2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

Report Abbreviations	Description:
SEGID:	Unique Segment identification alpha-numeric code; can be stream, reservoir, estuary, oyster waters, beach watch, etc.
AUID:	Unique Assessment Unit code; this is a portion of the segment the AUID begins with and ends with _01, _02, etc. Some AUIDs are special units ending in "SA," or oyster water AUIDs are indicated by "OW" and beach watch AUIDs are indicated by abbreviations for name of beach in AUID.
ASMT Start Date:	The start date of the period of record data for this method was selected; the official 2012 period of record is from 12/1/2003 to 11/30/2010. Assessors have the option of going back 10 years (12/1/2000) to select more data, according to assessment guidance.
ASMT End Date	The end date of the period of record data for this method was selected; the official 2012 period of record dates are 12/1/2003 to 11/30/2010. Assessors have the option of including more recently collected data than 12/01/2010, if available.
# Assd:	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 low flow.
Mean Assd:	Mean of samples assessed; includes averaged methods like chronic criteria as well as geometric mean calculations for bacteria.
# Exceed:	The number of samples that exceed criteria for single sample, or binomial, methods (not averaged data).
Mean Exceed:	This is the mean of the samples that exceeded criteria for the single sample, or binomial, methods (not averaged data).
Criteria:	Value that the data is compared against to determine level of support; Note: for acute metals in water, each value is compared to a calculated criteria and not all criteria could be reported here, only the minimum in the range of criteria calculated are included.
DS Qual:	*Dataset Qualifier - indicates sample sizes:* **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Data (less than 4) **JQ** = Level of support is based on judgment of the assessor **SM** = This assessment method is superseded by another method **TR** = Temporally Not Representative, used with NA **SR** = Spatially Not Representative, used with NA **OE** = Other information than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, generally information is provided by outside entity
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 indicator check box: 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:	*This is the assessment category assigned to this impairment. Subcategories as follows:* **Category 4**: Standard is not supported or is threatened for one or more designated uses but does not require the development of a TMDL. **4a** - TMDL has been completed and approved by EPA.Category. **4b** - Other pollution control requirements are reasonably expected to result in the attainment of the water quality standard in the near future. **4c** - Nonsupport of the water quality standard is not caused by a pollutant. **Category 5**: The water body does not meet applicable water quality standards or is threatened for one or more designated uses by one or more pollutants. **5a** - A TMDL is underway, scheduled, or will be scheduled. **5b** - A review of the water quality standards for this water body will be conducted before a TMDL is scheduled. **5c** - Additional data and information will be collected before a TMDL is scheduled.

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

SEGID 1801 Guadalupe River Tidal

AUID 1801_01 Entire segment

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	35		8	4.68	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	35		0		4.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	13		3	4.68	5.00	AD	CN	☐	CN	depressed dissolved oxygen	
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	13		2	3.81	4.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	11	41.34	0		126.00	AD	FS	☐	FS		
Bacteria Geomean	Enterococcus	12/1/2003	11/30/2010	8	19.28	0		35.00	LD	NC	☐	NC		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	35		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	35		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	35		0		6.50	AD	FS	☐	FS		
Enterococci (1006, 1007) single sample	Enterococcus	12/1/2003	11/30/2010	8		1	198	89.00	LD	NC	☐	NC		
Enterococci (1006, 1007) geometric mean	Enterococcus	12/1/2003	11/30/2010	8	19.28	0		89.00	LD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	25		0		0.66	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	25		3	35.47	21.00	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	25		20	2.31	1.10	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	27		0		0.46	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	26		0		0.46	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

SEGID 1802 Guadalupe River Below San Antonio River

AUID 1802_01 Entire segment

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	61		4	4.52	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	61		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2000	11/30/2010	11		0		1,215.23	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2000	11/30/2010	11		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2000	11/30/2010	11		0		3,217.79	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2000	11/30/2010	11		0		45.99	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2000	11/30/2010	11		0		97.99	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2000	11/30/2010	11		0		360.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2000	11/30/2010	10		1	2770	991.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2000	11/30/2010	11		0		260.51	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2000	11/30/2010	11		0		249.77	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2000	11/30/2010	8	0.48	0		6.56	LD	NC	☐	NC		
Chronic Toxic Substances in water	Zinc	12/1/2000	11/30/2010	8	3.71	0		197.54	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2000	11/30/2010	8	0.70	0		5.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Nickel	12/1/2000	11/30/2010	8	4.10	0		296.83	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chromium	12/1/2000	11/30/2010	8	2.38	0		329.38	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2000	11/30/2010	8	2.35	0		190.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Copper	12/1/2000	11/30/2010	8	1.65	0		23.34	LD	NC	☐	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2000	11/30/2010	8	0.12	0		1.86	LD	NC	☐	NC		

AUID 1802_01 Entire segment

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	62	102.58	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	61		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	61		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	61		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	79	461.79	0		700.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	80	61.56	0		150.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	80	54.77	0		100.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	79		39	2.95	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	80		9	20.52	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	40		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	79		2	0.71	0.69	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2000	11/30/2010	7	0.13	0		5.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2000	11/30/2010	7	2.19	0		62.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2000	11/30/2010	7	0.42	0		1.15	LD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	79	461.79	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	80	61.56	0		300.00	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1802_01** Entire segment

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	80	54.77	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	41	1.61	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	4	2.61	0		10.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	4	0.59	0		50.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	4	0.16	0		5.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	4	0.43	0		1.15	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

SEGID 1803 Guadalupe River Below San Marcos River

AUID 1803_01 Lower 25 miles of segment

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	12		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	12		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	3		0		1,177.40	ID	NA	☐	NA		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	3		0		20.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	3		0		3,114.37	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	3		0		44.35	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	3		0		252.13	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	3		0		93.82	ID	NA	☐	NA		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	3		0		360.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	2		0		991.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	3		0		237.79	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	3	0.05	0		6.32	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	3	2.17	0		192.79	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	3	0.43	0		5.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	3	2.66	0		289.71	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	3	2.74	0		22.78	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	3	1.95	0		321.73	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	3	1.86	0		190.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	3	0.05	0		1.82	ID	NA	☐	NA		

AUID 1803_01 Lower 25 miles of segment

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	12	100.00	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	12		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	12		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	12		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	127	30.85	0		100.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	126	345.75	0		500.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	127	28.86	0		100.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	12		3	8.47	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	12		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	12		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	12		2	48.7	14.10	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	6	0.05	0		5.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	6	1.73	0		62.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	6	0.05	0		1.15	LD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	12	36.41	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	12	422.93	0		1,000.00	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1803_01** Lower 25 miles of segment

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	12	45.13	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	6	0.37	0		50.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	126	0.99	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	6	0.05	0		1.15	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	6	1.42	0		10.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	6	0.05	0		5.00	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1803_02 From confluence with Coleto Creek 25 miles upstream

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	126	345.75	0		500.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	127	28.86	0		100.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	127	30.85	0		100.00	AD	FS	☐	FS		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	6	0.05	0		5.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	6	1.73	0		62.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	6	0.05	0		1.15	LD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	126	0.99	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	6	0.05	0		1.15	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	6	0.05	0		5.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	6	1.42	0		10.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	6	0.37	0		50.00	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1803_03** From confluence with Sandies Creek 25 miles upstream

USE **Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	88		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	88		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	3		0		20.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	3		0		236.90	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	3		0		2,926.61	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	3		0		216.55	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	3		0		1,108.61	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	3		0		86.35	ID	NA	☐	NA		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	3		0		360.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	2		0		991.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	3		0		41.38	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	3	0.53	0		22.78	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	3	0.33	0		192.79	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	3	0.31	0		5.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	3	0.98	0		190.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	3	0.05	0		6.32	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	3	1.52	0		321.73	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	3	0.05	0		1.82	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	3	1.81	0		289.71	ID	NA	☐	NA		

AUID 1803_03 — From confluence with Sandies Creek 25 miles upstream

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	88	60.22	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	88		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	88		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	88		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	126	345.75	0		500.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	127	30.85	0		100.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	127	28.86	0		100.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	88		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	49		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	88		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	89		2	33.7	14.10	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	6	0.05	0		5.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	6	1.73	0		62.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	6	0.05	0		1.15	LD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	88	336.89	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	89	26.42	0		300.00	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1803_03** From confluence with Sandies Creek 25 miles upstream

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	89	30.44	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	6	0.05	0		5.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	6	0.37	0		50.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	6	0.05	0		1.15	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	6	1.42	0		10.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	126	0.99	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1803_04 — From 25 miles upstream of confluence. with Coleto Ck. to confluence. with Sandies Ck.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	26		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	26		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	26	141.49	1		126.00	JQ	NS	☐	CN	bacteria	

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	26		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	26		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	26		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	126	345.75	0		500.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	127	28.86	0		100.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	127	30.85	0		100.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	26		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	26		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	26		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	26		0		0.33	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	6	0.05	0		5.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	6	1.73	0		62.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	6	0.05	0		1.15	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1803_04** From 25 miles upstream of confluence. with Coleto Ck. to confluence. with Sandies Ck.

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	26	340.13	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	26	29.70	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	26	29.67	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	6	0.37	0		50.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	6	1.42	0		10.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	6	0.05	0		5.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	6	0.05	0		1.15	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	126	0.99	0		10.00	AD	FS	☐	FS		

AUID 1803_05 From 25 miles upstream of confluence. with Sandies Ck. to upper end of segment

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	127	30.85	0		100.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	126	345.75	0		500.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	127	28.86	0		100.00	AD	FS	☐	FS		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	6	0.05	0		5.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	6	1.73	0		62.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	6	0.05	0		1.15	LD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	6	1.42	0		10.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	6	0.05	0		5.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	6	0.05	0		1.15	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	126	0.99	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	6	0.37	0		50.00	LD	NC	☐	NC		

SEGID 1803A Elm Creek (unclassified water body)

AUID 1803A_01 Entire water body

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	7		4	3.09	5.00	LD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	7		1	0.51	3.00	LD	NC	☐	NS	depressed dissolved oxygen	5b
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	7		5	2.62	5.00	LD	NS	☐	NS	depressed dissolved oxygen	5b
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	7		3	1.01	3.00	LD	NS	☐	NS	depressed dissolved oxygen	5b

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2000	11/30/2010	28	123.91	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	8		0		1.95	LD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	8		1	0.39	0.37	LD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	7		0		0.33	LD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	8		1	0.7	0.69	LD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	8		3	20.53	14.10	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

SEGID 1803B Sandies Creek (unclassified water body)

AUID 1803B_01 From the confluence with the Guadalupe River to the confluence with Elm Ck.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	77		12	3.52	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	77		3	1.78	3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2000	11/30/2010	31		14	3.66	5.00	AD	NS	☐	NS	depressed dissolved oxygen	5b
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2000	11/30/2010	31		6	2	3.00	AD	NS	☐	NS	depressed dissolved oxygen	5b
Habitat	Habitat	12/1/2003	11/30/2010	3	18.00	3		20.00	AD	CS	☐	CS	impaired habitat	
Macrobenthic Community	Macrobenthic Community	12/1/2003	11/30/2010	6	28.00	4		29.00	AD	NS	☐	NS	impaired macrobenthic community	5b
Fish Community	Fish Community	12/1/2003	11/30/2010	6	37.00	5		41.00	AD	NS	☐	NS	impaired fish community	5b

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	79	227.83	1		126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	90		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	10		1	0.48	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	46		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	88		13	0.99	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	90		19	36.23	14.10	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1803B_02** From the confluence with Elm Creek to upper end of water body

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	6		4	3.06	5.00	LD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	6		2	2.5	3.00	LD	CN	☐	NS	depressed dissolved oxygen	5b
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	11		7	3.87	5.00	AD	NS	☐	NS	depressed dissolved oxygen	5b
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	11		3	2.48	3.00	AD	NS	☐	NS	depressed dissolved oxygen	5b

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2000	11/30/2010	28	134.38	1		126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	11		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	11		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	10		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	8		0		0.33	LD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	7		0		0.69	LD	NC	☐	NC		

SEGID 1803C Peach Creek (unclassified water body)

AUID 1803C_01 Lower 25 miles of water body

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	107		21	2.98	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	107		11	1.68	3.00	AD	FS	☑	NS	depressed dissolved oxygen	5b
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	7		0		777.37	LD	NC	☐	NC		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	7		0		20.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	7		0		2,028.29	LD	NC	☐	NC		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	7		0		27.51	LD	NC	☐	NC		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	6		0		164.09	LD	NC	☐	NC		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	7		0		52.96	LD	NC	☐	NC		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	7		0		360.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	6		1	4080	991.00	LD	NC	☐	PI	aluminum in water	
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	7		0		124.72	LD	NC	☐	NC		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	7	0.57	0		4.33	LD	NC	☐	NC		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	6	7.71	0		149.84	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	7	0.52	0		5.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	7	2.66	0		225.26	LD	NC	☐	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	7	1.41	0		17.67	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	7	1.38	0		252.17	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	7	3.64	0		190.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	7	0.24	0		1.44	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1803C_01 Lower 25 miles of water body

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Habitat	Habitat	12/1/2003	11/30/2010	4	20.50	0		20.00	AD	NC	☐	NC		
Macrobenthic Community	Macrobenthic Community	12/1/2003	11/30/2010	4	27.60	2	21	29.00	TR	NA	☐	NA		
Fish Community	Fish Community	12/1/2003	11/30/2010	4	35.92	3	34.7	42.00	TR	NA	☐	NA		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	122		35	2733.63	394.00	SM	NS	☐	NA	bacteria	5b
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	104	221.13	1		126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	84		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	85		1	77.9	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	86		3	1	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	47		2	1.39	0.33	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	7	1.38	0		502.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	7	0.57	0		3.83	LD	NC	☐	NC		

AUID 1803C_02 Remainder of water body

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	7	1.38	0		502.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	7	0.57	0		3.83	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1803C_03** From approx. 1.2 mi. downstream of FM 1680 in Gonzales Co. to confluence with Elm Cr. In Fayette Co.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	36		19	2.37	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	36		13	1.84	3.00	AD	NS	☐	NS	depressed dissolved oxygen	5b
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	3		3	1.17	5.00	ID	NS	☐	NS	depressed dissolved oxygen	5c
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	3		3	0.61	3.00	ID	NS	☐	NS	depressed dissolved oxygen	5c

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	35	479.36	1		126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	1		0		0.37	ID	NA	☐	NA		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	16		5	38.5	14.10	AD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	17		2	0.45	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	16		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	16		2	0.79	0.69	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	7	1.38	0		502.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	7	0.57	0		3.83	LD	NC	☐	NC		

SEGID 1803D Salty Creek (unclassified water body)

AUID 1803D_01 Entire segment.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	2		0		3.00	ID	NA	☐	NA		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	2		1	1.2	2.00	ID	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	1		0		1.95	ID	NA	☐	NA		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	1		0		0.37	ID	NA	☐	NA		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	1		0		0.33	ID	NA	☐	NA		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	1		0		0.69	ID	NA	☐	NA		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	1		1	29.2	14.10	ID	NA	☐	NA		

SEGID 1803E Little Elm Creek (unclassified water body)

AUID 1803E_01 Entire segment.

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	1		0		1.95	ID	NA	☐	NA		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	1		1	19.9	14.10	ID	NA	☐	NA		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	1		0		0.33	ID	NA	☐	NA		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	1		0		0.37	ID	NA	☐	NA		

SEGID 1803F Denton Creek (unclassified water body)

AUID 1803F_01 Entire segment.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	0				5.00	TR	NA	☐	NA		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	10	652.99			126.00	TR	NS	☐	NA		5b

SEGID 1803G Sandy Fork (unclassified water body)

AUID 1803G_01 From the confluence with Sandy Creek up to the confluence with Scruggs Creek.

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	10	1091.31			126.00	TR	NS	☐	NA		

SEGID 1804 Guadalupe River Below Comal River

AUID 1804_01 From a point immediately upstream of the confluence with San Marcos River in Gonzales County, up the confluence with Clemens Creek in Gonzales county, Texas.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	78		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	78		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	77	34.79	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	79		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	78		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	78		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	505	327.94	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	374	17.60	0		100.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	374	24.45	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	79		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	78		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	40		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	79		1	0.7	0.69	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	15	0.21	0		5.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1804_01 From a point immediately upstream of the confluence with San Marcos River in Gonzales County, up the confluence with Clemens Creek in Gonzales county, Texas.

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	14	2.00	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	15	0.26	0		1.15	AD	FS	☐	FS		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	10		0		0.60	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	10		0		525.00	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	10		0		4.38	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	10		0		0.13	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	10		0		35.00	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	10		0		0.04	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	10		0		0.06	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	10		0		0.53	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	10		0		0.83	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	10		0		0.20	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	10		0		250.00	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	10		0		5.25	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	10		0		0.23	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	10		2	0.4	0.04	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	10		0		0.14	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	10		0		0.61	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	10		0		0.25	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1804_01** From a point immediately upstream of the confluence with San Marcos River in Gonzales County, up the confluence with Clemens Creek in Gonzales county, Texas.

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	78	325.48	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	79	19.56	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	79	27.19	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	15	1.95	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	15	0.16	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	479	1.00	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	15	0.26	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	15	0.21	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	56	0.16	0		4.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1804_02 From the confluence with Mill Creek up to McQueeney Dam.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	58		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	58		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	15		0		94.66	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	15		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	14		0		3,135.35	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	14		0		253.83	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	15		0		240.20	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	15		0		360.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	14		0		991.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	14		0		1,185.08	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	14		0		44.68	AD	FS	☐	FS		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	15	0.16	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	14	2.14	0		198.33	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	14	4.29	0		298.02	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	15	0.26	0		6.60	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	14	1.42	0		23.44	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	14	2.00	0		330.65	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	15	0.20	0		1.87	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	15	3.45	0		190.00	AD	FS	☐	FS		
Toxic Substances in sediment	Iron	12/1/2003	11/30/2010	8		0		40,000.00	LD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	8		0		4.98	LD	NC	☐	NC		

AUID 1804_02 From the confluence with Mill Creek up to McQueeney Dam.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Chromium	12/1/2003	11/30/2010	8		0		111.00	LD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	8		0		149.00	LD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	8		0		128.00	LD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2003	11/30/2010	8		0		1,100.00	LD	NC	☐	NC		
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	8		0		1.06	LD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	8		0		48.60	LD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	8		0		2.20	LD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	8		0		459.00	LD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2003	11/30/2010	8		0		33.00	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	Fecal coliform	12/1/2003	11/30/2010	2	60.00	0		200.00	ID	NA	☐	NA		
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	54	59.68	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	58		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	57		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	57		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	505	327.94	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	374	17.60	0		100.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	374	24.45	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	54		0		0.69	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1804_02** From the confluence with Mill Creek up to McQueeney Dam.

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	55		4	18.05	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	54		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	55		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	55		2	2.06	1.95	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	14	2.00	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	15	0.26	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	15	0.21	0		5.00	AD	FS	☐	FS		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	10		0		0.61	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	10		0		0.13	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	10		0		4.38	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	10		0		0.83	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	10		0		35.00	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	10		0		0.04	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	10		0		0.53	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	10		0		0.60	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	10		0		0.20	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	10		0		0.06	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	10		0		250.00	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	10		0		5.25	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1804_02 — From the confluence with Mill Creek up to McQueeney Dam.

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	10		0		0.23	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	10		2	0.4	0.04	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	10		0		0.14	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	10		0		0.25	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	10		0		525.00	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	59	305.29	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	56	17.80	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	56	24.63	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	56	0.16	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	15	0.16	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	15	0.26	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	15	0.21	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	15	1.95	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	479	1.00	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1804_03 — From McQueeney Dam up to TP-1 on Lake Dunlap (NHD RC 12100202000118)

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	135		1	4.9	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	135		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	14		0		5.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	14		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	126	20.27	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	137		1	33	32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	137		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	137		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	374	24.45	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	505	327.94	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	374	17.60	0		100.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	133		9	20.66	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	132		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	99		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	132		0		1.95	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	15	0.21	0		5.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1804_03 From McQueeney Dam up to TP-1 on Lake Dunlap (NHD RC 12100202000118)

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	14	2.00	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	15	0.26	0		1.15	AD	FS	☐	FS		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	10		0		0.61	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	10		0		0.83	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	10		0		525.00	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	10		0		4.38	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	10		0		0.13	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	10		0		35.00	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	10		0		0.04	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	10		0		0.60	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	10		0		0.25	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	10		0		0.20	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	10		0		0.06	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	10		0		250.00	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	10		0		5.25	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	10		0		0.23	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	10		2	0.4	0.04	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	10		0		0.14	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	10		0		0.53	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1804_03** From McQueeney Dam up to TP-1 on Lake Dunlap (NHD RC 12100202000118)

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	143	349.46	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	133	16.83	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	133	23.46	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	479	1.00	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	15	0.26	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	15	0.16	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	15	0.21	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	15	1.95	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	56	0.16	0		4.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1804_04 — From TP-1 dam on Lake Dunlap (NHD RC 12100202000118) up to immediately upstream of Comal River confluence.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	226		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	226		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	103	53.44	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	231		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	231		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	231		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	374	17.60	0		100.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	374	24.45	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	505	327.94	0		400.00	AD	FS	☐	FS		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	14	2.00	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	15	0.26	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	15	0.21	0		5.00	AD	FS	☐	FS		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	10		0		0.04	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	10		0		0.61	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	10		0		0.83	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	10		0		525.00	AD	NC	☐	NC		

AUID 1804_04 — From TP-1 dam on Lake Dunlap (NHD RC 12100202000118) up to immediately upstream of Comal River confluence.

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	10		0		4.38	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	10		0		35.00	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	10		0		0.53	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	10		0		0.60	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	10		0		0.20	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	10		0		0.06	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	10		0		0.14	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	10		0		250.00	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	10		0		0.13	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	10		0		5.25	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	10		0		0.23	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	10		2	0.4	0.04	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	10		0		0.25	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	815	297.25	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	106	16.99	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	106	23.55	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	15	0.26	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	479	1.00	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	15	0.21	0		5.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1804_04** From TP-1 dam on Lake Dunlap (NHD RC 12100202000118) up to immediately upstream of Comal River confluence.

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	15	1.95	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	15	0.16	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	56	0.16	0		4.00	AD	FS	☐	FS		

AUID 1804_05 From confluence with Clemens Creek up to the confluence with Mill Creek.

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	505	327.94	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	374	17.60	0		100.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	374	24.45	0		50.00	AD	FS	☐	FS		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	14	2.00	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	15	0.26	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	15	0.21	0		5.00	AD	FS	☐	FS		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	10		0		0.61	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	10		0		525.00	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	10		0		4.38	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	10		0		0.13	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	10		0		0.53	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	10		0		0.04	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	10		0		0.60	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	10		0		0.83	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	10		2	0.4	0.04	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	10		0		35.00	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	10		0		0.14	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	10		0		0.23	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	10		0		5.25	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1804_05** From confluence with Clemens Creek up to the confluence with Mill Creek.

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	10		0		250.00	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	10		0		0.06	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	10		0		0.25	AD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	10		0		0.20	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	15	0.21	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	56	0.16	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	15	0.26	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	479	1.00	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	15	0.16	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	15	1.95	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

SEGID 1804A Geronimo Creek (unclassified water body)

AUID 1804A_01 Entire water body

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	150		1		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	152		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	2		0		5.00	ID	NA	☐	NA		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	2		0		3.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	1		0		50.90	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	1		0		285.39	ID	NA	☐	NA		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	1		0		20.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	1		0		286.44	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	1		0		1,327.22	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	1		0		110.64	ID	NA	☐	NA		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	1		0		360.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	1		0		991.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	1		0		3,524.54	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	1	0.05	0		1.44	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	1	2.42	0		5.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	1	0.60	0		149.84	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	1	2.38	0		225.26	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	1	0.50	0		252.17	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	1	2.39	0		190.00	ID	NA	☐	NA		

AUID 1804A_01 Entire water body

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	1	0.79	0		17.67	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	1	0.05	0		4.33	ID	NA	☐	NA		
Toxic Substances in sediment	Benzene	12/1/2003	11/30/2010	1		0		45,010.00	ID	NA	☐	NA		
Toxic Substances in sediment	Xylene	12/1/2003	11/30/2010	1		0		12,010.00	ID	NA	☐	NA		
Toxic Substances in sediment	Ethylbenzene	12/1/2003	11/30/2010	1		0		17,180.00	ID	NA	☐	NA		
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	3		0		459.00	ID	NA	☐	NA		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	3		0		2.20	ID	NA	☐	NA		
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	3		0		48.60	ID	NA	☐	NA		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	3		0		128.00	ID	NA	☐	NA		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	3		0		149.00	ID	NA	☐	NA		
Toxic Substances in sediment	Chromium	12/1/2003	11/30/2010	3		0		111.00	ID	NA	☐	NA		
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	3		0		4.98	ID	NA	☐	NA		
Toxic Substances in sediment	Arsenic	12/1/2003	11/30/2010	3		0		33.00	ID	NA	☐	NA		
Toxic Substances in sediment	Toluene	12/1/2003	11/30/2010	1		0		17,290.00	ID	NA	☐	NA		
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	3		0		1.06	ID	NA	☐	NA		
Habitat	Habitat	12/1/2003	11/30/2010	1	24.00			20.00	LD	NC	☐	NC		
Macrobenthic Community	Macrobenthic Community	12/1/2003	11/30/2010	1	41.00			29.00	LD	NC	☐	NC		
Fish Community	Fish Community	12/1/2003	11/30/2010	1	46.00			41.00	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	150	198.60	1		126.00	AD	NS	☐	NS	bacteria	5c

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1804A_01 Entire water body

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	151		134	9.85	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	120		1	0.48	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	152		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	152		4	17.3	14.10	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	1	0.50	0		502.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	1	0.05	0		3.83	ID	NA	☐	NA		

SEGID 1805 Canyon Lake

AUID 1805_01 Cove around Jacob's Creek Park

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	108		0		6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	108		0		4.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	102	4.00	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	109		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	109		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	109		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	208	254.16	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	185	15.17	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	185	21.32	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	102		8	0.52	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	104		0		26.70	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	64		12	0.13	0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	103		0		0.20	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1805_01 Cove around Jacob's Creek Park

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	15	0.26	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	15	2.00	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	15	0.13	0		1.15	AD	FS	☐	FS		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	124	261.06	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	104	21.31	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	104	14.88	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	15	0.13	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	15	2.75	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	15	0.26	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	81	0.15	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	15	0.13	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	189	0.14	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1805_02 — North end of Crane's Mill Park peninsula to south end of Canyon Park

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	30		1	5.94	6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	30		0		4.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	3		0		6.00	ID	NA	☐	NA		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	3		0		4.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	5		0		172.32	LD	NC	☐	NC		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	5		0		203.49	LD	NC	☐	NC		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	5		0		20.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	5		0		991.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	5		0		2,514.42	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	5		0		957.10	LD	NC	☐	NC		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	5		0		360.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	5		0		70.53	LD	NC	☐	NC		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	4		0		34.94	LD	NC	☐	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	4	0.89	0		18.45	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	5	0.13	0		5.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	5	0.09	0		4.62	LD	NC	☐	NC		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	5	2.00	0		156.46	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	5	2.00	0		262.92	LD	NC	☐	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	5	0.18	0		1.50	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	5	4.50	0		190.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	5	2.50	0		235.18	LD	NC	☐	NC		

AUID 1805_02 — North end of Crane's Mill Park peninsula to south end of Canyon Park

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	6		0		1.06	LD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	7		0		459.00	LD	NC	☐	NC		
Toxic Substances in sediment	Iron	12/1/2003	11/30/2010	7		0		40,000.00	LD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	7		0		2.20	LD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	7		0		48.60	LD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2003	11/30/2010	7		0		1,100.00	LD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	7		0		128.00	LD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	7		0		149.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2003	11/30/2010	7		0		111.00	LD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2003	11/30/2010	7		0		33.00	LD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	7		0		4.98	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	21	1.93	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	30		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	30		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	30		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	208	254.16	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	185	15.17	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	185	21.32	0		50.00	AD	FS	☐	FS		

AUID 1805_02 — North end of Crane's Mill Park peninsula to south end of Canyon Park

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	29		0		0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	28		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	29		0		0.05	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	28		3	0.42	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	28		0		26.70	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	15	0.26	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	15	2.00	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	15	0.13	0		1.15	AD	FS	☐	FS		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	27	15.41	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	27	21.22	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	162	251.81	0		1,000.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	15	0.26	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	81	0.15	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	15	0.13	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	189	0.14	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	15	0.13	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	15	2.75	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1805_03 Upper end of segment

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	31		3	5.67	6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	31		0		4.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	3		0		6.00	ID	NA	☐	NA		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	3		0		4.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	5		0		360.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	5		0		20.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	5		0		186.58	LD	NC	☐	NC		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	5		0		2,650.82	LD	NC	☐	NC		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	5		0		214.55	LD	NC	☐	NC		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	5		0		75.68	LD	NC	☐	NC		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	5		0		991.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	5		0		1,007.32	LD	NC	☐	NC		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	4		0		37.06	LD	NC	☐	NC		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	5	0.17	0		4.62	LD	NC	☐	NC		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	5	2.00	0		156.46	LD	NC	☐	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	5	2.50	0		235.18	LD	NC	☐	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	4	1.73	0		18.45	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	5	2.00	0		262.92	LD	NC	☐	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	5	0.28	0		1.50	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	5	8.25	0		190.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	5	0.13	0		5.00	LD	NC	☐	NC		

AUID 1805_03 Upper end of segment

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Nitrobenzene	12/1/2003	11/30/2010	1		0		161.06	ID	NA	☐	NA		
Toxic Substances in sediment	Pyrene	12/1/2003	11/30/2010	1		0		1,520.00	ID	NA	☐	NA		
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	9		0		1.06	LD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2003	11/30/2010	9		0		1,100.00	LD	NC	☐	NC		
Toxic Substances in sediment	Naphthalene	12/1/2003	11/30/2010	1		0		561.00	ID	NA	☐	NA		
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	9		0		48.60	LD	NC	☐	NC		
Toxic Substances in sediment	Phenanthrene	12/1/2003	11/30/2010	1		0		1,170.00	ID	NA	☐	NA		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	9		0		2.20	LD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	9		0		459.00	LD	NC	☐	NC		
Toxic Substances in sediment	1,3-Dichlorobenzene	12/1/2003	11/30/2010	1		0		350.00	ID	NA	☐	NA		
Toxic Substances in sediment	Iron	12/1/2003	11/30/2010	9		0		40,000.00	LD	NC	☐	NC		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2003	11/30/2010	1		0		1,050.00	ID	NA	☐	NA		
Toxic Substances in sediment	1,2,4-Trichlorobenzene	12/1/2003	11/30/2010	1		0		5,310.00	ID	NA	☐	NA		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	9		0		128.00	LD	NC	☐	NC		
Toxic Substances in sediment	Di-n-butyl phthalate	12/1/2003	11/30/2010	1		0		43.00	ID	NA	☐	NA		
Toxic Substances in sediment	Anthracene	12/1/2003	11/30/2010	1		0		845.00	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachloroethane	12/1/2003	11/30/2010	1		0		13,770.00	ID	NA	☐	NA		
Toxic Substances in sediment	Acenaphthene	12/1/2003	11/30/2010	1		0		89.00	ID	NA	☐	NA		
Toxic Substances in sediment	Acenaphthylene	12/1/2003	11/30/2010	1		0		130.00	ID	NA	☐	NA		
Toxic Substances in sediment	Arsenic	12/1/2003	11/30/2010	9		0		33.00	LD	NC	☐	NC		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2003	11/30/2010	1		0		1,450.00	ID	NA	☐	NA		

AUID 1805_03 Upper end of segment

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	9		0		4.98	LD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2003	11/30/2010	9		0		111.00	LD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	9		0		149.00	LD	NC	☐	NC		
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2003	11/30/2010	1		0		140.00	ID	NA	☐	NA		
Toxic Substances in sediment	Fluoranthene	12/1/2003	11/30/2010	1		0		2,230.00	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	1		0		550.00	ID	NA	☐	NA		
Toxic Substances in sediment	Fluorene	12/1/2003	11/30/2010	1		0		536.00	ID	NA	☐	NA		
Toxic Substances in sediment	1,4-Dichlorobenzene	12/1/2003	11/30/2010	1		0		4,650.00	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	1		0		240.00	ID	NA	☐	NA		
Toxic Substances in sediment	Chrysene	12/1/2003	11/30/2010	1		0		1,290.00	ID	NA	☐	NA		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	22	2.36	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	31		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	31		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	31		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	208	254.16	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	185	15.17	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	185	21.32	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	28		0		0.20	AD	NC	☐	NC		

AUID 1805_03 Upper end of segment

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	29		5	0.72	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	29		0		26.70	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	30		1	0.24	0.05	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	30		1	0.18	0.11	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	15	0.26	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	15	2.00	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	15	0.13	0		1.15	AD	FS	☐	FS		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	143	270.44	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	27	15.89	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	27	21.70	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	15	0.26	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	15	0.13	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	189	0.14	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	81	0.15	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	15	2.75	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	15	0.13	0		1.15	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1805_04 Lower end of reservoir from dam upstream to Canyon Park

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	27		0		6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	27		0		4.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	1		0		6.00	ID	NA	☐	NA		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	1		0		4.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	5		0		164.24	LD	NC	☐	NC		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	5		0		197.09	LD	NC	☐	NC		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	5		0		20.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	4		0		33.72	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	5		0		927.98	LD	NC	☐	NC		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	5		0		67.59	LD	NC	☐	NC		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	5		0		360.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	5		0		991.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	5		0		2,435.43	LD	NC	☐	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	4	1.31	0		18.45	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	5	0.13	0		5.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	5	0.14	0		4.62	LD	NC	☐	NC		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	5	2.00	0		156.46	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	5	2.00	0		262.92	LD	NC	☐	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	5	0.23	0		1.50	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	5	7.00	0		190.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	5	2.50	0		235.18	LD	NC	☐	NC		

AUID 1805_04 Lower end of reservoir from dam upstream to Canyon Park

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	6		0		1.06	LD	NC	☐	NC		
Toxic Substances in sediment	Iron	12/1/2003	11/30/2010	7		0		40,000.00	LD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	7		0		459.00	LD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	7		0		2.20	LD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	7		0		48.60	LD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2003	11/30/2010	7		0		1,100.00	LD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	7		0		128.00	LD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	7		0		149.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2003	11/30/2010	7		0		111.00	LD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2003	11/30/2010	7		0		33.00	LD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	7		0		4.98	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	24	2.35	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	27		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	26		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	26		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	208	254.16	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	185	15.17	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	185	21.32	0		50.00	AD	FS	☐	FS		

AUID 1805_04 Lower end of reservoir from dam upstream to Canyon Park

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	26		1	0.4	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	27		0		0.05	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	27		1	0.18	0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	25		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	27		0		26.70	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	15	2.00	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	15	0.13	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	15	0.26	0		5.00	AD	FS	☐	FS		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	27	15.33	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	27	21.04	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	193	249.75	0		1,000.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	15	2.75	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	15	0.26	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	81	0.15	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	15	0.13	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	189	0.14	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	15	0.13	0		50.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

SEGID 1806 Guadalupe River Above Canyon Lake

AUID 1806_01 Lower 25 miles of segment.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	58		0		6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	58		0		4.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	58	71.80	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	58		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	58		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	58		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	758	294.24	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	291	19.58	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	292	19.72	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	80		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	78		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	40		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	80		0		0.69	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	13	0.05	0		1.15	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1806_01 Lower 25 miles of segment.

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	13	0.05	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	13	1.33	0		62.00	AD	FS	☐	FS		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2		0		0.61	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	2		0		0.13	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	2		0		0.83	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	2		0		4.38	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	2		0		35.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	2		0		0.53	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	2		0		0.60	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	2		0		0.20	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	2		0		0.06	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	2		0		250.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	2		0		5.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	2		0		0.14	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	2		0		0.23	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	2		0		525.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	2		0		0.25	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1806_01** Lower 25 miles of segment.

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	80	336.61	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	80	19.07	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	80	23.25	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	13	0.05	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	241	0.50	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	13	0.05	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	13	0.63	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	28	0.21	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	6	0.21	0		50.00	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1806_02 From the confluence with Big Joshua Creek to Flat Rock Dam in Kerrville.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	124		2	5.94	6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	124		0		4.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	3		0		73.26	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	3		0		209.39	ID	NA	☐	NA		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	3		0		20.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	3		0		2,587.19	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	3		0		179.88	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	3		0		983.90	ID	NA	☐	NA		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	3		0		360.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	2		0		991.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	3		0		36.07	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	3	1.44	0		287.33	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	3	0.65	0		190.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	3	0.18	0		5.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	3	0.46	0		191.20	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	3	0.44	0		22.59	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	3	0.05	0		1.80	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	3	1.29	0		319.17	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	3	0.05	0		6.24	ID	NA	☐	NA		
Habitat	Habitat	12/1/2003	11/30/2010	4	24.00	3	24	26.00	AD	CS	☐	CS	impaired habitat	

AUID 1806_02 From the confluence with Big Joshua Creek to Flat Rock Dam in Kerrville.

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	Enterococcus	12/1/2003	11/30/2010	1	46.00	1		35.00	ID	NA	☐	NA		
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	214	49.86	0		126.00	AD	FS	☐	FS		
Bacteria Geomean	Fecal coliform	12/1/2003	11/30/2010	2	64.37	0		200.00	ID	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	124		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	124		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	124		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	758	294.24	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	291	19.58	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	292	19.72	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	106		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	97		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	102		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	26		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	27		0		0.33	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2001	11/30/2010	13	0.05	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2010	13	1.33	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2010	13	0.05	0		1.15	AD	FS	☐	FS		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	2		0		0.60	ID	NA	☐	NA		

AUID 1806_02 From the confluence with Big Joshua Creek to Flat Rock Dam in Kerrville.

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	2		0		525.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	2		0		4.38	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	2		0		0.83	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	2		0		0.13	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	2		0		35.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	2		0		0.53	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	2		0		0.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	2		0		0.20	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	2		0		0.06	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	2		0		250.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	2		0		0.23	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	2		0		0.14	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2		0		0.61	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	2		0		5.25	ID	NA	☐	NA		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	124	312.54	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	106	21.62	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	105	21.86	0		300.00	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1806_02** From the confluence with Big Joshua Creek to Flat Rock Dam in Kerrville.

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Arsenic	12/1/2001	11/30/2010	13	0.63	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2001	11/30/2010	13	0.05	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	28	0.21	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2001	11/30/2010	13	0.05	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	241	0.50	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	6	0.21	0		50.00	LD	NC	☐	NC		

AUID 1806_03 — From Flat Rock Dam in Kerrville to 1 mile upstream.

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	758	294.24	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	292	19.72	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	291	19.58	0		50.00	AD	FS	☐	FS		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	13	0.05	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	13	1.33	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	13	0.05	0		1.15	AD	FS	☐	FS		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	2		0		0.53	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	2		0		0.83	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	2		0		525.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	2		0		4.38	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	2		0		0.13	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	2		0		0.60	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2		0		0.61	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	2		0		0.20	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	2		0		0.14	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	2		0		0.06	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	2		0		250.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	2		0		5.25	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1806_03** From Flat Rock Dam in Kerrville to 1 mile upstream.

USE **Fish Consumption Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	2		0		0.23	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	2		0		0.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	2		0		35.00	ID	NA	☐	NA		

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	13	0.63	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	6	0.21	0		50.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	241	0.50	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	13	0.05	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	13	0.05	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	28	0.21	0		4.00	AD	FS	☐	FS		

AUID 1806_04 From 1 mile upstream Flat Rock Dam to confluence with Camp Meeting Creek.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	102		1	5.7	6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	102		0		4.00	AD	FS	☐	FS		
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	2		0		1.06	ID	NA	☐	NA		
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	2		0		459.00	ID	NA	☐	NA		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	2		0		2.20	ID	NA	☐	NA		
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	2		0		48.60	ID	NA	☐	NA		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	2		0		149.00	ID	NA	☐	NA		
Toxic Substances in sediment	Chromium	12/1/2003	11/30/2010	2		0		111.00	ID	NA	☐	NA		
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	2		0		4.98	ID	NA	☐	NA		
Toxic Substances in sediment	Arsenic	12/1/2003	11/30/2010	2		0		33.00	ID	NA	☐	NA		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	2		0		128.00	ID	NA	☐	NA		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	154	87.25	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	102		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	101		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	101		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	758	294.24	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	291	19.58	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	292	19.72	0		50.00	AD	FS	☐	FS		

AUID 1806_04 From 1 mile upstream Flat Rock Dam to confluence with Camp Meeting Creek.

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	23		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	26		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	25		0		14.10	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	13	0.05	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	13	1.33	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	13	0.05	0		1.15	AD	FS	☐	FS		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	2		0		0.60	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	2		0		0.14	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	2		0		0.83	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	2		0		525.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	2		0		4.38	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	2		0		0.13	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	2		0		35.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	2		0		0.53	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	2		0		0.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	2		0		0.20	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	2		0		0.06	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	2		0		250.00	ID	NA	☐	NA		

AUID 1806_04 — From 1 mile upstream Flat Rock Dam to confluence with Camp Meeting Creek.

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	2		0		5.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	2		0		0.23	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2		0		0.61	ID	NA	☐	NA		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	26	14.04	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	102	290.01	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	26	18.69	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	6	0.21	0		50.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	241	0.50	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	13	0.05	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	28	0.21	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	13	0.63	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	13	0.05	0		5.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1806_05 — From confluence with Camp Meeting Creek to 2 miles upstream.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	87		0	0	6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	87		0		4.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	3		0		983.90	ID	NA	☐	NA		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	3		0		20.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	3		0		2,587.19	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	3		0		209.39	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	3		0		73.26	ID	NA	☐	NA		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	3		0		360.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	2		0		991.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	3		0		179.88	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	3		0		36.07	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	3	0.25	0		5.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	3	0.33	0		191.20	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	3	1.33	0		287.33	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	3	0.05	0		6.24	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	3	0.45	0		22.59	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	3	1.35	0		319.17	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	3	0.05	0		1.80	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	3	0.64	0		190.00	ID	NA	☐	NA		

AUID 1806_05 — From confluence with Camp Meeting Creek to 2 miles upstream.

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	86	47.70	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	87		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	86		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	86		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	758	294.24	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	291	19.58	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	292	19.72	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	23		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	26		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	25		0		14.10	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2010	3	0.05	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2001	11/30/2010	3	0.05	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2010	3	1.35	0		62.00	AD	FS	☐	FS		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Arsenic	12/1/2001	11/30/2010	3	0.64	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2001	11/30/2010	3	0.05	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2001	11/30/2010	3	0.05	0		1.15	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1806_05** From confluence with Camp Meeting Creek to 2 miles upstream.

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	23	0.42	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	3	0.25	0		50.00	LD	NC	☐	NC		

AUID 1806_06 From RR 394 1 mile downstream.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	201		14		6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	201		0		4.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	363	134.40	0		126.00	AD	NS	☐	NS	bacteria	4a

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	201		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	198		1		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	198		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	758	294.24	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	291	19.58	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	292	19.72	0		50.00	AD	FS	☐	FS		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	2		0		0.60	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	2		0		0.83	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	2		0		525.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	2		0		4.38	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	2		0		35.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	2		0		0.53	ID	NA	☐	NA		

AUID 1806_06 From RR 394 1 mile downstream.

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	2		0		0.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	2		0		0.20	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	2		0		0.13	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	2		0		0.06	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	2		0		250.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	2		0		5.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	2		0		0.23	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2		0		0.61	ID	NA	☐	NA		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	140	276.87	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	1	18.00	0		300.00	ID	NA	☐	NA		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	1	19.00	0		300.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	13	0.05	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	241	0.50	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	13	0.05	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	13	0.63	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	6	0.21	0		50.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	28	0.21	0		4.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1806_07** Upper 10 miles of segment.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	147		24		6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	147		1		4.00	AD	FS	☐	FS		
Habitat	Habitat	12/1/2003	11/30/2010	3	20.75	3		26.00	AD	CS	☐	CS	impaired habitat	

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	360	14.16	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	147		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	144		1		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	144		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	758	294.24	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	291	19.58	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	292	19.72	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	25		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	23		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	26		0		0.69	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	13	0.05	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	13	1.33	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	13	0.05	0		5.00	AD	FS	☐	FS		

AUID 1806_07 Upper 10 miles of segment.

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	2		0		0.60	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	2		0		0.83	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	2		0		525.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	2		0		4.38	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	2		0		0.13	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	2		0		35.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	2		0		0.53	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2		0		0.61	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	2		0		0.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	2		0		0.20	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	2		0		0.06	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	2		0		250.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	2		0		5.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	2		0		0.23	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	2		0		0.14	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	2		0		0.04	ID	NA	☐	NA		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	59	281.66	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	26	15.49	0		300.00	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1806_07** Upper 10 miles of segment.

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	26	10.44	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	13	0.05	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	241	0.50	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	13	0.05	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	13	0.63	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	28	0.21	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	6	0.21	0		50.00	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1806_08** From 25 miles upstream of lower end to confluence with Big Joshua Creek.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	27		0		6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	27		0		4.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	27	150.17	1		126.00	AD	NS	☐	NS	bacteria	5c

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	27		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	27		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	27		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	758	294.24	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	291	19.58	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	292	19.72	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	27		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	27		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	27		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	27		0		0.69	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2001	11/30/2010	13	0.05	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2010	13	1.33	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2010	13	0.05	0		1.15	AD	FS	☐	FS		

AUID 1806_08 From 25 miles upstream of lower end to confluence with Big Joshua Creek.

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	2		0		0.60	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	2		0		0.20	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	2		0		0.83	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	2		0		525.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	2		0		4.38	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	2		0		0.13	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	2		0		35.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	2		0		0.53	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	2		0		0.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	2		0		0.14	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	2		0		0.06	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	2		0		250.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	2		0		5.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	2		0		0.23	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2		0		0.61	ID	NA	☐	NA		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	27	341.01	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	27	19.01	0		300.00	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1806_08** From 25 miles upstream of lower end to confluence with Big Joshua Creek.

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	27	22.56	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Arsenic	12/1/2001	11/30/2010	13	0.63	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	6	0.21	0		50.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	241	0.50	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2001	11/30/2010	13	0.05	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2001	11/30/2010	13	0.05	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	28	0.21	0		4.00	AD	FS	☐	FS		

SEGID 1806A Camp Meeting Creek (unclassified water body)

AUID 1806A_02 From the confluence with segment 1806 of the Guadalupe River upstream to the dam of an unnamed impoundment approximately 0.65 km upstream of Tree Lane in the City of Kerrville (3.6 Miles).

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	105		9		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	105		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	4		0		4.00	LD	NC	☐	NC		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	4		0		2.00	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	103	77.74	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	28		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	29		1	0.71	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	4		0		0.37	LD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	26		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	4		0		0.33	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1806A_03 Upper 3 miles

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	11		2		2.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	11		0		1.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	0		0		2.00	LD	NC	☐	NC		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	12		0		1.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	3	17.31	0		126.00	ID	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	4		0		1.95	LD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	4		0		0.37	LD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	4		0		0.33	LD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	4		0		0.69	LD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	4		0		14.10	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

SEGID 1806D Quinlan Creek (unclassified water body)

AUID 1806D_01 Entire water body

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	74		8	1.39	3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	74		6	1.07	2.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	32		16	3549.81	394.00	SM	NS	☐	NA	bacteria	5a
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	74	334.70	1		126.00	AD	NS	☐	NS	bacteria	5a

SEGID 1806E Town Creek (unclassified water body)

AUID 1806E_01 From the confluence with segment 1806 of the Guadalupe River in Kerrville, Kerr County Texas up to the upper end of the segment (NHD RC 12100201000572)

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	64		16	3.36	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	64		5	2.28	3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	18		10	1882.5	394.00	SM	NS	☐	NA	bacteria	5a
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	63	306.68	1		126.00	AD	NS	☐	NS	bacteria	5a

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	1		0		1.95	ID	NA	☐	NA		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	1		0		0.37	ID	NA	☐	NA		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	1		0		0.33	ID	NA	☐	NA		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	1		0		0.69	ID	NA	☐	NA		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	1		0		14.10	ID	NA	☐	NA		

SEGID 1806H Big Joshua Creek (unclassified water body)

AUID 1806H_01 Entire segment.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	1		0		5.00	ID	NA	☐	NA		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	1		0		3.00	ID	NA	☐	NA		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	1		0		5.00	ID	NA	☐	NA		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	1		0		3.00	ID	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	1		0		1.95	ID	NA	☐	NA		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	1		0		0.37	ID	NA	☐	NA		

SEGID 1807 Coleto Creek

AUID 1807_01 From confluence with Guadalupe River to Coleto Ck. Reservoir Dam

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	104		1	2.37	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	104		1	2.37	3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	102	8.36	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	105		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	105		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	105		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	159	22.28	0		100.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	159	348.16	0		500.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	157	73.33	0		250.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	104		4	21.93	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	105		1	1.15	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	66		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	103		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	25		0		0.37	AD	NC	☐	NC		

AUID 1807_01 From confluence with Guadalupe River to Coleto Ck. Reservoir Dam

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	2		0		0.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	2		0		525.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	2		0		4.38	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	2		0		0.13	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	2		0		35.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	2		0		0.53	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	2		0		0.83	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	2		0		0.20	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	2		0		0.06	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	2		0		250.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	2		0		5.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	2		0		0.23	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	2		0		0.14	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	2		0		0.60	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2		0		0.61	ID	NA	☐	NA		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	118	319.56	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	106	70.14	0		300.00	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1807_01** From confluence with Guadalupe River to Coleto Ck. Reservoir Dam

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	106	20.89	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	67	0.18	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	154	0.07	0		10.00	AD	FS	☐	FS		

AUID 1807_02 Remainder of segment

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	50		1	4.7	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	50		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	46	6.27	0		126.00	AD	FS	☐	FS		
Bacteria Geomean	Enterococcus	12/1/2003	11/30/2010	1	1.00	0		35.00	ID	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	51		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	51		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	51		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	159	348.16	0		500.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	157	73.33	0		250.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	159	22.28	0		100.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	53		9	17.41	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	52		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	48		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	41		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	52		0		1.95	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	2		0		0.04	ID	NA	☐	NA		

AUID 1807_02 Remainder of segment

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	2		0		0.83	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	2		0		525.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	2		0		4.38	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	2		0		35.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	2		0		0.53	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	2		0		0.60	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2		0		0.61	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	2		0		0.20	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	2		0		0.06	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	2		0		0.14	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	2		0		250.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	2		0		5.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	2		0		0.23	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	2		0		0.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	2		0		0.13	ID	NA	☐	NA		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	53	25.06	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	96	351.31	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	51	79.96	0		300.00	AD	NC	☐	NC		

AUID 1807_02 Remainder of segment

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	67	0.18	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	154	0.07	0		10.00	AD	FS	☐	FS		

SEGID 1807A Perdido Creek (unclassified water body)

AUID 1807A_01 Entire segment.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	10		0		3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	10		0		2.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	10	16.40	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	12		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	12		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	12		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	10		0		0.33	AD	NC	☐	NC		

SEGID 1808 Lower San Marcos River

AUID 1808_01 Lower 18 miles from confluence with Guadalupe R to confluence Mile Creek

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	28		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	28		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	28	92.05	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	28		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	28		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	28		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	136	357.36	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	135	27.04	0		60.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	135	31.46	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	28		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	28		1	0.83	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	28		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	28		0		14.10	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	2	0.05	0		5.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1808_01 Lower 18 miles from confluence with Guadalupe R to confluence Mile Creek

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	2	0.50	0		62.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	2	0.05	0		1.15	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	1		0		0.60	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	1		0		525.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	1		0		4.38	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	1		0		0.13	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	1		0		35.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	1		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	1		0		0.06	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	1		0		0.53	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	1		0		0.83	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	1		0		0.20	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	1		0		250.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	1		0		5.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	1		0		0.23	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	1		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	1		0		0.14	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	1		0		0.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	1		0		0.61	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1808_01** Lower 18 miles from confluence with Guadalupe R to confluence Mile Creek

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	28	378.25	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	28	40.37	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	28	37.79	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	102	1.07	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	2	0.32	0		50.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	2	0.05	0		1.15	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	2	0.05	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	28	0.15	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	2	0.60	0		10.00	ID	NA	☐	NA		

AUID 1808_02 From confluence with Mile Creek to confluence with Plum Creek

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Chloride	12/1/2003	11/30/2010	135	27.04	0		60.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	135	31.46	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	136	357.36	0		400.00	AD	FS	☐	FS		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	2	0.05	0		1.15	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	2	0.05	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	2	0.50	0		62.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	1		0		0.53	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	1		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	1		0		35.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	1		0		0.83	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	1		0		0.13	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	1		0		525.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	1		0		0.60	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	1		0		0.23	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	1		0		4.38	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	1		0		0.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	1		0		0.20	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	1		0		0.06	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	1		0		5.25	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1808_02 From confluence with Mile Creek to confluence with Plum Creek

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	1		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	1		0		0.14	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	1		0		0.61	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	1		0		250.00	ID	NA	☐	NA		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	2	0.05	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	2	0.32	0		50.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	102	1.07	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	28	0.15	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	2	0.60	0		10.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	2	0.05	0		1.15	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1808_03 From confluence with Plum Creek to Guadalupe CR 239/247

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	78		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	78		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	3		0		210.72	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	2		0		232.65	ID	NA	☐	NA		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	3		0		20.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	3		0		2,874.07	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	3		0		1,089.34	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	3		0		84.29	ID	NA	☐	NA		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	3		0		360.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	2		0		991.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	3		0		40.55	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	2	0.52	0		207.76	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	3	0.56	0		190.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	3	0.05	0		1.95	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	3	1.52	0		345.84	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	3	0.40	0		24.56	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	3	0.05	0		7.07	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	3	1.64	0		312.16	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	3	0.33	0		5.00	ID	NA	☐	NA		
Toxic Substances in sediment	Xylene	12/1/2003	11/30/2010	1		0		12,010.00	ID	NA	☐	NA		
Toxic Substances in sediment	Toluene	12/1/2003	11/30/2010	1		0		17,290.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1808_03** From confluence with Plum Creek to Guadalupe CR 239/247

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Benzene	12/1/2003	11/30/2010	1		0		45,010.00	ID	NA	☐	NA		
Toxic Substances in sediment	Ethylbenzene	12/1/2003	11/30/2010	1		0		17,180.00	ID	NA	☐	NA		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	75	80.04	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	78		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	78		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	78		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	136	357.36	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	135	27.04	0		60.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	135	31.46	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	79		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	40		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	78		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	79		0		14.10	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	2	0.05	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	2	0.50	0		62.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	2	0.05	0		1.15	ID	NA	☐	NA		

AUID 1808_03 From confluence with Plum Creek to Guadalupe CR 239/247

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	1		0		0.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	1		0		0.83	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	1		0		525.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	1		0		4.38	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	1		0		0.13	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	1		0		35.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	1		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	1		0		0.53	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	1		0		0.61	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	1		0		0.20	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	1		0		0.06	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	1		0		250.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	1		0		5.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	1		0		0.23	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	1		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	1		0		0.14	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	1		0		0.60	ID	NA	☐	NA		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	80	355.82	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	79	24.88	0		300.00	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1808_03** From confluence with Plum Creek to Guadalupe CR 239/247

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	79	31.14	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	2	0.05	0		1.15	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	102	1.07	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	2	0.32	0		50.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	2	0.05	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	2	0.60	0		10.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	28	0.15	0		4.00	AD	FS	☐	FS		

AUID 1808_04 — From Guadalupe CR 239/247 to upper end of segment

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	27		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	27		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	25	88.72	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	27		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	27		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	27		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	136	357.36	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	135	27.04	0		60.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	135	31.46	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	28		4	2.07	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	24		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	28		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	27		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	27		0		0.33	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	2	0.05	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	2	0.50	0		62.00	ID	NA	☐	NA		

AUID 1808_04 From Guadalupe CR 239/247 to upper end of segment

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	2	0.05	0		1.15	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	1		0		0.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	1		0		525.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	1		0		4.38	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	1		0		0.13	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	1		0		35.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	1		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	1		0		0.53	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	1		0		0.83	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	1		0		0.20	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	1		0		0.06	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	1		0		250.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	1		0		5.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	1		0		0.23	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	1		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	1		0		0.14	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	1		0		0.61	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	1		0		0.60	ID	NA	☐	NA		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	28	340.89	0		1,000.00	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1808_04** From Guadalupe CR 239/247 to upper end of segment

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	28	19.79	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	28	26.04	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	2	0.05	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	2	0.32	0		50.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	102	1.07	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	28	0.15	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	2	0.60	0		10.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	2	0.05	0		1.15	ID	NA	☐	NA		

SEGID 1809 Lower Blanco River

AUID 1809_01 Lower 7 miles of segment

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	25		1	4.5	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	25		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	23	32.63	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	25		0		33.30	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	25		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	25		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	30	31.13	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	30	283.07	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	29	20.59	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	23		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	25		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	25		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	23		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	24		0		0.33	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1809_01** Lower 7 miles of segment

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	25	288.41	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	24	21.29	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	25	31.20	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	30	0.14	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	30	0.33	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1809_02 Upper 8 miles of segment

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	5		0		5.00	LD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	5		0		3.00	LD	NC	☐	NC		
Toxic Substances in sediment	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	1		0		550.00	ID	NA	☐	NA		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2003	11/30/2010	1		0		1,050.00	ID	NA	☐	NA		
Toxic Substances in sediment	Di-n-butyl phthalate	12/1/2003	11/30/2010	1		0		43.00	ID	NA	☐	NA		
Toxic Substances in sediment	1,3-Dichlorobenzene	12/1/2003	11/30/2010	1		0		350.00	ID	NA	☐	NA		
Toxic Substances in sediment	Pyrene	12/1/2003	11/30/2010	1		0		1,520.00	ID	NA	☐	NA		
Toxic Substances in sediment	Phenanthrene	12/1/2003	11/30/2010	1		0		1,170.00	ID	NA	☐	NA		
Toxic Substances in sediment	Naphthalene	12/1/2003	11/30/2010	1		0		561.00	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachloroethane	12/1/2003	11/30/2010	1		0		13,770.00	ID	NA	☐	NA		
Toxic Substances in sediment	1,2,4-Trichlorobenzene	12/1/2003	11/30/2010	1		0		5,310.00	ID	NA	☐	NA		
Toxic Substances in sediment	Nitrobenzene	12/1/2003	11/30/2010	1		0		161.06	ID	NA	☐	NA		
Toxic Substances in sediment	1,4-Dichlorobenzene	12/1/2003	11/30/2010	1		0		4,650.00	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	1		0		240.00	ID	NA	☐	NA		
Toxic Substances in sediment	Acenaphthylene	12/1/2003	11/30/2010	1		0		130.00	ID	NA	☐	NA		
Toxic Substances in sediment	Anthracene	12/1/2003	11/30/2010	1		0		845.00	ID	NA	☐	NA		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2003	11/30/2010	1		0		1,450.00	ID	NA	☐	NA		
Toxic Substances in sediment	Chrysene	12/1/2003	11/30/2010	1		0		1,290.00	ID	NA	☐	NA		
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2003	11/30/2010	1		0		140.00	ID	NA	☐	NA		
Toxic Substances in sediment	Fluoranthene	12/1/2003	11/30/2010	1		0		2,230.00	ID	NA	☐	NA		
Toxic Substances in sediment	Fluorene	12/1/2003	11/30/2010	1		0		536.00	ID	NA	☐	NA		

AUID 1809_02 Upper 8 miles of segment

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Acenaphthene	12/1/2003	11/30/2010	1		0		89.00	ID	NA	☐	NA		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	4	23.00	0		126.00	LD	NC	☐	NC		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	5		0		33.30	LD	NC	☐	NC		
High pH	pH	12/1/2003	11/30/2010	5		0		9.00	LD	NC	☐	NC		
Low pH	pH	12/1/2003	11/30/2010	5		0		6.50	LD	NC	☐	NC		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	29	20.59	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	30	31.13	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	30	283.07	0		400.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	5		0		1.95	LD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	3		0		0.37	ID	NA	☐	NA		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	5		0		0.33	LD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	5		0		0.69	LD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	3		0		14.10	ID	NA	☐	NA		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	5	30.80	0		300.00	LD	NC	☐	NC		
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	5	256.40	0		1,000.00	LD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	5	17.20	0		300.00	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1809_02** Upper 8 miles of segment

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	30	0.14	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	30	0.33	0		10.00	AD	FS	☐	FS		

SEGID 1810 Plum Creek

AUID 1810_01 Confluence with San Marcos River to approx. 2.5 mi. upstream of the confluence with Clear Fork Plum Creek

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	79		12	4.21	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	79		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	1		0		5.00	ID	NA	☐	NA		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	1		0		3.00	ID	NA	☐	NA		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	77	194.47	1		126.00	AD	NS	☐	NS	bacteria	4b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	80		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	79		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	79		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	209	665.55	0		1,120.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	190	116.12	0		350.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	192	81.14	0		150.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	78		28	3.11	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	49		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	79		19	1.26	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	78		1	15	14.10	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1810_02 — From approx. 2.5 mi. upstream of confluence with Clear Fork Plum Ck to approx. 0.5 mi upstream of SH21

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	41		1	4.4	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	41		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	1		0		5.00	ID	NA	☐	NA		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	1		0		3.00	ID	NA	☐	NA		
Habitat	Habitat	12/1/2003	11/30/2010	4	17.75	4		20.00	AD	CS	☐	CS	impaired habitat	

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	35	150.34	1		126.00	AD	NS	☐	NS	bacteria	4b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	41		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	41		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	41		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	209	665.55	0		1,120.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	190	116.12	0		350.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	192	81.14	0		150.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	38		36	7.7	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	21		18	0.99	0.37	AD	CS	☐	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	33		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	38		22	1.39	0.69	AD	CS	☐	CS	total phosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	37		0		14.10	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1810_03 — From approx. 0.5 mi. upstream of SH 21 to upper end of segment

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	82		7	3.38	5.00	AD	NC	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	82		2	2.5	3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	1		0		5.00	ID	NA	☐	NA		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	1		0		3.00	ID	NA	☐	NA		
Habitat	Habitat	12/1/2003	11/30/2010	3	22.00	0		20.00	AD	NC	☐	NC		
Macrobenthic Community	Macrobenthic Community	12/1/2003	11/30/2010	1	29.00	1	20	29.00	LD	NC	☐	NC		
Fish Community	Fish Community	12/1/2003	11/30/2010	1	42.00			41.00	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	77	295.39	1		126.00	AD	NS	☐	NS	bacteria	4b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	82		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	82		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	82		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	209	665.55	0		1,120.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	190	116.12	0		350.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	192	81.14	0		150.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	77		60	11.06	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	79		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	50		10	4.65	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	79		55	2.75	0.69	AD	CS	☐	CS	total phosphorus	

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

SEGID 1811 Comal River

AUID 1811_01 From the confluence with segment 1804 of the Guadalupe River up to just upstream of the confluence with Dry Comal Creek in New Braunfels, Comal County, Texas.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	96		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	96		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	82	105.43	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	99		1	28.8	26.70	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	99		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	99		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	99	363.32	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	80	17.48	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	80	25.82	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	17		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	97		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	96		11	2.02	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	96		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	57		0		0.33	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1811_01** From the confluence with segment 1804 of the Guadalupe River up to just upstream of the confluence with Dry Comal Creek in New Braunfels, Comal County, Texas.

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	99	363.32	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	80	17.48	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	80	25.82	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	91	1.64	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1811_02 — From the confluence with Dry Comal Creek up to Klingemann Street in New Braunfels, Comal County, Texas.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Nitrobenzene	12/1/2003	11/30/2010	1		0		161.06	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachloroethane	12/1/2003	11/30/2010	1		0		13,770.00	ID	NA	☐	NA		
Toxic Substances in sediment	Naphthalene	12/1/2003	11/30/2010	1		0		561.00	ID	NA	☐	NA		
Toxic Substances in sediment	Phenanthrene	12/1/2003	11/30/2010	1		0		1,170.00	ID	NA	☐	NA		
Toxic Substances in sediment	Pyrene	12/1/2003	11/30/2010	1		0		1,520.00	ID	NA	☐	NA		
Toxic Substances in sediment	1,3-Dichlorobenzene	12/1/2003	11/30/2010	1		0		350.00	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	1		0		550.00	ID	NA	☐	NA		
Toxic Substances in sediment	Di-n-butyl phthalate	12/1/2003	11/30/2010	1		0		43.00	ID	NA	☐	NA		
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2003	11/30/2010	1		1	403	140.00	ID	NA	☐	NA		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2003	11/30/2010	1		0		1,050.00	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	1		0		240.00	ID	NA	☐	NA		
Toxic Substances in sediment	Fluoranthene	12/1/2003	11/30/2010	1		0		2,230.00	ID	NA	☐	NA		
Toxic Substances in sediment	1,2,4-Trichlorobenzene	12/1/2003	11/30/2010	1		0		5,310.00	ID	NA	☐	NA		
Toxic Substances in sediment	Chrysene	12/1/2003	11/30/2010	1		0		1,290.00	ID	NA	☐	NA		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2003	11/30/2010	1		0		1,450.00	ID	NA	☐	NA		
Toxic Substances in sediment	Anthracene	12/1/2003	11/30/2010	1		0		845.00	ID	NA	☐	NA		
Toxic Substances in sediment	Acenaphthylene	12/1/2003	11/30/2010	1		0		130.00	ID	NA	☐	NA		
Toxic Substances in sediment	Acenaphthene	12/1/2003	11/30/2010	1		0		89.00	ID	NA	☐	NA		
Toxic Substances in sediment	1,4-Dichlorobenzene	12/1/2003	11/30/2010	1		0		4,650.00	ID	NA	☐	NA		
Toxic Substances in sediment	Fluorene	12/1/2003	11/30/2010	1		0		536.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1811_02** From the confluence with Dry Comal Creek up to Klingemann Street in New Braunfels, Comal County, Texas.

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	80	25.82	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	80	17.48	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	99	363.32	0		400.00	AD	FS	☐	FS		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	91	1.64	0		10.00	AD	FS	☐	FS		

SEGID 1811A Dry Comal Creek (unclassified water body)

AUID 1811A_01 Lower 25 miles of water body

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	83		0		3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	83		0		2.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	3		0		20.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	2		0		316.35	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	3		0		3,906.29	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	3		0		334.38	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	3		0		1,466.15	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	3		0		126.90	ID	NA	☐	NA		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	3		0		360.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	2		0		991.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	3		0		57.08	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	3	1.90	0		252.17	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	2	1.47	0		149.84	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	3	0.33	0		5.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	3	2.64	0		225.26	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	3	1.67	0		190.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	3	0.76	0		17.67	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	3	0.05	0		1.44	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	3	0.07	0		4.33	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1811A_01 Lower 25 miles of water body

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Xylene	12/1/2003	11/30/2010	1		0		12,010.00	ID	NA	☐	NA		
Toxic Substances in sediment	Benzene	12/1/2003	11/30/2010	1		0		45,010.00	ID	NA	☐	NA		
Toxic Substances in sediment	Ethylbenzene	12/1/2003	11/30/2010	1		0		17,180.00	ID	NA	☐	NA		
Toxic Substances in sediment	Toluene	12/1/2003	11/30/2010	1		0		17,290.00	ID	NA	☐	NA		
Habitat	Habitat	12/1/2003	11/30/2010	4	19.50	0		9.00	TR	NC	☐	NC		
Macrobenthic Community	Macrobenthic Community	12/1/2003	11/30/2010	4	27.70	0		12.00	TR	NC	☐	NC		
Fish Community	Fish Community	12/1/2003	11/30/2010	4	45.50	0		11.00	TR	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	85	291.03	1		126.00	AD	NS	☐	NS	bacteria	5c

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	79		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	40		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	80		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	79		9	43.51	14.10	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	3	1.90	0		502.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	3	0.07	0		3.83	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1811A_02** Remainder of water body

USE **Fish Consumption Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	3	1.90	0		502.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	3	0.07	0		3.83	ID	NA	☐	NA		

SEGID 1812 Guadalupe River Below Canyon Dam

AUID 1812_01 From a point immediately upstream of the confluence of the Comal River in Comal County to immediately upstream of the confluence with Elm Creek, Comal County, Texas.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	83		4	5.68	6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	83		0		4.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	40	45.34	0		126.00	AD	FS	☐	FS		
Bacteria Geomean	Fecal coliform	12/1/2003	11/30/2010	1	40.00	0		200.00	ID	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	85		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	85		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	85		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	194	265.36	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	152	14.50	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	153	21.10	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	77		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	79		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	75		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	77		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	75		0		0.69	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1812_01** From a point immediately upstream of the confluence of the Comal River in Comal County to immediately upstream of the confluence with Elm Creek, Comal County, Texas.

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	45	21.47	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	44	15.18	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	87	254.26	0		1,000.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	73	0.14	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	185	0.31	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1812_02 — From immediately upstream of Elm Creek up to the confluence with Bear Creek, Comal County, Texas.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	94		0		6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	94		0		4.00	AD	FS	☐	FS		
Toxic Substances in sediment	Di-n-butyl phthalate	12/1/2003	11/30/2010	1		0		43.00	ID	NA	☐	NA		
Toxic Substances in sediment	Naphthalene	12/1/2003	11/30/2010	1		0		561.00	ID	NA	☐	NA		
Toxic Substances in sediment	Phenanthrene	12/1/2003	11/30/2010	1		0		1,170.00	ID	NA	☐	NA		
Toxic Substances in sediment	Pyrene	12/1/2003	11/30/2010	1		0		1,520.00	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachloroethane	12/1/2003	11/30/2010	1		0		13,770.00	ID	NA	☐	NA		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2003	11/30/2010	1		0		1,050.00	ID	NA	☐	NA		
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2003	11/30/2010	1		0		140.00	ID	NA	☐	NA		
Toxic Substances in sediment	Nitrobenzene	12/1/2003	11/30/2010	1		0		161.06	ID	NA	☐	NA		
Toxic Substances in sediment	1,2,4-Trichlorobenzene	12/1/2003	11/30/2010	1		0		5,310.00	ID	NA	☐	NA		
Toxic Substances in sediment	1,3-Dichlorobenzene	12/1/2003	11/30/2010	1		0		350.00	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	1		0		550.00	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	1		0		240.00	ID	NA	☐	NA		
Toxic Substances in sediment	Fluoranthene	12/1/2003	11/30/2010	1		0		2,230.00	ID	NA	☐	NA		
Toxic Substances in sediment	Chrysene	12/1/2003	11/30/2010	1		0		1,290.00	ID	NA	☐	NA		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2003	11/30/2010	1		0		1,450.00	ID	NA	☐	NA		
Toxic Substances in sediment	Anthracene	12/1/2003	11/30/2010	1		0		845.00	ID	NA	☐	NA		
Toxic Substances in sediment	Acenaphthylene	12/1/2003	11/30/2010	1		0		130.00	ID	NA	☐	NA		
Toxic Substances in sediment	Acenaphthene	12/1/2003	11/30/2010	1		0		89.00	ID	NA	☐	NA		
Toxic Substances in sediment	1,4-Dichlorobenzene	12/1/2003	11/30/2010	1		0		4,650.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1812_02 — From immediately upstream of Elm Creek up to the confluence with Bear Creek, Comal County, Texas.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Fluorene	12/1/2003	11/30/2010	1		0		536.00	ID	NA	☐	NA		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	79	62.69	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	95		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	95		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	95		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	194	265.36	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	152	14.50	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	153	21.10	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	78		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	40		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	78		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	79		0		14.10	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	80	20.76	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	78	283.61	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	80	14.00	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	73	0.14	0		4.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1812_02** From immediately upstream of Elm Creek up to the confluence with Bear Creek, Comal County, Texas.

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	185	0.31	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1812_03 — From immediately upstream of the confluence with Bear Creek in Comal County, Texas up to Canyon Dam.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	27		0		6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	27		0		4.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	23	55.54	0		126.00	AD	FS	☐	FS		
Bacteria Geomean	Fecal coliform	12/1/2003	11/30/2010	1	5.00	0		200.00	ID	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	27		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	27		1	9.4	9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	27		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	194	265.36	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	152	14.50	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	153	21.10	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	27		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	27		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	27		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	28		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	28		0		14.10	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	29	249.57	0		1,000.00	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1812_03** From immediately upstream of the confluence with Bear Creek in Comal County, Texas up to Canyon Dam.

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	28	14.86	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	28	21.46	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	73	0.14	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	185	0.31	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

SEGID 1813 Upper Blanco River

AUID 1813_01 From a point 0.3 KM (0.2 miles) upstream of Limekiln Road in Hays County up to the confluence with Spoke Pile Creek.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	69		4	4.73	6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	69		0		4.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	58	42.19	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	70		0		33.30	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	69		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	69		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	81	31.43	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	253	307.36	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	81	12.42	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	57		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	54		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	58		0		0.69	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	56	300.56	0		1,000.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	239	0.26	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1813_02 — From the confluence with Spoke Pile Creek up to the confluence with Cypress Creek, in Wimberley, Hays County, Texas.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	51		6	5.25	6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	51		0		4.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	53	75.48	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	51		0		33.30	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	50		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	50		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	81	31.43	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	81	12.42	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	253	307.36	0		400.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	56		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	53		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	57		0		0.69	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	55	312.12	0		1,000.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	239	0.26	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1813_03 — From the confluence with Rogers Branch up to the confluence with Hinds Branch in Blanco, County, Texas.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	79		2	4.95	6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	79		0		4.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	5		0		6.00	LD	NC	☐	NC		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	5		0		4.00	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	81	25.42	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	80		0		33.30	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	80		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	80		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	253	307.36	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	81	12.42	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	81	31.43	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	79		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	40		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	80		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	80		0		14.10	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	85	309.12	0		1,000.00	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1813_03** From the confluence with Rogers Branch up to the confluence with Hinds Branch in Blanco, County, Texas.

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	80	12.38	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	80	31.07	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	239	0.26	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1813_04 — From the confluence with Hinds Branch in Blanco County, Texas up to the confluence with Meier Creek in Kendall County, Texas.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	1		1	5.8	6.00	ID	NA	☐	NA		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	1		0		4.00	ID	NA	☐	NA		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	1		1	5.2	6.00	ID	NA	☐	NA		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	1		0		4.00	ID	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	1		0		33.30	ID	NA	☐	NA		
High pH	pH	12/1/2003	11/30/2010	1		0		9.00	ID	NA	☐	NA		
Low pH	pH	12/1/2003	11/30/2010	1		0		6.50	ID	NA	☐	NA		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	253	307.36	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	81	12.42	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	81	31.43	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	1		0		0.69	ID	NA	☐	NA		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	1		0		1.95	ID	NA	☐	NA		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	1		0		0.37	ID	NA	☐	NA		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	1		0		0.33	ID	NA	☐	NA		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	1	60.00	0		300.00	ID	NA	☐	NA		
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	1	292.00	0		1,000.00	ID	NA	☐	NA		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	1	15.00	0		300.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	239	0.26	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1813_05 — From the confluence with Cypress Creek in Wimberley, Hays County, Texas up to the confluence with Rogers Branch in Blanco County, Texas.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	56		7	5.04	6.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	56		0		4.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	58	108.02	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	56		0		33.30	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	55		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	55		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	253	307.36	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	81	12.42	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	81	31.43	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	57		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	58		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	54		0		0.33	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	56	307.09	0		1,000.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	239	0.26	0		10.00	AD	FS	☐	FS		

SEGID 1814 Upper San Marcos River

AUID 1814_01 Lower 1.5 miles of segment

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	26	402.64			400.00	AD	NS	☐	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2003	11/30/2010	26	19.02	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	26	27.01	0		50.00	AD	FS	☐	FS		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	26	1.08	0		10.00	AD	FS	☐	FS		

AUID 1814_02 From sub-segment 01 to IH 35 east frontage road

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	26	402.64			400.00	AD	NS	☐	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2003	11/30/2010	26	19.02	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	26	27.01	0		50.00	AD	FS	☐	FS		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	26	1.08	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1814_03 From IH 35 east frontage road to Spring Lake Dam

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	26		0		6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	26		0		4.00	AD	FS	☐	FS		
Toxic Substances in sediment	Naphthalene	12/1/2003	11/30/2010	1		0		561.00	ID	NA	☐	NA		
Toxic Substances in sediment	Toluene	12/1/2003	11/30/2010	2		0		17,290.00	ID	NA	☐	NA		
Toxic Substances in sediment	Nitrobenzene	12/1/2003	11/30/2010	1		0		161.06	ID	NA	☐	NA		
Toxic Substances in sediment	Ethylbenzene	12/1/2003	11/30/2010	2		0		17,180.00	ID	NA	☐	NA		
Toxic Substances in sediment	Benzene	12/1/2003	11/30/2010	2		0		45,010.00	ID	NA	☐	NA		
Toxic Substances in sediment	Di-n-butyl phthalate	12/1/2003	11/30/2010	1		0		43.00	ID	NA	☐	NA		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2003	11/30/2010	1		0		1,450.00	ID	NA	☐	NA		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2003	11/30/2010	1		0		1,050.00	ID	NA	☐	NA		
Toxic Substances in sediment	1,3-Dichlorobenzene	12/1/2003	11/30/2010	1		0		350.00	ID	NA	☐	NA		
Toxic Substances in sediment	Pyrene	12/1/2003	11/30/2010	1		0		1,520.00	ID	NA	☐	NA		
Toxic Substances in sediment	Phenanthrene	12/1/2003	11/30/2010	1		0		1,170.00	ID	NA	☐	NA		
Toxic Substances in sediment	1,2,4-Trichlorobenzene	12/1/2003	11/30/2010	1		0		5,310.00	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachloroethane	12/1/2003	11/30/2010	1		0		13,770.00	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	1		0		550.00	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	1		0		240.00	ID	NA	☐	NA		
Toxic Substances in sediment	Fluorene	12/1/2003	11/30/2010	1		0		536.00	ID	NA	☐	NA		
Toxic Substances in sediment	Fluoranthene	12/1/2003	11/30/2010	1		0		2,230.00	ID	NA	☐	NA		
Toxic Substances in sediment	Chrysene	12/1/2003	11/30/2010	1		0		1,290.00	ID	NA	☐	NA		
Toxic Substances in sediment	Xylene	12/1/2003	11/30/2010	2		0		12,010.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1814_03 From IH 35 east frontage road to Spring Lake Dam

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Anthracene	12/1/2003	11/30/2010	1		0		845.00	ID	NA	☐	NA		
Toxic Substances in sediment	Acenaphthylene	12/1/2003	11/30/2010	1		0		130.00	ID	NA	☐	NA		
Toxic Substances in sediment	Acenaphthene	12/1/2003	11/30/2010	1		0		89.00	ID	NA	☐	NA		
Toxic Substances in sediment	1,4-Dichlorobenzene	12/1/2003	11/30/2010	1		0		4,650.00	ID	NA	☐	NA		
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2003	11/30/2010	1		1	882	140.00	ID	NA	☐	NA		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	26	46.71	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	26		0		26.70	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	26		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	26		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	26	402.64	1		400.00	AD	NS	☐	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2003	11/30/2010	26	19.02	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	26	27.01	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	25		1	0.51	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	26		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	26		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	26		0		14.10	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1814_03 From IH 35 east frontage road to Spring Lake Dam

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	26	402.64	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	26	19.02	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	26	27.01	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	26	1.08	0		10.00	AD	FS	☐	FS		

AUID 1814_04 Remainder of segment

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	26	402.64			400.00	AD	NS	☐	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2003	11/30/2010	26	19.02	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	26	27.01	0		50.00	AD	FS	☐	FS		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	26	1.08	0		10.00	AD	FS	☐	FS		

SEGID 1815 Cypress Creek

AUID 1815_01 Lower 7 miles of segment

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	148		51	4.63	6.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	148		14	3.17	4.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	3		2	4.15	6.00	ID	NA	☐	NA		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	3		2	3.8	4.00	ID	NA	☐	NA		
Toxic Substances in sediment	Benzene	12/1/2003	11/30/2010	1		0		45,010.00	ID	NA	☐	NA		
Toxic Substances in sediment	Ethylbenzene	12/1/2003	11/30/2010	1		0		17,180.00	ID	NA	☐	NA		
Toxic Substances in sediment	Toluene	12/1/2003	11/30/2010	1		0		17,290.00	ID	NA	☐	NA		
Toxic Substances in sediment	Xylene	12/1/2003	11/30/2010	1		0		12,010.00	ID	NA	☐	NA		
Habitat	Habitat	12/1/2003	11/30/2010	4	19.75	4		26.00	AD	CS	☐	CS	impaired habitat	
Macrobenthic Community	Macrobenthic Community	12/1/2003	11/30/2010	2	26.60	2		36.00	LD	CS	☐	CS	impaired macrobenthic community	
Fish Community	Fish Community	12/1/2003	11/30/2010	4	44.90	4		52.00	LD	CS	☐	CS	impaired fish community	

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	231	71.11	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
High pH	pH	12/1/2003	11/30/2010	224		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	224		1	6.4	6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	237	363.25	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	27	17.03	0		50.00	AD	FS	☐	FS		

AUID 1815_01 Lower 7 miles of segment

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	28	20.66	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	26		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	235		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	1		0		0.37	ID	NA	☐	NA		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	222		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	240		0		0.69	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	237	363.25	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	27	17.03	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	28	20.66	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	223	0.26	0		10.00	AD	FS	☐	FS		

AUID 1815_02 Upper 7 miles of segment

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	237	363.25	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	27	17.03	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	28	20.66	0		50.00	AD	FS	☐	FS		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	223	0.26	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

SEGID 1816 Johnson Creek

AUID 1816_01 Entire segment

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	42		1	5.8	6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	42		0		4.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	93	51.44	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	42		0		30.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	42		1	9.4	9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	42		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	26	13.25	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	41	302.95	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	26	22.73	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	25		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	26		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	23		0		1.95	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	41	302.95	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	26	22.73	0		300.00	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1816_01** Entire segment

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	26	13.25	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	23	0.64	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

SEGID 1817 North Fork Guadalupe River

AUID 1817_01 Entire segment

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	26		0		6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	26		0		4.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	186	33.81	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	26		0		30.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	26		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	26		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	26	255.85	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	26	9.34	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	26	6.23	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	23		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	26		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	25		0		14.10	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	26	255.85	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	26	6.23	0		300.00	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1817_01** Entire segment

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	26	9.34	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	23	0.38	0		10.00	AD	FS	☐	FS		

SEGID 1818 South Fork Guadalupe River

AUID 1818_01 Lower 1.5 miles of segment

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	26		2	5.05	6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	26		0		4.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	25	15.20	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	26		0		30.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	26		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	26		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	26	8.02	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	26	274.93	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	26	10.57	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	23		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	26		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	25		0		14.10	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	26	274.93	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	26	10.57	0		300.00	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1818_01 Lower 1.5 miles of segment

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	26	8.02	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	23	0.22	0		10.00	AD	FS	☐	FS		

AUID 1818_02 From lower 1.5 mi to approx 0.5 mile upstream of Lange Ravine

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	53	34.77	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	26	274.93	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	26	10.57	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	26	8.02	0		50.00	AD	FS	☐	FS		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	23	0.22	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID 1818_03 From 0.5 mi upstream Lange Ravine to low water dam just below Camp Mystic

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	54	17.51	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	26	274.93	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	26	10.57	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	26	8.02	0		50.00	AD	FS	☐	FS		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	23	0.22	0		10.00	AD	FS	☐	FS		

AUID 1818_04 From low water dam below Camp Mystic to confluence with Cherry Creek

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	54	9.82	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Chloride	12/1/2003	11/30/2010	26	10.57	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	26	8.02	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	26	274.93	0		400.00	AD	FS	☐	FS		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	23	0.22	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 18 - Guadalupe River

AUID **1818_05** Upper 18.5 miles of segment

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	54	33.38	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	26	274.93	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	26	10.57	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	26	8.02	0		50.00	AD	FS	☐	FS		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	23	0.22	0		10.00	AD	FS	☐	FS		