2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio 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Data (less than 4) **JQ** = Level of support is based on judgment of the assessor **SM** = This assessment method is superseded by another method **TR** = Temporally Not Representative, used with NA **SR** = Spatially Not Representative, used with NA **OE** = Other information than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 19 - San Antonio River

SEGID 1901 Lower San Antonio River

AUID 1901_01 25 miles downstream of the confluence with Manahuilla 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	90	145.13	1		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
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	1073	626.26	0		750.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	694	107.58	0		180.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	694	99.26	0		140.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	83		60	5.61	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	83		31	1.08	0.69	AD	CS	☑	CS	total phosphorus	

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	Antimony	12/1/2003	11/30/2010	1	0.35	0		1,071.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	1	0.02	0		1.50	ID	ND	☐	ND		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	39	0.10	0		3.83	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	39	0.49	0		502.00	AD	FS	☐	FS		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	1		0		5.25	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		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1901_01 — 25 miles downstream of the confluence with Manahuilla 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	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	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	1		0		0.61	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	Copper	12/1/2003	11/30/2010	1		0		250.00	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	Dieldrin	12/1/2003	11/30/2010	1		0		0.06	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1901_02 — 25 miles upstream of Manahuilla 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	136		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	136		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		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	7		0		59.50	LD	NC	☐	NC		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	6		0		328.42	LD	NC	☐	NC		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	6		0		20.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	7		0		353.73	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	7		0		1,520.18	LD	NC	☐	NC		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	7		0		133.39	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	7		0		991.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	7		0		4,055.08	LD	NC	☐	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	7	0.08	0		2.52	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	6	0.82	0		5.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	6	3.82	0		274.06	LD	NC	☐	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	7	3.08	0		411.61	LD	NC	☐	NC		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	7	0.06	0		10.73	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	7	0.44	0		452.01	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	7	2.80	0		190.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	7	1.39	0		32.48	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1901_02 — 25 miles upstream of Manahuilla 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
Habitat	Habitat	12/1/2003	11/30/2010	2	16.00	2	16	20.00	AD	CS	☐	CS	impaired habitat	
Fish Community	Fish Community	12/1/2003	11/30/2010	2	32.20	2		42.00	AD	NS	☐	NS	impaired fish community	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	277	226.34	1		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	138		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	137		1	9.1	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	694	99.26	0		140.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	694	107.58	0		180.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	1073	626.26	0		750.00	AD	FS	☐	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	27		19	0.832	0.37	AD	CS	☑	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	87		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	87		49	1.035	0.69	AD	CS	☑	CS	total phosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	25		11	36.36	14.10	AD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	85		76	6.74	1.95	AD	CS	☑	CS	nitrate	

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	Antimony	12/1/2003	11/30/2010	1	0.35	0		1,071.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	1	0.02	0		1.50	ID	ND	☐	ND		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1901_02 — 25 miles upstream of Manahuilla 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	Lead	12/1/2003	11/30/2010	39	0.10	0		3.83	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	39	0.49	0		502.00	AD	FS	☐	FS		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	1		0		5.25	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	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	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	1		0		0.61	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	Copper	12/1/2003	11/30/2010	1		0		250.00	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	Dieldrin	12/1/2003	11/30/2010	1		0		0.06	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1901_03 From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr

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	115		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	115		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		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	5		0		45.83	LD	NC	☐	NC		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	4		0		259.68	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		248.56	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	5		0		1,211.46	LD	NC	☐	NC		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	5		0		97.57	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		3,207.48	LD	NC	☐	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	5	0.05	0		2.52	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	5	0.86	0		5.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	4	4.33	0		274.06	LD	NC	☐	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	5	3.06	0		411.61	LD	NC	☐	NC		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	5	0.74	0		10.73	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	5	0.50	0		452.01	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	5	2.84	0		190.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	5	1.50	0		32.48	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1901_03 — From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr

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	106	162.91	1		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	227		1	32.2	32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	227		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	227		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	1073	626.26	0		750.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	694	107.58	0		180.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	694	99.26	0		140.00	AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	167		1	0.4	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	126		93	0.891	0.69	AD	CS	☐	CS	total phosphorus	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	44		31	0.88	0.37	AD	CS	☐	CS	orthophosphorus	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	164		155	6.669	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	32		6	12.97	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	39	0.49	0		502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	39	0.10	0		3.83	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	1	0.35	0		1,071.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	1	0.02	0		1.50	ID	ND	☐	ND		
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	Toxaphene	12/1/2003	11/30/2010	1		0		0.83	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1901_03 From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr

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	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	Lead	12/1/2003	11/30/2010	1		0		0.60	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	Heptachlor epoxide	12/1/2003	11/30/2010	1		0		0.25	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	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	Mercury	12/1/2003	11/30/2010	1		0		0.53	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1901_04 — 9 miles downstream of Escondido 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	123		1	4.44	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	123		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		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	6		0		991.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	5		0		318.77	LD	NC	☐	NC		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	6		0		20.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	6		0		338.23	LD	NC	☐	NC		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	6		0		3,936.13	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	6		0		1,476.99	LD	NC	☐	NC		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	6		0		360.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	6		0		128.20	LD	NC	☐	NC		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	6		0		57.56	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	6	2.55	0		190.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	6	0.05	0		2.52	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	6	0.50	0		452.01	LD	NC	☐	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	6	1.47	0		32.48	LD	NC	☐	NC		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	6	0.11	0		10.73	LD	NC	☐	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	6	2.95	0		411.61	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	6	0.62	0		5.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	5	4.64	0		274.06	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1901_04 — 9 miles downstream of Escondido 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	115	207.23	1		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	123		1	33	32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	122		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	122		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	1073	626.26	0		750.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	694	107.58	0		180.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	694	99.26	0		140.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	26		3	28.33	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	83		75	6.98	1.95	AD	CS	☑	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	25		18	0.88	0.37	AD	CS	☑	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	83		1	0.41	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	82		44	1.02	0.69	AD	CS	☑	CS	total phosphorus	

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	Thallium	12/1/2003	11/30/2010	1	0.02	0		1.50	ID	ND	☐	ND		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	1	0.35	0		1,071.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	39	0.10	0		3.83	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	39	0.49	0		502.00	AD	FS	☐	FS		
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		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1901_04 — 9 miles downstream of Escondido 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	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	Mirex	12/1/2003	11/30/2010	1		0		0.04	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	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	1		0		0.61	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	Nickel	12/1/2003	11/30/2010	1		0		35.00	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	Cadmium	12/1/2003	11/30/2010	1		0		0.23	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	Copper	12/1/2003	11/30/2010	1		0		250.00	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	Heptachlor	12/1/2003	11/30/2010	1		0		0.20	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1901_05 From upstream end of segment to Escondido 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	368		5	4.24	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	368		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	6		0		5.00	LD	NC	☐	NC		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	6		0		3.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	18		0		59.18	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	17		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	16		0		326.81	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	18		0		351.14	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	18		0		132.52	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	18		0		360.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	18		0		991.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	18		0		4,035.30	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	18		0		1,513.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	18	1.76	0		190.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	18	0.05	0		2.52	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	18	0.48	0		452.01	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	18	1.49	0		32.48	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	18	0.09	0		10.73	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	18	2.93	0		411.61	AD	FS	☐	FS		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	17	0.56	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	16	5.33	0		274.06	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1901_05 — From upstream end of segment to Escondido 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
Habitat	Habitat	12/1/2003	11/30/2010	2	20.50	1	18	20.00	TR	NC	☐	NC		
Fish Community	Fish Community	12/1/2003	11/30/2010	2	31.20	2	29.5	42.00	TR	CN	☐	CN	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	348	140.38	1		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	369		2	34	32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	367		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	367		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	1073	626.26	0		750.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	694	107.58	0		180.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	694	99.26	0		140.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	209		203	8	1.95	AD	CS	☑	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	51		42	0.99	0.37	AD	CS	☑	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	211		2	0.57	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	209		116	1.17	0.69	AD	CS	☑	CS	total phosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	51		1	29	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	12/1/2003	11/30/2010	39	0.10	0		3.83	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	1	0.35	0		1,071.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1901_05 From upstream end of segment to Escondido 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	39	0.49	0		502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	1	0.02	0		1.50	ID	ND	☐	ND		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	1		0		0.13	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	Selenium	12/1/2003	11/30/2010	1		0		4.38	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	Lead	12/1/2003	11/30/2010	1		0		0.60	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	Aldrin	12/1/2003	11/30/2010	1		0		0.14	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	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		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1901_06** Lower 31 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	89		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	89		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	1		0		330.82	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	1		0		4,084.72	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	1		0		357.63	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	1		0		59.99	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	1		0		1,530.94	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	1		0		134.69	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	Arsenic	12/1/2003	11/30/2010	1		0		360.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	1	0.10	0		10.73	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	1	2.80	0		190.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	1	4.10	0		274.06	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	1	5.10	0		411.61	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	1	0.10	0		452.01	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	1	0.27	0		2.52	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	1	1.70	0		32.48	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	87	109.47	0		126.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1901_06 Lower 31 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
Water Temperature	Temperature	12/1/2003	11/30/2010	91		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	91		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	91		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	1073	626.26	0		750.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	694	107.58	0		180.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	694	99.26	0		140.00	AD	FS	☐	FS		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	65		28	0.98	0.69	AD	CS	☑	CS	total phosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	9		3	43.67	14.10	LD	NC	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	9		7	0.79	0.37	LD	CS	☑	CS	orthophosphorus	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	65		59	5.82	1.95	AD	CS	☑	CS	nitrate	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	67		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	Lead	12/1/2003	11/30/2010	39	0.10	0		3.83	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	1	0.35	0		1,071.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	1	0.02	0		1.50	ID	ND	☐	ND		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	39	0.49	0		502.00	AD	FS	☐	FS		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	1		0		0.83	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	Copper	12/1/2003	11/30/2010	1		0		250.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	1		0		0.04	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1901_06 Lower 31 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	Nickel	12/1/2003	11/30/2010	1		0		35.00	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	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	Dieldrin	12/1/2003	11/30/2010	1		0		0.06	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	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		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

SEGID 1901A Escondido Creek (unclassified water body)

AUID 1901A_01 From the confluence with segment 1901 up to the confluence with Nichols Creek in Kennedy.

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		1	3.67	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	11		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	11	692.38	1		126.00	LD	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
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	1		1	1.36	0.37	ID	NA	☐	NA		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	1		0		14.10	ID	NA	☐	NA		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	2		0		0.33	ID	NA	☐	NA		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	2		1	21.7	1.95	ID	NA	☐	NA		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	2		2	2.24	0.69	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

SEGID 1901B Cabeza Creek (unclassified water body)

AUID 1901B_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	Choose a Parameter	12/1/2003	11/30/2010	7				3.00	LD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	7		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	7	2071.99	1		126.00	LD	CN	☑	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
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	1		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	1		0		14.10	ID	NA	☐	NA		

SEGID 1901C Hord Creek (unclassified water body)

AUID 1901C_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	8		0		3.00	LD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	8		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	7	73.46	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
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	3		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	3		0		0.33	ID	NA	☐	NA		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	3		0		0.69	ID	NA	☐	NA		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	1		0		14.10	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

SEGID 1902 Lower Cibolo Creek

AUID 1902_01 Lower 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	45		1	1.36	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	45		1	1.36	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	45	227.29	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
Water Temperature	Temperature	12/1/2003	11/30/2010	45		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	44		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	44		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	198	637.08	0		900.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	175	88.38	0		170.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	176	122.01	0		275.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	37		7	2.67	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	6		0		0.37	LD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	37		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	37		1	0.76	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	6		0		14.10	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1902_01** Lower 5 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	Chromium	12/1/2003	11/30/2010	5	0.41	0		502.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	5	0.05	0		3.83	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	1	0.04	0		1,071.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	1	0.02	0		1.50	ID	ND	☐	ND		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1902_02 — From 5 miles upstream of confluence with the San Antonio River to FM 541

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		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	7		0		5.00	LD	NC	☐	NC		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	7		0		3.00	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	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		143.40	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	5		0		1,602.22	LD	NC	☐	NC		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	5		0		63.21	LD	NC	☐	NC		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	5		0		383.84	LD	NC	☐	NC		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	5		0		4,281.34	LD	NC	☐	NC		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	4		0		20.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	5		0		346.77	LD	NC	☐	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	5	0.45	0		27.52	LD	NC	☐	NC		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	5	1.73	0		232.53	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	4	1.10	0		5.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	5	0.05	0		8.38	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	5	0.41	0		385.63	LD	NC	☐	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	5	0.04	0		2.16	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	5	1.89	0		190.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	5	3.12	0		349.33	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1902_02 — From 5 miles upstream of confluence with the San Antonio River to FM 541

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	7	20.40	2	18.5	20.00	AD	NC	☐	NC		
Fish Community	Fish Community	12/1/2003	11/30/2010	7	38.50			42.00	AD	NS	☐	NS	impaired fish community	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	96	183.82	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
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	198	637.08	0		900.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	175	88.38	0		170.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	176	122.01	0		275.00	AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	52		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	52		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	Nitrate	12/1/2003	11/30/2010	52		6	2.61	1.95	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	Chromium	12/1/2003	11/30/2010	5	0.41	0		502.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	5	0.05	0		3.83	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1902_02** From 5 miles upstream of confluence with the San Antonio River to FM 541

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	Antimony	12/1/2003	11/30/2010	1	0.04	0		1,071.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	1	0.02	0		1.50	ID	ND	☐	ND		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1902_03 From FM 541 to confluence with Clifton Branch

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	16		1	3.7	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	16		0		3.00	AD	FS	☐	FS		
Fish Community	Fish Community	12/1/2003	11/30/2010						ID	NA	☑	CN	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	17	158.17	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
Water Temperature	Temperature	12/1/2003	11/30/2010	16		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	16		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	16		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	176	122.01	0		275.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	175	88.38	0		170.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	198	637.08	0		900.00	AD	FS	☐	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	17		1	0.54	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	16		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	14		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	15		2	18.85	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	16		4	2.56	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	Lead	12/1/2003	11/30/2010	5	0.05	0		3.83	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1902_03** From FM 541 to confluence with Clifton Branch

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	Antimony	12/1/2003	11/30/2010	1	0.04	0		1,071.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	5	0.41	0		502.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	1	0.02	0		1.50	ID	ND	☐	ND		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1902_04 From confluence with Clifton Branch to the confluence with Elm 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	25		0		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		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	1		0		46.97	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	1		0		3,279.55	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	1		0		265.52	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	1		0		257.01	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	1		0		100.51	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	Chromium	12/1/2003	11/30/2010	1		0		1,237.80	ID	NA	☐	NA		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	1		0		360.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	1	0.42	0		190.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	1	0.02	0		2.16	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	1	0.06	0		385.63	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	1	0.30	0		27.52	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	1	0.06	0		8.38	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	1	2.50	0		349.33	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	1	1.90	0		232.53	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	24	60.97	0		126.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1902_04 From confluence with Clifton Branch to the confluence with Elm 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
Water Temperature	Temperature	12/1/2003	11/30/2010	25		0		32.20	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	Total Dissolved Solids	12/1/2003	11/30/2010	198	637.08	0		900.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	175	88.38	0		170.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	176	122.01	0		275.00	AD	FS	☐	FS		
Enterococci (1006, 1007) single sample	Enterococcus	12/1/2003	11/30/2010	1		0		89.00	ID	NA	☐	NA		
Enterococci (1006, 1007) geometric mean	Enterococcus	12/1/2003	11/30/2010	1	40.00	0		89.00	ID	NA	☐	NA		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	28		17	3.04	1.95	AD	CS	☑	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	29		11	0.46	0.37	AD	CS	☑	CS	orthophosphorus	
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	26		3	0.8	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	25		4	63.98	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	5	0.41	0		502.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	1	0.02	0		1.50	ID	ND	☐	ND		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	1	0.04	0		1,071.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	5	0.05	0		3.83	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1902_05 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	39		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	39		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	7		0		5.00	LD	NC	☐	NC		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	7		0		3.00	LD	NC	☐	NC		
Habitat	Habitat	12/1/2003	11/30/2010	6	23.90	0		20.00	AD	NC	☐	NC		
Fish Community	Fish Community	12/1/2003	11/30/2010	6	45.30	1	32	41.00	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	39	111.02	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	39		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	39		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	39		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	198	637.08	0		900.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	175	88.38	0		170.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	176	122.01	0		275.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	39		21	3.51	1.95	AD	CS	☑	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	14		12	0.71	0.37	AD	CS	☑	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	39		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	39		18	1.07	0.69	AD	CS	☑	CS	total phosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	13		1	22	14.10	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1902_05** 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	Chromium	12/1/2003	11/30/2010	5	0.41	0		502.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	5	0.05	0		3.83	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	1	0.04	0		1,071.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	1	0.02	0		1.50	ID	ND	☐	ND		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

SEGID 1902A Martinez Creek (unclassified water body)

AUID 1902A_01 From confluence with Cibolo Creek to confluence with Salatrillo 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	6		0		5.00	LD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	6		0		3.00	LD	NC	☐	NC		
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		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	1		0		991.00	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	Cadmium	12/1/2003	11/30/2010	1		0		75.70	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	1		0		1,007.54	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	1		0		37.07	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	1		0		186.65	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	1		0		2,651.42	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	1		0		214.60	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	1	1.70	0		22.21	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	1	7.20	0		188.02	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	1	0.10	0		6.09	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	1	0.25	0		314.03	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	1	0.05	0		1.78	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	1	2.60	0		190.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	1	2.30	0		282.55	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1902A_01 From confluence with Cibolo Creek to confluence with Salatrillo 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	5	253.56	1		126.00	LD	CN	☐	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
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	6		2	3.73	1.95	LD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	1		1	1.54	0.37	ID	NA	☐	NA		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	6		0		0.33	LD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	5		3	1.37	0.69	LD	CS	☑	CS	total phosphorus	

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	0.25	0		502.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	1	0.10	0		3.83	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	1	0.39	0		1,071.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	1	0.02	0		1.50	ID	ND	☐	ND		

AUID 1902A_02 From confluence with Salatrillo Creek to confluence with Escondido 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	Antimony	12/1/2003	11/30/2010	1	0.39	0		1,071.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	1	0.02	0		1.50	ID	ND	☐	ND		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	1	0.10	0		3.83	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	1	0.25	0		502.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1902A_03** From confluence with Escondido Creek to about. 1.9 miles downstream of IH 10

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	900.67			126.00	LD	CN	☑	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
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	4		3	6.15	1.95	LD	CS	☐	CS	nitrate	

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	0.25	0		502.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	1	0.10	0		3.83	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	1	0.39	0		1,071.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	1	0.02	0		1.50	ID	ND	☐	ND		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1902A_04 — From approximately 1.1 km downstream of FM 1516 to Binz-Engleman Road.

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	3		0		4.00	ID	NA	☑	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	3		0		3.00	ID	NA	☑	CN	depressed dissolved oxygen	
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	1		0		4.00	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	3	833.76	1		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	Ammonia	12/1/2003	11/30/2010	3		0		0.33	ID	NA	☐	NA		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	2		0		0.69	ID	NA	☐	NA		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	3		0		1.95	ID	NA	☐	NA		

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	1	0.10	0		3.83	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	1	0.39	0		1,071.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	1	0.02	0		1.50	ID	ND	☐	ND		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	1	0.25	0		502.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1902A_05 Remainder 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	2		1	4.4	5.00	ID	NA	☐	NA		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	2		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 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	2	1000.00	1		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	2		0		1.95	ID	NA	☐	NA		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	2		0		0.33	ID	NA	☐	NA		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	1		0		0.69	ID	NA	☐	NA		

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	0.25	0		502.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	1	0.02	0		1.50	ID	ND	☐	ND		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	1	0.10	0		3.83	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	1	0.39	0		1,071.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

SEGID 1902B Salatrillo Creek (unclassified water body)

AUID 1902B_01 From the confluence with Martinez Creek to FM 78 in Converse

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	43		0		3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	43		0		2.00	AD	FS	☐	FS		
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		0		2.00	ID	NA	☐	NA		
Habitat	Habitat	12/1/2003	11/30/2010	1	20.50	0		9.00	LD	NC	☐	NC		
Fish Community	Fish Community	12/1/2003	11/30/2010	1	41.80	0		11.00	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	43	19.39	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	27		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	43		32	5.16	1.95	AD	CS	☑	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	27		27	2.81	0.37	AD	CS	☐	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	43		9	0.58	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	39		37	2.76	0.69	AD	CS	☑	CS	total phosphorus	

SEGID 1903 Medina River Below Medina Diversion Lake

AUID 1903_01 Lower 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	48		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	48		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	47	103.25	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	48		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	48		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	48		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	221	450.07	0		700.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	190	42.87	0		120.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	191	63.19	0		120.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	27		1	19.8	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	28		26	8.48	1.95	AD	CS	☑	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	25		20	0.98	0.37	AD	CS	☑	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	26		3	0.62	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	26		21	1.1	0.69	AD	CS	☑	CS	total phosphorus	

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1903_01** Lower 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	28	81.68	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	28	82.96	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Total Dissolved Solids	12/1/2003	11/30/2010	48	578.00	0		1,000.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	79	0.29	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	177	3.75	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1903_02 — From 5 mi upstream of San Antonio River to 1.5 mi upstream of Leon 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	52		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	52		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	4		0		5.00	LD	NC	☐	NC		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	4		0		3.00	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	52	161.00	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	53		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	53		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	53		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	221	450.07	0		700.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	190	42.87	0		120.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	191	63.19	0		120.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	53		44	6	1.95	AD	CS	☑	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	16		13	0.92	0.37	AD	CS	☑	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	53		14	0.86	0.33	AD	CS	☑	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	53		27	1.2	0.69	AD	CS	☑	CS	total phosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	16		0		14.10	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1903_02** From 5 mi upstream of San Antonio River to 1.5 mi upstream of Leon 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	57	556.77	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	53	69.49	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	53	79.04	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	79	0.29	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	177	3.75	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1903_03 — From 1.5 miles upstream of Leon Cr to confluence with Live Oak Slough

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	13		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	13		0		3.00	AD	FS	☐	FS		
Fish Community	Fish Community	12/1/2003	11/30/2010	1	42.00	0		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	12	94.66	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	13		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	13		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	13		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	221	450.07	0		700.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	190	42.87	0		120.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	191	63.19	0		120.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	13		12	3.33	1.95	AD	CS	☑	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	11		0		0.37	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	11		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	11		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	12	480.08	0		1,000.00	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1903_03** From 1.5 miles upstream of Leon Cr to confluence with Live Oak Slough

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	51.50	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	13	87.00	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	79	0.29	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	177	3.75	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1903_04 From confluence with Live Oak Slough to upstream 25 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	69		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	69		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	5		0		5.00	LD	NC	☐	NC		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	5		0		3.00	LD	NC	☐	NC		
Habitat	Habitat	12/1/2003	11/30/2010	6	21.30	2	19	20.00	AD	NC	☐	NC		
Fish Community	Fish Community	12/1/2003	11/30/2010	6	44.90	2	36	41.00	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	60	94.67	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		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	69		1	9.1	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	191	63.19	0		120.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	190	42.87	0		120.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	221	450.07	0		700.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	68		37	3.15	1.95	AD	CS	☑	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	37		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	69		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	62		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	32		1	18.5	14.10	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1903_04** From confluence with Live Oak Slough to upstream 25 miles

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	75	352.51	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	68	16.87	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	68	47.02	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	79	0.29	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	177	3.75	0		10.00	AD	FS	☐	FS		

AUID 1903_05 Upper 32 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	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		
Fish Community	Fish Community	12/1/2003	11/30/2010	1	43.00	0		42.00	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	25	9.76	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	221	450.07	0		700.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	190	42.87	0		120.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	191	63.19	0		120.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	28		0		1.95	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	29		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	29		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	26		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	268.45	0		1,000.00	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1903_05** Upper 32 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	29	43.61	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	29	12.94	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	79	0.29	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	177	3.75	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

SEGID 1904 Medina Lake

AUID 1904_01 Lower portion, from dam west to Masterson Point and east to Reuters Cove

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		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	1		0		20.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	1	0.25	0		5.00	ID	NA	☐	NA		
Toxic Substances in sediment	Manganese	12/1/2003	11/30/2010	1		0		1,100.00	ID	NA	☐	NA		
Toxic Substances in sediment	Iron	12/1/2003	11/30/2010	1		0		40,000.00	ID	NA	☐	NA		
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	1		0		459.00	ID	NA	☐	NA		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	1		0		2.20	ID	NA	☐	NA		
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	1		0		1.06	ID	NA	☐	NA		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	1		0		128.00	ID	NA	☐	NA		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	1		0		149.00	ID	NA	☐	NA		
Toxic Substances in sediment	Chromium	12/1/2003	11/30/2010	1		0		111.00	ID	NA	☐	NA		
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	1		0		4.98	ID	NA	☐	NA		
Toxic Substances in sediment	Arsenic	12/1/2003	11/30/2010	1		0		33.00	ID	NA	☐	NA		
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	1		0		48.60	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	Enterococcus	12/1/2003	11/30/2010	1	1.00	0		35.00	ID	NA	☐	NA		
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	22	2.10	0		126.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1904_01** Lower portion, from dam west to Masterson Point and east to Reuters Cove

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		31.10	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		2	5.83	6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	54	272.83	0		350.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	49	11.92	0		80.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	49	52.86	0		75.00	AD	FS	☐	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	24		0		0.05	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	19		0		26.70	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	24		1	0.5	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	24		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	22		0		0.11	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	174	268.26	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	25	11.80	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	25	49.92	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	2	0.24	0		50.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	49	0.16	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	45	0.17	0		10.00	AD	FS	☐	FS		

AUID 1904_02 — Part of lake extending upstream from Brushy Creek 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	24		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	24		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	1		0		20.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	1	0.23	0		5.00	ID	NA	☐	NA		
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	1		0		1.06	ID	NA	☐	NA		
Toxic Substances in sediment	Arsenic	12/1/2003	11/30/2010	1		0		33.00	ID	NA	☐	NA		
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	1		0		459.00	ID	NA	☐	NA		
Toxic Substances in sediment	Iron	12/1/2003	11/30/2010	1		0		40,000.00	ID	NA	☐	NA		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	1		0		2.20	ID	NA	☐	NA		
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	1		0		48.60	ID	NA	☐	NA		
Toxic Substances in sediment	Manganese	12/1/2003	11/30/2010	1		0		1,100.00	ID	NA	☐	NA		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	1		0		128.00	ID	NA	☐	NA		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	1		0		149.00	ID	NA	☐	NA		
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	1		0		4.98	ID	NA	☐	NA		
Toxic Substances in sediment	Chromium	12/1/2003	11/30/2010	1		0		111.00	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	23	3.53	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	24		1	31.6	31.10	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	24		0		9.00	AD	FS	☐	FS		

AUID 1904_02 Part of lake extending upstream from Brushy Creek 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
Low pH	pH	12/1/2003	11/30/2010	24		2	5.65	6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	49	52.86	0		75.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	49	11.92	0		80.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	54	272.83	0		350.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	21		4	0.71	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	23		0		0.05	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	21		0		0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	21		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	18		0		26.70	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	89	299.18	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	24	12.04	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	24	55.92	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	49	0.16	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	45	0.17	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	2	0.24	0		50.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1904_03** 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	Chloride	12/1/2003	11/30/2010	49	11.92	0		80.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	49	52.86	0		75.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	54	272.83	0		350.00	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	45	0.17	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	2	0.24	0		50.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	49	0.16	0		4.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

SEGID 1905 Medina River Above Medina Lake

AUID 1905_01 From lower end of segment to RR 470, upstream of Bandera

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		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	6		0		6.00	LD	NC	☐	NC		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	6		0		4.00	LD	NC	☐	NC		
Habitat	Habitat	12/1/2003	11/30/2010	6	20.00	6		26.00	AD	CS	☑	CS	impaired habitat	
Fish Community	Fish Community	12/1/2003	11/30/2010	6	44.50	6	43	52.00	AD	NS	☐	NS	impaired fish community	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	26	29.06	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		31.10	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	76.27	0		150.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	36	381.93	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	30	12.40	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	30		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	7		0		0.37	LD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	30		0		0.33	AD	NC	☐	NC		

AUID 1905_01 From lower end of segment to RR 470, upstream of Bandera

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	29		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	8		0		14.10	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	36	381.93	0		1,000.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Chloride	12/1/2003	11/30/2010	30	12.40	0		300.00	AD	NC	☐	NC		
Surface Water Dissolved Solids average	Sulfate	12/1/2003	11/30/2010	30	76.27	0		300.00	AD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	26	0.39	0		10.00	AD	FS	☐	FS		

AUID 1905_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
Fish Community	Fish Community	12/1/2003	11/30/2010		50.00	1		52.00	ID	NA	☑	CN	impaired fish community	

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	30	12.40			50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	30	76.27			150.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	36	381.93	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	26	0.39	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

SEGID 1905A North Prong Medina River (unclassified water body)

AUID 1905A_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	15		1	4.4	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	15		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		
Toxic Substances in sediment	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	1		0		550.00	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	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	Di-n-butyl phthalate	12/1/2003	11/30/2010	1		0		43.00	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	Phenanthrene	12/1/2003	11/30/2010	1		0		1,170.00	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	Benzo(a)pyrene	12/1/2003	11/30/2010	1		0		1,450.00	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	Acenaphthene	12/1/2003	11/30/2010	1		0		89.00	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	Chrysene	12/1/2003	11/30/2010	1		0		1,290.00	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	1		0		240.00	ID	NA	☐	NA		

AUID 1905A_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
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	1,4-Dichlorobenzene	12/1/2003	11/30/2010	1		0		4,650.00	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		
Toxic Substances in sediment	Acenaphthylene	12/1/2003	11/30/2010	1		0		130.00	ID	NA	☐	NA		
Habitat	Habitat	12/1/2003	11/30/2010	1	21.50	1	21.5	26.00	LD	CS	☐	CS	impaired habitat	
Fish Community	Fish Community	12/1/2003	11/30/2010	1	52.50	0		52.00	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	15	31.22	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
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	15		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	15		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	15		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	15		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	15		0		14.10	AD	NC	☐	NC		

SEGID 1906 Lower Leon Creek

AUID 1906_01 Lower 3 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 minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	46		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2000	11/30/2010	18		0		5.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2000	11/30/2010	18		0		3.00	AD	FS	☐	FS		
Habitat	Habitat	12/1/2003	11/30/2010	6	25.30	0		20.00	AD	NC	☐	NC		
Fish Community	Fish Community	12/1/2003	11/30/2010	6	43.00	2	34	41.00	AD	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	46	28.58	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	Dissolved Oxygen Grab	12/1/2003	11/30/2010	46		1	4.7	5.00	AD	NC	☐	NC		
Water Temperature	Temperature	12/1/2003	11/30/2010	47		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	47		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	47		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	204	526.80			700.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	115	54.35			120.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	117	81.39			120.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	47		8	2.37	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	14		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	47		0		0.69	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_01 Lower 3 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
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	47		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	14		0		0.37	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	Tetrachloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	1	0.13	0		0.25	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	33	0.27	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	2,4-Dimethylphenol	12/1/2003	11/30/2010	2	2.63	0		257.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bromoform	12/1/2003	11/30/2010	1	2.50	0		69.10	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	2	0.33	0		0.65	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	1	1.60	0		3.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Nitrobenzene	12/1/2003	11/30/2010	2	2.63	0		11.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	1	2.50	0		700.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	1	2.50	0		7.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	1	2.50	0		200.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Pentachlorobenzene	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2003	11/30/2010	1	2.50	0		100.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_01 Lower 3 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	o-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		600.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		473.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	2	0.15	0		0.30	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	DDE	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Silvex	12/1/2003	11/30/2010	2	0.25	0		7.30	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	1	2.50	0		70.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	2	0.06	0		0.12	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	N-Nitrosodiethylamine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	1	10.00	0		13,932.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorophene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Cresols	12/1/2003	11/30/2010	2	5.25	0		736.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	1	0.08	0		0.16	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Pyridine	12/1/2003	11/30/2010	2	2.63	0		23.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	1	2.05	0		4.10	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	1	0.40	0		0.80	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzidine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzo(a)anthracene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	33	0.18	0		5.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_01 Lower 3 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	Chromium	12/1/2003	11/30/2010	34	2.00	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chrysene	12/1/2003	11/30/2010	2	2.63	0		68.13	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	DDD	12/1/2003	11/30/2010	2	0.01	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Endrin	12/1/2003	11/30/2010	2	0.03	0		0.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	DDT	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2003	11/30/2010	1	2.50	0		10.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzo(a)pyrene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	2	2.63	0		1,194.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dicofol (Kelthane)	12/1/2003	11/30/2010	2	0.04	0		0.08	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Di-n-butyl phthalate	12/1/2003	11/30/2010	2	2.63	0		1,318.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	2	0.03	0		0.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Methoxychlor	12/1/2003	11/30/2010	2	0.03	0		0.33	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2003	11/30/2010	2	2.63	0		27.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	2	2.63	0		6.50	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_01 Lower 3 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	DDE	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Vinyl chloride	12/1/2003	11/30/2010	1	0.13	0		0.25	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chlorobenzene	12/1/2003	11/30/2010	1	2.50	0		100.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Toluene	12/1/2003	11/30/2010	1	2.50	0		1,000.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1,2-Trichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1,1-Trichloroethane	12/1/2003	11/30/2010	1	2.50	0		200.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Bromoform	12/1/2003	11/30/2010	1	2.50	0		69.10	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Tetrachloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	1	1.60	0		3.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrobenzene	12/1/2003	11/30/2010	2	2.63	0		11.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Ethylbenzene	12/1/2003	11/30/2010	1	2.50	0		700.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,2-Dichloropropane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,2-Dichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chloroform	12/1/2003	11/30/2010	1	2.50	0		70.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Dichloromethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1-Dichloroethylene	12/1/2003	11/30/2010	1	2.50	0		7.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Silvex	12/1/2003	11/30/2010	2	0.25	0		7.30	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Bis(2-ethylhexyl)phthalate	12/1/2003	11/30/2010	2	2.63	0		6.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorocyclopentadiene	12/1/2003	11/30/2010	2	5.25	0		50.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	2,4-Dimethylphenol	12/1/2003	11/30/2010	2	2.63	0		257.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Methoxychlor	12/1/2003	11/30/2010	2	0.03	0		0.33	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_01 Lower 3 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	o-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		600.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Carbon tetrachloride	12/1/2003	11/30/2010	1	2.05	0		4.10	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	2	0.15	0		0.30	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		473.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Trihalomethane	12/1/2003	11/30/2010	1	2.50	0		80.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	2	0.33	0		0.65	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Pentachlorobenzene	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	2	0.06	0		0.12	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	N-Nitrosodiethylamine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Methyl ethyl ketone	12/1/2003	11/30/2010	1	10.00	0		13,932.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorophene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Cresols	12/1/2003	11/30/2010	2	5.25	0		736.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,2-Dibromoethane	12/1/2003	11/30/2010	1	0.08	0		0.16	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Pyridine	12/1/2003	11/30/2010	2	2.63	0		23.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Benzo(a)anthracene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Bromodichloromethane	12/1/2003	11/30/2010	1	2.50	0		10.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Endrin	12/1/2003	11/30/2010	2	0.03	0		0.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	35	0.16	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	DDD	12/1/2003	11/30/2010	2	0.01	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chrysene	12/1/2003	11/30/2010	2	2.63	0		68.13	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chlordane	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_01 Lower 3 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	Heptachlor	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Benzo(a)pyrene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	55	0.18	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzidine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	33	2.31	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Anthracene	12/1/2003	11/30/2010	2	2.63	0		5,569.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Aldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Acrylonitrile	12/1/2003	11/30/2010	1	0.40	0		0.80	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	2,4-D	12/1/2003	11/30/2010	2	0.25	0		70.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	33	0.18	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Toxaphene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Benzene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	2	2.63	0		1,194.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Dicofol (Kelthane)	12/1/2003	11/30/2010	2	0.04	0		0.08	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Dieldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Di-n-butyl phthalate	12/1/2003	11/30/2010	2	2.63	0		1,318.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Heptachlor epoxide	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	gamma-BHC (Lindane)	12/1/2003	11/30/2010	2	0.03	0		0.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		75.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Trichloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1906_01** Lower 3 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	Nitrate	12/1/2003	11/30/2010	101	0.98	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	33	0.27	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2003	11/30/2010	2	2.63	0		27.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	2	2.63	0		6.50	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	DDT	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water Toxic Substances average concern	Atrazine	12/1/2003	11/30/2010	2	1.50	0		3.00	ID	NA	☐	NA		
Surface Water Toxic Substances average concern	MTBE	12/1/2003	11/30/2010	1	2.50	0		240.00	ID	NA	☐	NA		

AUID 1906_02 — From 3 miles upstream lower end of segment to confluence with Indian 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	15		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	15		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	10		1	4.7	5.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	10		1	0.6	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	14	93.67	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	15		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	15		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	15		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	117	54.35			120.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	204	526.86			700.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	117	81.39			120.00	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	Chlorobenzene	12/1/2003	11/30/2010	1	2.50	0		100.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	1	1.60	0		3.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	DDE	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	1	2.50	0		200.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_02 — From 3 miles upstream lower end of segment to confluence with Indian 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	Bromoform	12/1/2003	11/30/2010	1	2.50	0		69.10	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Nitrobenzene	12/1/2003	11/30/2010	2	2.63	0		11.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	1	2.50	0		700.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	2	0.33	0		0.65	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	2	0.06	0		0.12	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	1	2.50	0		7.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	1	0.08	0		0.16	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Cresols	12/1/2003	11/30/2010	2	5.25	0		736.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorophene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	1	2.05	0		4.10	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	N-Nitrosodiethylamine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	1	0.13	0		0.25	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Pentachlorobenzene	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Silvex	12/1/2003	11/30/2010	2	0.25	0		7.30	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Pyridine	12/1/2003	11/30/2010	2	2.63	0		23.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	2	0.15	0		0.30	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		473.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	o-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		600.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_02 From 3 miles upstream lower end of segment to confluence with Indian 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	Dichloromethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	2,4-Dimethylphenol	12/1/2003	11/30/2010	2	2.63	0		257.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	1	10.00	0		13,932.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzo(a)pyrene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Endrin	12/1/2003	11/30/2010	2	0.03	0		0.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	DDD	12/1/2003	11/30/2010	2	0.01	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	33	0.18	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chrysene	12/1/2003	11/30/2010	2	2.63	0		68.13	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzo(a)anthracene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzidine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	1	0.40	0		0.80	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2003	11/30/2010	1	2.50	0		10.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	1	2.50	0		70.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	34	2.00	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_02 From 3 miles upstream lower end of segment to confluence with Indian 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	Chlordane	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	2	2.63	0		1,194.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	2	2.63	0		6.50	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dicofol (Kelthane)	12/1/2003	11/30/2010	2	0.04	0		0.08	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	DDT	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Di-n-butyl phthalate	12/1/2003	11/30/2010	2	2.63	0		1,318.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Methoxychlor	12/1/2003	11/30/2010	2	0.03	0		0.33	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	33	0.27	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2003	11/30/2010	2	2.63	0		27.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	2	0.03	0		0.20	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	1,2-Dichloropropane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	DDE	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Vinyl chloride	12/1/2003	11/30/2010	1	0.13	0		0.25	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1,2-Trichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1,1-Trichloroethane	12/1/2003	11/30/2010	1	2.50	0		200.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Bromoform	12/1/2003	11/30/2010	1	2.50	0		69.10	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Toluene	12/1/2003	11/30/2010	1	2.50	0		1,000.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_02 From 3 miles upstream lower end of segment to confluence with Indian 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 HH criteria for PWS average	Tetrachloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	1	1.60	0		3.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,2-Dichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Ethylbenzene	12/1/2003	11/30/2010	1	2.50	0		700.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1-Dichloroethylene	12/1/2003	11/30/2010	1	2.50	0		7.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chlorobenzene	12/1/2003	11/30/2010	1	2.50	0		100.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Carbon tetrachloride	12/1/2003	11/30/2010	1	2.05	0		4.10	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Bis(2-ethylhexyl)phthalate	12/1/2003	11/30/2010	2	2.63	0		6.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chloroform	12/1/2003	11/30/2010	1	2.50	0		70.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrobenzene	12/1/2003	11/30/2010	2	2.63	0		11.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Silvex	12/1/2003	11/30/2010	2	0.25	0		7.30	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Pentachlorobenzene	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Bromodichloromethane	12/1/2003	11/30/2010	1	2.50	0		10.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorocyclopentadiene	12/1/2003	11/30/2010	2	5.25	0		50.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Dichloromethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	o-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		600.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		473.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	2,4-Dimethylphenol	12/1/2003	11/30/2010	2	2.63	0		257.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Pyridine	12/1/2003	11/30/2010	2	2.63	0		23.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	2	0.33	0		0.65	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	2	0.06	0		0.12	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_02 From 3 miles upstream lower end of segment to confluence with Indian 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 HH criteria for PWS average	N-Nitrosodiethylamine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Methyl ethyl ketone	12/1/2003	11/30/2010	1	10.00	0		13,932.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorophene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Cresols	12/1/2003	11/30/2010	2	5.25	0		736.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,2-Dibromoethane	12/1/2003	11/30/2010	1	0.08	0		0.16	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	2	0.15	0		0.30	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Benzo(a)anthracene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	55	0.18	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Endrin	12/1/2003	11/30/2010	2	0.03	0		0.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Dieldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	DDD	12/1/2003	11/30/2010	2	0.01	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chrysene	12/1/2003	11/30/2010	2	2.63	0		68.13	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	2,4-D	12/1/2003	11/30/2010	2	0.25	0		70.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Heptachlor	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	33	0.18	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Trihalomethane	12/1/2003	11/30/2010	1	2.50	0		80.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Benzidine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	33	2.31	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Anthracene	12/1/2003	11/30/2010	2	2.63	0		5,569.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Aldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Acrylonitrile	12/1/2003	11/30/2010	1	0.40	0		0.80	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_02 From 3 miles upstream lower end of segment to confluence with Indian 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 HH criteria for PWS average	Benzene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chlordane	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Trichloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Dicofol (Kelthane)	12/1/2003	11/30/2010	2	0.04	0		0.08	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	DDT	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Di-n-butyl phthalate	12/1/2003	11/30/2010	2	2.63	0		1,318.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Toxaphene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	gamma-BHC (Lindane)	12/1/2003	11/30/2010	2	0.03	0		0.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Benzo(a)pyrene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Heptachlor epoxide	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	2	2.63	0		1,194.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	35	0.16	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	101	0.98	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Methoxychlor	12/1/2003	11/30/2010	2	0.03	0		0.33	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	33	0.27	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2003	11/30/2010	2	2.63	0		27.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	2	2.63	0		6.50	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		75.00	ID	NA	☐	NA		
Surface Water Toxic Substances average concern	Atrazine	12/1/2003	11/30/2010	2	1.50	0		3.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1906_02** From 3 miles upstream lower end of segment to confluence with Indian 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 Toxic Substances average concern	MTBE	12/1/2003	11/30/2010	1	2.50	0		240.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_03 From confluence with Indian Creek to Hwy 353 (New Laredo Hwy)

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	2/23/2004	10/4/2010	26		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	2/23/2004	10/4/2010	26		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	6/4/2004	6/4/2004	1		0	0	5.00	LD	NA	☐	NA		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	6/4/2004	6/4/2004	1		0		3.00	LD	NA	☐	NA		
Acute Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	1		0		0.22	ID	NA	☐	NA		
Acute Toxic Substances in water	Phenanthrene	12/1/2003	11/30/2010	1		0		30.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	23		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	23		0		269.42	AD	FS	☐	FS		
Acute Toxic Substances in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	1		0		2.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	1		0		0.78	ID	NA	☐	NA		
Acute Toxic Substances in water	DDT	12/1/2003	11/30/2010	1		0		1.10	ID	NA	☐	NA		
Acute Toxic Substances in water	Dicofol (Kelthane)	12/1/2003	11/30/2010	1		0		59.30	ID	NA	☐	NA		
Acute Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	1		0		0.22	ID	NA	☐	NA		
Acute Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	1		0		12.26	ID	NA	☐	NA		
Acute Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	1		0		136.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Parathion	12/1/2003	11/30/2010	1		0		0.07	ID	NA	☐	NA		
Acute Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	1		0		0.22	ID	NA	☐	NA		
Acute Toxic Substances in water	Carbaryl (Sevin)	12/1/2003	11/30/2010	1		0		2.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	23		0		991.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	23		0		3,327.63	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	23		0		102.48	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_03 From confluence with Indian Creek to Hwy 353 (New Laredo Hwy)

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
Acute Toxic Substances in water	Aldrin	12/1/2003	11/30/2010	1		0		3.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	1		0		2.40	ID	NA	☐	NA		
Acute Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2003	11/30/2010	1		0		0.08	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	23		0		1,255.37	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	16		0		47.74	AD	FS	☐	FS		
Acute Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	1		0		2.50	ID	NA	☐	NA		
Acute Toxic Substances in water	Endrin	12/1/2003	11/30/2010	1		0		0.18	ID	NA	☐	NA		
Acute Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	1		0		0.52	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	23		0		262.70	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	23		0		360.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Parathion	12/1/2003	11/30/2010	1	0.01	0		0.01	ID	NA	☐	NA		
Chronic Toxic Substances in water	Phenanthrene	12/1/2003	11/30/2010	1	2.66	0		30.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	18	0.15	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	18	2.92	0		229.46	AD	FS	☐	FS		
Chronic Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	1	2.66	0		64.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	1	0.03	0		0.08	ID	NA	☐	NA		
Chronic Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	DDT	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Dicofol (Kelthane)	12/1/2003	11/30/2010	1	0.52	0		19.80	ID	NA	☐	NA		
Chronic Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	1	0.03	0		0.06	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_03 From confluence with Indian Creek to Hwy 353 (New Laredo Hwy)

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	Endosulfan 2 (beta)	12/1/2003	11/30/2010	1	0.03	0		0.06	ID	NA	☐	NA		
Chronic Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	1	3.19	0		7.74	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	18	2.75	0		344.72	AD	FS	☐	FS		
Chronic Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	1	0.03	0		0.06	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2003	11/30/2010	1	0.02	0		0.04	ID	NA	☐	NA		
Chronic Toxic Substances in water	Mirex	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Guthion	12/1/2003	11/30/2010	1	0.01	0		0.01	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	18	2.70	0		190.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	18	2.00	0		380.70	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	15	1.45	0		27.15	AD	FS	☐	FS		
Chronic Toxic Substances in water	Demeton	12/1/2003	11/30/2010	1	0.05	0		0.10	ID	NA	☐	NA		
Chronic Toxic Substances in water	Endrin	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	18	0.31	0		8.21	AD	FS	☐	FS		
Chronic Toxic Substances in water	Malathion	12/1/2003	11/30/2010	1	0.01	0		0.01	ID	NA	☐	NA		
Chronic Toxic Substances in water	Methoxychlor	12/1/2003	11/30/2010	1	0.02	0		0.03	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	18	0.18	0		2.14	AD	FS	☐	FS		
Toxic Substances in sediment	Chromium	12/1/2003	11/30/2010	11		1	112	111.00	AD	NC	☐	NC		
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	10		0		1.06	AD	NC	☐	NC		
Toxic Substances in sediment	Iron	12/1/2003	11/30/2010	11		0		40,000.00	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_03 From confluence with Indian Creek to Hwy 353 (New Laredo Hwy)

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	Zinc	12/1/2003	11/30/2010	11		0		459.00	AD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	11		1	2.53	2.20	AD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	11		0		48.60	AD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2003	11/30/2010	11		0		1,100.00	AD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	11		0		149.00	AD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	11		0		4.98	AD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2003	11/30/2010	11		0		33.00	AD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	11		0		128.00	AD	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	2/23/2004	10/4/2010	25	80.84	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	2/23/2004	10/4/2010	28		0		35.00	AD	FS	☐	FS		
High pH	pH	2/23/2004	10/4/2010	26		0		9.00	AD	FS	☐	FS		
Low pH	pH	2/23/2004	10/4/2010	26		1	6.3	6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	204	526.86			700.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	115	54.35			120.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	117	81.39			120.00	AD	FS	☐	FS		
Nutrient Screening Levels	Orthophosphorus	2/23/2004	10/4/2010	29		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	2/23/2004	10/4/2010	29		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	2/23/2004	10/4/2010	27		0		1.95	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_03 From confluence with Indian Creek to Hwy 353 (New Laredo Hwy)

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	2/23/2004	4/26/2010	27		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	2/23/2004	10/4/2010	29		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
DSHS Advisories, Closures, and Risk Assessments	Restricted and No-Consumption	12/1/2003	11/30/2010						OE	NS	☑	NS	PCBs in edible tissue	5a
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☑	NS	PCBs in edible tissue	5a
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	1	1.60	0		3.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	1	2.50	0		70.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	DDE	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	1	0.13	0		0.25	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	1	2.50	0		200.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	2	0.33	0		0.65	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	1	10.00	0		13,932.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Nitrobenzene	12/1/2003	11/30/2010	2	2.63	0		11.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	1	2.50	0		700.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	1	2.50	0		7.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bromoform	12/1/2003	11/30/2010	1	2.50	0		69.10	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_03 From confluence with Indian Creek to Hwy 353 (New Laredo Hwy)

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	1,2-Dibromoethane	12/1/2003	11/30/2010	1	0.08	0		0.16	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorophene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	N-Nitrosodiethylamine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	2	0.06	0		0.12	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Pentachlorobenzene	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Silvex	12/1/2003	11/30/2010	2	0.25	0		7.30	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Pyridine	12/1/2003	11/30/2010	2	2.63	0		23.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	2	0.15	0		0.30	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		473.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	o-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		600.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	2,4-Dimethylphenol	12/1/2003	11/30/2010	2	2.63	0		257.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2003	11/30/2010	1	2.50	0		100.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Cresols	12/1/2003	11/30/2010	2	5.25	0		736.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	34	2.00	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	1	2.05	0		4.10	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzidine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzo(a)anthracene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzo(a)pyrene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_03 From confluence with Indian Creek to Hwy 353 (New Laredo Hwy)

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	Chrysene	12/1/2003	11/30/2010	2	2.63	0		68.13	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	1	0.40	0		0.80	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	DDD	12/1/2003	11/30/2010	2	0.01	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Endrin	12/1/2003	11/30/2010	2	0.03	0		0.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dicofol (Kelthane)	12/1/2003	11/30/2010	2	0.04	0		0.08	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2003	11/30/2010	1	2.50	0		10.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	33	0.18	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	2	2.63	0		6.50	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	2	2.63	0		1,194.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	DDT	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Di-n-butyl phthalate	12/1/2003	11/30/2010	2	2.63	0		1,318.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	2	0.03	0		0.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Methoxychlor	12/1/2003	11/30/2010	2	0.03	0		0.33	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_03 From confluence with Indian Creek to Hwy 353 (New Laredo Hwy)

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	33	0.27	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2003	11/30/2010	2	2.63	0		27.00	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	Chloroform	12/1/2003	11/30/2010	1	2.50	0		70.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chlorobenzene	12/1/2003	11/30/2010	1	2.50	0		100.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Toluene	12/1/2003	11/30/2010	1	2.50	0		1,000.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Vinyl chloride	12/1/2003	11/30/2010	1	0.13	0		0.25	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1,2-Trichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1,1-Trichloroethane	12/1/2003	11/30/2010	1	2.50	0		200.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Bromoform	12/1/2003	11/30/2010	1	2.50	0		69.10	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	DDE	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Tetrachloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	1	1.60	0		3.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrobenzene	12/1/2003	11/30/2010	2	2.63	0		11.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Ethylbenzene	12/1/2003	11/30/2010	1	2.50	0		700.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,2-Dichloropropane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,2-Dichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	2	0.33	0		0.65	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	2,4-Dimethylphenol	12/1/2003	11/30/2010	2	2.63	0		257.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1-Dichloroethylene	12/1/2003	11/30/2010	1	2.50	0		7.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_03 From confluence with Indian Creek to Hwy 353 (New Laredo Hwy)

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	Trihalomethane	12/1/2003	11/30/2010	1	2.50	0		80.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Bis(2-ethylhexyl)phthalate	12/1/2003	11/30/2010	2	2.63	0		6.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorocyclopentadiene	12/1/2003	11/30/2010	2	5.25	0		50.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	101	0.98	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Dichloromethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Carbon tetrachloride	12/1/2003	11/30/2010	1	2.05	0		4.10	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		473.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	o-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		600.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Pyridine	12/1/2003	11/30/2010	2	2.63	0		23.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,2-Dibromoethane	12/1/2003	11/30/2010	1	0.08	0		0.16	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Silvex	12/1/2003	11/30/2010	2	0.25	0		7.30	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Pentachlorobenzene	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	2	0.06	0		0.12	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	N-Nitrosodiethylamine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Methyl ethyl ketone	12/1/2003	11/30/2010	1	10.00	0		13,932.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorophene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Cresols	12/1/2003	11/30/2010	2	5.25	0		736.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	2	0.15	0		0.30	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Benzo(a)anthracene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Bromodichloromethane	12/1/2003	11/30/2010	1	2.50	0		10.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Endrin	12/1/2003	11/30/2010	2	0.03	0		0.20	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_03 From confluence with Indian Creek to Hwy 353 (New Laredo Hwy)

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	Trichloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	DDD	12/1/2003	11/30/2010	2	0.01	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chrysene	12/1/2003	11/30/2010	2	2.63	0		68.13	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chlordane	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Heptachlor	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Benzo(a)pyrene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	55	0.18	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzidine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	33	2.31	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Anthracene	12/1/2003	11/30/2010	2	2.63	0		5,569.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Aldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Acrylonitrile	12/1/2003	11/30/2010	1	0.40	0		0.80	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	2,4-D	12/1/2003	11/30/2010	2	0.25	0		70.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	33	0.18	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Toxaphene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Benzene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	2	2.63	0		1,194.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Dicofol (Kelthane)	12/1/2003	11/30/2010	2	0.04	0		0.08	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Dieldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Di-n-butyl phthalate	12/1/2003	11/30/2010	2	2.63	0		1,318.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1906_03** From confluence with Indian Creek to Hwy 353 (New Laredo Hwy)

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	Heptachlor epoxide	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	gamma-BHC (Lindane)	12/1/2003	11/30/2010	2	0.03	0		0.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		75.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	35	0.16	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Methoxychlor	12/1/2003	11/30/2010	2	0.03	0		0.33	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	33	0.27	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2003	11/30/2010	2	2.63	0		27.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	2	2.63	0		6.50	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	DDT	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water Toxic Substances average concern	Atrazine	12/1/2003	11/30/2010	2	1.50	0		3.00	ID	NA	☐	NA		
Surface Water Toxic Substances average concern	MTBE	12/1/2003	11/30/2010	1	2.50	0		240.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_04 — From Hwy 353 (New Laredo Hwy) to two 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 minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	22		0		3.00	AD	NS	☑	NS	depressed dissolved oxygen	5a
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	10		1	4.1	5.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	10		2	2.7	3.00	AD	CN	☐	CN	depressed dissolved oxygen	
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	2		0		676.00	ID	NA	☐	NA		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	0					ID	NA	☑	NA	silver in sediment	

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	110.18	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	22		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	22		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	22		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	117	81.39			120.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	204	526.86			700.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	115	54.35			120.00	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
DSHS Advisories, Closures, and Risk Assessments	Restricted and No-Consumption	12/1/2003	11/30/2010						OE	NS	☑	NS	PCBs in edible tissue	5a
DSHS Advisories, Closures, and Risk Assessments	Restricted and No-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	PCBs in edible tissue	5a
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_04 From Hwy 353 (New Laredo Hwy) to two miles 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
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	DDE	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	1	2.50	0		200.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bromoform	12/1/2003	11/30/2010	1	2.50	0		69.10	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	1	1.60	0		3.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Nitrobenzene	12/1/2003	11/30/2010	2	2.63	0		11.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	1	2.50	0		700.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	1	2.50	0		7.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	N-Nitrosodiethylamine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2003	11/30/2010	1	2.50	0		100.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Pentachlorobenzene	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	2,4-Dimethylphenol	12/1/2003	11/30/2010	2	2.63	0		257.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	o-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		600.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		473.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	2	0.15	0		0.30	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorophene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Silvex	12/1/2003	11/30/2010	2	0.25	0		7.30	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	2	0.33	0		0.65	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	2	0.06	0		0.12	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_04 From Hwy 353 (New Laredo Hwy) to two miles 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
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	1	0.13	0		0.25	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	1	10.00	0		13,932.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	1	2.05	0		4.10	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Cresols	12/1/2003	11/30/2010	2	5.25	0		736.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	1	0.08	0		0.16	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Pyridine	12/1/2003	11/30/2010	2	2.63	0		23.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	1	2.50	0		70.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2003	11/30/2010	1	2.50	0		10.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	1	0.40	0		0.80	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzidine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzo(a)anthracene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	33	0.18	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	34	2.00	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chrysene	12/1/2003	11/30/2010	2	2.63	0		68.13	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	DDD	12/1/2003	11/30/2010	2	0.01	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Endrin	12/1/2003	11/30/2010	2	0.03	0		0.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		

AUID 1906_04 From Hwy 353 (New Laredo Hwy) to two miles 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
HH Bioaccumulative Toxics in water	Di-n-butyl phthalate	12/1/2003	11/30/2010	2	2.63	0		1,318.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzo(a)pyrene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	DDT	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	2	2.63	0		1,194.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	2	0.03	0		0.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Methoxychlor	12/1/2003	11/30/2010	2	0.03	0		0.33	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	33	0.27	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2003	11/30/2010	2	2.63	0		27.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	2	2.63	0		6.50	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dicofol (Kelthane)	12/1/2003	11/30/2010	2	0.04	0		0.08	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	Vinyl chloride	12/1/2003	11/30/2010	1	0.13	0		0.25	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1,2-Trichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrobenzene	12/1/2003	11/30/2010	2	2.63	0		11.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1,1-Trichloroethane	12/1/2003	11/30/2010	1	2.50	0		200.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_04 From Hwy 353 (New Laredo Hwy) to two 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	Bromoform	12/1/2003	11/30/2010	1	2.50	0		69.10	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Toluene	12/1/2003	11/30/2010	1	2.50	0		1,000.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Tetrachloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	1	1.60	0		3.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Ethylbenzene	12/1/2003	11/30/2010	1	2.50	0		700.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,2-Dichloropropane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Carbon tetrachloride	12/1/2003	11/30/2010	1	2.05	0		4.10	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1-Dichloroethylene	12/1/2003	11/30/2010	1	2.50	0		7.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,2-Dichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chlorobenzene	12/1/2003	11/30/2010	1	2.50	0		100.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	DDE	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	2,4-Dimethylphenol	12/1/2003	11/30/2010	2	2.63	0		257.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Bis(2-ethylhexyl)phthalate	12/1/2003	11/30/2010	2	2.63	0		6.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Pentachlorobenzene	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	DDT	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorocyclopentadiene	12/1/2003	11/30/2010	2	5.25	0		50.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Dichloromethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		473.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	2	0.15	0		0.30	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Pyridine	12/1/2003	11/30/2010	2	2.63	0		23.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	o-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		600.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_04 — From Hwy 353 (New Laredo Hwy) to two 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	Silvex	12/1/2003	11/30/2010	2	0.25	0		7.30	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chloroform	12/1/2003	11/30/2010	1	2.50	0		70.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	2	0.06	0		0.12	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	N-Nitrosodiethylamine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Methyl ethyl ketone	12/1/2003	11/30/2010	1	10.00	0		13,932.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorophene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Cresols	12/1/2003	11/30/2010	2	5.25	0		736.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,2-Dibromoethane	12/1/2003	11/30/2010	1	0.08	0		0.16	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	2	0.33	0		0.65	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Trihalomethane	12/1/2003	11/30/2010	1	2.50	0		80.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	55	0.18	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Endrin	12/1/2003	11/30/2010	2	0.03	0		0.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Dieldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	DDD	12/1/2003	11/30/2010	2	0.01	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chrysene	12/1/2003	11/30/2010	2	2.63	0		68.13	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chlordane	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Heptachlor	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Benzo(a)anthracene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Benzo(a)pyrene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	33	2.31	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_04 — From Hwy 353 (New Laredo Hwy) to two 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	Anthracene	12/1/2003	11/30/2010	2	2.63	0		5,569.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Aldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Acrylonitrile	12/1/2003	11/30/2010	1	0.40	0		0.80	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	2,4-D	12/1/2003	11/30/2010	2	0.25	0		70.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Bromodichloromethane	12/1/2003	11/30/2010	1	2.50	0		10.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	33	0.18	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzidine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Benzene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	2	2.63	0		1,194.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Dicofol (Kelthane)	12/1/2003	11/30/2010	2	0.04	0		0.08	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Di-n-butyl phthalate	12/1/2003	11/30/2010	2	2.63	0		1,318.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Toxaphene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	gamma-BHC (Lindane)	12/1/2003	11/30/2010	2	0.03	0		0.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Heptachlor epoxide	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Trichloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	35	0.16	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	101	0.98	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Methoxychlor	12/1/2003	11/30/2010	2	0.03	0		0.33	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	33	0.27	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2003	11/30/2010	2	2.63	0		27.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	2	2.63	0		6.50	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1906_04** From Hwy 353 (New Laredo Hwy) to two 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	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		75.00	ID	NA	☐	NA		
Surface Water Toxic Substances average concern	Atrazine	12/1/2003	11/30/2010	2	1.50	0		3.00	ID	NA	☐	NA		
Surface Water Toxic Substances average concern	MTBE	12/1/2003	11/30/2010	1	2.50	0		240.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_05 From 2 miles upstream of Hwy 353 to Hwy 90

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	2/23/2004	11/30/2010	34		4	4.41	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	2/23/2004	11/30/2010	34		0		3.00	AD	FS	☐	FS	depressed dissolved oxygen	
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	7/29/2002	11/30/2010	11		2	4.75	5.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	7/29/2002	11/30/2010	11		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	1		0		0.22	ID	NA	☐	NA		
Acute Toxic Substances in water	Phenanthrene	12/1/2003	11/30/2010	1		0		30.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	24		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	23		0		256.94	AD	FS	☐	FS		
Acute Toxic Substances in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	1		0		2.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	1		0		0.78	ID	NA	☐	NA		
Acute Toxic Substances in water	DDT	12/1/2003	11/30/2010	1		0		1.10	ID	NA	☐	NA		
Acute Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	1		0		0.22	ID	NA	☐	NA		
Acute Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	1		0		0.22	ID	NA	☐	NA		
Acute Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	1		0		13.56	ID	NA	☐	NA		
Acute Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	1		0		136.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	22		0		244.63	AD	FS	☐	FS		
Acute Toxic Substances in water	Dicofol (Kelthane)	12/1/2003	11/30/2010	1		0		59.30	ID	NA	☐	NA		
Acute Toxic Substances in water	Carbaryl (Sevin)	12/1/2003	11/30/2010	1		0		2.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Parathion	12/1/2003	11/30/2010	1		0		0.07	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	23		0		991.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	22		0		96.21	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_05 From 2 miles upstream of Hwy 353 to Hwy 90

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
Acute Toxic Substances in water	Aldrin	12/1/2003	11/30/2010	1		0		3.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	1		0		2.40	ID	NA	☐	NA		
Acute Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2003	11/30/2010	1		0		0.08	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	23		0		1,199.11	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	15		0		45.29	AD	FS	☐	FS		
Acute Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	1		0		2.50	ID	NA	☐	NA		
Acute Toxic Substances in water	Endrin	12/1/2003	11/30/2010	1		0		0.18	ID	NA	☐	NA		
Acute Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	1		0		0.52	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	23		0		3,173.70	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	22		0		360.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	23	2.93	0		344.72	AD	FS	☐	FS		
Chronic Toxic Substances in water	Parathion	12/1/2003	11/30/2010	1	0.01	0		0.01	ID	NA	☐	NA		
Chronic Toxic Substances in water	Phenanthrene	12/1/2003	11/30/2010	1	2.61	0		30.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	24	0.15	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	1	0.03	0		0.08	ID	NA	☐	NA		
Chronic Toxic Substances in water	DDT	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Dicofol (Kelthane)	12/1/2003	11/30/2010	1	0.53	0		19.80	ID	NA	☐	NA		
Chronic Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	1	0.03	0		0.06	ID	NA	☐	NA		
Chronic Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	1	0.03	0		0.06	ID	NA	☐	NA		
Chronic Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	1	3.13	0		7.74	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_05 From 2 miles upstream of Hwy 353 to Hwy 90

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	Malathion	12/1/2003	11/30/2010	1	0.01	0		0.01	ID	NA	☐	NA		
Chronic Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	1	2.61	0		64.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	1	0.03	0		0.06	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	23	2.00	0		380.70	AD	FS	☐	FS		
Chronic Toxic Substances in water	Mirex	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Methoxychlor	12/1/2003	11/30/2010	1	0.02	0		0.03	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	22	0.17	0		2.14	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2003	11/30/2010	1	0.02	0		0.04	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	22	2.63	0		190.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	15	1.53	0		27.15	AD	FS	☐	FS		
Chronic Toxic Substances in water	Demeton	12/1/2003	11/30/2010	1	0.05	0		0.10	ID	NA	☐	NA		
Chronic Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Endrin	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Guthion	12/1/2003	11/30/2010	1	0.01	0		0.01	ID	NA	☐	NA		
Chronic Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	22	0.25	0		8.21	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	10		0		1.06	AD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	10		0		459.00	AD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2000	11/30/2010	13		10	6.87	2.20	AD	CS	☐	CS	silver in sediment	
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	1		0		676.00	ID	NA	☐	NA		

AUID 1906_05 — From 2 miles upstream of Hwy 353 to Hwy 90

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	Nickel	12/1/2000	11/30/2010	13		4	51.88	48.60	AD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2003	11/30/2010	10		0		1,100.00	AD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	10		3	135.33	128.00	AD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	10		0		149.00	AD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2000	11/30/2010	13		2	135.5	111.00	AD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	10		3	6.36	4.98	AD	NC	☐	CS	cadmium in sediment	
Toxic Substances in sediment	Iron	12/1/2003	11/30/2010	10		0		40,000.00	AD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2003	11/30/2010	10		0		33.00	AD	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	28	71.99	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	2/23/2004	11/30/2010	32		0		35.00	AD	FS	☐	FS		
High pH	pH	2/23/2004	11/30/2010	34		0		9.00	AD	FS	☐	FS		
Low pH	pH	2/23/2004	11/30/2010	32		2	6.35	6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	204	526.86			700.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	115	54.35			120.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	117	81.39			120.00	AD	FS	☐	FS		
Enterococci (1006, 1007) geometric mean	Zinc	12/1/2003	11/30/2010	23	2.09	0		229.46	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	26		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	28		0		0.37	AD	NC	☐	NC		

AUID 1906_05 — From 2 miles upstream of Hwy 353 to Hwy 90

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	28		0		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	Chlorophyll-a	12/1/2003	11/30/2010	28		4	29.95	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
DSHS Advisories, Closures, and Risk Assessments	Restricted and No-Consumption	12/1/2003	11/30/2010						OE	NS	☑	NS	PCBs in edible tissue	5a
DSHS Advisories, Closures, and Risk Assessments	Restricted and No-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	PCBs in edible tissue	5a
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	1	2.50	0		70.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	1	2.50	0		7.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	1	2.50	0		700.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Nitrobenzene	12/1/2003	11/30/2010	2	2.63	0		11.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	1	1.60	0		3.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Pentachlorobenzene	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	1	2.50	0		200.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2003	11/30/2010	1	2.50	0		100.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	1	0.13	0		0.25	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	DDE	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bromoform	12/1/2003	11/30/2010	1	2.50	0		69.10	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_05 From 2 miles upstream of Hwy 353 to Hwy 90

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	2,4-Dimethylphenol	12/1/2003	11/30/2010	2	2.63	0		257.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	o-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		600.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		473.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	2	0.15	0		0.30	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	N-Nitrosodiethylamine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Silvex	12/1/2003	11/30/2010	2	0.25	0		7.30	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	2	0.33	0		0.65	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	2	0.06	0		0.12	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	1	2.05	0		4.10	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	1	10.00	0		13,932.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorophene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Cresols	12/1/2003	11/30/2010	2	5.25	0		736.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	1	0.08	0		0.16	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Pyridine	12/1/2003	11/30/2010	2	2.63	0		23.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2003	11/30/2010	1	2.50	0		10.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	1	0.40	0		0.80	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzidine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_05 From 2 miles upstream of Hwy 353 to Hwy 90

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	Benzo(a)anthracene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	33	0.18	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	34	2.00	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chrysene	12/1/2003	11/30/2010	2	2.63	0		68.13	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	DDD	12/1/2003	11/30/2010	2	0.01	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Endrin	12/1/2003	11/30/2010	2	0.03	0		0.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Di-n-butyl phthalate	12/1/2003	11/30/2010	2	2.63	0		1,318.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzo(a)pyrene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	DDT	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	2	2.63	0		1,194.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	2	0.03	0		0.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Methoxychlor	12/1/2003	11/30/2010	2	0.03	0		0.33	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	33	0.27	0		1.15	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_05 — From 2 miles upstream of Hwy 353 to Hwy 90

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	Hexachloroethane	12/1/2003	11/30/2010	2	2.63	0		27.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	2	2.63	0		6.50	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dicofol (Kelthane)	12/1/2003	11/30/2010	2	0.04	0		0.08	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	DDE	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Vinyl chloride	12/1/2003	11/30/2010	1	0.13	0		0.25	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	1	1.60	0		3.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1,2-Trichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Toluene	12/1/2003	11/30/2010	1	2.50	0		1,000.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Bromoform	12/1/2003	11/30/2010	1	2.50	0		69.10	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Bis(2-ethylhexyl)phthalate	12/1/2003	11/30/2010	2	2.63	0		6.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Tetrachloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrobenzene	12/1/2003	11/30/2010	2	2.63	0		11.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Ethylbenzene	12/1/2003	11/30/2010	1	2.50	0		700.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,2-Dichloropropane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1-Dichloroethylene	12/1/2003	11/30/2010	1	2.50	0		7.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chlorobenzene	12/1/2003	11/30/2010	1	2.50	0		100.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Carbon tetrachloride	12/1/2003	11/30/2010	1	2.05	0		4.10	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chloroform	12/1/2003	11/30/2010	1	2.50	0		70.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	2,4-Dimethylphenol	12/1/2003	11/30/2010	2	2.63	0		257.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_05 — From 2 miles upstream of Hwy 353 to Hwy 90

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	1,2-Dichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Pentachlorobenzene	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Bromodichloromethane	12/1/2003	11/30/2010	1	2.50	0		10.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorocyclopentadiene	12/1/2003	11/30/2010	2	5.25	0		50.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Dichloromethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		473.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	2	0.15	0		0.30	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Pyridine	12/1/2003	11/30/2010	2	2.63	0		23.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	o-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		600.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Silvex	12/1/2003	11/30/2010	2	0.25	0		7.30	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	2	0.33	0		0.65	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	2	0.06	0		0.12	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	N-Nitrosodiethylamine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Methyl ethyl ketone	12/1/2003	11/30/2010	1	10.00	0		13,932.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorophene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Cresols	12/1/2003	11/30/2010	2	5.25	0		736.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,2-Dibromoethane	12/1/2003	11/30/2010	1	0.08	0		0.16	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Trihalomethane	12/1/2003	11/30/2010	1	2.50	0		80.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Benzidine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	55	0.18	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Dieldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_05 — From 2 miles upstream of Hwy 353 to Hwy 90

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	Benzene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chrysene	12/1/2003	11/30/2010	2	2.63	0		68.13	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chlordane	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	33	0.18	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Heptachlor	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Benzo(a)anthracene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Endrin	12/1/2003	11/30/2010	2	0.03	0		0.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	33	2.31	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Anthracene	12/1/2003	11/30/2010	2	2.63	0		5,569.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Aldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Acrylonitrile	12/1/2003	11/30/2010	1	0.40	0		0.80	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	2,4-D	12/1/2003	11/30/2010	2	0.25	0		70.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1,1-Trichloroethane	12/1/2003	11/30/2010	1	2.50	0		200.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Benzo(a)pyrene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Toxaphene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	2	2.63	0		1,194.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Dicofol (Kelthane)	12/1/2003	11/30/2010	2	0.04	0		0.08	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	DDD	12/1/2003	11/30/2010	2	0.01	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Di-n-butyl phthalate	12/1/2003	11/30/2010	2	2.63	0		1,318.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Heptachlor epoxide	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1906_05** From 2 miles upstream of Hwy 353 to Hwy 90

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	gamma-BHC (Lindane)	12/1/2003	11/30/2010	2	0.03	0		0.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		75.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	2	2.63	0		6.50	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	DDT	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Trichloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2003	11/30/2010	2	2.63	0		27.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	33	0.27	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Methoxychlor	12/1/2003	11/30/2010	2	0.03	0		0.33	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	101	0.98	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	35	0.16	0		50.00	AD	FS	☐	FS		
Surface Water Toxic Substances average concern	MTBE	12/1/2003	11/30/2010	1	2.50	0		240.00	ID	NA	☐	NA		
Surface Water Toxic Substances average concern	Atrazine	12/1/2003	11/30/2010	2	1.50	0		3.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_06 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	18		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	18		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		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	0					ID	NA	☑	CS	silver in sediment	
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	2		0		676.00	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	15	69.95	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	18		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	18		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	18		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	204	526.86			700.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	115	54.35			120.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	117	81.39			120.00	AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	13		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	Orthophosphorus	12/1/2003	11/30/2010	13		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	12		1	2.47	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	13		5	18.56	14.10	AD	CS	☐	CS	chlorophyll-a	

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_06 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
DSHS Advisories, Closures, and Risk Assessments	Restricted and No-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	PCBs in edible tissue	5a
DSHS Advisories, Closures, and Risk Assessments	Restricted and No-Consumption	12/1/2003	11/30/2010						OE	NS	☑	NS	PCBs in edible tissue	5a
HH Bioaccumulative Toxics in water	Bromoform	12/1/2003	11/30/2010	1	2.50	0		69.10	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	DDE	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	1	0.13	0		0.25	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	1	2.50	0		200.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	1	2.50	0		70.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	1	1.60	0		3.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Nitrobenzene	12/1/2003	11/30/2010	2	2.63	0		11.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	1	2.50	0		700.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	2	0.33	0		0.65	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	1	2.50	0		7.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Silvex	12/1/2003	11/30/2010	2	0.25	0		7.30	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	1	0.08	0		0.16	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Cresols	12/1/2003	11/30/2010	2	5.25	0		736.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorophene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	1	10.00	0		13,932.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_06 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
HH Bioaccumulative Toxics in water	N-Nitrosodiethylamine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Pentachlorobenzene	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Pyridine	12/1/2003	11/30/2010	2	2.63	0		23.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	2	0.15	0		0.30	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		473.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	o-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		600.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	2,4-Dimethylphenol	12/1/2003	11/30/2010	2	2.63	0		257.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	33	0.27	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2003	11/30/2010	1	2.50	0		100.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	2	0.06	0		0.12	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	34	2.00	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	1	2.05	0		4.10	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	1	0.40	0		0.80	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzidine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzo(a)anthracene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzo(a)pyrene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chrysene	12/1/2003	11/30/2010	2	2.63	0		68.13	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_06 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
HH Bioaccumulative Toxics in water	DDD	12/1/2003	11/30/2010	2	0.01	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Endrin	12/1/2003	11/30/2010	2	0.03	0		0.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	2	2.63	0		1,194.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2003	11/30/2010	1	2.50	0		10.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	33	0.18	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dicofol (Kelthane)	12/1/2003	11/30/2010	2	0.04	0		0.08	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	DDT	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Di-n-butyl phthalate	12/1/2003	11/30/2010	2	2.63	0		1,318.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	2	0.03	0		0.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Methoxychlor	12/1/2003	11/30/2010	2	0.03	0		0.33	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2003	11/30/2010	2	2.63	0		27.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	2	2.63	0		6.50	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_06 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	Ethylbenzene	12/1/2003	11/30/2010	1	2.50	0		700.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chloroform	12/1/2003	11/30/2010	1	2.50	0		70.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	DDE	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Vinyl chloride	12/1/2003	11/30/2010	1	0.13	0		0.25	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1,2-Trichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1,1-Trichloroethane	12/1/2003	11/30/2010	1	2.50	0		200.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Bromoform	12/1/2003	11/30/2010	1	2.50	0		69.10	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Toluene	12/1/2003	11/30/2010	1	2.50	0		1,000.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Tetrachloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1-Dichloroethylene	12/1/2003	11/30/2010	1	2.50	0		7.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrobenzene	12/1/2003	11/30/2010	2	2.63	0		11.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	2	0.33	0		0.65	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,2-Dichloropropane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,2-Dichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chlorobenzene	12/1/2003	11/30/2010	1	2.50	0		100.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	2,4-Dimethylphenol	12/1/2003	11/30/2010	2	2.63	0		257.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	1	1.60	0		3.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Trihalomethane	12/1/2003	11/30/2010	1	2.50	0		80.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Carbon tetrachloride	12/1/2003	11/30/2010	1	2.05	0		4.10	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Acrylonitrile	12/1/2003	11/30/2010	1	0.40	0		0.80	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorocyclopentadiene	12/1/2003	11/30/2010	2	5.25	0		50.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_06 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	Bis(2-ethylhexyl)phthalate	12/1/2003	11/30/2010	2	2.63	0		6.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	o-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		600.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		473.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Dichloromethane	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Pyridine	12/1/2003	11/30/2010	2	2.63	0		23.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,2-Dibromoethane	12/1/2003	11/30/2010	1	0.08	0		0.16	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Silvex	12/1/2003	11/30/2010	2	0.25	0		7.30	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Pentachlorobenzene	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	2	0.06	0		0.12	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	N-Nitrosodiethylamine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Methyl ethyl ketone	12/1/2003	11/30/2010	1	10.00	0		13,932.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorophene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Cresols	12/1/2003	11/30/2010	2	5.25	0		736.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	2	0.15	0		0.30	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Benzo(a)anthracene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Heptachlor epoxide	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	55	0.18	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Dieldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	DDD	12/1/2003	11/30/2010	2	0.01	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chrysene	12/1/2003	11/30/2010	2	2.63	0		68.13	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chlordane	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1906_06 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	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Benzo(a)pyrene	12/1/2003	11/30/2010	2	0.03	0		0.07	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Heptachlor	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Benzidine	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	33	2.31	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Aldrin	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	2,4-D	12/1/2003	11/30/2010	2	0.25	0		70.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Anthracene	12/1/2003	11/30/2010	2	2.63	0		5,569.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Bromodichloromethane	12/1/2003	11/30/2010	1	2.50	0		10.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	33	0.18	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	gamma-BHC (Lindane)	12/1/2003	11/30/2010	2	0.03	0		0.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Benzene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	2	2.63	0		1,194.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	2	0.50	0		1.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Dicofol (Kelthane)	12/1/2003	11/30/2010	2	0.04	0		0.08	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	DDT	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Endrin	12/1/2003	11/30/2010	2	0.03	0		0.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Toxaphene	12/1/2003	11/30/2010	2	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	2	2.63	0		6.50	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2003	11/30/2010	2	2.63	0		75.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Trichloroethene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1906_06** 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	Selenium	12/1/2003	11/30/2010	35	0.16	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	101	0.98	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Methoxychlor	12/1/2003	11/30/2010	2	0.03	0		0.33	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	33	0.27	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2003	11/30/2010	2	2.63	0		27.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Di-n-butyl phthalate	12/1/2003	11/30/2010	2	2.63	0		1,318.00	ID	NA	☐	NA		
Surface Water Toxic Substances average concern	Atrazine	12/1/2003	11/30/2010	2	1.50	0		3.00	ID	NA	☐	NA		
Surface Water Toxic Substances average concern	MTBE	12/1/2003	11/30/2010	1	2.50	0		240.00	ID	NA	☐	NA		

SEGID 1906A Helotes Creek (unclassified water body)

AUID 1906A_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
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	1		0		28.51	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	1		0		760.70	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	1		0		61.45	ID	NA	☐	NA		
Acute Toxic Substances in water	Mercury	12/1/2003	11/30/2010	1		0		2.40	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	1		0		300.82	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	1		0		14.32	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	Copper	12/1/2003	11/30/2010	1		0		9.23	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	1	2.40	0		188.02	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	1	0.02	0		1.78	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	1	0.40	0		314.03	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	1	1.60	0		22.21	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	1	0.16	0		6.09	ID	NA	☐	NA		
Chronic Toxic Substances in water	Mercury	12/1/2003	11/30/2010	1	0.01	0		1.30	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	1	1.07	0		282.55	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	Total Phosphorus	12/1/2003	11/30/2010	1		0		0.69	ID	NA	☐	NA		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	1		0		0.33	ID	NA	☐	NA		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	1		0		1.95	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1906A_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	Orthophosphorus	12/1/2003	11/30/2010	1		0		0.37	ID	NA	☐	NA		

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	0.40	0		502.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	1	0.16	0		3.83	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Mercury	12/1/2003	11/30/2010	1	0.01	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	1	0.15	0		1,071.00	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

SEGID 1907 Upper Leon Creek

AUID 1907_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		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	10		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	9	29.10	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	10		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	10		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	10		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	11	435.95	0		550.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	10	34.40	0		55.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	10	42.90	0		240.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	10		2	2.27	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	10		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	10		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	10		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	9		1	20.3	14.10	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1907_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 HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	10	0.15	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	10	0.95	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

SEGID 1908 Upper Cibolo Creek

AUID 1908_01 From confluence. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne

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	62		12	4.13	5.00	SM	CS	☑	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	62		2	2.45	3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2000	11/30/2010	20		0		5.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2000	11/30/2010	20		0		3.00	AD	FS	☐	FS		
Habitat	Habitat	12/1/2003	11/30/2010	6	22.80	1	19	20.00	AD	NC	☐	NC		
Macrobenthic Community	Macrobenthic Community	12/1/2003	11/30/2010	6	39.00	0		29.00	AD	FS	☐	FS		
Fish Community	Fish Community	12/1/2003	11/30/2010	6	51.00	0		42.00	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	73.19	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	62		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	60		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	60		2	5.95	6.50	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	68	55.82	1		50.00	AD	NS	☐	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	33	43.32	0		100.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	70	447.16	0		600.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	59		4	4.56	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	59		36	1.72	0.37	AD	CS	☑	CS	orthophosphorus	

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1908_01** From confluence. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne

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	65		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	59		31	2.07	0.69	AD	CS	☑	CS	total phosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	62		4	28.75	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 HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	27	0.26	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	53	0.70	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1908_02 — From approx. 2 mi. upstream of Hwy 87 in Boerne 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	2		0		5.00	ID	NA	☐	NA		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	2		0		3.00	ID	NA	☐	NA		
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		
Habitat	Habitat	12/1/2003	11/30/2010	0	16.00	0		20.00	ID	NA	☑	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 Single Sample	E. coli	12/1/2001	11/30/2008	14		8	1924.31	394.00	SM	NS	☐	NA	bacteria	5c
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	3	78.51	0		126.00	ID	NA	☑	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	3		0		32.20	ID	NA	☐	NA		
High pH	pH	12/1/2003	11/30/2010	3		0		9.00	ID	NA	☐	NA		
Low pH	pH	12/1/2003	11/30/2010	3		0		6.50	ID	NA	☐	NA		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	70	447.16	0		600.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	68	55.82	1		50.00	AD	NS	☐	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	33	43.32	0		100.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	3		0		1.95	ID	NA	☐	NA		
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	3		0		0.33	ID	NA	☐	NA		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	3		0		0.69	ID	NA	☐	NA		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	3		0		14.10	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1908_02 — From approx. 2 mi. upstream of Hwy 87 in Boerne 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 HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	27	0.26	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	53	0.70	0		10.00	AD	FS	☐	FS		

AUID 1908_03 — Lower 43 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	Chloride	12/1/2003	11/30/2010	68	55.82	1		50.00	AD	NS	☐	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	33	43.32	0		100.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	70	447.16	0		600.00	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	Fluoride	12/1/2003	11/30/2010	27	0.26	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	53	0.70	0		10.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

SEGID 1909 Medina Diversion Lake

AUID 1909_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	14		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	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	12	7.58	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	14		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	14		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	14		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	16	41.75	0		75.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	16	259.37	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	15	10.60	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	15		0		26.70	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	16		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	16		0		0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	16		5	0.63	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	16		0		0.05	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1909_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 HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	16	0.16	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	16	0.33	0		10.00	AD	FS	☐	FS		

SEGID 1910 Salado Creek

AUID 1910_01 From confluence with San Antonio River to confluence with Rosillo 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	104		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	104		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2000	11/30/2010	11		0		5.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2000	11/30/2010	11		0		3.00	AD	FS	☐	FS		
Habitat	Habitat	12/1/2003	11/30/2010	8	21.90	1	17	20.00	AD	NC	☐	NC		
Fish Community	Fish Community	12/1/2003	11/30/2010	8	41.30	5	36.4	41.00	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	79.19	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	105		0		32.20	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	Total Dissolved Solids	12/1/2003	11/30/2010	511	486.19	0		600.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	211	49.28	0		140.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	211	61.48	0		200.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	15		2	20.5	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	59		1	0.7	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	60		0		0.33	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1910_01** From confluence with San Antonio River to confluence with Rosillo 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	Orthophosphorus	12/1/2003	11/30/2010	13		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	60		1	6.94	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	Methyl ethyl ketone	12/1/2003	11/30/2010	11	1.00	0		13,932.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	11	0.05	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	11	0.02	0		0.16	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	11	0.03	0		70.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	11	0.05	0		0.25	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		200.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromoform	12/1/2003	11/30/2010	11	0.05	0		69.10	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2003	11/30/2010	11	0.02	0		473.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	11	0.01	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	o-Dichlorobenzene	12/1/2003	11/30/2010	11	0.03	0		600.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	11	0.80	0		0.80	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	11	0.04	0		3.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2003	11/30/2010	11	0.02	0		10.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	11	0.03	0		4.10	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1910_01 From confluence with San Antonio River to confluence with Rosillo 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	Chlorobenzene	12/1/2003	11/30/2010	11	0.02	0		100.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	11	0.01	0		7.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	11	0.02	0		700.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2003	11/30/2010	11	0.05	0		27.00	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	Dichloromethane	12/1/2003	11/30/2010	11	0.05	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Toluene	12/1/2003	11/30/2010	11	0.02	0		1,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bromoform	12/1/2003	11/30/2010	11	0.05	0		69.10	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,1-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		200.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,2-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Vinyl chloride	12/1/2003	11/30/2010	11	0.05	0		0.25	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chloroform	12/1/2003	11/30/2010	11	0.03	0		70.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dibromoethane	12/1/2003	11/30/2010	11	0.02	0		0.16	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Methyl ethyl ketone	12/1/2003	11/30/2010	11	1.00	0		13,932.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Tetrachloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	o-Dichlorobenzene	12/1/2003	11/30/2010	11	0.03	0		600.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzene	12/1/2003	11/30/2010	11	0.01	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2003	11/30/2010	11	0.02	0		473.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	11	0.04	0		3.20	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1910_01** From confluence with San Antonio River to confluence with Rosillo 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 HH criteria for PWS average	Ethylbenzene	12/1/2003	11/30/2010	11	0.02	0		700.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dichloropropane	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1-Dichloroethylene	12/1/2003	11/30/2010	11	0.01	0		7.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chlorobenzene	12/1/2003	11/30/2010	11	0.02	0		100.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bromodichloromethane	12/1/2003	11/30/2010	11	0.02	0		10.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2003	11/30/2010	11	0.02	0		75.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Trichloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	205	1.29	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2003	11/30/2010	11	0.05	0		27.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	21	0.27	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Acrylonitrile	12/1/2003	11/30/2010	11	0.80	0		0.80	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Carbon tetrachloride	12/1/2003	11/30/2010	11	0.03	0		4.10	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1910_02 — From the confluence with Rosillo Creek up to the confluence with Pershing 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	198		27	4.03	5.00	SM	CS	☑	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	198		2	2.2	3.00	SM	FS	☐	FS		4a
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	11		1	4.9	5.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	11		0		3.00	AD	FS	☐	FS		
Habitat	Habitat	12/1/2003	11/30/2010	11	23.50			20.00	AD	NC	☐	NC		
Fish Community	Fish Community	12/1/2003	11/30/2010	11	39.30	9	35.6	41.00	TR	CN	☑	CN	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	147	131.08	1		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	198		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	200		1	11.7	9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	200		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	511	486.19	0		600.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	211	49.28	0		140.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	211	61.48	0		200.00	AD	FS	☐	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	66		1	0.43	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	26		2	53.1	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	101		3	1.28	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	102		10	2.63	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	98		0		0.69	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1910_02 — From the confluence with Rosillo Creek up to the confluence with Pershing 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	Bromoform	12/1/2003	11/30/2010	11	0.05	0		69.10	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	11	0.01	0		7.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	11	0.05	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	o-Dichlorobenzene	12/1/2003	11/30/2010	11	0.03	0		600.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2003	11/30/2010	11	0.02	0		473.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	11	1.00	0		13,932.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	11	0.02	0		0.16	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	11	0.03	0		70.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	11	0.05	0		0.25	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		200.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2003	11/30/2010	11	0.02	0		10.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	11	0.80	0		0.80	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	11	0.02	0		700.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	11	0.01	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2003	11/30/2010	11	0.05	0		27.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	11	0.03	0		4.10	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2003	11/30/2010	11	0.02	0		100.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	11	0.04	0		3.20	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1910_02 From the confluence with Rosillo Creek up to the confluence with Pershing 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	Trichloroethene	12/1/2003	11/30/2010	11	0.02	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 HH criteria for PWS average	Toluene	12/1/2003	11/30/2010	11	0.02	0		1,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,2-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bromoform	12/1/2003	11/30/2010	11	0.05	0		69.10	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Tetrachloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,1-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		200.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Dichloromethane	12/1/2003	11/30/2010	11	0.05	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chloroform	12/1/2003	11/30/2010	11	0.03	0		70.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Methyl ethyl ketone	12/1/2003	11/30/2010	11	1.00	0		13,932.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	o-Dichlorobenzene	12/1/2003	11/30/2010	11	0.03	0		600.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Vinyl chloride	12/1/2003	11/30/2010	11	0.05	0		0.25	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	11	0.04	0		3.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2003	11/30/2010	11	0.02	0		473.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2003	11/30/2010	11	0.05	0		27.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dibromoethane	12/1/2003	11/30/2010	11	0.02	0		0.16	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Ethylbenzene	12/1/2003	11/30/2010	11	0.02	0		700.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	21	0.27	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	205	1.29	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Trichloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1910_02** From the confluence with Rosillo Creek up to the confluence with Pershing 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 HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2003	11/30/2010	11	0.02	0		75.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzene	12/1/2003	11/30/2010	11	0.01	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bromodichloromethane	12/1/2003	11/30/2010	11	0.02	0		10.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Carbon tetrachloride	12/1/2003	11/30/2010	11	0.03	0		4.10	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chlorobenzene	12/1/2003	11/30/2010	11	0.02	0		100.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1-Dichloroethylene	12/1/2003	11/30/2010	11	0.01	0		7.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dichloropropane	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Acrylonitrile	12/1/2003	11/30/2010	11	0.80	0		0.80	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1910_03 — From the confluence with Pershing Creek up to the confluence with Walzem 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	130		6	3.7	5.00	SM	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	130		1	1.7	3.00	SM	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2000	11/30/2010	12		0		5.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2000	11/30/2010	12		1	2.7	3.00	AD	FS	☐	FS		
Habitat	Habitat	12/1/2003	11/30/2010	7	22.60			20.00	TR	NA	☐	NA		
Macrobenthic Community	Macrobenthic Community	12/1/2003	11/30/2010	4	23.00	4		29.00	TR	NA	☑	NS	impaired macrobenthic community	5c
Fish Community	Fish Community	12/1/2003	11/30/2010	7	39.40			41.00	TR	NA	☑	NS	impaired fish community	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	134	157.04	1		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	134		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	134		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	134		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	511	486.19	0		600.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	211	49.28	0		140.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	211	61.48	0		200.00	AD	FS	☐	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	14		3	1.01	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	36		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	14		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	37		12	6.69	1.95	AD	CS	☑	CS	nitrate	

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1910_03 — From the confluence with Pershing Creek up to the confluence with Walzem 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	Total Phosphorus	12/1/2003	11/30/2010	36		4	1.47	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	1,2-Dibromoethane	12/1/2003	11/30/2010	11	0.02	0		0.16	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		200.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	11	0.05	0		0.25	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	11	0.03	0		70.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	11	1.00	0		13,932.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2003	11/30/2010	11	0.02	0		473.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	11	0.05	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	11	0.80	0		0.80	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromoform	12/1/2003	11/30/2010	11	0.05	0		69.10	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	o-Dichlorobenzene	12/1/2003	11/30/2010	11	0.03	0		600.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2003	11/30/2010	11	0.02	0		10.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	11	0.01	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	11	0.03	0		4.10	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2003	11/30/2010	11	0.02	0		100.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	11	0.01	0		7.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1910_03 — From the confluence with Pershing Creek up to the confluence with Walzem 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	1,2-Dichloropropane	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	11	0.02	0		700.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	11	0.04	0		3.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2003	11/30/2010	11	0.05	0		27.00	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	Dichloromethane	12/1/2003	11/30/2010	11	0.05	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Vinyl chloride	12/1/2003	11/30/2010	11	0.05	0		0.25	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Toluene	12/1/2003	11/30/2010	11	0.02	0		1,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bromoform	12/1/2003	11/30/2010	11	0.05	0		69.10	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,1-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		200.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,2-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chloroform	12/1/2003	11/30/2010	11	0.03	0		70.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	205	1.29	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dibromoethane	12/1/2003	11/30/2010	11	0.02	0		0.16	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Methyl ethyl ketone	12/1/2003	11/30/2010	11	1.00	0		13,932.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	o-Dichlorobenzene	12/1/2003	11/30/2010	11	0.03	0		600.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Tetrachloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2003	11/30/2010	11	0.02	0		473.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	11	0.04	0		3.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Acrylonitrile	12/1/2003	11/30/2010	11	0.80	0		0.80	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1910_03** From the confluence with Pershing Creek up to the confluence with Walzem 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 HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2003	11/30/2010	11	0.02	0		75.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2003	11/30/2010	11	0.05	0		27.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Trichloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzene	12/1/2003	11/30/2010	11	0.01	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bromodichloromethane	12/1/2003	11/30/2010	11	0.02	0		10.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Carbon tetrachloride	12/1/2003	11/30/2010	11	0.03	0		4.10	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chlorobenzene	12/1/2003	11/30/2010	11	0.02	0		100.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1-Dichloroethylene	12/1/2003	11/30/2010	11	0.01	0		7.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dichloropropane	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Ethylbenzene	12/1/2003	11/30/2010	11	0.02	0		700.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	21	0.27	0		4.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1910_04 — From the confluence with Walzem Creek up to the confluence with Beitel 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	26		1	3.2	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	26		0		3.00	AD	NS	☑	NS	depressed dissolved oxygen	4a
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	23.00			20.00	LD	NC	☐	NC		
Fish Community	Fish Community	12/1/2003	11/30/2010	1	44.00	0		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	27	110.45	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	511	486.19	0		600.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	211	49.28	0		140.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	211	61.48	0		200.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	4		0		1.95	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		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1910_04 — From the confluence with Walzem Creek up to the confluence with Beitel 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	Trichloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		200.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	11	0.05	0		0.25	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	11	0.03	0		70.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	11	0.02	0		0.16	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	11	1.00	0		13,932.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2003	11/30/2010	11	0.02	0		473.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	11	0.05	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromoform	12/1/2003	11/30/2010	11	0.05	0		69.10	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	o-Dichlorobenzene	12/1/2003	11/30/2010	11	0.03	0		600.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	11	0.01	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	11	0.04	0		3.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	11	0.02	0		700.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	11	0.01	0		7.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2003	11/30/2010	11	0.02	0		100.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	11	0.03	0		4.10	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	11	0.80	0		0.80	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2003	11/30/2010	11	0.05	0		27.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1910_04 From the confluence with Walzem Creek up to the confluence with Beitel 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	Bromodichloromethane	12/1/2003	11/30/2010	11	0.02	0		10.20	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	Vinyl chloride	12/1/2003	11/30/2010	11	0.05	0		0.25	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,2-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,1-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		200.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chloroform	12/1/2003	11/30/2010	11	0.03	0		70.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Toluene	12/1/2003	11/30/2010	11	0.02	0		1,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bromoform	12/1/2003	11/30/2010	11	0.05	0		69.10	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dibromoethane	12/1/2003	11/30/2010	11	0.02	0		0.16	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Methyl ethyl ketone	12/1/2003	11/30/2010	11	1.00	0		13,932.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2003	11/30/2010	11	0.02	0		473.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Dichloromethane	12/1/2003	11/30/2010	11	0.05	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Acrylonitrile	12/1/2003	11/30/2010	11	0.80	0		0.80	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Tetrachloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	o-Dichlorobenzene	12/1/2003	11/30/2010	11	0.03	0		600.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Trichloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	21	0.27	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	11	0.04	0		3.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	205	1.29	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2003	11/30/2010	11	0.02	0		75.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1910_04** From the confluence with Walzem Creek up to the confluence with Beitel 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 HH criteria for PWS average	Benzene	12/1/2003	11/30/2010	11	0.01	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bromodichloromethane	12/1/2003	11/30/2010	11	0.02	0		10.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Carbon tetrachloride	12/1/2003	11/30/2010	11	0.03	0		4.10	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chlorobenzene	12/1/2003	11/30/2010	11	0.02	0		100.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1-Dichloroethylene	12/1/2003	11/30/2010	11	0.01	0		7.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dichloropropane	12/1/2003	11/30/2010	11	0.02	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Ethylbenzene	12/1/2003	11/30/2010	11	0.02	0		700.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2003	11/30/2010	11	0.05	0		27.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1910_05** From the confluence with Beitel Creek up to the confluence with Lorence 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	12/1/2000	11/30/2010	13		3	2.47	4.00	SR	CS	☑	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2000	11/30/2010	13		2	1.9	3.00	SR	FS	☐	FS		
Habitat	Habitat	12/1/2003	11/30/2010	2	16.50			9.00	SR	FS	☐	FS		
Macrobenthic Community	Macrobenthic Community	12/1/2003	11/30/2010	3	28.30			12.00	SR	FS	☐	FS		
Fish Community	Fish Community	12/1/2003	11/30/2010	2	34.00			12.00	SR	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	12/1/2000	11/30/2010	13	66.36	0		126.00	SR	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	12/1/2000	11/30/2010	15		0		32.20	SR	FS	☐	FS		
High pH	pH	12/1/2000	11/30/2010	14		0		9.00	SR	FS	☐	FS		
Low pH	pH	12/1/2000	11/30/2010	14		0		6.50	SR	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	511	486.19	0		600.00	SR	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	211	49.28	0		140.00	SR	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	211	61.48	0		200.00	SR	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2000	11/30/2010	8		5	30.32	14.10	SR	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Nitrate	12/1/2000	11/30/2010	9		0		1.95	SR	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2000	11/30/2010	9		1	1.01	0.37	SR	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2000	11/30/2010	9		1	9.71	0.33	SR	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2000	11/30/2010	8		1	1.19	0.69	SR	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1910_05 — From the confluence with Beitel Creek up to the confluence with Lorence 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	Bromoform	12/1/2003	11/30/2010	11	0.05	0		69.10	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		200.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	11	0.05	0		5.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	11	0.03	0		70.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	11	0.05	0		0.25	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	11	1.00	0		13,932.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	o-Dichlorobenzene	12/1/2003	11/30/2010	11	0.03	0		600.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2003	11/30/2010	11	0.02	0		473.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	11	0.04	0		3.20	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	11	0.02	0		0.16	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	11	0.80	0		0.80	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2003	11/30/2010	11	0.05	0		27.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	11	0.01	0		5.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	11	0.03	0		4.10	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2003	11/30/2010	11	0.02	0		100.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	11	0.01	0		7.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	11	0.02	0		700.00	SR	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1910_05 From the confluence with Beitel Creek up to the confluence with Lorence 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	Bromodichloromethane	12/1/2003	11/30/2010	11	0.02	0		10.20	SR	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	o-Dichlorobenzene	12/1/2003	11/30/2010	11	0.03	0		600.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Toluene	12/1/2003	11/30/2010	11	0.02	0		1,000.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Bromoform	12/1/2003	11/30/2010	11	0.05	0		69.10	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,1-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		200.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,2-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Vinyl chloride	12/1/2003	11/30/2010	11	0.05	0		0.25	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Chloroform	12/1/2003	11/30/2010	11	0.03	0		70.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dibromoethane	12/1/2003	11/30/2010	11	0.02	0		0.16	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Dichloromethane	12/1/2003	11/30/2010	11	0.05	0		5.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2003	11/30/2010	11	0.02	0		473.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	11	0.04	0		3.20	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Ethylbenzene	12/1/2003	11/30/2010	11	0.02	0		700.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Methyl ethyl ketone	12/1/2003	11/30/2010	11	1.00	0		13,932.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	21	0.27	0		4.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Acrylonitrile	12/1/2003	11/30/2010	11	0.80	0		0.80	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dichloropropane	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1-Dichloroethylene	12/1/2003	11/30/2010	11	0.01	0		7.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Chlorobenzene	12/1/2003	11/30/2010	11	0.02	0		100.00	SR	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1910_05** From the confluence with Beitel Creek up to the confluence with Lorence 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 HH criteria for PWS average	Carbon tetrachloride	12/1/2003	11/30/2010	11	0.03	0		4.10	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Bromodichloromethane	12/1/2003	11/30/2010	11	0.02	0		10.20	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzene	12/1/2003	11/30/2010	11	0.01	0		5.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2003	11/30/2010	11	0.02	0		75.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Trichloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	205	1.29	0		10.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2003	11/30/2010	11	0.05	0		27.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Tetrachloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1910_06 — From the confluence with Lorence Creek up to the confluence with Lewis 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	Sulfate	12/1/2003	11/30/2010	211	61.48	0		200.00	SR	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	511	486.19	0		600.00	SR	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	211	49.28	0		140.00	SR	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	Chloroform	12/1/2003	11/30/2010	11	0.03	0		70.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	o-Dichlorobenzene	12/1/2003	11/30/2010	11	0.03	0		600.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2003	11/30/2010	11	0.02	0		473.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	11	0.02	0		0.16	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	11	0.05	0		5.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	11	0.05	0		0.25	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		200.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromoform	12/1/2003	11/30/2010	11	0.05	0		69.10	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	11	1.00	0		13,932.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	11	0.04	0		3.20	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2003	11/30/2010	11	0.05	0		27.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	11	0.01	0		5.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2003	11/30/2010	11	0.02	0		10.20	SR	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1910_06 — From the confluence with Lorence Creek up to the confluence with Lewis 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	Carbon tetrachloride	12/1/2003	11/30/2010	11	0.03	0		4.10	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2003	11/30/2010	11	0.02	0		100.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	11	0.01	0		7.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	11	0.02	0		700.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	11	0.80	0		0.80	SR	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	Dichloromethane	12/1/2003	11/30/2010	11	0.05	0		5.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Tetrachloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Toluene	12/1/2003	11/30/2010	11	0.02	0		1,000.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Bromoform	12/1/2003	11/30/2010	11	0.05	0		69.10	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,1-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		200.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,2-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Chloroform	12/1/2003	11/30/2010	11	0.03	0		70.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Methyl ethyl ketone	12/1/2003	11/30/2010	11	1.00	0		13,932.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	11	0.04	0		3.20	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	o-Dichlorobenzene	12/1/2003	11/30/2010	11	0.03	0		600.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Vinyl chloride	12/1/2003	11/30/2010	11	0.05	0		0.25	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2003	11/30/2010	11	0.02	0		473.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2003	11/30/2010	11	0.02	0		75.00	SR	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1910_06** From the confluence with Lorence Creek up to the confluence with Lewis 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 HH criteria for PWS average	Ethylbenzene	12/1/2003	11/30/2010	11	0.02	0		700.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dibromoethane	12/1/2003	11/30/2010	11	0.02	0		0.16	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Acrylonitrile	12/1/2003	11/30/2010	11	0.80	0		0.80	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	21	0.27	0		4.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2003	11/30/2010	11	0.05	0		27.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Trichloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzene	12/1/2003	11/30/2010	11	0.01	0		5.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Bromodichloromethane	12/1/2003	11/30/2010	11	0.02	0		10.20	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Carbon tetrachloride	12/1/2003	11/30/2010	11	0.03	0		4.10	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Chlorobenzene	12/1/2003	11/30/2010	11	0.02	0		100.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1-Dichloroethylene	12/1/2003	11/30/2010	11	0.01	0		7.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dichloropropane	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	205	1.29	0		10.00	SR	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1910_07 — From the confluence with Lewis Creek to the upper end of the 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	511	486.19	0		600.00	SR	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	211	61.48	0		200.00	SR	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	211	49.28	0		140.00	SR	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	Bromoform	12/1/2003	11/30/2010	11	0.05	0		69.10	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	o-Dichlorobenzene	12/1/2003	11/30/2010	11	0.03	0		600.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2003	11/30/2010	11	0.02	0		473.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	11	1.00	0		13,932.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	11	0.02	0		0.16	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	11	0.03	0		70.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	11	0.05	0		0.25	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		200.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	11	0.05	0		5.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	11	0.04	0		3.20	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	11	0.02	0		700.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	11	0.01	0		7.00	SR	FS	☐	FS		

AUID 1910_07 — From the confluence with Lewis Creek to the upper end of the 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	Chlorobenzene	12/1/2003	11/30/2010	11	0.02	0		100.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	11	0.03	0		4.10	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	11	0.01	0		5.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2003	11/30/2010	11	0.05	0		27.00	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	11	0.80	0		0.80	SR	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2003	11/30/2010	11	0.02	0		10.20	SR	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	205	1.29	0		10.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Acrylonitrile	12/1/2003	11/30/2010	11	0.80	0		0.80	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Tetrachloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Dichloromethane	12/1/2003	11/30/2010	11	0.05	0		5.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	o-Dichlorobenzene	12/1/2003	11/30/2010	11	0.03	0		600.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2003	11/30/2010	11	0.02	0		473.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Methyl ethyl ketone	12/1/2003	11/30/2010	11	1.00	0		13,932.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dibromoethane	12/1/2003	11/30/2010	11	0.02	0		0.16	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Chloroform	12/1/2003	11/30/2010	11	0.03	0		70.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Vinyl chloride	12/1/2003	11/30/2010	11	0.05	0		0.25	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,2-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,1-Trichloroethane	12/1/2003	11/30/2010	11	0.02	0		200.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	21	0.27	0		4.00	SR	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1910_07** From the confluence with Lewis Creek to the upper end of the 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	Toluene	12/1/2003	11/30/2010	11	0.02	0		1,000.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	11	0.04	0		3.20	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Ethylbenzene	12/1/2003	11/30/2010	11	0.02	0		700.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dichloropropane	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1-Dichloroethylene	12/1/2003	11/30/2010	11	0.01	0		7.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Chlorobenzene	12/1/2003	11/30/2010	11	0.02	0		100.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Carbon tetrachloride	12/1/2003	11/30/2010	11	0.03	0		4.10	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Bromodichloromethane	12/1/2003	11/30/2010	11	0.02	0		10.20	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzene	12/1/2003	11/30/2010	11	0.01	0		5.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2003	11/30/2010	11	0.02	0		75.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Trichloroethene	12/1/2003	11/30/2010	11	0.02	0		5.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2003	11/30/2010	11	0.05	0		27.00	SR	FS	☐	FS		
Surface Water HH criteria for PWS average	Bromoform	12/1/2003	11/30/2010	11	0.05	0		69.10	SR	FS	☐	FS		

SEGID 1910A Walzem Creek (unclassified water body)

AUID 1910A_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	40		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	40		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	29	350.26	1		126.00	AD	NS	☐	NS	bacteria	4a

SEGID 1910B Rosillo Creek (unclassified water body)

AUID 1910B_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	26		3	1.7	3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	26		2	1.3	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	26	38.98	0		126.00	AD	FS	☐	FS		

SEGID 1910C Salado Creek Tributary (unclassified water body)

AUID 1910C_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	10		0		2.00	LD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	10		0		1.50	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	136.84	1		126.00	LD	NS	☐	CN	bacteria	

SEGID 1910D Menger Creek (unclassified water body)

AUID 1910D_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	22		8	3.41	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	22		4	2.23	3.00	AD	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	21	406.49	1		126.00	AD	NS	☐	NS	bacteria	5c

SEGID 1910E Beitel Creek (unclassified water body)

AUID 1910E_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	18		4	1.85	3.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	18		2	1.25	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	19	207.89	1		126.00	LD	NS	☐	CN	bacteria	

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

SEGID 1911 Upper San Antonio River

AUID 1911_01 From the lower end of the segment up to just upstream of the confluence with Olmos 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	124		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	124		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	7		0		360.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	7		0		122.60	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	7		0		1,429.88	LD	NC	☐	NC		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	7		0		55.45	LD	NC	☐	NC		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	7		0		321.61	LD	NC	☐	NC		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	7		0		3,806.51	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	Zinc	12/1/2003	11/30/2010	6		0		308.26	LD	NC	☐	NC		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	7		0		991.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	7	0.10	0		6.17	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	7	0.50	0		5.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	6	6.73	0		189.62	LD	NC	☐	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	7	2.90	0		284.94	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	7	0.50	0		316.60	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	7	1.60	0		190.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	7	0.05	0		1.79	LD	NC	☐	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	7	1.66	0		22.40	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1911_01 — From the lower end of the segment up to just upstream of the confluence with Olmos 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	259	107.12	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	124		2	32.6	32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	122		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	122		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	1811	490.21	0		750.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	981	64.09	0		150.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	982	54.03	0		150.00	AD	FS	☐	FS		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	83		47	1.27	0.69	AD	CS	☐	CS	total phosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	19		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	20		18	1.01	0.37	AD	CS	☐	CS	orthophosphorus	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	82		79	8.73	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	83		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
DSHS Advisories, Closures, and Risk Assessments	Risk Assess.- No Advisory	12/1/2003	11/30/2010						OE	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	33	0.52	0		502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	33	0.09	0		3.83	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1911_02 — From the confluence with Olmos Creek up to just upstream of the confluence with Picosa 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		1	4.9	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	69		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	68	150.55	1		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	70		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	70		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	70		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	1811	490.21	0		750.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	981	64.09	0		150.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	982	54.03	0		150.00	AD	FS	☐	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	6		5	1.21	0.37	LD	CS	☐	CS	orthophosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	6		0		14.10	LD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	62		61	8.27	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	62		36	1.32	0.69	AD	CS	☐	CS	total phosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	63		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
DSHS Advisories, Closures, and Risk Assessments	Risk Assess.- No Advisory	12/1/2003	11/30/2010						OE	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	33	0.52	0		502.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1911_02** From the confluence with Olmos Creek up to just upstream of the confluence with Picosa 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	Lead	12/1/2003	11/30/2010	33	0.09	0		3.83	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1911_03 — From just upstream of the confluence with Picosa Creek up to just upstream of the confluence with Lodi Branch in Floresville, Wilson 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	90		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	90		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	7		0		3,756.45	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	Lead	12/1/2003	11/30/2010	7		0		315.27	LD	NC	☐	NC		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	7		0		54.64	LD	NC	☐	NC		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	7		0		120.45	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	7		0		991.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	6		0		304.20	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	7		0		1,411.67	LD	NC	☐	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	7	1.61	0		22.40	LD	NC	☐	NC		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	6	7.57	0		189.62	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	7	0.50	0		5.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	7	0.09	0		6.17	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	7	0.50	0		316.60	LD	NC	☐	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	7	0.05	0		1.79	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	7	1.37	0		190.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	7	2.49	0		284.94	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1911_03 — From just upstream of the confluence with Picosa Creek up to just upstream of the confluence with Lodi Branch in Floresville, Wilson County, Texas.

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	256	133.16	1		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	90		0		32.20	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	Sulfate	12/1/2003	11/30/2010	982	54.03	0		150.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	981	64.09	0		150.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	1811	490.21	0		750.00	AD	FS	☐	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	27		26	1.14	0.37	AD	CS	☐	CS	orthophosphorus	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	63		50	1.34	0.69	AD	CS	☐	CS	total phosphorus	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	63		60	9.65	1.95	AD	CS	☐	CS	nitrate	

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	Risk Assess.- No Advisory	12/1/2003	11/30/2010						OE	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	33	0.52	0		502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	33	0.09	0		3.83	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1911_04** From just upstream of the confluence with Lodi Branch in Floresville, Wilson County, Texas up to just upstream of the confluence with Calaveras 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	295		1	4.6	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	295		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		

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	94.57	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	159		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	297		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	297		1	4.8	6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	1811	490.21	0		750.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	982	54.03	0		150.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	981	64.09	0		150.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	70		64	7.39	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	71		2	0.44	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	70		30	1.2	0.69	AD	CS	☐	CS	total phosphorus	

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	Risk Assess.- No Advisory	12/1/2003	11/30/2010						OE	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	33	0.09	0		3.83	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1911_04** From just upstream of the confluence with Lodi Branch in Floresville, Wilson County, Texas up to just upstream of the confluence with Calaveras 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	33	0.52	0		502.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1911_05 — From just upstream of the confluence with Calaveras Creek up to just upstream of the confluence with the Medina River.

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	243		2	2.55	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	243		1	0.7	3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	5		0		5.00	LD	NC	☐	NC		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	5		0		3.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	8		0		292.66	LD	NC	☐	NC		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	7		0		289.50	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	Aluminum	12/1/2003	11/30/2010	8		0		991.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	8		0		3,575.19	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	8		0		1,345.67	LD	NC	☐	NC		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	8		0		360.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	8		0		112.77	LD	NC	☐	NC		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	8		0		51.71	LD	NC	☐	NC		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	7	11.10	0		189.62	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	8	0.93	0		190.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	8	0.05	0		1.79	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	8	0.50	0		316.60	LD	NC	☐	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	8	1.43	0		22.40	LD	NC	☐	NC		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	8	0.07	0		6.17	LD	NC	☐	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	8	2.46	0		284.94	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	7	0.50	0		5.00	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1911_05 — From just upstream of the confluence with Calaveras Creek up to just upstream of the confluence with the Medina River.

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
Fish Community	Fish Community	12/1/2003	11/30/2010	4	35.29			41.00	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	191	111.05	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	211		1	32.3	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	Total Dissolved Solids	12/1/2003	11/30/2010	1811	490.21	0		750.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	981	64.09	0		150.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	982	54.03	0		150.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	55		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	145		139	11.38	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	63		56	1.15	0.37	AD	CS	☐	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	144		19	0.58	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	63		56	1.15	0.69	AD	CS	☐	CS	total phosphorus	

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	Risk Assess.- No Advisory	12/1/2003	11/30/2010						OE	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	33	0.52	0		502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	33	0.09	0		3.83	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1911_06 — From just upstream of the confluence with the Medina River up to just upstream of the confluence with Salado 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	168		2	4.3	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	168		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	6		0		5.00	LD	NC	☐	NC		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	6		0		3.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	7		0		3,166.16	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	Lead	12/1/2003	11/30/2010	7		0		243.76	LD	NC	☐	NC		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	7		0		45.17	LD	NC	☐	NC		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	7		0		95.90	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	7		0		991.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	7		0		256.33	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	7		0		1,196.35	LD	NC	☐	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	7	1.17	0		22.40	LD	NC	☐	NC		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	7	2.54	0		189.62	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	7	0.50	0		5.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	7	0.05	0		6.17	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	7	0.60	0		316.60	LD	NC	☐	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	7	0.05	0		1.79	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	7	1.33	0		190.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	7	0.89	0		284.94	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1911_06 — From just upstream of the confluence with the Medina River up to just upstream of the confluence with Salado 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
Habitat	Habitat	12/1/2003	11/30/2010	6	22.00			20.00	AD	NC	☐	NC		
Fish Community	Fish Community	12/1/2003	11/30/2010	6	41.00			41.00	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	162	102.82	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
Water Temperature	Temperature	12/1/2003	11/30/2010	169		3	32.6	32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	168		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	168		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	1811	490.21	0		750.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	981	64.09	0		150.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	982	54.03	0		150.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	119		42	3.9	1.95	AD	CS	☐	CS	nitrate	
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	119		1	0.36	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	116		10	1.02	0.69	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
DSHS Advisories, Closures, and Risk Assessments	Risk Assess.- No Advisory	12/1/2003	11/30/2010						OE	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	33	0.52	0		502.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1911_06** From just upstream of the confluence with the Medina River up to just upstream of the confluence with Salado 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	Lead	12/1/2003	11/30/2010	33	0.09	0		3.83	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1911_07 — From just upstream of the confluence with Salado Creek up to just upstream of the confluence with Sixmile 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	98		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	98		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		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	5		0		991.00	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		124.75	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	5		0		1,448.04	LD	NC	☐	NC		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	5		0		56.27	LD	NC	☐	NC		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	5		0		327.98	LD	NC	☐	NC		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	5		0		3,856.46	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	Zinc	12/1/2003	11/30/2010	5		0		312.31	LD	NC	☐	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	5	0.05	0		1.79	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	5	0.50	0		5.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	5	3.34	0		189.62	LD	NC	☐	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	5	0.90	0		284.94	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	5	0.50	0		316.60	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	5	1.16	0		190.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	5	1.30	0		22.40	LD	NC	☐	NC		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	5	0.14	0		6.17	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1911_07 — From just upstream of the confluence with Salado Creek up to just upstream of the confluence with Sixmile 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
Habitat	Habitat	12/1/2003	11/30/2010	2	19.30			20.00	AD	CS	☐	CS	impaired habitat	
Fish Community	Fish Community	12/1/2003	11/30/2010	2	41.00			41.00	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	230	183.92	1		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	99		4	33.5	32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	97		4	9.13	9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	97		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	1811	490.21	0		750.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	981	64.09	0		150.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	982	54.03	0		150.00	AD	FS	☐	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	17		2	0.4	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	17		3	48	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	79		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	79		28	3.21	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	77		1	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
DSHS Advisories, Closures, and Risk Assessments	Risk Assess.- No Advisory	12/1/2003	11/30/2010						OE	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	33	0.52	0		502.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1911_07** From just upstream of the confluence with Salado Creek up to just upstream of the confluence with Sixmile 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	Lead	12/1/2003	11/30/2010	33	0.09	0		3.83	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1911_08 — From just upstream of the confluence with Sixmile Creek to just upstream of the confluence with San Pedro 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	109		2	4.3	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	109		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	1	17.00			20.00	LD	CS	☐	CS	impaired habitat	
Fish Community	Fish Community	12/1/2003	11/30/2010	1	36.40			41.00	LD	CN	☐	CN	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	109	221.67	1		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	112		1	32.7	32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	112		2	9.2	9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	112		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	1811	490.21	0		750.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	981	64.09	0		150.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	982	54.03	0		150.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	64		35	4.29	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	11		3	0.71	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	64		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	64		5	1.02	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	10		1	18	14.10	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1911_08** From just upstream of the confluence with Sixmile Creek to just upstream of the confluence with San Pedro 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
DSHS Advisories, Closures, and Risk Assessments	Risk Assess.- No Advisory	12/1/2003	11/30/2010						OE	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	33	0.52	0		502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	33	0.09	0		3.83	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1911_09 — From just upstream of the confluence with San Pedro Creek up to the upper end of the 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	668		29	3.84	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	668		6	2.28	3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	10		0		5.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	10		0		3.00	AD	FS	☐	FS		
Habitat	Habitat	12/1/2003	11/30/2010	3	18.70			20.00	AD	CS	☐	CS	impaired habitat	
Fish Community	Fish Community	12/1/2003	11/30/2010	3	33.90			41.00	AD	NS	☐	NS	impaired fish community	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	657	404.00	1		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	671		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	670		1	9.6	9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	670		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	1811	490.21	0		750.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	981	64.09	0		150.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	982	54.03	0		150.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	103		3	100	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	294		171	7.15	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	103		51	1.17	0.37	AD	CS	☐	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	294		4	0.76	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	287		81	1.28	0.69	AD	CS	☐	CS	total phosphorus	

AUID 1911_09

From just upstream of the confluence with San Pedro Creek up to the upper end of the 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
DSHS Advisories, Closures, and Risk Assessments	Risk Assess.- No Advisory	12/1/2003	11/30/2010						OE	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	33	0.52	0		502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	33	0.09	0		3.83	AD	FS	☐	FS		

SEGID 1911B Apache Creek (unclassified water body)

AUID 1911B_01

From the confluence with San Pedro Creek up to just upstream of the confluence with Zarzamora 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	163		29	3.69	5.00	AD	CS	☑	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	163		7	2.07	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	140		59	########	394.00	SM	NS	☐	NA	bacteria	5a
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	162	392.42	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	49		10	2.79	1.95	AD	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	49		2	0.78	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	46		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	5		1	45	14.10	LD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

SEGID 1911C Alazan Creek (unclassified water body)

AUID 1911C_01 From the confluence with Apache Creek up to the confluence with Martinez 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	121		1	2.9	3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	121		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 Single Sample	E. coli	12/1/2001	11/30/2008	103		45	8026.69	394.00	SM	NS	☐	NA	bacteria	5a
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	121	339.19	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	Orthophosphorus	12/1/2003	11/30/2010	12		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	43		3	0.54	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	41		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	12		4	18.5	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	43		1	3.59	1.95	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1911C_02 — From just upstream of the confluence with Martinez Creek to the upper end of the 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	106		2	2.4	3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	106		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	105	253.39	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	37		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	6		0		0.37	LD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	37		11	0.96	0.33	AD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	36		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	6		4	39.5	14.10	LD	CS	☐	CS	chlorophyll-a	

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

SEGID 1911D San Pedro Creek (unclassified water body)

AUID 1911D_01 From the confluence with segment 1911 up to the confluence with Apache 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	66		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	66		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	3		0		5.00	ID	NA	☐	NA		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	3		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 Single Sample	E. coli	12/1/2001	11/30/2008	54		23	6487.22	394.00	SM	NS	☐	NA	bacteria	5a
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	65	363.13	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	24		6	2.24	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	5		0		0.37	LD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	24		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	23		1	1.02	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	6		0		14.10	LD	NC	☐	NC		

AUID 1911D_02 From the confluence with Apache Creek to the upper end of the segment, NHD RC 12100301000867

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		9	2.9	5.00	AD	CS	☑	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	64		5	2.14	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 Single Sample	E. coli	12/1/2001	11/30/2008	55		44	7734.82	394.00	SM	NS	☐	NA	bacteria	5a
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	64	1439.43	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	Ammonia	12/1/2003	11/30/2010	27		2	0.99	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	27		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	27		12	2.02	1.95	AD	CS	☑	CS	nitrate	

SEGID 1911E Sixmile Creek (unclassified water body)

AUID 1911E_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 minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	24		0		1.50	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	24	385.10	1		126.00	AD	NS	☐	NS	bacteria	5c
Bacteria Geomean	Choose a Parameter	12/1/2003	11/30/2010	24		0		2.00	AD	NC	☐	NC		

SEGID 1911F Calaveras Reservoir (unclassified water body)

AUID 1911F_01 Entire 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
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	2		0		0.14	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	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	PCBs	12/1/2003	11/30/2010	2		0		0.13	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	Zinc	12/1/2003	11/30/2010	2		0		525.00	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	Toxaphene	12/1/2003	11/30/2010	2		0		0.83	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	Arsenic	12/1/2003	11/30/2010	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	2		0		0.23	ID	NA	☐	NA		

SEGID 1911G Braunig Reservoir (unclassified water body)

AUID 1911G_01 Entire 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
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	2		0		0.53	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	PCBs	12/1/2003	11/30/2010	2		0		0.13	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	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	Copper	12/1/2003	11/30/2010	2		0		250.00	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	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	Dieldrin	12/1/2003	11/30/2010	2		0		0.06	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	Heptachlor	12/1/2003	11/30/2010	2		0		0.20	ID	NA	☐	NA		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

SEGID 1911H Picosa Creek (unclassified water body)

AUID 1911H_01 From the confluence with 1911 up to the confluence with Mariana 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	21		12	1.41	3.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	21		9	1.08	2.00	AD	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	21	107.51	0		126.00	AD	FS	☐	FS		

SEGID 1912 Medio Creek

AUID 1912_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	45		0		4.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	45		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	12		0		4.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	12		0		3.00	AD	FS	☐	FS		
Habitat	Habitat	12/1/2003	11/30/2010	6	23.00			14.00	AD	NC	☐	NC		
Fish Community	Fish Community	12/1/2003	11/30/2010	7	40.40			35.00	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	45	81.04	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	46		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	46		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	46		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	46	77.06	0		150.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	58	652.24	0		750.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	46	105.90	0		150.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	8		1	24	14.10	LD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	46		40	1.4	0.69	AD	CS	☑	CS	total phosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	46		0		0.33	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1912_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	46		19	5.91	1.95	AD	CS	☑	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	8		8	1.25	0.37	LD	CS	☑	CS	orthophosphorus	

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

SEGID 1912A Upper Medio Creek (unclassified water body)

AUID 1912A_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	44		1	1	2.00	SM	NC	☐	NC	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	44		1	1	1.50	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2000	11/30/2010	10				2.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2000	11/30/2010	10				1.50	AD	FS	☐	FS		
Habitat	Habitat	12/1/2003	11/30/2010	2	21.30			20.00	AD	NC	☐	NC		
Fish Community	Fish Community	12/1/2003	11/30/2010	2	41.00			41.00	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	42	83.28	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	29		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	43		43	2.59	0.69	AD	CS	☑	CS	total phosphorus	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	44		36	8.87	1.95	AD	CS	☑	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	30		29	2.29	0.37	AD	CS	☐	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	45		10	1.9	0.33	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

SEGID 1913 Mid Cibolo Creek

AUID 1913_01 From 100 M downstream of I10 up to unnamed tributary approximately 0.3 miles upstream of Weir Road, Bexar 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	31		3	2.79	3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	31		0		2.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2000	11/30/2010	24		1	2.9	3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2000	11/30/2010	24		1	1.4	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	30	87.97	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	62	514.37	0		750.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	68	67.28	0		150.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	61	45.88	0		150.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	35		27	6.9	1.95	AD	CS	☑	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	34		31	1.36	0.37	AD	CS	☑	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	31		10	3.31	0.33	AD	CS	☑	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	32		27	1.54	0.69	AD	CS	☑	CS	total phosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	33		7	30.37	14.10	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID **1913_02**

From the confluence with unnamed tributary approximately 0.3 miles upstream of Weir Road, Bexar county, Texas up to 100 meters upstream of the Cibolo Creek Municipal WWTP.

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	12/1/2000	11/30/2010	19		0		3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2000	11/30/2010	19		0		2.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2000	11/30/2010	16		1	2.4	3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2000	11/30/2010	16		7	1.24	2.00	AD	NS	☐	NS	depressed dissolved oxygen	4b

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	18	69.57	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	12/1/2000	11/30/2010	19		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2000	11/30/2010	18		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2000	11/30/2010	18		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	62	514.37	0		750.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	68	67.28	0		150.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	61	45.88	0		150.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2000	11/30/2010	21		16	7.17	1.95	AD	CS	☑	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2000	11/30/2010	23		22	1.39	0.37	AD	CS	☑	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2000	11/30/2010	21		6	1.25	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2000	11/30/2010	21		17	1.48	0.69	AD	CS	☑	CS	total phosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2000	11/30/2010	24		2	31.85	14.10	AD	NC	☐	NC		

2012 Texas Integrated Report: Assessment Results for Basin 19 - San Antonio River

AUID 1913_03 — From 100 meters upstream of Cibolo Creek Municipal WWTP up to the upper end of the 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	19		1	2.6	3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	19		0		2.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2000	11/30/2010	16		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2000	11/30/2010	16		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	20	75.40	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
Water Temperature	Temperature	12/1/2003	11/30/2010	19		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	19		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	19		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	62	514.37	0		750.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	68	67.28	0		150.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	61	45.88	0		150.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	19		2	38.85	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	21		5	3.78	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	22		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	19		1	1.21	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	19		0		0.69	AD	NC	☐	NC		