20	0.33	20	.	0	.	AD	NC	N	NC				
Water Temperature	Water temperature	12/01/13	11/30/20	33.3	18	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	07/01/13	11/30/20	126	20	39.45	0	.	AD	FS	N	FS		

**Seg ID: 1809 - Lower Blanco River  
AU ID: 1809\_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	13	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	13	.	0	.	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	31	0.36	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	31	0.15	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	31	317.83	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	33	28.25	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	33	15.5	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	13	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	13	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	24	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	23	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	23	.	1	18.3	AD	NC	N	NC		
Ammonia	12/01/13	11/30/20	0.33	23	.	0	.	AD	NC	N	NC				
Water Temperature	Water temperature	12/01/13	11/30/20	33.3	13	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	07/01/12	11/30/20	126	20	15.92	0	.	AD	FS	N	FS		

**Seg ID: 1810 - Plum Creek  
AU ID: 1810\_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	10	.	1	4.4	AD	FS	N	FS		
	Dissolved Oxygen 24hr minimum	Dissolved oxygen 24hr Min	12/01/13	11/30/20	3	10	.	1	2.6	AD	FS	N	FS		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	85	.	0	.	SM	FS	N	NA		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	85	.	3	4.47	SM	NC	N	NA		
	Fish Community (Regional)	Fish community	12/01/13	11/30/20	42	4	39	.	.	AD	NS	N	CN	Impaired fish community in water	
	Habitat	Habitat	12/01/13	11/30/20	20	4	19	.	.	AD	CS	N	CS	Impaired habitat in water	
Macroinvertebrate community (Qualitative)	Macroinvertebrate community	12/01/13	11/30/20	30	4	31	.	.	AD	FS	N	FS			

2022 Texas Integrated Report - Assessment Results for Basin 18 - Guadalupe River

Seg ID: 1810 - Plum Creek  
AU ID: 1810\_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	Nitrate	12/01/13	11/30/20	10	245	4.93	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	1120	264	612.95	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	150	245	81.43	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	350	245	111.56	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	86	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	86	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	83	.	25	0.97	AD	CS	N	CS	Total Phosphorus in water	
		Nitrate	12/01/13	11/30/20	1.95	83	.	48	4.17	AD	CS	N	CS	Nitrate in water	
		Chlorophyll-a	12/01/13	11/30/20	14.1	81	.	1	19.4	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	47	.	4	0.49	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	87	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	83	259.27	1	.	AD	NS	N	NS	Bacteria in water	4b

Seg ID: 1810 - Plum Creek  
AU ID: 1810\_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	07/01/12	11/30/20	5	10	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen 24hr minimum	Dissolved oxygen 24hr Min	07/01/12	11/30/20	3	10	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	80	.	0	.	SM	FS	N	NA		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	80	.	2	3.95	SM	NC	N	NA		
	Fish Community (Regional)	Fish community	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CN	Impaired fish community in water	
	Habitat	Habitat	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CS	Impaired habitat in water	
	Toxic Substances in sediment	Xylene	12/01/13	11/30/20	12010	2	.	0	.	ID	NA	N	NA		
		Toluene	12/01/13	11/30/20	20290	2	.	0	.	ID	NA	N	NA		
		Ethylbenzene	12/01/13	11/30/20	7880	2	.	0	.	ID	NA	N	NA		
Benzene	12/01/13	11/30/20	2870	2	.	0	.	ID	NA	N	NA				
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	245	4.93	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	1120	264	612.95	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	150	245	81.43	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	350	245	111.56	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	80	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	80	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	81	.	47	1.21	AD	CS	N	CS	Total Phosphorus in water	
		Nitrate	12/01/13	11/30/20	1.95	81	.	68	6.03	AD	CS	N	CS	Nitrate in water	
		Chlorophyll-a	12/01/13	11/30/20	14.1	79	.	2	18.95	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	46	.	4	0.95	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	80	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	81	343.94	1	.	AD	NS	N	NS	Bacteria in water	4b

**2022 Texas Integrated Report - Assessment Results for Basin 18 - Guadalupe River**

**Seg ID: 1810 - Plum Creek**

**AU ID: 1810\_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	05/01/12	11/30/20	5	10	.	1	4.6	AD	FS	N	FS		
	Dissolved Oxygen 24hr minimum	Dissolved oxygen 24hr Min	05/01/12	11/30/20	3	10	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	3	81	.	4	2.43	SM	FS	N	NA		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	81	.	15	3.53	SM	CS	N	NA		
	Macrobenthic community (Qualitative)	Macrobenthic community	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	CN	Impaired macrobenthic community in water	
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	245	4.93	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	1120	264	612.95	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	150	245	81.43	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	350	245	111.56	0	.	AD	FS	N	FS		
	Fish Kill Reports	Fish Kill Reports	12/01/13	11/30/20	.	0	.	.	.	OE	CN	N	CN	Fish kill in water	
	High pH	pH	12/01/13	11/30/20	9	81	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	81	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	81	.	53	2.2	AD	CS	N	CS	Total Phosphorus in water	
		Nitrate	12/01/13	11/30/20	1.95	81	.	64	8.27	AD	CS	N	CS	Nitrate in water	
		Chlorophyll-a	12/01/13	11/30/20	14.1	79	.	4	19.58	AD	NC	N	NC		
Ammonia		12/01/13	11/30/20	0.33	45	.	18	2.68	AD	CS	N	CS	Ammonia in water		
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	81	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	81	450.31	1	.	AD	NS	N	NS	Bacteria in water	4b

**Seg ID: 1810A - Town Branch**

**AU ID: 1810A\_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	2	.	0	.	SM	NA	N	NA		
	Dissolved Oxygen 24hr minimum	Dissolved oxygen 24hr Min	12/01/13	11/30/20	3	2	.	0	.	SM	NA	N	NA		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	06/01/11	11/30/20	3	10	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	06/01/11	11/30/20	5	10	.	2	4.15	AD	CS	N	CS	Depressed dissolved oxygen in water	
	Fish Community (Regional)	Fish community	12/01/13	11/30/20	41	2	42	.	.	AD	FS	N	FS		
	Habitat	Habitat	12/01/13	11/30/20	20	2	23	.	.	AD	NC	N	NC		
	Macrobenthic community (Qualitative)	Macrobenthic community	12/01/13	11/30/20	29	2	31	.	.	AD	FS	N	FS		
General Use	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	3	.	0	.	ID	NA	N	NA		
		Nitrate	12/01/13	11/30/20	1.95	3	.	3	10.2	ID	NA	Y	CS	Nitrate in water	
		Ammonia	12/01/13	11/30/20	0.33	3	.	1	0.6	ID	NA	N	NA		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	3	436.1	1	.	ID	NA	Y	CN	Bacteria in water	

**Seg ID: 1811 - Comal River**

**AU ID: 1811\_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	80	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	80	.	0	.	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	160	1.84	0	.	AD	FS	N	FS		

**2022 Texas Integrated Report - Assessment Results for Basin 18 - Guadalupe River**

**Seg ID: 1811 - Comal River  
AU ID: 1811\_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	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	160	382	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	160	30.23	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	160	19.37	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	80	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	80	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	83	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	83	.	13	2	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	82	.	0	.	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	41	.	0	.	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	80	.	0	.	AD	FS	N	FS			

Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	83	156.28	1	.	AD	NS	N	NS	Bacteria in water	5c
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**Seg ID: 1811 - Comal River  
AU ID: 1811\_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	74	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	5	74	.	0	.	AD	NC	N	NC		

Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	160	1.84	0	.	AD	FS	N	FS		
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General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	160	382	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	160	30.23	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	160	19.37	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	74	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	74	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	77	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	77	.	12	2.02	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	77	.	0	.	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	40	.	0	.	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	74	.	0	.	AD	FS	N	FS			

Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	77	101.37	0	.	AD	FS	N	FS		
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**Seg ID: 1811A - Dry Comal Creek  
AU ID: 1811A\_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	2	83	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	3	83	.	0	.	AD	NC	N	NC		

General Use	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	83	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	83	.	3	2.34	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	82	.	4	22.55	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	43	.	1	0.36	AD	NC	N	NC		

Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	83	362.29	1	.	AD	NS	N	NS	Bacteria in water	5c
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**2022 Texas Integrated Report - Assessment Results for Basin 18 - Guadalupe River**

**Seg ID: 1812 - Guadalupe River Below Canyon Dam  
AU ID: 1812\_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	4	20	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	6	20	.	0	.	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	132	0.26	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	132	288.11	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	131	23.79	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	131	18.61	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	20	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	20	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	28	.	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	28	.	1	21.2	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	28	.	0	.	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	20	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	28	83.6	0	.	AD	FS	N	FS		

**Seg ID: 1812 - Guadalupe River Below Canyon Dam  
AU ID: 1812\_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	4	82	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	6	82	.	0	.	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	132	0.26	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	132	288.11	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	131	23.79	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	131	18.61	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	82	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	82	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	82	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	82	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	80	.	0	.	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	42	.	1	0.36	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	82	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	82	64.33	0	.	AD	FS	N	FS		

**Seg ID: 1812 - Guadalupe River Below Canyon Dam  
AU ID: 1812\_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	4	22	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	6	22	.	1	5.7	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	132	0.26	0	.	AD	FS	N	FS		



**2022 Texas Integrated Report - Assessment Results for Basin 18 - Guadalupe River**

**Seg ID: 1812 - Guadalupe River Below Canyon Dam  
AU ID: 1812\_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	Total dissolved solids	12/01/13	11/30/20	400	132	288.11	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	131	23.79	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	131	18.61	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	22	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	22	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	22	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	22	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	22	.	0	.	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	22	.	1	0.39	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	32.2	22	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	22	67.96	0	.	AD	FS	N	FS		

**Seg ID: 1813 - Upper Blanco River  
AU ID: 1813\_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	4	22	.	1	0.6	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	6	22	.	1	0.6	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	156	0.31	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	25	0.2	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	155	318.89	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	26	34.73	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	26	14.44	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	24	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	24	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	24	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	24	.	0	.	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	24	.	1	0.48	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	33.3	24	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	24	22.24	0	.	AD	FS	N	FS		

**Seg ID: 1813 - Upper Blanco River  
AU ID: 1813\_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	4	30	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	6	30	.	0	.	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	156	0.31	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	25	0.2	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	155	318.89	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	26	34.73	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	26	14.44	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	34	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	34	.	0	.	AD	FS	N	FS		

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Seg ID: 1813 - Upper Blanco River AU ID: 1813_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	Total phosphorus	12/01/13	11/30/20	0.69	37	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	37	.	0	.	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	37	.	0	.	AD	NC	N	NC		
	Water Temperature	Water temperature	12/01/13	11/30/20	33.3	34	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	37	65.45	0	.	AD	FS	N	FS		

Seg ID: 1813 - Upper Blanco River AU ID: 1813_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	4	47	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	6	47	.	1	5.3	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	156	0.31	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	25	0.2	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Sulfate	12/01/13	11/30/20	50	26	34.73	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	400	155	318.89	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	26	14.44	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	47	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	47	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	47	.	1	6.94	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	47	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	26	.	0	.	AD	NC	N	NC		
Ammonia		12/01/13	11/30/20	0.33	48	.	0	.	AD	NC	N	NC			
Water Temperature	Water temperature	12/01/13	11/30/20	33.3	47	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	47	22	0	.	AD	FS	N	FS		

Seg ID: 1813 - Upper Blanco River AU ID: 1813_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	Nitrate	12/01/13	11/30/20	10	156	0.31	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	25	0.2	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	155	318.89	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	26	34.73	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	26	14.44	0	.	AD	FS	N	FS		

Seg ID: 1813 - Upper Blanco River AU ID: 1813_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	4	43	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	6	43	.	0	.	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	156	0.31	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	25	0.2	0	.	AD	FS	N	FS		

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**Seg ID: 1813 - Upper Blanco River  
AU ID: 1813\_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	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	155	318.89	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	26	34.73	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	26	14.44	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	47	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	47	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	48	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	48	.	0	.	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	48	.	0	.	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	33.3	47	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	48	46.95	0	.	AD	FS	N	FS		

**Seg ID: 1814 - Upper San Marcos River  
AU ID: 1814\_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	Nitrate	12/01/13	11/30/20	10	28	1.23	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	11	0.15	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	28	399.19	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	28	27.69	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	28	19.88	0	.	AD	FS	N	FS		

**Seg ID: 1814 - Upper San Marcos River  
AU ID: 1814\_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	28	1.23	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	11	0.15	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	28	399.19	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	28	27.69	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	28	19.88	0	.	AD	FS	N	FS		

**Seg ID: 1814 - Upper San Marcos River  
AU ID: 1814\_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	4	28	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	6	28	.	0	.	AD	NC	N	NC		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	28	1.23	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	11	0.15	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Sulfate	12/01/13	11/30/20	50	28	27.69	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	400	28	399.19	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	28	19.88	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		

**2022 Texas Integrated Report - Assessment Results for Basin 18 - Guadalupe River**

**Seg ID: 1814 - Upper San Marcos River  
AU ID: 1814\_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	28	.	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	.	0	.	AD	NC	N	NC		
		Ammonia	12/01/13	11/30/20	0.33	27	.	0	.	AD	NC	N	NC		
	Water Temperature	Water temperature	12/01/13	11/30/20	26.7	28	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	28	93.38	0	.	AD	FS	N	FS		

**Seg ID: 1814 - Upper San Marcos River  
AU ID: 1814\_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	Nitrate	12/01/13	11/30/20	10	28	1.23	0	.	AD	FS	N	FS		
		Fluoride	12/01/13	11/30/20	4	11	0.15	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	28	399.19	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	28	27.69	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	28	19.88	0	.	AD	FS	N	FS		

**Seg ID: 1815 - Cypress Creek  
AU ID: 1815\_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	6	18	.	6	4.87	TR	NS	N	NA		
	Dissolved Oxygen 24hr minimum	Dissolved oxygen 24hr Min	12/01/13	11/30/20	4	18	.	3	3.1	TR	CN	N	NA		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	4	119	.	7	3.07	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	6	119	.	20	4.5	AD	CS	N	CS	Depressed dissolved oxygen in water	
	Fish Community (Regional)	Fish community	12/01/13	11/30/20	.	0	.	.	.	ID	NA	Y	NS	Impaired fish community in water	5c
	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	NS	Impaired macrobenthic community in water	5c
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	127	0.31	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	139	378.92	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	28	23.68	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	28	23.49	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	127	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	127	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	127	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	127	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	28	.	0	.	AD	NC	N	NC		
Ammonia		12/01/13	11/30/20	0.33	127	.	3	0.42	AD	NC	N	NC			
Water Temperature	Water temperature	12/01/13	11/30/20	30	127	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	127	73.08	0	.	AD	FS	N	FS		

**Seg ID: 1815 - Cypress Creek  
AU ID: 1815\_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	127	0.31	0	.	AD	FS	N	FS		

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**Seg ID: 1815 - Cypress Creek  
AU ID: 1815\_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	400	139	378.92	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	28	23.68	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	28	23.49	0	.	AD	FS	N	FS		

**Seg ID: 1816 - Johnson Creek  
AU ID: 1816\_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	6	2	.	0	.	SM	NA	N	NA		
	Dissolved Oxygen 24hr minimum	Dissolved oxygen 24hr Min	12/01/13	11/30/20	4	2	.	0	.	SM	NA	N	NA		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	4	30	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	6	30	.	1	5.9	AD	NC	N	NC		
	Fish Community (Regional)	Fish community	12/01/13	11/30/20	52	2	53	.	.	AD	FS	N	FS		
	Habitat	Habitat	12/01/13	11/30/20	26	2	24	.	.	AD	CS	N	CS	Impaired habitat in water	
	Macrobenthic community (Qualitative)	Macrobenthic community	12/01/13	11/30/20	36	2	36	.	.	AD	FS	N	FS		
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	27	0.35	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	31	306.55	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	27	12.39	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	27	24.78	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	30	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	30	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	28	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	27	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	27	.	0	.	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	30	30	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	28	82.34	0	.	AD	FS	N	FS		

**Seg ID: 1817 - North Fork Guadalupe River  
AU ID: 1817\_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	6	2	.	0	.	SM	NA	N	NA		
	Dissolved Oxygen 24hr minimum	Dissolved oxygen 24hr Min	12/01/13	11/30/20	4	2	.	0	.	SM	NA	N	NA		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	4	30	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	6	30	.	0	.	AD	NC	N	NC		
	Fish Community (Regional)	Fish community	12/01/13	11/30/20	52	2	50	.	.	AD	NS	N	NS	Impaired fish community in water	5c
	Habitat	Habitat	12/01/13	11/30/20	26	2	24	.	.	AD	CS	N	CS	Impaired habitat in water	
	Macrobenthic community (Qualitative)	Macrobenthic community	12/01/13	11/30/20	36	2	34	.	.	AD	NS	N	NS	Impaired macrobenthic community in water	5c
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	27	0.26	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Sulfate	12/01/13	11/30/20	50	27	6.34	0	.	AD	FS	N	FS		
		Total dissolved solids	12/01/13	11/30/20	400	30	250.42	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	27	10.13	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	30	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	30	.	0	.	AD	FS	N	FS		

**2022 Texas Integrated Report - Assessment Results for Basin 18 - Guadalupe River**

Seg ID: 1817 - North Fork Guadalupe River AU ID: 1817_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	28	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	27	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	27	.	1	23.6	AD	NC	N	NC		
	Water Temperature	Water temperature	12/01/13	11/30/20	30	30	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	28	46.02	0	.	AD	FS	N	FS		

Seg ID: 1818 - South Fork Guadalupe River AU ID: 1818_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	6	2	.	0	.	SM	NA	N	NA		
	Dissolved Oxygen 24hr minimum	Dissolved oxygen 24hr Min	12/01/13	11/30/20	4	2	.	0	.	SM	NA	N	NA		
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	12/01/13	11/30/20	4	30	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	12/01/13	11/30/20	6	30	.	2	5.65	AD	NC	N	NC		
	Fish Community (Regional)	Fish community	12/01/13	11/30/20	52	2	51	.	.	AD	NS	N	NS	Impaired fish community in water	5c
	Habitat	Habitat	12/01/13	11/30/20	26	2	25	.	.	AD	CS	N	CS	Impaired habitat in water	
	Macrobenthic community (Qualitative)	Macrobenthic community	12/01/13	11/30/20	36	2	33	.	.	AD	NS	N	NS	Impaired macrobenthic community in water	5c
Domestic Water Supply Use	Surface Water HH criteria for PWS average	Nitrate	12/01/13	11/30/20	10	27	0.17	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	30	282.34	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	27	8.42	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	27	10.67	0	.	AD	FS	N	FS		
	High pH	pH	12/01/13	11/30/20	9	30	.	0	.	AD	FS	N	FS		
	Low pH	pH	12/01/13	11/30/20	6.5	30	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Total phosphorus	12/01/13	11/30/20	0.69	28	.	0	.	AD	NC	N	NC		
		Nitrate	12/01/13	11/30/20	1.95	27	.	0	.	AD	NC	N	NC		
		Chlorophyll-a	12/01/13	11/30/20	14.1	27	.	0	.	AD	NC	N	NC		
Water Temperature	Water temperature	12/01/13	11/30/20	30	30	.	0	.	AD	FS	N	FS			
Recreation Use	Bacteria Geomean	E. coli	12/01/13	11/30/20	126	28	24.98	0	.	AD	FS	N	FS		

Seg ID: 1818 - South Fork Guadalupe River AU ID: 1818_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	Nitrate	12/01/13	11/30/20	10	27	0.17	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	30	282.34	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	27	8.42	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	27	10.67	0	.	AD	FS	N	FS		

Seg ID: 1818 - South Fork Guadalupe River AU ID: 1818_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	Nitrate	12/01/13	11/30/20	10	27	0.17	0	.	AD	FS	N	FS		

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**Seg ID: 1818 - South Fork Guadalupe River**

**AU ID: 1818\_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
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	30	282.34	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	27	8.42	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	27	10.67	0	.	AD	FS	N	FS		

**Seg ID: 1818 - South Fork Guadalupe River**

**AU ID: 1818\_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	Nitrate	12/01/13	11/30/20	10	27	0.17	0	.	AD	FS	N	FS		
General Use	Dissolved Solids	Total dissolved solids	12/01/13	11/30/20	400	30	282.34	0	.	AD	FS	N	FS		
		Sulfate	12/01/13	11/30/20	50	27	8.42	0	.	AD	FS	N	FS		
		Chloride	12/01/13	11/30/20	50	27	10.67	0	.	AD	FS	N	FS		