2012 Texas Integrated Report: Assessment Results for Basin 23 - Rio Grande 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Data (less than 4) **JQ** = Level of support is based on judgment of the assessor **SM** = This assessment method is superseded by another method **TR** = Temporally Not Representative, used with NA **SR** = Spatially Not Representative, used with NA **OE** = Other information than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.

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SEGID 2301 Rio Grande Tidal

AUID 2301_01 From the mouth of the Rio Grande (lower segment boundary) to a point 71.7 km (44.6 mi) upstream

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	10		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	10		0		4.00	AD	FS	☐	FS		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	4		0		4.79	LD	NC	☐	NC		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	4		0		7.81	LD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	4		0		4.30	LD	NC	☐	NC		
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	4		0		180.00	LD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	4		0		4.77	LD	NC	☐	NC		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	4		0		374.00	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	Enterococcus	12/1/2003	11/30/2010	2	31.46	0		35.00	ID	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	16		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		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	18		0		0.46	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	17		1	0.78	0.66	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	4		0		0.46	LD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	14		0		1.10	AD	NC	☐	NC		

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AUID **2301_01** From the mouth of the Rio Grande (lower segment boundary) to a point 71.7 km (44.6 mi) upstream

USE **General Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	19		12	67.23	21.00	AD	CS	☐	CS	chlorophyll-a	

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AUID 2301_02 — From a point 71.7 km (44.6 mi) upstream of the mouth the Rio Grande to the upper segment boundary 10.8 km (6.7 mi) downstream of the International Bridge

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		2	3.4	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	18		2	3.4	4.00	AD	FS	☐	FS		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	3		0		4.30	ID	NA	☐	NA		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	3		0		374.00	ID	NA	☐	NA		
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	3		0		180.00	ID	NA	☐	NA		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	3		0		7.81	ID	NA	☐	NA		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	3		0		4.79	ID	NA	☐	NA		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	3		0		4.77	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	4	42.74	1		35.00	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
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	21		1	10.2	9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	21		1	6.4	6.50	AD	FS	☐	FS		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	22		2	1.06	0.66	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	23		9	61.7	21.00	AD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	18		5	3.95	1.10	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	7		0		0.46	LD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	22		1	0.57	0.46	AD	NC	☐	NC		

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SEGID 2302 Rio Grande Below Falcon Reservoir

AUID 2302_01 From the El Jardin Pump Station upstream to the Rancho Viejo Floodway

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		14	3.99	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	130		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	5		0		3,985.77	LD	NC	☐	NC		
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	Endosulfan 2 (beta)	12/1/2003	11/30/2010	1		0		0.22	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	Dicofol (Kelthane)	12/1/2003	11/30/2010	1		0		59.30	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	Toxaphene	12/1/2003	11/30/2010	1		0		0.78	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	5		0		322.80	LD	NC	☐	NC		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	5		0		344.67	LD	NC	☐	NC		
Acute Toxic Substances in water	Aldrin	12/1/2003	11/30/2010	1		0		3.00	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	Dieldrin	12/1/2003	11/30/2010	1		0		2.50	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	5		0		58.37	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	5		0		1,495.02	LD	NC	☐	NC		
Acute Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	1		0		2.40	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	5		0		130.36	LD	NC	☐	NC		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	33		0		360.00	AD	FS	☐	FS		

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AUID 2302_01 From the El Jardin Pump Station upstream to the Rancho Viejo Floodway

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	Aluminum	12/1/2003	11/30/2010	5		0		991.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	1		0		0.52	ID	NA	☐	NA		
Acute Toxic Substances in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	1		0		2.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	5	1.40	0		219.43	LD	NC	☐	NC		
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	0.53	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	Endosulfan sulfate	12/1/2003	11/30/2010	1	0.03	0		0.06	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	5	3.93	0		329.68	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	5	0.33	0		364.61	LD	NC	☐	NC		
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	Mirex	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
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	Copper	12/1/2003	11/30/2010	5	1.92	0		25.96	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	33	4.58	0		190.00	AD	FS	☐	FS		
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	5	0.06	0		7.68	LD	NC	☐	NC		

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AUID 2302_01 — From the El Jardin Pump Station upstream to the Rancho Viejo Floodway

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	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	5	0.03	0		2.05	LD	NC	☐	NC		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	11		0		28.00	AD	NC	☐	NC		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	12		0		1,300.00	AD	NC	☐	NC		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	12		0		31.30	AD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	12		0		62.90	AD	NC	☐	NC		
Toxic Substances in sediment	Toxaphene	12/1/2003	11/30/2010	11		0		32.00	AD	NC	☐	NC		
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	11		0		676.00	AD	NC	☐	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	10		0		240.00	AD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	12		0		61.80	AD	NC	☐	NC		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	12		0		17.60	AD	NC	☐	NC		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	12	0.00	0		80.00	AD	NC	☐	NC		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	10		0		207.00	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	45	133.72	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	140		3	33.19	32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	136		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	136		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	489	151.36	0		270.00	AD	FS	☐	FS		

AUID 2302_01 From the El Jardin Pump Station upstream to the Rancho Viejo Floodway

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	491	215.67			350.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	532	740.47	0		880.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	96		10	6.47	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	46		2	0.49	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	107		15	0.52	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	106		2	1.15	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	76		24	33.78	14.10	AD	CS	☐	CS	chlorophyll-a	

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-Dichloroethylene	12/1/2003	11/30/2010	1	2.50	0		7.00	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	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	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-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	1,2-Dichloroethane	12/1/2003	11/30/2010	1	5.00	0		5.00	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	Ethylbenzene	12/1/2003	11/30/2010	1	2.50	0		700.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	1	2.50	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		

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AUID 2302_01 From the El Jardin Pump Station upstream to the Rancho Viejo Floodway

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	1	2.50	0		70.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorophene	12/1/2003	11/30/2010	1	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		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2003	11/30/2010	1	2.50	0		473.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	o-Dichlorobenzene	12/1/2003	11/30/2010	1	2.50	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	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	DDE	12/1/2003	11/30/2010	1	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	DDD	12/1/2003	11/30/2010	1	0.01	0		0.01	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	5	0.03	0		5.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2003	11/30/2010	1	0.01	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	5	0.33	0		62.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Endrin	12/1/2003	11/30/2010	1	0.03	0		0.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dicofol (Kelthane)	12/1/2003	11/30/2010	1	0.04	0		0.08	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Methoxychlor	12/1/2003	11/30/2010	1	0.03	0		0.33	ID	NA	☐	NA		

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AUID 2302_01 From the El Jardin Pump Station upstream to the Rancho Viejo Floodway

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	1	5.00	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	5	0.66	0		6.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	1	0.03	0		0.20	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	Toxaphene	12/1/2003	11/30/2010	1	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2003	11/30/2010	1	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	DDT	12/1/2003	11/30/2010	1	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	6	0.06	0		1.15	LD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010						ID	NA	☑	CS	mercury in edible tissue	

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	1	2.05	0		4.10	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	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	o-Dichlorobenzene	12/1/2003	11/30/2010	1	2.50	0		600.00	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	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	Ethylbenzene	12/1/2003	11/30/2010	1	2.50	0		700.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	1	1.60	0		3.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Tetrachloroethene	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		

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AUID 2302_01 From the El Jardin Pump Station upstream to the Rancho Viejo Floodway

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	Chlorobenzene	12/1/2003	11/30/2010	1	2.50	0		100.00	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	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	Vinyl chloride	12/1/2003	11/30/2010	1	0.13	0		0.25	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	DDE	12/1/2003	11/30/2010	1	0.00	0		0.01	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	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	Hexachlorophene	12/1/2003	11/30/2010	1	0.00	0		0.01	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	Bromodichloromethane	12/1/2003	11/30/2010	1	2.50	0		10.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2003	11/30/2010	1	2.50	0		473.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Antimony	12/1/2003	11/30/2010	5	0.66	0		6.00	LD	NC	☐	NC		
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	Trihalomethane	12/1/2003	11/30/2010	1	2.50	0		80.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Chlordane	12/1/2003	11/30/2010	1	0.00	0		0.01	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	Aldrin	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	43	4.19	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Toxaphene	12/1/2003	11/30/2010	1	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	5	0.03	0		5.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Benzene	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		

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AUID 2302_01 From the El Jardin Pump Station upstream to the Rancho Viejo Floodway

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	DDD	12/1/2003	11/30/2010	1	0.01	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Dieldrin	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Endrin	12/1/2003	11/30/2010	1	0.03	0		0.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	289	0.50	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Heptachlor epoxide	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	5	0.06	0		1.15	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Methoxychlor	12/1/2003	11/30/2010	1	0.03	0		0.33	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	392	0.94	0		10.00	AD	FS	☐	FS		
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	1,3-Dichlorobenzene	12/1/2003	11/30/2010	1	2.50	0		75.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	gamma-BHC (Lindane)	12/1/2003	11/30/2010	1	0.03	0		0.20	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	DDT	12/1/2003	11/30/2010	1	0.00	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Dicofol (Kelthane)	12/1/2003	11/30/2010	1	0.04	0		0.08	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Heptachlor	12/1/2003	11/30/2010	1	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	5	109.80	0		2,000.00	LD	NC	☐	NC		
Surface Water Toxic Substances average concern	MTBE	12/1/2003	11/30/2010	1	2.50	0		240.00	ID	NA	☐	NA		

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AUID 2302_02 — From the Rancho Viejo Floodway upstream to the Progresso Int'l Bridge (FM 1015)

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	23		1	4.4	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	23		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	12/1/2001	11/30/2010	23	37.48	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	23		1	32.3	32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	23		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	23		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	532	740.47	0		880.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	489	151.36	0		270.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	491	215.67			350.00	AD	FS	☐	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	22		3	0.49	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	23		5	47.2	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	22		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	21		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	22		9	0.74	0.33	AD	CS	☐	CS	ammonia	

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						ID	NA	☑	CS	mercury in edible tissue	

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AUID **2302_02** From the Rancho Viejo Floodway upstream to the Progresso Int'l Bridge (FM 1015)

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	43	4.19			10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	289	0.50	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	392	0.94	0		10.00	AD	FS	☐	FS		

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AUID 2302_03 — From the Progresso Int'l Bridge (FM 1015) upstream to the McAllen Int'l Bridge (US Hwy 281)

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	100		22	3.89	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	100		3	2.17	3.00	AD	FS	☐	FS		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	5		0		28.00	LD	NC	☐	NC		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	5		0		31.30	LD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	5		0		62.90	LD	NC	☐	NC		
Toxic Substances in sediment	Toxaphene	12/1/2003	11/30/2010	5		0		32.00	LD	NC	☐	NC		
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	5		0		676.00	LD	NC	☐	NC		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	5		0		1,300.00	LD	NC	☐	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	4		0		240.00	LD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	5		0		61.80	LD	NC	☐	NC		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	5		0		17.60	LD	NC	☐	NC		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	5		0		80.00	LD	NC	☐	NC		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	5		0		207.00	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	66	60.90	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	100		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	99		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	99		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	532	740.47	0		880.00	AD	FS	☐	FS		

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AUID **2302_03** From the Progresso Int'l Bridge (FM 1015) upstream to the McAllen Int'l Bridge (US Hwy 281)

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	491	215.67			350.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	489	151.36	0		270.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	68		8	5.18	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	34		3	0.46	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	72		11	0.79	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	73		2	0.85	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	77		10	29.2	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
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010						ID	NA	☑	CS	mercury in edible tissue	

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	43	4.19			10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	289	0.50	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	392	0.94	0		10.00	AD	FS	☐	FS		

AUID 2302_04 — From the McAllen Int'l Bridge (US Hwy 281) upstream to Anzalduas Dam

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	106		10	3.93	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	106		2	2.55	3.00	AD	FS	☐	FS		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	9		0		17.60	LD	NC	☐	NC		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	10		0		28.00	AD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	10		0		61.80	AD	NC	☐	NC		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	8		0		207.00	LD	NC	☐	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	8		0		240.00	LD	NC	☐	NC		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	10		0		1,300.00	AD	NC	☐	NC		
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	9		0		676.00	LD	NC	☐	NC		
Toxic Substances in sediment	Toxaphene	12/1/2003	11/30/2010	9		0		32.00	LD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	10		0		62.90	AD	NC	☐	NC		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	10		0		31.30	AD	NC	☐	NC		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	10		0		80.00	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	37	84.24	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	106		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	106		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	106		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	532	740.47	0		880.00	AD	FS	☐	FS		

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AUID 2302_04 — From the McAllen Int'l Bridge (US Hwy 281) upstream to Anzalduas Dam

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Chloride	12/1/2003	11/30/2010	489	151.36	0		270.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	491	215.67			350.00	AD	FS	☐	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	18		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	103		12	30.76	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	98		1	1.68	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	89		13	6.21	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	100		0		0.69	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010						ID	NA	☑	CS	mercury in edible tissue	

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	392	0.94	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	43	4.19			10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	289	0.50	0		4.00	AD	FS	☐	FS		

AUID 2302_05 — From Anzalduas Dam upstream to the Los Ebanos Ferry Crossing

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	491	215.67			350.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	532	740.47			880.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	489	151.36			270.00	AD	FS	☐	FS		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010						ID	NA	☑	CS	mercury in edible tissue	

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	43	4.19			10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	289	0.50			4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	392	0.94			10.00	AD	FS	☐	FS		

AUID 2302_06 — From the Los Ebanos Ferry Crossing upstream to the Arroyo Los Olmos confluence

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	41		5	3.46	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	41		1	1.5	3.00	AD	FS	☐	FS		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	5		0		1,300.00	LD	NC	☐	NC		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	4		0		80.00	LD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	5		0		62.90	LD	NC	☐	NC		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	5		0		31.30	LD	NC	☐	NC		
Toxic Substances in sediment	Toxaphene	12/1/2003	11/30/2010	5		0		32.00	LD	NC	☐	NC		
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	5		0		676.00	LD	NC	☐	NC		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	4		0		207.00	LD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	5		0		61.80	LD	NC	☐	NC		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	5		0		17.60	LD	NC	☐	NC		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	5		0		28.00	LD	NC	☐	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	4		0		240.00	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	12/1/2001	11/30/2010	6	17.43	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	41		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	41		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	41		1	5.9	6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	532	740.47	0		880.00	AD	FS	☐	FS		

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AUID 2302_06 — From the Los Ebanos Ferry Crossing upstream to the Arroyo Los Olmos confluence

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	489	151.36	0		270.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	491	215.67			350.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	35		8	5.41	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	40		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	42		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	43		4	23.25	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
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010						ID	NA	☑	CS	mercury in edible tissue	

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	289	0.50	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	392	0.94	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	43	4.19			10.00	AD	FS	☐	FS		

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AUID 2302_07 — From the Arroyo Los Olmos confluence upstream to the Falcon Dam

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	111		3	4.4	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	111		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	1		0		231.79	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	10		0		360.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	1		0		83.88	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	1		0		1,085.48	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	1		0		40.39	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	1		0		209.56	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	1		0		2,863.54	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	1	0.50	0		219.43	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	1	2.00	0		329.68	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	1	0.04	0		7.68	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	1	1.10	0		25.96	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	1	0.40	0		364.61	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	10	2.91	0		190.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	1	0.02	0		2.05	ID	NA	☐	NA		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	13		0		1,300.00	AD	NC	☐	NC		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	14		0		31.30	AD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	14		0		62.90	AD	NC	☐	NC		
Toxic Substances in sediment	Toxaphene	12/1/2003	11/30/2010	13		0		32.00	AD	NC	☐	NC		

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AUID 2302_07 — From the Arroyo Los Olmos confluence upstream to the Falcon Dam

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	13		0		240.00	AD	NC	☐	NC		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	12		0		207.00	AD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	14		0		61.80	AD	NC	☐	NC		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	14		0		28.00	AD	NC	☐	NC		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	14		1	429	17.60	AD	NC	☐	NC		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	14		0		80.00	AD	NC	☐	NC		
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	13		0		676.00	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	86	157.73	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	124		0		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		1	6.4	6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	491	215.67			350.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	532	740.47	0		880.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	489	151.36	0		270.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	120		13	27.03	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	129		4	1.08	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	130		50	1.04	0.33	AD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	109		9	6.72	1.95	AD	NC	☐	NC		

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AUID 2302_07 — From the Arroyo Los Olmos confluence upstream to the Falcon Dam

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	25		3	0.42	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	Cadmium	12/1/2003	11/30/2010	1	0.02	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	1	0.40	0		62.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	1	0.04	0		1.15	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	1	0.43	0		6.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010						ID	NA	☑	CS	mercury in edible tissue	

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	289	0.50	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Antimony	12/1/2003	11/30/2010	1	0.43	0		6.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	1	0.04	0		1.15	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	1	92.00	0		2,000.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	43	4.19	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	1	0.02	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	392	0.94	0		10.00	AD	FS	☐	FS		

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SEGID 2302A Arroyo Los Olmos (unclassified water body)

AUID 2302A_01 From the Rio Grande confluence near Rio Grande City upstream to a point 39.4 km (24.5 mi) near El Sauz

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	12/1/2001	11/30/2010	11		1	2.9	3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2010	11		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	12/1/2001	11/30/2010	11	468.56	1		126.00	AD	NS	☑	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2010	13		11	130.32	14.10	AD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2010	13		3	7.85	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2010	13		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2010	13		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2010	13		0		0.69	AD	NC	☐	NC		

SEGID 2303 International Falcon Reservoir

AUID 2303_01 Area around International Monument XIV

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	43	164.47			300.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	45	551.66			1,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	43	102.67			200.00	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	29	0.55			4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	35	1.16			10.00	AD	FS	☐	FS		

AUID 2303_02 Area around Zapata WTP intake

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		1	4.1	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		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	4		0		240.00	LD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	4		0		62.90	LD	NC	☐	NC		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	4		0		1,300.00	LD	NC	☐	NC		
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	4		0		676.00	LD	NC	☐	NC		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	4		0		31.30	LD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	4		0		61.80	LD	NC	☐	NC		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	4		0		28.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	4		0		17.60	LD	NC	☐	NC		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	4		0		80.00	LD	NC	☐	NC		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	4		0		207.00	LD	NC	☐	NC		
Toxic Substances in sediment	Toxaphene	12/1/2003	11/30/2010	4		0		32.00	LD	NC	☐	NC		
TOXNET ambient toxicity tests in water - sublethality	Water Toxicity - Sublethal Effects	12/1/2003	11/30/2010						ID	NA	☑	CN	toxicity in water	

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	12/1/2001	11/30/2010	14	52.38	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	19		0		33.90	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		

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AUID 2303_02 — Area around Zapata WTP intake

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	43	164.47	0		300.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	45	551.66	0		1,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	43	102.67	0		200.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	19		0		26.70	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	18		9	0.64	0.20	AD	CS	☐	CS	total phosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	17		7	0.16	0.11	AD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	15		12	1.65	0.37	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	1		1	0.14	0.05	ID	NA	☑	CS	orthophosphorus	

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	29	0.55	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	35	1.16	0		10.00	AD	FS	☐	FS		

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AUID 2303_03 Area around International Monument I

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		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	21		0		3.00	AD	FS	☐	FS		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	1		0		62.90	ID	NA	☐	NA		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	1		0		1,300.00	ID	NA	☐	NA		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	1		0		31.30	ID	NA	☐	NA		
Toxic Substances in sediment	Toxaphene	12/1/2003	11/30/2010	1		0		32.00	ID	NA	☐	NA		
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	1		0		676.00	ID	NA	☐	NA		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	1		0		207.00	ID	NA	☐	NA		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	1		0		61.80	ID	NA	☐	NA		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	1		0		28.00	ID	NA	☐	NA		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	1		0		80.00	ID	NA	☐	NA		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	1		0		17.60	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	1		0		240.00	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	12/1/2001	11/30/2010	25	6.76	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	23		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	22		1	9.7	9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	22		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	43	102.67	0		200.00	AD	FS	☐	FS		

AUID 2303_03 Area around International Monument I

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	43	164.47	0		300.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	45	551.66	0		1,000.00	AD	FS	☐	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	3		0		0.05	ID	NA	☐	NA		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	21		2	0.27	0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	23		1	0.64	0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	24		5	32	26.70	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	20		3	6.33	0.37	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	29	0.55	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	35	1.16	0		10.00	AD	FS	☐	FS		

AUID 2303_04 Remainder of segment

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	45	551.66			1,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	43	102.67			200.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	43	164.47			300.00	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	29	0.55			4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	35	1.16			10.00	AD	FS	☐	FS		

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SEGID 2304 Rio Grande Below Amistad Reservoir

AUID 2304_01 From the Arroyo Salado confluence upstream to the San Idelfonso Creek confluence

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	95		1	4.8	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	95		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	11		0		45.33	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	11		0		3,176.50	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	11		0		244.96	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	13		0		257.17	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	11		0		1,200.13	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	11		0		96.32	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	27		0		360.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	12		0		991.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Mercury	12/1/2003	11/30/2010	1		0		2.40	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	11	0.09	0		7.56	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	11	2.00	0		326.19	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	13	3.27	0		217.11	AD	FS	☐	FS		
Chronic Toxic Substances in water	Mercury	12/1/2003	11/30/2010	1	0.10	0		1.30	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	11	1.25	0		25.68	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	11	0.34	0		360.87	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	26	2.34	0		190.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	11	0.03	0		2.03	AD	FS	☐	FS		

AUID 2304_01 From the Arroyo Salado confluence upstream to the San Idelfonso Creek confluence

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	4		0		676.00	LD	NC	☐	NC		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	5		0		207.00	LD	NC	☐	NC		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	5		0		31.30	LD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	5		0		62.90	LD	NC	☐	NC		
Toxic Substances in sediment	Toxaphene	12/1/2003	11/30/2010	4		0		32.00	LD	NC	☐	NC		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	5		0		80.00	LD	NC	☐	NC		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	5		0		1,300.00	LD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	5		0		61.80	LD	NC	☐	NC		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	5		0		28.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	5		0		17.60	LD	NC	☐	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	5		0		240.00	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	139	279.48	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	114		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	96		1	9.1	9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	96		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	550	569.22	0		1,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	445	96.29	0		200.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	442	161.54	0		300.00	AD	FS	☐	FS		

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AUID 2304_01 — From the Arroyo Salado confluence upstream to the San Idelfonso Creek confluence

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	93		3	1.29	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	82		6	10.26	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	66		3	22	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	38		3	0.43	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	86		6	0.46	0.33	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	15	0.05	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	17	0.90	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	15	0.24	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Mercury	12/1/2003	11/30/2010	2	0.01			0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	9	0.36			6.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	3	0.38			0.75	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	Mercury	12/1/2003	11/30/2010	2	0.01	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Antimony	12/1/2003	11/30/2010	9	0.36			6.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Thallium	12/1/2003	11/30/2010	3	0.38			0.75	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	4	1.47			50.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	374	1.34	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	305	0.57	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	15	0.05	0		5.00	AD	FS	☐	FS		

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AUID **2304_01** From the Arroyo Salado confluence upstream to the San Idelfonso Creek confluence

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	28	2.36	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	15	0.24	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	18	80.96	0		2,000.00	AD	FS	☐	FS		

AUID 2304_02 — From the San Idelfonso Creek confluence upstream to International Bridge #2

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	94	549.20	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	17		0		35.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	442	161.54			300.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	550	569.22			1,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	445	96.29			200.00	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	Thallium	12/1/2003	11/30/2010	3	0.38			0.75	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	9	0.36			6.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Mercury	12/1/2003	11/30/2010	2	0.01			0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	15	0.24			1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	15	0.05			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	17	0.90			62.00	AD	FS	☐	FS		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Mercury	12/1/2003	11/30/2010	2	0.01			0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	374	1.34			10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Thallium	12/1/2003	11/30/2010	3	0.38			0.75	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Antimony	12/1/2003	11/30/2010	9	0.36			6.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	28	2.36			10.00	AD	FS	☐	FS		

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AUID **2304_02** From the San Idelfonso Creek confluence upstream to International Bridge #2

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	305	0.57			4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	4	1.47			50.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	15	0.05			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	18	80.96			2,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	15	0.24			1.15	AD	FS	☐	FS		

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AUID 2304_03 — From the International Bridge #2 upstream to the City of Laredo water treatment plant intake

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		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	6		0		240.00	LD	NC	☐	NC		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	6		0		31.30	LD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	6		0		62.90	LD	NC	☐	NC		
Toxic Substances in sediment	Toxaphene	12/1/2003	11/30/2010	5		0		32.00	LD	NC	☐	NC		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	6		0		1,300.00	LD	NC	☐	NC		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	6		0		207.00	LD	NC	☐	NC		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	6		0		80.00	LD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	6		0		61.80	LD	NC	☐	NC		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	6		0		28.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	6		0		17.60	LD	NC	☐	NC		
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	5		0		676.00	LD	NC	☐	NC		
TOXNET ambient toxicity tests in water - sublethality	Water Toxicity - Sublethal Effects	12/1/2003	11/30/2010						ID	NA	☑	CN	toxicity in water	

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	72	656.42	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	41		0		35.00	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		

AUID 2304_03 — From the International Bridge #2 upstream to the City of Laredo water treatment plant intake

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	442	161.54	0		300.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	550	569.22	0		1,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	445	96.29	0		200.00	AD	FS	☐	FS		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	24		1	1.96	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	24		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	20		5	5.1	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	23		2	0.43	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	4		0		0.37	LD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	15	0.05			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	17	0.90			62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	15	0.24			1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Mercury	12/1/2003	11/30/2010	2	0.01			0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	9	0.36			6.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	3	0.38			0.75	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	Fluoride	12/1/2003	11/30/2010	305	0.57	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Thallium	12/1/2003	11/30/2010	3	0.38			0.75	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Antimony	12/1/2003	11/30/2010	9	0.36			6.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	4	1.47			50.00	LD	NC	☐	NC		

AUID 2304_03 From the International Bridge #2 upstream to the City of Laredo water treatment plant intake

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	374	1.34	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	15	0.24			1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	15	0.05			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	18	80.96			2,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	28	2.36			10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Mercury	12/1/2003	11/30/2010	2	0.01			0.01	ID	NA	☐	NA		

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AUID 2304_04 — From the City of Laredo water treatment plant intake upstream to the World Trade Center Bridge

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	Mercury	12/1/2003	11/30/2010	1		0		2.40	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	3		0		991.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	1		0		20.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	4		0		268.02	LD	NC	☐	NC		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	2		0		3,310.36	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	2		0		47.47	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	2		0		1,249.06	ID	NA	☐	NA		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	2		0		360.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	1		0		83.88	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	2		0		260.66	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	2	10.25	0		25.68	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	4	8.38	0		217.11	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	2	3.03	0		326.19	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	2	10.25	1		7.56	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	2	0.34	0		360.87	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	1	0.33	0		2.03	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	2	2.86	0		190.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Mercury	12/1/2003	11/30/2010	1	0.10	0		1.30	ID	NA	☐	NA		

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AUID 2304_04 — From the City of Laredo water treatment plant intake upstream to the World Trade Center Bridge

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	Mirex	12/1/2003	11/30/2010	5		0		1,300.00	LD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	5		0		62.90	LD	NC	☐	NC		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	5		0		31.30	LD	NC	☐	NC		
Toxic Substances in sediment	Toxaphene	12/1/2003	11/30/2010	5		0		32.00	LD	NC	☐	NC		
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	5		0		676.00	LD	NC	☐	NC		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	5		0		207.00	LD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	5		0		61.80	LD	NC	☐	NC		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	5		0		28.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	5		0		17.60	LD	NC	☐	NC		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	5		0		80.00	LD	NC	☐	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	5		0		240.00	LD	NC	☐	NC		
TOXNET ambient toxicity tests in water - sublethality	Water Toxicity - Sublethal Effects	12/1/2003	11/30/2010						ID	NA	☑	CN	toxicity in water	

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	98	15.37	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	44		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	24		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	24		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	442	161.54	0		300.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	550	569.22	0		1,000.00	AD	FS	☐	FS		

AUID 2304_04 — From the City of Laredo water treatment plant intake upstream to the World Trade Center Bridge

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	445	96.29	0		200.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	24		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	23		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	22		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	19		3	6.43	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	3		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	Cadmium	12/1/2003	11/30/2010	15	0.05	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	17	0.90	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	15	0.24			1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Mercury	12/1/2003	11/30/2010	2	0.01	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	9	0.36			6.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	3	0.38			0.75	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	Mercury	12/1/2003	11/30/2010	2	0.01	0		0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Antimony	12/1/2003	11/30/2010	9	0.36			6.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	4	1.47	0		50.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	374	1.34	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	305	0.57	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	15	0.05	0		5.00	AD	FS	☐	FS		

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AUID **2304_04** From the City of Laredo water treatment plant intake upstream to the World Trade Center Bridge

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	Barium	12/1/2003	11/30/2010	18	80.96	0		2,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	28	2.36	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Thallium	12/1/2003	11/30/2010	3	0.38			0.75	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	15	0.24			1.15	AD	FS	☐	FS		

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AUID 2304_05 From the World Trade Center Bridge upstream to the Columbia Bridge

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	Nickel	12/1/2003	11/30/2010	2		0		3,300.10	ID	NA	☐	NA		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	1		0		20.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	2		0		259.44	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	2		0		47.30	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	1		0		72.05	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	2		0		991.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	2		0		360.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	4		0		267.19	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	2		0		1,245.31	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	2	10.25	0		25.68	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	1	5.00	0		5.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	2	0.50	0		7.56	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	2	1.88	0		360.87	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	1	0.15	0		2.03	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	2	2.89	0		190.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	4	8.88	0		217.11	LD	NC	☐	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	2	3.12	0		326.19	ID	NA	☐	NA		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	5		0		1,300.00	LD	NC	☐	NC		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	5		0		31.30	LD	NC	☐	NC		

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AUID 2304_05 — From the World Trade Center Bridge upstream to the Columbia Bridge

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	DDT	12/1/2003	11/30/2010	5		0		62.90	LD	NC	☐	NC		
Toxic Substances in sediment	Toxaphene	12/1/2003	11/30/2010	4		0		32.00	LD	NC	☐	NC		
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	4		0		676.00	LD	NC	☐	NC		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	5		0		207.00	LD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	5		0		61.80	LD	NC	☐	NC		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	5		0		28.00	LD	NC	☐	NC		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	5		0		80.00	LD	NC	☐	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	5		0		240.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	5		0		17.60	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	12/1/2001	11/30/2010	20	11.49	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		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	24		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	24		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	442	161.54	0		300.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	550	569.22	0		1,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	445	96.29	0		200.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	18		3	5.27	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	3		0		0.37	ID	NA	☐	NA		

AUID 2304_05 — From the World Trade Center Bridge upstream to the Columbia Bridge

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	21		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	23		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	22		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	Antimony	12/1/2003	11/30/2010	9	0.36			6.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Mercury	12/1/2003	11/30/2010	2	0.01			0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	3	0.38			0.75	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	17	0.90	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	15	0.05	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	15	0.24	0		1.15	AD	FS	☐	FS		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Antimony	12/1/2003	11/30/2010	9	0.36			6.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Thallium	12/1/2003	11/30/2010	3	0.38			0.75	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	4	1.47	0		50.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	374	1.34	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Mercury	12/1/2003	11/30/2010	2	0.01			0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	305	0.57	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	15	0.05	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	18	80.96	0		2,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	28	2.36	0		10.00	AD	FS	☐	FS		

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AUID **2304_05** From the World Trade Center Bridge upstream to the Columbia Bridge

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	Lead	12/1/2003	11/30/2010	15	0.24			1.15	AD	FS	☐	FS		

AUID 2304_06 From the Columbia Bridge upstream to El Indio

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	49		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	49		0		3.00	AD	FS	☐	FS		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	3		0		17.60	ID	NA	☐	NA		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	3		0		62.90	ID	NA	☐	NA		
Toxic Substances in sediment	Toxaphene	12/1/2003	11/30/2010	2		0		32.00	ID	NA	☐	NA		
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	2		0		676.00	ID	NA	☐	NA		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	3		0		1,300.00	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	3		0		240.00	ID	NA	☐	NA		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	3		0		207.00	ID	NA	☐	NA		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	3		0		28.00	ID	NA	☐	NA		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	3		0		80.00	ID	NA	☐	NA		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	3		0		31.30	ID	NA	☐	NA		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	3		0		61.80	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	95	12.94	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		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	52		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	52		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	550	569.22	0		1,000.00	AD	FS	☐	FS		

AUID 2304_06 — From the Columbia Bridge upstream to El Indio

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	445	96.29	0		200.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	442	161.54	0		300.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	46		3	11.47	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	30		2	0.75	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	50		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	52		3	32.61	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	50		1	20	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	17	0.90			62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	3	0.38			0.75	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	9	0.36			6.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	15	0.24			1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	15	0.05			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Mercury	12/1/2003	11/30/2010	2	0.01			0.01	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	Thallium	12/1/2003	11/30/2010	3	0.38			0.75	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	28	2.36			10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	18	80.96			2,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	15	0.05			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	305	0.57	0		4.00	AD	FS	☐	FS		

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AUID **2304_06** From the Columbia Bridge upstream to El Indio

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	Lead	12/1/2003	11/30/2010	15	0.24			1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Mercury	12/1/2003	11/30/2010	2	0.01			0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	374	1.34	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	4	1.47			50.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Antimony	12/1/2003	11/30/2010	9	0.36			6.00	LD	NC	☐	NC		

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AUID 2304_07 — From El Indio upstream to downstream of US Hwy 277 (Eagle Pass)

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	70		2	4.19	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	70		0		3.00	AD	FS	☐	FS		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	2		0		128.00	ID	NA	☐	NA		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	6		0		31.30	LD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	6		0		62.90	LD	NC	☐	NC		
Toxic Substances in sediment	Toxaphene	12/1/2003	11/30/2010	5		0		32.00	LD	NC	☐	NC		
Toxic Substances in sediment	Iron	12/1/2003	11/30/2010	2		0		40,000.00	ID	NA	☐	NA		
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	2		0		459.00	ID	NA	☐	NA		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	2		0		2.20	ID	NA	☐	NA		
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	5		0		676.00	LD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	2		0		48.60	ID	NA	☐	NA		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	6		0		1,300.00	LD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2003	11/30/2010	2		0		1,100.00	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	6		0		240.00	LD	NC	☐	NC		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	6		0		207.00	LD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	6		0		61.80	LD	NC	☐	NC		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	6		0		28.00	LD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	2		1	13200	149.00	ID	NA	☐	NA		
Toxic Substances in sediment	Chromium	12/1/2003	11/30/2010	2		0		111.00	ID	NA	☐	NA		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	6		0		17.60	LD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	2		0		4.98	ID	NA	☐	NA		

AUID 2304_07 — From El Indio upstream to downstream of US Hwy 277 (Eagle Pass)

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	Arsenic	12/1/2003	11/30/2010	2		0		33.00	ID	NA	☐	NA		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	6		0		80.00	LD	NC	☐	NC		
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	2		0		1.06	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	56	542.81	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	75		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	75		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	75		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	550	569.22	0		1,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	445	96.29	0		200.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	442	161.54	0		300.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	65		6	12.13	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	33		1	2.9	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	69		5	0.77	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	71		2	2.22	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	70		5	22.28	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	15	0.24			1.15	AD	FS	☐	FS		

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AUID 2304_07 — From El Indio upstream to downstream of US Hwy 277 (Eagle Pass)

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	9	0.36			6.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	17	0.90			62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	15	0.05			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	3	0.38			0.75	ID	NA	☐	NA		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	28	2.36			10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	18	80.96			2,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	15	0.05			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	305	0.57	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	15	0.24			1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Mercury	12/1/2003	11/30/2010	2	0.01			0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	374	1.34	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	4	1.47			50.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Antimony	12/1/2003	11/30/2010	9	0.36			6.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Thallium	12/1/2003	11/30/2010	3	0.38			0.75	ID	NA	☐	NA		

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AUID 2304_08 — From downstream of US Hwy 277 (Eagle Pass) upstream to the Las Moras Creek confluence

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	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	12/1/2001	11/30/2010	16	56.07	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	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	550	569.22	0		1,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	445	96.29	0		200.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	442	161.54	0		300.00	AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	12		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	12		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	8		0		0.37	LD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	12		1	25	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	12		2	21.7	14.10	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	15	0.05			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	17	0.90			62.00	AD	FS	☐	FS		

AUID 2304_08 From downstream of US Hwy 277 (Eagle Pass) upstream to the Las Moras Creek confluence

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	15	0.24			1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Mercury	12/1/2003	11/30/2010	2	0.01			0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	9	0.36			6.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	3	0.38			0.75	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	Selenium	12/1/2003	11/30/2010	4	1.47			50.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	15	0.24			1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Antimony	12/1/2003	11/30/2010	9	0.36			6.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	374	1.34	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	15	0.05			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	18	80.96			2,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	28	2.36			10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Thallium	12/1/2003	11/30/2010	3	0.38			0.75	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	305	0.57	0		4.00	AD	FS	☐	FS		

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AUID 2304_09 From the Las Moras Creek confluence upstream to the San Felipe Creek confluence

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	70		1	4.8	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	70		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	2		0		20.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	2		0		262.16	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	2		0		3,238.12	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	1		0		252.14	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	2		0		1,222.66	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	2		0		98.82	ID	NA	☐	NA		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	2		0		360.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	2		0		991.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	2		0		46.31	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	2	3.00	0		25.68	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	2	4.00	0		217.11	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	2	1.30	0		5.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	2	2.09	0		190.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	1	0.50	0		7.56	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	2	2.00	0		360.87	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	2	0.05	0		2.03	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	2	8.50	0		326.19	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	Aldrin	12/1/2003	11/30/2010	5		0		80.00	LD	NC	☐	NC		

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AUID 2304_09 From the Las Moras Creek confluence upstream to the San Felipe Creek confluence

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Arsenic	12/1/2003	11/30/2010	1		0		33.00	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	Chlordane	12/1/2003	11/30/2010	5		0		17.60	LD	NC	☐	NC		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	5		0		28.00	LD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	1		0		459.00	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	DDE	12/1/2003	11/30/2010	5		0		31.30	LD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	5		0		62.90	LD	NC	☐	NC		
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	PCBs	12/1/2003	11/30/2010	4		0		676.00	LD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	1		0		48.60	ID	NA	☐	NA		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	5		0		207.00	LD	NC	☐	NC		
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	1		0		1.06	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	Dieldrin	12/1/2003	11/30/2010	5		0		61.80	LD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	1		0		128.00	ID	NA	☐	NA		
Toxic Substances in sediment	Toxaphene	12/1/2003	11/30/2010	4		0		32.00	LD	NC	☐	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	5		0		240.00	LD	NC	☐	NC		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	5		0		1,300.00	LD	NC	☐	NC		

AUID 2304_09 — From the Las Moras Creek confluence upstream to the San Felipe Creek confluence

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	58	345.44	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	78		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	77		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	77		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	550	569.22	0		1,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	445	96.29	0		200.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	442	161.54	0		300.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	74		2	28	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	35		2	0.76	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	67		3	20.3	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	73		2	0.76	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	72		4	1.08	0.69	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	15	0.05	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	17	0.90	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	15	0.24	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Mercury	12/1/2003	11/30/2010	2	0.01			0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	9	0.36			6.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	3	0.38			0.75	ID	NA	☐	NA		

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AUID **2304_09** From the Las Moras Creek confluence upstream to the San Felipe Creek confluence

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	15	0.05	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Thallium	12/1/2003	11/30/2010	3	0.38			0.75	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Antimony	12/1/2003	11/30/2010	9	0.36			6.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	4	1.47	0		50.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	374	1.34	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Mercury	12/1/2003	11/30/2010	2	0.01			0.01	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	305	0.57	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	18	80.96			2,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	28	2.36	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	15	0.24	0		1.15	AD	FS	☐	FS		

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AUID 2304_10 From the San Felipe Creek confluence upstream to the Amistad Dam

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	57		3	3.87	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	57		1	2.2	3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	1		0		1,439.32	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	1		0		18.77	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	1		0		116.38	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	1		0		74.44	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	1		0		33.52	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	10		0		360.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	1		0		557.71	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	1	1.27	0		25.68	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	1	4.84	0		217.11	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	1	0.59	0		7.56	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	1	0.50	0		360.87	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	1	0.05	0		2.03	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	4	2.10	0		190.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	1	3.20	0		326.19	ID	NA	☐	NA		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	5		0		28.00	LD	NC	☐	NC		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	5		0		1,300.00	LD	NC	☐	NC		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	5		0		31.30	LD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	5		0		62.90	LD	NC	☐	NC		

AUID 2304_10 — From the San Felipe Creek confluence upstream to the Amistad Dam

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Toxaphene	12/1/2003	11/30/2010	4		0		32.00	LD	NC	☐	NC		
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	4		0		676.00	LD	NC	☐	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	5		0		240.00	LD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	5		0		61.80	LD	NC	☐	NC		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	5		0		17.60	LD	NC	☐	NC		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	5		0		80.00	LD	NC	☐	NC		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	5		0		207.00	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	47	34.74	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	59		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	59		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	59		2	6.28	6.50	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	445	96.29	0		200.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	442	161.54	0		300.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	550	569.22	0		1,000.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	60		1	25	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	53		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	62		1	0.6	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	63		1	1.25	0.69	AD	NC	☐	NC		

AUID 2304_10 — From the San Felipe Creek confluence upstream to the Amistad Dam

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	54		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	17	0.90	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	3	0.38			0.75	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	9	0.36			6.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	15	0.24	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	15	0.05	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Mercury	12/1/2003	11/30/2010	2	0.01			0.01	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	Nitrate	12/1/2003	11/30/2010	374	1.34	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	18	80.96			2,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Antimony	12/1/2003	11/30/2010	9	0.36			6.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	4	1.47			50.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Thallium	12/1/2003	11/30/2010	3	0.38			0.75	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	15	0.24	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	15	0.05	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	28	2.36	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	305	0.57	0		4.00	AD	FS	☐	FS		

SEGID 2304B Manadas Creek (unclassified water body)

AUID 2304B_01 From the Rio Grande confluence in Laredo to a point 1.3 km (0.81 mi) upstream of Bob Bullock Loop

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		1	3.8	5.00	LD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	8		0		3.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Mercury	12/1/2003	11/30/2010	1		0		2.40	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	4		0		991.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	4		0		595.91	LD	NC	☐	NC		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	11		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	4		0		7,351.21	LD	NC	☐	NC		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	4		0		115.42	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	4		0		2,704.01	LD	NC	☐	NC		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	4		0		294.85	LD	NC	☐	NC		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	4		0		360.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	4		0		865.83	LD	NC	☐	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	4	5.00	0		341.26	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	11	3.67	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Mercury	12/1/2003	11/30/2010	1	0.00	0		1.30	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	4	3.39	0		8.09	LD	NC	☐	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	4	2.19	0		26.88	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	4	3.57	0		377.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	4	0.59	0		2.12	LD	NC	☐	NC		

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AUID 2304B_01 From the Rio Grande confluence in Laredo to a point 1.3 km (0.81 mi) upstream of Bob Bullock Loop

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	Arsenic	12/1/2003	11/30/2010	4	6.57	0		190.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	4	13.90	0		227.16	LD	NC	☐	NC		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	5		0		1,300.00	LD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	9		0		128.00	LD	NC	☐	NC		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	5		0		31.30	LD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	5		0		62.90	LD	NC	☐	NC		
Toxic Substances in sediment	Toxaphene	12/1/2003	11/30/2010	5		0		32.00	LD	NC	☐	NC		
Toxic Substances in sediment	Antimony	12/1/2003	11/30/2010	3		2	72.4	25.00	ID	NA	☐	NA		
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	9		0		459.00	LD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	9		0		2.20	LD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	9		0		48.60	LD	NC	☐	NC		
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	4		0		1.06	LD	NC	☐	NC		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	5		0		207.00	LD	NC	☐	NC		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	5		0		80.00	LD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	5		0		61.80	LD	NC	☐	NC		
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	5		0		676.00	LD	NC	☐	NC		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	5		0		28.00	LD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	9		0		149.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2003	11/30/2010	9		0		111.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	5		0		17.60	LD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	9		0		4.98	LD	NC	☐	NC		

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AUID 2304B_01 From the Rio Grande confluence in Laredo to a point 1.3 km (0.81 mi) upstream of Bob Bullock Loop

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	Arsenic	12/1/2003	11/30/2010	9		0		33.00	LD	NC	☐	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	5		0		240.00	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	12/1/2001	11/30/2010	11	439.69	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	Total Phosphorus	12/1/2003	11/30/2010	17		3	1.54	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	18		12	77.28	14.10	AD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	10		2	9.35	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	18		2	4.54	0.33	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	4	3.57	0		502.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	4	3.39	0		3.83	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Mercury	12/1/2003	11/30/2010	1	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	5	104.80	0		1,071.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	9	0.53				LD	NC	☐	NC		

SEGID 2305 International Amistad Reservoir

AUID 2305_01 Rio Grande Arm

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		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	2		0		360.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	2	2.30	0		190.00	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	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	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	Arsenic	12/1/2003	11/30/2010	1		0		33.00	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	Manganese	12/1/2003	11/30/2010	1		0		1,100.00	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	21	1.93	0		126.00	AD	FS	☐	FS		

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AUID 2305_01 Rio Grande Arm

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	28		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	28		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	85	561.19	0		800.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	70	99.77	0		150.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	71	162.11	0		270.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	24		7	0.64	0.37	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	24		0		0.05	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	23		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	19		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 HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	2	2.30	0		10.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	71	0.61	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	73	0.31	0		10.00	AD	FS	☐	FS		

AUID 2305_02 Devils River arm

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	4.73	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		
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	1		0		459.00	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	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	Mercury	12/1/2003	11/30/2010	1		0		1.06	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	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		

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	2.65	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		31.10	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	85	561.19	0		800.00	AD	FS	☐	FS		

AUID 2305_02 Devils River arm

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	70	99.77	0		150.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	71	162.11	0		270.00	AD	FS	☐	FS		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	22		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	23		13	0.59	0.37	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	19		0		26.70	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	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 HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	71	0.61	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	73	0.31	0		10.00	AD	FS	☐	FS		

AUID 2305_03 Area around International Boundary Buoy I (dam)

USE Aquatic Life Use

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

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	1.70	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	27		0		31.10	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	85	561.19	0		800.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	70	99.77	0		150.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	71	162.11	0		270.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	23		3	0.45	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	23		1	0.4	0.05	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	23		1	0.2	0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	23		1	0.4	0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	19		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 HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	71	0.61	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	73	0.31	0		10.00	AD	FS	☐	FS		

AUID 2305_04 Remainder of reservoir

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	71	162.11			270.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	85	561.19			800.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	70	99.77			150.00	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	71	0.61			4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	73	0.31			10.00	AD	FS	☐	FS		

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SEGID 2306 Rio Grande Above Amistad Reservoir

AUID 2306_01 — From the lower segment boundary at Ramsey Canyon upstream to the confluence of Panther Gulch

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	41		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	41		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	21		0		290.32	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	22		0		991.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	29		0		360.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	23		0		117.46	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	22		0		1,349.36	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	22		0		51.88	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	23		0		306.43	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	21		0		3,585.30	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	20	2.15	0		227.93	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	20	2.20	0		342.42	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	22	0.10	0		8.13	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	21	1.90	0		26.97	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	21	0.23	0		378.24	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	28	2.69	0		190.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	22	0.03	0		2.12	AD	FS	☐	FS		
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		

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AUID 2306_01 — From the lower segment boundary at Ramsey Canyon upstream to the confluence of Panther Gulch

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	12/1/2003	11/30/2010	1		0		48.60	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	Copper	12/1/2003	11/30/2010	1		0		149.00	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	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	Lead	12/1/2003	11/30/2010	1		0		128.00	ID	NA	☐	NA		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	12	35.78	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	41		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	42		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	42		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	282	290.52	0		300.00	JQ	FS	☑	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	281	591.60	1		570.00	AD	NS	☐	NS	sulfate	5c
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	395	1547.47	0		1,550.00	JQ	FS	☑	NS	total dissolved solids	5c
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	40		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	41		0		0.33	AD	NC	☐	NC		

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AUID 2306_01 — From the lower segment boundary at Ramsey Canyon upstream to the confluence of Panther Gulch

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	39		12	1.82	0.69	AD	CS	☐	CS	total phosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	13		2	27.45	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	42		0		1.95	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	10	0.02	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	9	0.23	0		62.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	10	0.15	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	10	0.30	0		6.00	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	173	1.16	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Antimony	12/1/2003	11/30/2010	10	0.30	0		6.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	10	0.15	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	10	96.40	0		2,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	27	2.91	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	10	0.02	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	374	1.34	0		10.00	AD	FS	☐	FS		

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AUID 2306_02 — From the confluence of Panther Gulch upstream to FM 2627

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	4		0		5.00	LD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	4		0		3.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	3		0		360.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	3	3.40	0		190.00	ID	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	4		0		33.90	LD	NC	☐	NC		
High pH	pH	12/1/2003	11/30/2010	4		0		9.00	LD	NC	☐	NC		
Low pH	pH	12/1/2003	11/30/2010	4		0		6.50	LD	NC	☐	NC		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	281	591.60	1		570.00	AD	NS	☐	NS	sulfate	5c
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	395	1547.47	0		1,550.00	JQ	FS	☑	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2003	11/30/2010	282	290.52	0		300.00	JQ	FS	☑	NS	chloride	5c
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	3		0		0.33	ID	NA	☐	NA		
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		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	10	0.02			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	9	0.23			62.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	10	0.15			1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	10	0.30			6.00	AD	FS	☐	FS		

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AUID **2306_02** From the confluence of Panther Gulch upstream to FM 2627

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	Antimony	12/1/2003	11/30/2010	10	0.30			6.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	27	2.91	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	10	96.40			2,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	10	0.02			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	173	1.16			4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	10	0.15			1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	374	1.34	0		10.00	AD	FS	☐	FS		

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AUID 2306_03 — From FM 2627 upstream to Boquillas Canyon

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		2	3.61	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	22		1	2.3	3.00	AD	FS	☐	FS		
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	4.30	0		190.00	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	17	19.18	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	23		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	23		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	23		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	395	1547.47	0		1,550.00	JQ	FS	☑	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2003	11/30/2010	282	290.52	0		300.00	JQ	FS	☑	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	281	591.60	1		570.00	AD	NS	☐	NS	sulfate	5c
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	24		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	20		9	31.58	14.10	AD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	21		4	7.16	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	21		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	23		0		0.33	AD	NC	☐	NC		

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AUID 2306_03 — From FM 2627 upstream to Boquillas Canyon

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	10	0.02			5.00	ID	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	9	0.23			62.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	10	0.15			1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	10	0.30			6.00	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	Lead	12/1/2003	11/30/2010	10	0.15			1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	27	2.91	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Antimony	12/1/2003	11/30/2010	10	0.30			6.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	374	1.34	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	10	96.40			2,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	173	1.16	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	10	0.02			5.00	AD	FS	☐	FS		

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AUID 2306_04 From Boquillas Canyon upstream to Mariscal Canyon

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		1	2.4	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	48		1	2.4	3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	2		0		360.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	2	3.25	0		190.00	ID	NA	☐	NA		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	1		0		62.90	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	1		0		240.00	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	2		0		550.00	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachloroethane	12/1/2003	11/30/2010	2		0		13,770.00	ID	NA	☐	NA		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	1		0		1,300.00	ID	NA	☐	NA		
Toxic Substances in sediment	Naphthalene	12/1/2003	11/30/2010	2		0		561.00	ID	NA	☐	NA		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	1		0		31.30	ID	NA	☐	NA		
Toxic Substances in sediment	Pyrene	12/1/2003	11/30/2010	2		0		1,520.00	ID	NA	☐	NA		
Toxic Substances in sediment	Di-n-butyl phthalate	12/1/2003	11/30/2010	2		0		43.00	ID	NA	☐	NA		
Toxic Substances in sediment	Nitrobenzene	12/1/2003	11/30/2010	2		0		161.06	ID	NA	☐	NA		
Toxic Substances in sediment	Fluorene	12/1/2003	11/30/2010	2		0		536.00	ID	NA	☐	NA		
Toxic Substances in sediment	Phenanthrene	12/1/2003	11/30/2010	2		0		1,170.00	ID	NA	☐	NA		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	1		0		207.00	ID	NA	☐	NA		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	1		0		61.80	ID	NA	☐	NA		
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2003	11/30/2010	2		0		140.00	ID	NA	☐	NA		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	1		0		28.00	ID	NA	☐	NA		
Toxic Substances in sediment	Chrysene	12/1/2003	11/30/2010	2		0		1,290.00	ID	NA	☐	NA		

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AUID 2306_04 — From Boquillas Canyon upstream to Mariscal Canyon

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	Chlordane	12/1/2003	11/30/2010	1		0		17.60	ID	NA	☐	NA		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2003	11/30/2010	2		0		1,450.00	ID	NA	☐	NA		
Toxic Substances in sediment	Anthracene	12/1/2003	11/30/2010	2		0		845.00	ID	NA	☐	NA		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	1		0		80.00	ID	NA	☐	NA		
Toxic Substances in sediment	Acenaphthylene	12/1/2003	11/30/2010	2		0		130.00	ID	NA	☐	NA		
Toxic Substances in sediment	Acenaphthene	12/1/2003	11/30/2010	2		0		89.00	ID	NA	☐	NA		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2003	11/30/2010	2		0		1,050.00	ID	NA	☐	NA		
Toxic Substances in sediment	Fluoranthene	12/1/2003	11/30/2010	2		0		2,230.00	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	31	30.80	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	50		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	50		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	50		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	395	1547.47	0		1,550.00	JQ	FS	☑	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2003	11/30/2010	282	290.52	0		300.00	JQ	FS	☑	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	281	591.60	1		570.00	AD	NS	☐	NS	sulfate	5c
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	42		3	5.4	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	46		2	2.85	0.33	AD	NC	☐	NC		

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AUID **2306_04** From Boquillas Canyon upstream to Mariscal Canyon

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	47		7	4.78	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	43		16	47.8	14.10	AD	CS	☐	CS	chlorophyll-a	
Fish Kill Reports	Fish Kill Reports	12/1/2003	11/30/2010						OE	CN	☑	CN	fish kill report	

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	10	0.15			1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	10	0.30			6.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	10	0.02			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	9	0.23			62.00	LD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	27	2.91	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	10	96.40			2,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	10	0.02			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	173	1.16	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	10	0.15			1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	374	1.34	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Antimony	12/1/2003	11/30/2010	10	0.30			6.00	AD	FS	☐	FS		

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AUID 2306_05 — From Mariscal Canyon to a point upstream of the IBWC gage at Johnson Ranch

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	4		0		5.00	LD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	4		0		3.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	4		0		360.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	4	3.20	0		190.00	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	4		0		33.90	LD	NC	☐	NC		
High pH	pH	12/1/2003	11/30/2010	4		0		9.00	LD	NC	☐	NC		
Low pH	pH	12/1/2003	11/30/2010	4		0		6.50	LD	NC	☐	NC		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	282	290.52	0		300.00	JQ	FS	☑	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	281	591.60	1		570.00	AD	NS	☐	NS	sulfate	5c
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	395	1547.47	0		1,550.00	JQ	FS	☑	NS	total dissolved solids	5c
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	4		0		1.95	LD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	4		0		0.37	LD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	4		0		0.33	LD	NC	☐	NC		
Fish Kill Reports	Fish Kill Reports	12/1/2003	11/30/2010						OE	CN	☑	CN	fish kill report	

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	10	0.02			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	9	0.23			62.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	10	0.15			1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	10	0.30			6.00	AD	FS	☐	FS		

AUID 2306_05 From Mariscal Canyon to a point upstream of the IBWC gage at Johnson Ranch

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	Lead	12/1/2003	11/30/2010	10	0.15			1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Antimony	12/1/2003	11/30/2010	10	0.30			6.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	173	1.16			4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	10	0.02			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	10	96.40			2,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	27	2.91	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	374	1.34	0		10.00	AD	FS	☐	FS		

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AUID 2306_06 — From a point upstream of the IBWC gage at Johnson Ranch to the mouth of Santa Elena Canyon at the Terlingua Creek confluence

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	64		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	64		0		3.00	AD	FS	☐	FS		
Acute Ambient Toxicity tests in water	Water Acute Toxicity	12/1/2003	11/30/2010	10					AD	FS	☐	FS		
Toxic Substances in sediment	Nitrobenzene	12/1/2003	11/30/2010	1		0		161.06	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	Hexachloroethane	12/1/2003	11/30/2010	1		0		13,770.00	ID	NA	☐	NA		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	2		0		1,300.00	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	PCBs	12/1/2003	11/30/2010	1		0		676.00	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	Toxaphene	12/1/2003	11/30/2010	1		0		32.00	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2		0		240.00	ID	NA	☐	NA		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	2		0		62.90	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	DDE	12/1/2003	11/30/2010	2		0		31.30	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	Chrysene	12/1/2003	11/30/2010	1		0		1,290.00	ID	NA	☐	NA		
Toxic Substances in sediment	Acenaphthylene	12/1/2003	11/30/2010	1		0		130.00	ID	NA	☐	NA		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	2		0		80.00	ID	NA	☐	NA		
Toxic Substances in sediment	Anthracene	12/1/2003	11/30/2010	1		0		845.00	ID	NA	☐	NA		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2003	11/30/2010	1		0		1,450.00	ID	NA	☐	NA		

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AUID 2306_06 — From a point upstream of the IBWC gage at Johnson Ranch to the mouth of Santa Elena Canyon at the Terlingua Creek confluence

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Fluorene	12/1/2003	11/30/2010	1		0		536.00	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	Acenaphthene	12/1/2003	11/30/2010	1		0		89.00	ID	NA	☐	NA		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	2		0		28.00	ID	NA	☐	NA		
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2003	11/30/2010	1		0		140.00	ID	NA	☐	NA		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	2		0		61.80	ID	NA	☐	NA		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	2		0		207.00	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	Chlordane	12/1/2003	11/30/2010	2		0		17.60	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	E. coli	12/1/2003	11/30/2010	49	41.90	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	67		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	67		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	67		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	395	1547.47	0		1,550.00	JQ	FS	☑	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2003	11/30/2010	282	290.52	0		300.00	JQ	FS	☑	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	281	591.60	1		570.00	AD	NS	☐	NS	sulfate	5c
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	63		35	60.03	14.10	AD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	63		3	5.13	1.95	AD	NC	☐	NC		

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AUID 2306_06 — From a point upstream of the IBWC gage at Johnson Ranch to the mouth of Santa Elena Canyon at the Terlingua Creek confluence

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	26		1	0.65	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	66		2	3.33	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	68		9	1.69	0.69	AD	NC	☐	NC		
Fish Kill Reports	Fish Kill Reports	12/1/2003	11/30/2010						OE	CN	☑	CN	fish kill report	

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	9	0.23			62.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	10	0.15			1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	10	0.30			6.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	10	0.02			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	Lead	12/1/2003	11/30/2010	10	0.15			1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	10	96.40			2,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Antimony	12/1/2003	11/30/2010	10	0.30			6.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	374	1.34	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	10	0.02			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	27	2.91			10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	173	1.16	0		4.00	AD	FS	☐	FS		

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AUID 2306_07 — From the mouth of Santa Elena Canyon at the Terlingua Creek confluence upstream to the Alamito Creek confluence

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	9		0		5.00	LD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	9		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	3	18.48	0		126.00	ID	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	9		0		33.90	LD	NC	☐	NC		
High pH	pH	12/1/2003	11/30/2010	9		0		9.00	LD	NC	☐	NC		
Low pH	pH	12/1/2003	11/30/2010	9		0		6.50	LD	NC	☐	NC		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	281	591.60	1		570.00	AD	NS	☐	NS	sulfate	5c
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	395	1547.47	0		1,550.00	JQ	FS	☑	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2003	11/30/2010	282	290.52	0		300.00	JQ	FS	☑	NS	chloride	5c
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	4		1	40	14.10	LD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	6		0		0.69	LD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	7		0		0.33	LD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	7		0		1.95	LD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	1		0		0.37	ID	NA	☐	NA		
Fish Kill Reports	Fish Kill Reports	12/1/2003	11/30/2010						OE	CN	☑	CN	fish kill report	

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	10	0.02			5.00	AD	FS	☐	FS		

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AUID 2306_07 — From the mouth of Santa Elena Canyon at the Terlingua Creek confluence upstream to the Alamito Creek confluence

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	9	0.23			62.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	10	0.15			1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	10	0.30			6.00	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	Cadmium	12/1/2003	11/30/2010	10	0.02			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Antimony	12/1/2003	11/30/2010	10	0.30			6.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	374	1.34	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	10	0.15			1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	10	96.40			2,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	27	2.91	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	173	1.16	0		4.00	AD	FS	☐	FS		

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AUID 2306_08 — From Alamito Creek confluence upstream to the Rio Conchos confluence

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	174		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	174		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	4		0		5,895.03	LD	NC	☐	NC		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	4		0		477.71	LD	NC	☐	NC		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	3		0		621.11	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	4		0		90.26	LD	NC	☐	NC		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	2		0		219.67	ID	NA	☐	NA		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	6		0		360.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	4		0		991.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	4		0		2,183.71	LD	NC	☐	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	4	3.60	0		26.97	LD	NC	☐	NC		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	4	2.40	0		227.93	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	5	2.58	0		190.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	3	0.07	0		8.13	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	4	0.40	0		378.24	LD	NC	☐	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	2	0.03	0		2.12	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	4	3.23	0		342.42	LD	NC	☐	NC		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	6		0		1,300.00	LD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	6		0		62.90	LD	NC	☐	NC		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	6		0		31.30	LD	NC	☐	NC		
Toxic Substances in sediment	Toxaphene	12/1/2003	11/30/2010	5		0		32.00	LD	NC	☐	NC		

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AUID 2306_08 — From Alamito Creek confluence upstream to the Rio Conchos confluence

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	5		0		676.00	LD	NC	☐	NC		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	6		0		207.00	LD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	6		0		61.80	LD	NC	☐	NC		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	6		0		28.00	LD	NC	☐	NC		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	6		0		80.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	6		0		17.60	LD	NC	☐	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	6		0		240.00	LD	NC	☐	NC		
TOXNET ambient toxicity tests in water - lethality	Water Toxicity - Lethal Effects	12/1/2003	11/30/2010	6					LD	NC	☐	NC		
TOXNET ambient toxicity tests in water - sublethality	Water Toxicity - Sublethal Effects	12/1/2003	11/30/2010	2					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	121	123.76	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	179		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	179		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	179		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	281	591.60	1		570.00	AD	NS	☐	NS	sulfate	5c
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	395	1547.47	0		1,550.00	JQ	FS	☑	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2003	11/30/2010	282	290.52	0		300.00	JQ	FS	☑	NS	chloride	5c
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	72		46	68.56	14.10	AD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	80		10	0.99	0.69	AD	NC	☐	NC		

AUID 2306_08 From Alamito Creek confluence upstream to the Rio Conchos confluence

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	79		6	1	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	73		14	5.17	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	36		4	0.61	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	Cadmium	12/1/2003	11/30/2010	10	0.02			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	10	0.15			1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	10	0.30			6.00	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	Ethylbenzene	12/1/2003	11/30/2010	1	2.50	0		700.00	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	Fluoride	12/1/2003	11/30/2010	173	1.16	0		4.00	AD	FS	☐	FS		
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	Ethylbenzene	12/1/2003	11/30/2010	1	2.50	0		700.00	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	Antimony	12/1/2003	11/30/2010	10	0.30			6.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	374	1.34	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	10	0.02			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	10	96.40			2,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	27	2.91	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	10	0.15			1.15	AD	FS	☐	FS		

SEGID 2306A Alamito Creek (unclassified water body)

AUID 2306A_01 From the confluence with the Rio Grande upstream to Ranch Road 169 crossing

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	Nickel	12/1/2003	11/30/2010	19		0		3,985.77	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	20		0		322.80	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	21		0		344.67	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	19		0		58.37	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	21		0		130.36	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	27		0		360.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	20		0		991.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	21		0		1,495.02	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	19	2.46	0		26.88	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	20	2.29	0		227.16	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	27	4.65	0		190.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	21	0.09	0		8.09	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	21	0.23	0		377.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	21	0.04	0		2.12	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	19	3.85	0		341.26	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	27		2	2.61	1.95	AD	NC	☐	NC		

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AUID **2306A_01** From the confluence with the Rio Grande upstream to Ranch Road 169 crossing

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	27		3	0.52	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	27		3	1.3	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	27		4	1.6	0.69	AD	NC	☐	NC		

USE **Fish Consumption Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	21	0.09	0		3.83	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Antimony	12/1/2003	11/30/2010	21	0.38	0		1,071.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	21	0.23	0		502.00	AD	FS	☐	FS		

SEGID 2307 Rio Grande Below Riverside Diversion Dam

AUID 2307_01 — From immediately upstream of the Rio Conchos confluence to a point 40.2 km (25 mi) upstream

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	73		4	4.44	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	73		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	1		0		360.00	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	5		0		240.00	LD	NC	☐	NC		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	5		0		31.30	LD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	5		0		62.90	LD	NC	☐	NC		
Toxic Substances in sediment	Toxaphene	12/1/2003	11/30/2010	5		0		32.00	LD	NC	☐	NC		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	5		0		1,300.00	LD	NC	☐	NC		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	5		0		207.00	LD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	5		0		61.80	LD	NC	☐	NC		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	5		0		28.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	5		0		17.60	LD	NC	☐	NC		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	5		0		80.00	LD	NC	☐	NC		
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	5		0		676.00	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	54	54.72	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	75		0		33.90	AD	FS	☐	FS		

AUID 2307_01 From immediately upstream of the Rio Conchos confluence to a point 40.2 km (25 mi) upstream

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
High pH	pH	12/1/2003	11/30/2010	75		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	75		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	249	420.11	1		300.00	AD	NS	☐	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	254	436.62	0		550.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	265	1547.41	1		1,500.00	AD	NS	☐	NS	total dissolved solids	5c
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	31		7	0.8	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	72		4	2.3	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	73		16	1.24	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	73		56	71.64	14.10	AD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	69		16	6.99	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	1,2-Dichloroethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	13	4.23			70.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	DDE	12/1/2003	11/30/2010	12	0.00			0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	13	0.13			0.25	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	13	4.23			200.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromoform	12/1/2003	11/30/2010	13	4.23			69.10	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	13	1.60			3.20	AD	FS	☐	FS		

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AUID 2307_01 — From immediately upstream of the Rio Conchos confluence to a point 40.2 km (25 mi) 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	Ethylbenzene	12/1/2003	11/30/2010	14	4.11	0		700.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	2,4-Dimethylphenol	12/1/2003	11/30/2010	11	2.64			257.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	13	2.58			7.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	13	0.33			0.65	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Nitrobenzene	12/1/2003	11/30/2010	12	2.88			11.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Pentachlorobenzene	12/1/2003	11/30/2010	13	0.50			1.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2003	11/30/2010	13	4.23			100.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	2	0.25			0.75	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2003	11/30/2010	11	4.69			473.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	13	0.15			0.30	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	o-Dichlorobenzene	12/1/2003	11/30/2010	11	4.69			600.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Silvex	12/1/2003	11/30/2010	12	0.26			7.30	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	13	0.08			0.16	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	13	0.06			0.12	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	N-Nitrosodiethylamine	12/1/2003	11/30/2010	13	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	13	11.15			13,932.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachlorophene	12/1/2003	11/30/2010	8	0.00			0.01	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Endrin	12/1/2003	11/30/2010	12	0.03			0.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cresols	12/1/2003	11/30/2010	12	5.32			736.00	AD	FS	☐	FS		

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AUID 2307_01 — From immediately upstream of the Rio Conchos confluence to a point 40.2 km (25 mi) 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	Pyridine	12/1/2003	11/30/2010	11	3.48			23.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	38	2.08			62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	13	2.05			4.10	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	13	0.40			0.80	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzidine	12/1/2003	11/30/2010	13	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzo(a)anthracene	12/1/2003	11/30/2010	13	0.03			0.07	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzo(a)pyrene	12/1/2003	11/30/2010	13	0.03			0.07	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2003	11/30/2010	13	0.00			0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chrysene	12/1/2003	11/30/2010	13	4.38			68.13	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	DDD	12/1/2003	11/30/2010	12	0.01			0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	11	2.71			6.50	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Di-n-butyl phthalate	12/1/2003	11/30/2010	13	4.38			1,318.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	14	4.82	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	33	0.34			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2003	11/30/2010	11	3.64			27.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	11	2.98			1,194.00	AD	FS	☐	FS		

AUID 2307_01 From immediately upstream of the Rio Conchos confluence to a point 40.2 km (25 mi) 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	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	10	0.50			1.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2003	11/30/2010	13	2.70			10.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	DDT	12/1/2003	11/30/2010	12	0.00			0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2003	11/30/2010	13	0.00			0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	12	0.03			0.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	PCBs	12/1/2003	11/30/2010	2	0.00			0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Methoxychlor	12/1/2003	11/30/2010	12	0.03			0.33	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	31	0.30			1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dicofol (Kelthane)	12/1/2003	11/30/2010	12	0.04			0.08	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	1,1,2-Trichloroethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chlorobenzene	12/1/2003	11/30/2010	13	4.23			100.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Vinyl chloride	12/1/2003	11/30/2010	13	0.13			0.25	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	DDE	12/1/2003	11/30/2010	12	0.00			0.01	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,1-Trichloroethane	12/1/2003	11/30/2010	13	4.23			200.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bromoform	12/1/2003	11/30/2010	13	4.23			69.10	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Toluene	12/1/2003	11/30/2010	14	4.11	0		1,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Tetrachloroethene	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	13	1.60			3.20	AD	FS	☐	FS		

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AUID 2307_01 — From immediately upstream of the Rio Conchos confluence to a point 40.2 km (25 mi) 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	Nitrobenzene	12/1/2003	11/30/2010	12	2.88			11.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Ethylbenzene	12/1/2003	11/30/2010	14	4.11	0		700.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dichloropropane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dichloroethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chloroform	12/1/2003	11/30/2010	13	4.23			70.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachlorocyclopentadiene	12/1/2003	11/30/2010	10	5.31			50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Carbon tetrachloride	12/1/2003	11/30/2010	13	2.05			4.10	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1-Dichloroethylene	12/1/2003	11/30/2010	13	2.58			7.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Silvex	12/1/2003	11/30/2010	12	0.26			7.30	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bis(2-ethylhexyl)phthalate	12/1/2003	11/30/2010	13	2.69			6.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Thallium	12/1/2003	11/30/2010	2	0.25			0.75	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Trihalomethane	12/1/2003	11/30/2010	4	2.50			80.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	2,4-Dimethylphenol	12/1/2003	11/30/2010	11	2.64			257.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bromodichloromethane	12/1/2003	11/30/2010	13	2.70			10.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	o-Dichlorobenzene	12/1/2003	11/30/2010	11	4.69			600.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Dichloromethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Pyridine	12/1/2003	11/30/2010	11	3.48			23.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	13	0.33			0.65	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Pentachlorobenzene	12/1/2003	11/30/2010	13	0.50			1.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	13	0.06			0.12	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	N-Nitrosodiethylamine	12/1/2003	11/30/2010	13	0.00			0.00	AD	FS	☐	FS		

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AUID 2307_01 — From immediately upstream of the Rio Conchos confluence to a point 40.2 km (25 mi) 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	Methyl ethyl ketone	12/1/2003	11/30/2010	13	11.15			13,932.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachlorophene	12/1/2003	11/30/2010	8	0.00			0.01	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Cresols	12/1/2003	11/30/2010	12	5.32			736.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dibromoethane	12/1/2003	11/30/2010	13	0.08			0.16	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2003	11/30/2010	11	4.69			473.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzo(a)anthracene	12/1/2003	11/30/2010	13	0.03			0.07	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	222	0.72	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Endrin	12/1/2003	11/30/2010	12	0.03			0.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Dieldrin	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	DDD	12/1/2003	11/30/2010	12	0.01			0.01	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chrysene	12/1/2003	11/30/2010	13	4.38			68.13	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chlordane	12/1/2003	11/30/2010	13	0.00			0.01	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Heptachlor	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzo(a)pyrene	12/1/2003	11/30/2010	13	0.03			0.07	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzidine	12/1/2003	11/30/2010	13	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	7	60.16			2,000.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Benzene	12/1/2003	11/30/2010	14	4.82	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Anthracene	12/1/2003	11/30/2010	13	4.38			5,569.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Aldrin	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Acrylonitrile	12/1/2003	11/30/2010	13	0.40			0.80	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	2,4-D	12/1/2003	11/30/2010	11	0.26			70.00	AD	FS	☐	FS		

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AUID 2307_01 — From immediately upstream of the Rio Conchos confluence to a point 40.2 km (25 mi) 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	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	13	0.15			0.30	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	33	0.34			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	gamma-BHC (Lindane)	12/1/2003	11/30/2010	12	0.03			0.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	38	6.68			10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Heptachlor epoxide	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	11	2.98			1,194.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	10	0.50			1.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Dicofol (Kelthane)	12/1/2003	11/30/2010	12	0.04			0.08	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	DDT	12/1/2003	11/30/2010	12	0.00			0.01	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Toxaphene	12/1/2003	11/30/2010	13	0.00			0.01	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Trichloroethene	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	31	0.30			1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	11	2.71			6.50	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Di-n-butyl phthalate	12/1/2003	11/30/2010	13	4.38			1,318.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2003	11/30/2010	11	3.64			27.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	34	0.35			50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Methoxychlor	12/1/2003	11/30/2010	12	0.03			0.33	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	228	1.91	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	PCBs	12/1/2003	11/30/2010	2	0.00			0.00	ID	NA	☐	NA		

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AUID 2307_02 — From a point 40.2 km (25 mi) upstream of the Rio Conchos confluence to Little Box Canyon

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	4		0		5.00	LD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	4		0		3.00	LD	NC	☐	NC		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	17		0		1,300.00	AD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	17		0		62.90	AD	NC	☐	NC		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	17		0		31.30	AD	NC	☐	NC		
Toxic Substances in sediment	Toxaphene	12/1/2003	11/30/2010	16		0		32.00	AD	NC	☐	NC		
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	16		0		676.00	AD	NC	☐	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	17		0		240.00	AD	NC	☐	NC		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	17		0		207.00	AD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	17		0		61.80	AD	NC	☐	NC		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	17		0		28.00	AD	NC	☐	NC		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	17		0		80.00	AD	NC	☐	NC		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	17		0		17.60	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	1	1.00	0		126.00	ID	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	4		0		33.90	LD	NC	☐	NC		
High pH	pH	12/1/2003	11/30/2010	4		0		9.00	LD	NC	☐	NC		
Low pH	pH	12/1/2003	11/30/2010	4		0		6.50	LD	NC	☐	NC		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	265	1547.41	1		1,500.00	AD	NS	☐	NS	total dissolved solids	5c

2012 Texas Integrated Report: Assessment Results for Basin 23 - Rio Grande River

AUID 2307_02 — From a point 40.2 km (25 mi) upstream of the Rio Conchos confluence to Little Box Canyon

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	249	420.11	1		300.00	AD	NS	☐	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	254	436.62	0		550.00	AD	FS	☐	FS		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	5		2	1.02	0.69	LD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	1		1	28	14.10	ID	NA	☐	NA		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	27		21	0.72	0.37	AD	CS	☐	CS	orthophosphorus	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	5		2	2.65	1.95	LD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	5		2	1.61	0.33	LD	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-Dichloropropane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	13	0.13			0.25	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	13	4.23			200.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromoform	12/1/2003	11/30/2010	13	4.23			69.10	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	13	1.60			3.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	13	2.05			4.10	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	14	4.11			700.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	13	0.33			0.65	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	13	2.58			7.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 23 - Rio Grande River

AUID 2307_02 — From a point 40.2 km (25 mi) upstream of the Rio Conchos confluence to Little Box Canyon

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	13	4.23			100.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Nitrobenzene	12/1/2003	11/30/2010	12	2.88			11.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	13	4.23			70.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	11	2.98			1,194.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	13	0.08			0.16	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cresols	12/1/2003	11/30/2010	12	5.32			736.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachlorophene	12/1/2003	11/30/2010	8	0.00			0.01	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	13	11.15			13,932.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	N-Nitrosodiethylamine	12/1/2003	11/30/2010	13	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	13	0.06			0.12	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Pentachlorobenzene	12/1/2003	11/30/2010	13	0.50			1.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Silvex	12/1/2003	11/30/2010	12	0.26			7.30	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Pyridine	12/1/2003	11/30/2010	11	3.48			23.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	13	0.15			0.30	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2003	11/30/2010	11	4.69			473.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	o-Dichlorobenzene	12/1/2003	11/30/2010	11	4.69			600.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	DDE	12/1/2003	11/30/2010	12	0.00			0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzidine	12/1/2003	11/30/2010	13	0.00			0.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 23 - Rio Grande River

AUID 2307_02 — From a point 40.2 km (25 mi) upstream of the Rio Conchos confluence to Little Box Canyon

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	13	0.03			0.07	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzo(a)pyrene	12/1/2003	11/30/2010	13	0.03			0.07	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	33	0.34			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2003	11/30/2010	13	0.00			0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	38	2.08			62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chrysene	12/1/2003	11/30/2010	13	4.38			68.13	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	DDD	12/1/2003	11/30/2010	12	0.01			0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Endrin	12/1/2003	11/30/2010	12	0.03			0.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2003	11/30/2010	13	2.70			10.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	13	0.40			0.80	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	11	2.71			6.50	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2003	11/30/2010	11	3.64			27.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	31	0.30			1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Methoxychlor	12/1/2003	11/30/2010	12	0.03			0.33	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	PCBs	12/1/2003	11/30/2010	2	0.00			0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	12	0.03			0.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2003	11/30/2010	13	0.00			0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Di-n-butyl phthalate	12/1/2003	11/30/2010	13	4.38			1,318.00	AD	FS	☐	FS		

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AUID 2307_02 — From a point 40.2 km (25 mi) upstream of the Rio Conchos confluence to Little Box Canyon

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	DDT	12/1/2003	11/30/2010	12	0.00			0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dicofol (Kelthane)	12/1/2003	11/30/2010	12	0.04			0.08	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	10	0.50			1.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	14	4.82			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	2	0.25			0.75	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	2,4-Dimethylphenol	12/1/2003	11/30/2010	11	2.64			257.00	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	Ethylbenzene	12/1/2003	11/30/2010	14	4.11			700.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	15	0.33			0.65	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chloroform	12/1/2003	11/30/2010	13	4.23			70.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Vinyl chloride	12/1/2003	11/30/2010	13	0.13			0.25	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,1-Trichloroethane	12/1/2003	11/30/2010	13	4.23			200.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bromoform	12/1/2003	11/30/2010	13	4.23			69.10	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Toluene	12/1/2003	11/30/2010	14	4.11			1,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Tetrachloroethene	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dibromoethane	12/1/2003	11/30/2010	13	0.08			0.16	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrobenzene	12/1/2003	11/30/2010	12	2.88			11.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Methyl ethyl ketone	12/1/2003	11/30/2010	13	11.15			13,932.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dichloropropane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		

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AUID 2307_02 — From a point 40.2 km (25 mi) upstream of the Rio Conchos confluence to Little Box Canyon

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	1,1-Dichloroethylene	12/1/2003	11/30/2010	13	2.58			7.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dichloroethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chlorobenzene	12/1/2003	11/30/2010	13	4.23			100.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Carbon tetrachloride	12/1/2003	11/30/2010	13	2.05			4.10	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	13	1.60			3.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Pyridine	12/1/2003	11/30/2010	11	3.48			23.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bis(2-ethylhexyl)phthalate	12/1/2003	11/30/2010	13	2.69			6.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Thallium	12/1/2003	11/30/2010	2	0.25			0.75	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Hexachlorocyclopentadiene	12/1/2003	11/30/2010	10	5.31			50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	2,4-Dimethylphenol	12/1/2003	11/30/2010	11	2.64			257.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Dichloromethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	o-Dichlorobenzene	12/1/2003	11/30/2010	11	4.69			600.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cresols	12/1/2003	11/30/2010	12	5.32			736.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	13	0.15			0.30	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bromodichloromethane	12/1/2003	11/30/2010	13	2.70			10.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Trihalomethane	12/1/2003	11/30/2010	4	2.50			80.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Silvex	12/1/2003	11/30/2010	12	0.26			7.30	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Pentachlorobenzene	12/1/2003	11/30/2010	13	0.50			1.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	13	0.06			0.12	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	N-Nitrosodiethylamine	12/1/2003	11/30/2010	13	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,2-Trichloroethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		

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AUID 2307_02 — From a point 40.2 km (25 mi) upstream of the Rio Conchos confluence to Little Box Canyon

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	Hexachlorophene	12/1/2003	11/30/2010	8	0.00			0.01	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2003	11/30/2010	11	4.69			473.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzo(a)anthracene	12/1/2003	11/30/2010	13	0.03			0.07	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Heptachlor	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	222	0.72	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Endrin	12/1/2003	11/30/2010	12	0.03			0.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Dieldrin	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	DDD	12/1/2003	11/30/2010	12	0.01			0.01	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chrysene	12/1/2003	11/30/2010	13	4.38			68.13	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chlordane	12/1/2003	11/30/2010	13	0.00			0.01	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Heptachlor epoxide	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzo(a)pyrene	12/1/2003	11/30/2010	13	0.03			0.07	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	7	60.16			2,000.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Benzidine	12/1/2003	11/30/2010	13	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzene	12/1/2003	11/30/2010	14	4.82			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	38	6.68			10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	DDE	12/1/2003	11/30/2010	12	0.00			0.01	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Aldrin	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Acrylonitrile	12/1/2003	11/30/2010	13	0.40			0.80	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	2,4-D	12/1/2003	11/30/2010	11	0.26			70.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	33	0.34			5.00	AD	FS	☐	FS		

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AUID 2307_02 From a point 40.2 km (25 mi) upstream of the Rio Conchos confluence to Little Box Canyon

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	13	4.81			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Anthracene	12/1/2003	11/30/2010	13	4.38			5,569.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	10	0.50			1.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Dicofol (Kelthane)	12/1/2003	11/30/2010	12	0.04			0.08	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	DDT	12/1/2003	11/30/2010	12	0.00			0.01	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Di-n-butyl phthalate	12/1/2003	11/30/2010	13	4.38			1,318.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	gamma-BHC (Lindane)	12/1/2003	11/30/2010	12	0.03			0.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	34	0.35			50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	PCBs	12/1/2003	11/30/2010	2	0.00			0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	228	1.91	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Methoxychlor	12/1/2003	11/30/2010	12	0.03			0.33	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	31	0.30			1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	11	2.98			1,194.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2003	11/30/2010	11	3.64			27.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	11	2.71			6.50	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Toxaphene	12/1/2003	11/30/2010	13	0.00			0.01	AD	FS	☐	FS		

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AUID 2307_03 From Little Box Canyon upstream to the Alamo Grade Structure

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		1	4.9	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	22		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	9		0		1,682.04	LD	NC	☐	NC		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	9		0		364.66	LD	NC	☐	NC		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	9		0		20.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	9		0		4,501.83	LD	NC	☐	NC		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	9		0		153.33	LD	NC	☐	NC		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	9		0		360.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	9		0		991.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	8		0		413.97	LD	NC	☐	NC		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	4		0		66.85	LD	NC	☐	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	9	3.36	0		316.85	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	9	0.16	0		5.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	8	0.33	0		7.24	LD	NC	☐	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	4	2.65	0		24.94	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	9	2.00	0		350.86	LD	NC	☐	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	9	0.44	0		1.98	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	9	12.81	0		190.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	9	2.92	0		210.88	LD	NC	☐	NC		

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AUID 2307_03 — From Little Box Canyon upstream to the Alamo Grade Structure

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	162.50	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	24		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	24		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	24		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	265	1547.41	1		1,500.00	AD	NS	☐	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2003	11/30/2010	249	420.11	1		300.00	AD	NS	☐	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	254	436.62	0		550.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	29		4	3.8	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	27		14	1.66	0.69	AD	CS	☐	CS	total phosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	25		19	107.03	14.10	AD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	27		15	1.21	0.37	AD	CS	☐	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	28		14	4.83	0.33	AD	CS	☐	CS	ammonia	

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	Nitrobenzene	12/1/2003	11/30/2010	12	2.88			11.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	DDE	12/1/2003	11/30/2010	12	0.00			0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	13	0.13			0.25	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	13	4.23			200.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromoform	12/1/2003	11/30/2010	13	4.23			69.10	AD	FS	☐	FS		

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AUID 2307_03 — From Little Box Canyon upstream to the Alamo Grade Structure

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	13	2.05			4.10	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	13	1.60			3.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cresols	12/1/2003	11/30/2010	12	5.32			736.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	14	4.11			700.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	13	2.58			7.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2003	11/30/2010	13	4.23			100.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	13	0.33			0.65	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	13	0.08			0.16	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	13	11.15			13,932.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	N-Nitrosodiethylamine	12/1/2003	11/30/2010	13	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	13	0.06			0.12	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Pentachlorobenzene	12/1/2003	11/30/2010	13	0.50			1.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Silvex	12/1/2003	11/30/2010	12	0.26			7.30	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Pyridine	12/1/2003	11/30/2010	11	3.48			23.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	13	0.15			0.30	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2003	11/30/2010	11	4.69			473.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	o-Dichlorobenzene	12/1/2003	11/30/2010	11	4.69			600.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		

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AUID 2307_03 From Little Box Canyon upstream to the Alamo Grade Structure

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	11	2.64			257.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	2	0.25			0.75	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	13	4.23			70.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	38	2.08	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachlorophene	12/1/2003	11/30/2010	8	0.00			0.01	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2003	11/30/2010	13	2.70			10.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	13	0.40			0.80	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzidine	12/1/2003	11/30/2010	13	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzo(a)anthracene	12/1/2003	11/30/2010	13	0.03			0.07	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzo(a)pyrene	12/1/2003	11/30/2010	13	0.03			0.07	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2003	11/30/2010	13	0.00			0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chrysene	12/1/2003	11/30/2010	13	4.38			68.13	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	DDD	12/1/2003	11/30/2010	12	0.01			0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Endrin	12/1/2003	11/30/2010	12	0.03			0.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2003	11/30/2010	13	0.00			0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	14	4.82			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	33	0.34	0		5.00	AD	FS	☐	FS		

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AUID 2307_03 — From Little Box Canyon upstream to the Alamo Grade Structure

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	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	10	0.50			1.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dicofol (Kelthane)	12/1/2003	11/30/2010	12	0.04			0.08	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Di-n-butyl phthalate	12/1/2003	11/30/2010	13	4.38			1,318.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	11	2.98			1,194.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	12	0.03			0.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	PCBs	12/1/2003	11/30/2010	2	0.00			0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Methoxychlor	12/1/2003	11/30/2010	12	0.03			0.33	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	31	0.30	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2003	11/30/2010	11	3.64			27.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	11	2.71			6.50	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	DDT	12/1/2003	11/30/2010	12	0.00			0.01	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	Chloroform	12/1/2003	11/30/2010	13	4.23			70.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	DDE	12/1/2003	11/30/2010	12	0.00			0.01	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Toluene	12/1/2003	11/30/2010	14	4.11			1,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Vinyl chloride	12/1/2003	11/30/2010	13	0.13			0.25	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	13	0.33			0.65	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,2-Trichloroethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		

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AUID 2307_03 From Little Box Canyon upstream to the Alamo Grade Structure

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	1,1,1-Trichloroethane	12/1/2003	11/30/2010	13	4.23			200.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bromoform	12/1/2003	11/30/2010	13	4.23			69.10	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Tetrachloroethene	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	13	1.60			3.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrobenzene	12/1/2003	11/30/2010	12	2.88			11.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Ethylbenzene	12/1/2003	11/30/2010	14	4.11			700.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dichloropropane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dichloroethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dibromoethane	12/1/2003	11/30/2010	13	0.08			0.16	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bis(2-ethylhexyl)phthalate	12/1/2003	11/30/2010	13	2.69			6.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chlorobenzene	12/1/2003	11/30/2010	13	4.23			100.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1-Dichloroethylene	12/1/2003	11/30/2010	13	2.58			7.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Pyridine	12/1/2003	11/30/2010	11	3.48			23.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Carbon tetrachloride	12/1/2003	11/30/2010	13	2.05			4.10	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzo(a)pyrene	12/1/2003	11/30/2010	13	0.03			0.07	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Thallium	12/1/2003	11/30/2010	2	0.25			0.75	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	2,4-Dimethylphenol	12/1/2003	11/30/2010	11	2.64			257.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Dichloromethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	o-Dichlorobenzene	12/1/2003	11/30/2010	11	4.69			600.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachlorocyclopentadiene	12/1/2003	11/30/2010	10	5.31			50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	13	0.15			0.30	AD	FS	☐	FS		

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AUID 2307_03 — From Little Box Canyon upstream to the Alamo Grade Structure

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	Cresols	12/1/2003	11/30/2010	12	5.32			736.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Trihalomethane	12/1/2003	11/30/2010	4	2.50			80.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Silvex	12/1/2003	11/30/2010	12	0.26			7.30	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Pentachlorobenzene	12/1/2003	11/30/2010	13	0.50			1.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	13	0.06			0.12	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	N-Nitrosodiethylamine	12/1/2003	11/30/2010	13	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Methyl ethyl ketone	12/1/2003	11/30/2010	13	11.15			13,932.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachlorophene	12/1/2003	11/30/2010	8	0.00			0.01	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2003	11/30/2010	11	4.69			473.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzidine	12/1/2003	11/30/2010	13	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Heptachlor	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	222	0.72	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Endrin	12/1/2003	11/30/2010	12	0.03			0.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Dieldrin	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	DDD	12/1/2003	11/30/2010	12	0.01			0.01	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	2,4-D	12/1/2003	11/30/2010	11	0.26			70.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Heptachlor epoxide	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzo(a)anthracene	12/1/2003	11/30/2010	13	0.03			0.07	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chrysene	12/1/2003	11/30/2010	13	4.38			68.13	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	7	60.16			2,000.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	38	6.68	0		10.00	AD	FS	☐	FS		

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AUID 2307_03 From Little Box Canyon upstream to the Alamo Grade Structure

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	13	4.38			5,569.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Aldrin	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Acrylonitrile	12/1/2003	11/30/2010	13	0.40			0.80	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bromodichloromethane	12/1/2003	11/30/2010	13	2.70			10.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chlordane	12/1/2003	11/30/2010	13	0.00			0.01	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	10	0.50			1.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzene	12/1/2003	11/30/2010	14	4.82			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	33	0.34	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	11	2.98			1,194.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Dicofol (Kelthane)	12/1/2003	11/30/2010	12	0.04			0.08	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	DDT	12/1/2003	11/30/2010	12	0.00			0.01	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Di-n-butyl phthalate	12/1/2003	11/30/2010	13	4.38			1,318.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Toxaphene	12/1/2003	11/30/2010	13	0.00			0.01	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	gamma-BHC (Lindane)	12/1/2003	11/30/2010	12	0.03			0.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	31	0.30	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Trichloroethene	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	11	2.71			6.50	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2003	11/30/2010	11	3.64			27.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Methoxychlor	12/1/2003	11/30/2010	12	0.03			0.33	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	228	1.91	0		10.00	AD	FS	☐	FS		

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AUID **2307_03** From Little Box Canyon upstream to the Alamo Grade Structure

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	PCBs	12/1/2003	11/30/2010	2	0.00			0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	34	0.35	0		50.00	AD	FS	☐	FS		

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AUID 2307_04 — From the Alamo Grade Structure upstream to the Guadalupe Bridge

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	55		8	2.85	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	55		5	2.28	3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	11		0		136.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	25		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	DDT	12/1/2003	11/30/2010	12		0		1.10	AD	FS	☐	FS		
Acute Toxic Substances in water	Phenanthrene	12/1/2003	11/30/2010	13		0		30.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	23		0		330.99	AD	FS	☐	FS		
Acute Toxic Substances in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	12		0		2.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	13		0		0.78	AD	FS	☐	FS		
Acute Toxic Substances in water	Dicofol (Kelthane)	12/1/2003	11/30/2010	12		0		59.30	AD	FS	☐	FS		
Acute Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	12		0		0.22	AD	FS	☐	FS		
Acute Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	12		0		0.22	AD	FS	☐	FS		
Acute Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	10		0		33.50	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	29		0		360.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Parathion	12/1/2003	11/30/2010	3		0		0.07	ID	NA	☐	NA		
Acute Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	12		0		0.22	AD	FS	☐	FS		
Acute Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	13		0		2.40	AD	FS	☐	FS		
Acute Toxic Substances in water	Aldrin	12/1/2003	11/30/2010	12		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Carbaryl (Sevin)	12/1/2003	11/30/2010	4		0		2.00	LD	NC	☐	NC		
Acute Toxic Substances in water	PCBs	12/1/2003	11/30/2010	2		0		2.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	24		0		134.78	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 23 - Rio Grande River

AUID 2307_04 — From the Alamo Grade Structure upstream to the Guadalupe Bridge

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	Aluminum	12/1/2003	11/30/2010	29		0		991.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2003	11/30/2010	12		0		0.08	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	29		0		1,531.67	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	15		1	3.05	60.02	AD	FS	☐	FS		
Acute Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	12		0		2.50	AD	FS	☐	FS		
Acute Toxic Substances in water	Endrin	12/1/2003	11/30/2010	12		0		0.18	AD	FS	☐	FS		
Acute Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	12		0		0.52	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	23		0		357.89	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	29		0		4,086.75	AD	FS	☐	FS		
Chronic Toxic Substances in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	12	0.03	0		0.08	AD	FS	☐	FS		
Chronic Toxic Substances in water	Phenanthrene	12/1/2003	11/30/2010	13	3.61	0		30.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	25	0.51	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	11	2.98	0		64.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	23	3.46	0		210.88	AD	FS	☐	FS		
Chronic Toxic Substances in water	Parathion	12/1/2003	11/30/2010	3	0.01	0		0.01	ID	NA	☐	NA		
Chronic Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	13	0.00	0		0.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	DDT	12/1/2003	11/30/2010	12	0.00	0		0.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Dicofol (Kelthane)	12/1/2003	11/30/2010	12	0.54	0		19.80	AD	FS	☐	FS		
Chronic Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	12	0.03	0		0.06	AD	FS	☐	FS		
Chronic Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	12	0.03	0		0.06	AD	FS	☐	FS		
Chronic Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	10	3.38	0		9.46	AD	FS	☐	FS		

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AUID 2307_04 From the Alamo Grade Structure upstream to the Guadalupe Bridge

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	Endrin	12/1/2003	11/30/2010	12	0.00	0		0.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	PCBs	12/1/2003	11/30/2010	2	0.01	0		0.01	ID	NA	☐	NA		
Chronic Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	12	0.03	0		0.06	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	29	2.10	0		350.86	AD	FS	☐	FS		
Chronic Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	12	0.00	0		0.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	29	3.52	0		316.85	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	29	7.27	0		190.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	24	0.29	0		1.98	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2003	11/30/2010	12	0.02	0		0.04	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	15	2.26	0		24.94	AD	FS	☐	FS		
Chronic Toxic Substances in water	Demeton	12/1/2003	11/30/2010	11	0.05	0		0.10	AD	FS	☐	FS		
Chronic Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	12	0.00	0		0.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Guthion	12/1/2003	11/30/2010	12	0.01	0		0.01	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	23	0.29	0		7.24	AD	FS	☐	FS		
Chronic Toxic Substances in water	Malathion	12/1/2003	11/30/2010	12	0.01	0		0.01	AD	FS	☐	FS		
Chronic Toxic Substances in water	Methoxychlor	12/1/2003	11/30/2010	12	0.02	0		0.03	AD	FS	☐	FS		
Chronic Toxic Substances in water	Mirex	12/1/2003	11/30/2010	12	0.01	0		0.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	13	0.00	0		0.00	AD	FS	☐	FS		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	17		0		28.00	AD	NC	☐	NC		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	17		0		1,300.00	AD	NC	☐	NC		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	17		0		31.30	AD	NC	☐	NC		

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AUID 2307_04 — From the Alamo Grade Structure upstream to the Guadalupe Bridge

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	DDT	12/1/2003	11/30/2010	17		0		62.90	AD	NC	☐	NC		
Toxic Substances in sediment	Toxaphene	12/1/2003	11/30/2010	16		0		32.00	AD	NC	☐	NC		
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	16		0		676.00	AD	NC	☐	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	17		0		240.00	AD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	17		0		61.80	AD	NC	☐	NC		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	17		0		17.60	AD	NC	☐	NC		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	17		0		80.00	AD	NC	☐	NC		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	17		0		207.00	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	38	498.25	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	59		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	58		1	9.1	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	265	1547.41	1		1,500.00	AD	NS	☐	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2003	11/30/2010	249	420.11	1		300.00	AD	NS	☐	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	254	436.62	0		550.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	46		14	4.01	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	47		37	64.64	14.10	AD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	49		30	1.52	0.69	AD	CS	☐	CS	total phosphorus	

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AUID 2307_04 — From the Alamo Grade Structure upstream to the Guadalupe Bridge

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	50		19	4.57	0.33	AD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	42		28	0.98	0.37	AD	CS	☐	CS	orthophosphorus	

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	13	4.81	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	13	4.23	0		70.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	DDE	12/1/2003	11/30/2010	12	0.00	0		0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	13	0.13	0		0.25	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	13	4.81	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromoform	12/1/2003	11/30/2010	13	4.23	0		69.10	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cresols	12/1/2003	11/30/2010	12	5.32	0		736.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	13	1.60	0		3.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Nitrobenzene	12/1/2003	11/30/2010	12	2.88	0		11.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	14	4.11	0		700.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2003	11/30/2010	13	4.81	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	13	2.58	0		7.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2003	11/30/2010	13	4.81	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	13	4.23	0		200.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Pyridine	12/1/2003	11/30/2010	11	3.48	0		23.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	DDT	12/1/2003	11/30/2010	12	0.00	0		0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2003	11/30/2010	13	4.23	0		100.00	AD	FS	☐	FS		

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AUID 2307_04 — From the Alamo Grade Structure upstream to the Guadalupe Bridge

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	11	2.64	0		257.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	13	4.81	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	o-Dichlorobenzene	12/1/2003	11/30/2010	11	4.69	0		600.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	13	0.33	0		0.65	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	13	0.15	0		0.30	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	13	0.08	0		0.16	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Silvex	12/1/2003	11/30/2010	12	0.26	0		7.30	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Pentachlorobenzene	12/1/2003	11/30/2010	13	0.50	0		1.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	13	0.06	0		0.12	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	N-Nitrosodiethylamine	12/1/2003	11/30/2010	13	0.00	0		0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	13	11.15	0		13,932.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachlorophene	12/1/2003	11/30/2010	8	0.00	0		0.01	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2003	11/30/2010	11	4.69	0		473.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chrysene	12/1/2003	11/30/2010	13	4.38	0		68.13	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	10	0.50	0		1.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2003	11/30/2010	12	0.00	0		0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzidine	12/1/2003	11/30/2010	13	0.00	0		0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzo(a)anthracene	12/1/2003	11/30/2010	13	0.03	0		0.07	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzo(a)pyrene	12/1/2003	11/30/2010	13	0.03	0		0.07	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	33	0.34	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	38	2.08	0		62.00	AD	FS	☐	FS		

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AUID 2307_04 — From the Alamo Grade Structure upstream to the Guadalupe Bridge

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	12	0.01	0		0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2003	11/30/2010	12	0.00	0		0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Endrin	12/1/2003	11/30/2010	12	0.03	0		0.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2003	11/30/2010	12	0.00	0		0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2003	11/30/2010	12	0.00	0		0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	12	0.00	0		0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	11	2.71	0		6.50	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	13	2.05	0		4.10	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2003	11/30/2010	13	0.00	0		0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2003	11/30/2010	11	3.64	0		27.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	14	4.82	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	11	2.98	0		1,194.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dicofol (Kelthane)	12/1/2003	11/30/2010	12	0.04	0		0.08	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2003	11/30/2010	13	2.70	0		10.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Di-n-butyl phthalate	12/1/2003	11/30/2010	13	4.38	0		1,318.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2003	11/30/2010	13	0.00	0		0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	12	0.03	0		0.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	13	4.81	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	PCBs	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Methoxychlor	12/1/2003	11/30/2010	12	0.03	0		0.33	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	31	0.30	0		1.15	AD	FS	☐	FS		

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AUID 2307_04 — From the Alamo Grade Structure upstream to the Guadalupe Bridge

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	Acrylonitrile	12/1/2003	11/30/2010	13	0.40	0		0.80	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	Chloroform	12/1/2003	11/30/2010	13	4.23	0		70.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	DDE	12/1/2003	11/30/2010	12	0.00	0		0.01	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrobenzene	12/1/2003	11/30/2010	12	2.88	0		11.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Vinyl chloride	12/1/2003	11/30/2010	13	0.13	0		0.25	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,1-Trichloroethane	12/1/2003	11/30/2010	13	4.23	0		200.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Toluene	12/1/2003	11/30/2010	14	4.11	0		1,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Tetrachloroethene	12/1/2003	11/30/2010	13	4.81	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	13	1.60	0		3.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Ethylbenzene	12/1/2003	11/30/2010	14	4.11	0		700.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dichloropropane	12/1/2003	11/30/2010	13	4.81	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1-Dichloroethylene	12/1/2003	11/30/2010	13	2.58	0		7.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dichloroethane	12/1/2003	11/30/2010	13	4.81	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chlorobenzene	12/1/2003	11/30/2010	13	4.23	0		100.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bromodichloromethane	12/1/2003	11/30/2010	13	2.70	0		10.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	13	0.33	0		0.65	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bis(2-ethylhexyl)phthalate	12/1/2003	11/30/2010	13	2.69	0		6.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Carbon tetrachloride	12/1/2003	11/30/2010	13	2.05	0		4.10	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Trihalomethane	12/1/2003	11/30/2010	4	2.50	0		80.00	LD	NC	☐	NC		

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AUID 2307_04 From the Alamo Grade Structure upstream to the Guadalupe Bridge

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	13	4.23	0		69.10	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachlorocyclopentadiene	12/1/2003	11/30/2010	10	5.31	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzene	12/1/2003	11/30/2010	14	4.82	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Dichloromethane	12/1/2003	11/30/2010	13	4.81	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	o-Dichlorobenzene	12/1/2003	11/30/2010	11	4.69	0		600.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2003	11/30/2010	11	4.69	0		473.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	2,4-Dimethylphenol	12/1/2003	11/30/2010	11	2.64	0		257.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Pyridine	12/1/2003	11/30/2010	11	3.48	0		23.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dibromoethane	12/1/2003	11/30/2010	13	0.08	0		0.16	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Silvex	12/1/2003	11/30/2010	12	0.26	0		7.30	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Pentachlorobenzene	12/1/2003	11/30/2010	13	0.50	0		1.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	13	0.06	0		0.12	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	N-Nitrosodiethylamine	12/1/2003	11/30/2010	13	0.00	0		0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Methyl ethyl ketone	12/1/2003	11/30/2010	13	11.15	0		13,932.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachlorophene	12/1/2003	11/30/2010	8	0.00	0		0.01	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Cresols	12/1/2003	11/30/2010	12	5.32	0		736.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	13	0.15	0		0.30	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzidine	12/1/2003	11/30/2010	13	0.00	0		0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	222	0.72	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Dieldrin	12/1/2003	11/30/2010	12	0.00	0		0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	DDD	12/1/2003	11/30/2010	12	0.01	0		0.01	AD	FS	☐	FS		

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AUID 2307_04 — From the Alamo Grade Structure upstream to the Guadalupe Bridge

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	Chrysene	12/1/2003	11/30/2010	13	4.38	0		68.13	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chlordane	12/1/2003	11/30/2010	13	0.00	0		0.01	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	33	0.34	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Heptachlor epoxide	12/1/2003	11/30/2010	12	0.00	0		0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzo(a)anthracene	12/1/2003	11/30/2010	13	0.03	0		0.07	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Heptachlor	12/1/2003	11/30/2010	12	0.00	0		0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	7	60.16	0		2,000.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	38	6.68	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Anthracene	12/1/2003	11/30/2010	13	4.38	0		5,569.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Aldrin	12/1/2003	11/30/2010	12	0.00	0		0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Acrylonitrile	12/1/2003	11/30/2010	13	0.40	0		0.80	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,2-Trichloroethane	12/1/2003	11/30/2010	13	4.81	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	11	2.98	0		1,194.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzo(a)pyrene	12/1/2003	11/30/2010	13	0.03	0		0.07	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	34	0.35	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	10	0.50	0		1.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Dicofol (Kelthane)	12/1/2003	11/30/2010	12	0.04	0		0.08	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	DDT	12/1/2003	11/30/2010	12	0.00	0		0.01	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Di-n-butyl phthalate	12/1/2003	11/30/2010	13	4.38	0		1,318.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Toxaphene	12/1/2003	11/30/2010	13	0.00	0		0.01	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	gamma-BHC (Lindane)	12/1/2003	11/30/2010	12	0.03	0		0.20	AD	FS	☐	FS		

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AUID 2307_04 From the Alamo Grade Structure upstream to the Guadalupe Bridge

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	Endrin	12/1/2003	11/30/2010	12	0.03	0		0.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Trichloroethene	12/1/2003	11/30/2010	13	4.81	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	12	0.00	0		0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	PCBs	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	228	1.91	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	2,4-D	12/1/2003	11/30/2010	11	0.26	0		70.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Methoxychlor	12/1/2003	11/30/2010	12	0.03	0		0.33	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	31	0.30	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2003	11/30/2010	11	3.64	0		27.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	11	2.71	0		6.50	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2003	11/30/2010	10	4.93	0		75.00	AD	FS	☐	FS		

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AUID 2307_05 — From the Guadalupe Bridge to downstream of the Riverside Diversion Dam

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	76		5	3.26	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	76		2	2.15	3.00	AD	FS	☐	FS		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	10		0		31.30	AD	NC	☐	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	10		0		240.00	AD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	10		0		62.90	AD	NC	☐	NC		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	10		0		1,300.00	AD	NC	☐	NC		
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	9		0		676.00	LD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	10		0		61.80	AD	NC	☐	NC		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	10		0		28.00	AD	NC	☐	NC		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	10		0		17.60	AD	NC	☐	NC		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	10		0		80.00	AD	NC	☐	NC		
Toxic Substances in sediment	Toxaphene	12/1/2003	11/30/2010	9		0		32.00	LD	NC	☐	NC		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	10		0		207.00	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	64	277.25	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	86		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	80		1	10	9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	80		1	6.2	6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	265	1547.41	1		1,500.00	AD	NS	☐	NS	total dissolved solids	5c

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AUID 2307_05 — From the Guadalupe Bridge to downstream of the Riverside Diversion Dam

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Chloride	12/1/2003	11/30/2010	249	420.11	1		300.00	AD	NS	☐	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	254	436.62	0		550.00	AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	88		28	0.83	0.33	AD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	86		44	1.41	0.69	AD	CS	☐	CS	total phosphorus	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	80		29	5.54	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	53		37	0.92	0.37	AD	CS	☐	CS	orthophosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	84		36	35.63	14.10	AD	CS	☐	CS	chlorophyll-a	

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	DDE	12/1/2003	11/30/2010	12	0.00			0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	2	0.25			0.75	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	13	4.23			200.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromoform	12/1/2003	11/30/2010	13	4.23			69.10	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	13	1.60			3.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Pyridine	12/1/2003	11/30/2010	11	3.48			23.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Nitrobenzene	12/1/2003	11/30/2010	12	2.88			11.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	14	4.11			700.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	13	2.58			7.00	AD	FS	☐	FS		

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AUID 2307_05 From the Guadalupe Bridge to downstream of the Riverside Diversion Dam

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	13	0.13			0.25	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2003	11/30/2010	13	4.23			100.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	13	0.33			0.65	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	13	0.08			0.16	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cresols	12/1/2003	11/30/2010	12	5.32			736.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachlorophene	12/1/2003	11/30/2010	8	0.00			0.01	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	13	11.15			13,932.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	N-Nitrosodiethylamine	12/1/2003	11/30/2010	13	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	13	0.06			0.12	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Silvex	12/1/2003	11/30/2010	12	0.26			7.30	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	13	0.15			0.30	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2003	11/30/2010	11	4.69			473.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	o-Dichlorobenzene	12/1/2003	11/30/2010	11	4.69			600.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	2,4-Dimethylphenol	12/1/2003	11/30/2010	11	2.64			257.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	13	2.05			4.10	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Pentachlorobenzene	12/1/2003	11/30/2010	13	0.50			1.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2003	11/30/2010	13	0.00			0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2003	11/30/2010	13	2.70			10.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	13	4.23			70.00	AD	FS	☐	FS		

2012 Texas Integrated Report: Assessment Results for Basin 23 - Rio Grande River

AUID 2307_05 — From the Guadalupe Bridge to downstream of the Riverside Diversion Dam

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	13	0.40			0.80	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzidine	12/1/2003	11/30/2010	13	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzo(a)anthracene	12/1/2003	11/30/2010	13	0.03			0.07	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	33	0.34			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	38	2.08			62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chrysene	12/1/2003	11/30/2010	13	4.38			68.13	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	DDD	12/1/2003	11/30/2010	12	0.01			0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Endrin	12/1/2003	11/30/2010	12	0.03			0.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Di-n-butyl phthalate	12/1/2003	11/30/2010	13	4.38			1,318.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	14	4.82			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzo(a)pyrene	12/1/2003	11/30/2010	13	0.03			0.07	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	10	0.50			1.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dicofol (Kelthane)	12/1/2003	11/30/2010	12	0.04			0.08	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	11	2.98			1,194.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	DDT	12/1/2003	11/30/2010	12	0.00			0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2003	11/30/2010	13	0.00			0.01	AD	FS	☐	FS		

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AUID 2307_05 — From the Guadalupe Bridge to downstream of the Riverside Diversion Dam

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	12	0.03			0.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	PCBs	12/1/2003	11/30/2010	2	0.00			0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Methoxychlor	12/1/2003	11/30/2010	12	0.03			0.33	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	31	0.30			1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2003	11/30/2010	11	3.64			27.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	11	2.71			6.50	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	DDE	12/1/2003	11/30/2010	12	0.00			0.01	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Carbon tetrachloride	12/1/2003	11/30/2010	13	2.05			4.10	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,2-Trichloroethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,1-Trichloroethane	12/1/2003	11/30/2010	13	4.23			200.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bromoform	12/1/2003	11/30/2010	13	4.23			69.10	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Toluene	12/1/2003	11/30/2010	14	4.11			1,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Vinyl chloride	12/1/2003	11/30/2010	13	0.13			0.25	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Tetrachloroethene	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	13	1.60			3.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrobenzene	12/1/2003	11/30/2010	12	2.88			11.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Ethylbenzene	12/1/2003	11/30/2010	14	4.11			700.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dichloropropane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		

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AUID 2307_05 — From the Guadalupe Bridge to downstream of the Riverside Diversion Dam

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	1,1-Dichloroethylene	12/1/2003	11/30/2010	13	2.58			7.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chlorobenzene	12/1/2003	11/30/2010	13	4.23			100.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chloroform	12/1/2003	11/30/2010	13	4.23			70.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachlorocyclopentadiene	12/1/2003	11/30/2010	10	5.31			50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2-Dichloroethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Pyridine	12/1/2003	11/30/2010	11	3.48			23.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bis(2-ethylhexyl)phthalate	12/1/2003	11/30/2010	13	2.69			6.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Thallium	12/1/2003	11/30/2010	2	0.25			0.75	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Pentachlorobenzene	12/1/2003	11/30/2010	13	0.50			1.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	2,4-Dimethylphenol	12/1/2003	11/30/2010	11	2.64			257.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bromodichloromethane	12/1/2003	11/30/2010	13	2.70			10.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	o-Dichlorobenzene	12/1/2003	11/30/2010	11	4.69			600.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Dichloromethane	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	13	0.15			0.30	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	13	0.33			0.65	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Silvex	12/1/2003	11/30/2010	12	0.26			7.30	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	13	0.06			0.12	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	N-Nitrosodiethylamine	12/1/2003	11/30/2010	13	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Methyl ethyl ketone	12/1/2003	11/30/2010	13	11.15			13,932.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachlorophene	12/1/2003	11/30/2010	8	0.00			0.01	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Cresols	12/1/2003	11/30/2010	12	5.32			736.00	AD	FS	☐	FS		

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AUID 2307_05 — From the Guadalupe Bridge to downstream of the Riverside Diversion Dam

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	1,2-Dibromoethane	12/1/2003	11/30/2010	13	0.08			0.16	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2003	11/30/2010	11	4.69			473.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzo(a)anthracene	12/1/2003	11/30/2010	13	0.03			0.07	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	222	0.72	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Endrin	12/1/2003	11/30/2010	12	0.03			0.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Dieldrin	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	DDD	12/1/2003	11/30/2010	12	0.01			0.01	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chrysene	12/1/2003	11/30/2010	13	4.38			68.13	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chlordane	12/1/2003	11/30/2010	13	0.00			0.01	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Heptachlor	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzo(a)pyrene	12/1/2003	11/30/2010	13	0.03			0.07	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	7	60.16			2,000.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Benzidine	12/1/2003	11/30/2010	13	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	38	6.68			10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Trihalomethane	12/1/2003	11/30/2010	4	2.50			80.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Aldrin	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Acrylonitrile	12/1/2003	11/30/2010	13	0.40			0.80	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	2,4-D	12/1/2003	11/30/2010	11	0.26			70.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzene	12/1/2003	11/30/2010	14	4.82			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	33	0.34			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	11	2.98			1,194.00	AD	FS	☐	FS		

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AUID 2307_05 From the Guadalupe Bridge to downstream of the Riverside Diversion Dam

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Anthracene	12/1/2003	11/30/2010	13	4.38			5,569.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Heptachlor epoxide	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	10	0.50			1.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Dicofol (Kelthane)	12/1/2003	11/30/2010	12	0.04			0.08	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	DDT	12/1/2003	11/30/2010	12	0.00			0.01	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Toxaphene	12/1/2003	11/30/2010	13	0.00			0.01	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	gamma-BHC (Lindane)	12/1/2003	11/30/2010	12	0.03			0.20	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Trichloroethene	12/1/2003	11/30/2010	13	4.81			5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	34	0.35			50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	PCBs	12/1/2003	11/30/2010	2	0.00			0.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	228	1.91	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Methoxychlor	12/1/2003	11/30/2010	12	0.03			0.33	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	31	0.30			1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2003	11/30/2010	11	3.64			27.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	11	2.71			6.50	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	12	0.00			0.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Di-n-butyl phthalate	12/1/2003	11/30/2010	13	4.38			1,318.00	AD	FS	☐	FS		

SEGID 2308 Rio Grande Below International Dam

AUID 2308_01 From the Riverside Diversion Dam to the International Dam in El Paso County

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	91		1	2.5	3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	91		0		2.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	67		0		991.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	1		0		58.69	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	3		0		409.33	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	67		0		2,968.52	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	67		0		360.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	2		0		123.03	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	67		0		1,123.98	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	3	27.00	0		206.97	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	67	11.39	0		190.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	2	0.90	0		1.94	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	67	2.59	0		344.58	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	1	10.00	0		24.47	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	67	5.07	0		310.99	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	63	409.13	0		605.00	AD	FS	☐	FS		

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AUID 2308_01 From the Riverside Diversion Dam to the International Dam in El Paso County

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		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	57		2	9.36	9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	57		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	94	1043.55	0		1,400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	59	184.10	0		250.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	70	295.64	0		450.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	69		35	34	14.10	AD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	54		26	1.62	0.69	AD	CS	☐	CS	total phosphorus	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	61		20	5.21	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	60		14	3.55	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	47		14	1.15	0.37	AD	CS	☐	CS	orthophosphorus	

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	2	0.90	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	67	2.59	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	23	0.43			0.75	AD	FS	☐	FS		

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SEGID 2309 Devils River

AUID 2309_01 From the Devils River Arm of Amistad Reservoir upstream to Falls Canyon just below the Dolan Creek confluence

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	23		0		6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	23		0		4.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	23	7.26	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		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	24		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	24		1	6.4	6.50	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	47	16.23			50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	48	12.19			50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	48	260.07			300.00	AD	FS	☐	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	24		0		0.37	AD	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	26		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	25		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	25		0		1.95	AD	NC	☐	NC		

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AUID **2309_01** From the Devils River Arm of Amistad Reservoir upstream to Falls Canyon just below the Dolan Creek confluence

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	42	0.27	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	41	1.23	0		10.00	AD	FS	☐	FS		

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AUID 2309_02 — From Falls Canyon just below the Dolan Creek confluence upstream to Wallace Canyon

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		0		6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	21		0		4.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	20	11.42	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	22		0		32.20	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	48	12.19	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	47	16.23	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	48	260.07	0		300.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	21		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	21		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	20		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	21		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	17		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 HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	42	0.27	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	41	1.23	0		10.00	AD	FS	☐	FS		

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AUID **2309_03** From Wallace Canyon to the upper segment boundary at the Dry Devils River confluence

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	48	260.07	0		300.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	47	16.23	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	48	12.19	0		50.00	AD	FS	☐	FS		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	41	1.23			10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	42	0.27			4.00	AD	FS	☐	FS		

SEGID 2309A Dolan Creek (unclassified water body)

AUID 2309A_02 From Yellow Bluff upstream to a point 4.7 km (2.9 mi) west of US HWY 277 (headwaters)

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		0		6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	21		0		4.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	21	19.33	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	21		1	2	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	20		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	20		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	21		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	17		0		14.10	AD	NC	☐	NC		

SEGID 2310 Lower Pecos River

AUID 2310_01 From the Devils River Arm of Amistad Reservoir confluence upstream to FM 2083 near Pan Dale

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	41		1	4.6	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	41		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	27		0		360.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	27	1.31	0		190.00	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	3.30	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	41		0		33.30	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	40		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	40		1	6.39	6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	71	2538.08	0		4,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	71	846.48	0		1,700.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	71	532.55	0		1,000.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	16		2	18.9	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	43		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	42		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	42		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	42		0		0.69	AD	NC	☐	NC		

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AUID **2310_01** From the Devils River Arm of Amistad Reservoir confluence upstream to FM 2083 near Pan Dale

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
Fish Kill Reports	Fish Kill Reports	12/1/2003	11/30/2010						OE	CN	☑	CN	harmful algal bloom/golden alga	

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	6	2.00			62.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	6	0.43			1.15	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	7	0.08			5.00	LD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	31	2.21	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	7	0.08			5.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	43	1.01	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	6	0.43			1.15	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	67	0.67	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	6	0.56			50.00	LD	NC	☐	NC		

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AUID 2310_02 — From FM 2083 near Pan Dale upstream to just upstream of the Independence Creek confluence

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	28		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	28		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	6		0		630.26	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	Cadmium	12/1/2003	11/30/2010	7		0		317.69	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	6		0		2,854.53	LD	NC	☐	NC		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	6		0		122.84	LD	NC	☐	NC		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	6		0		941.89	LD	NC	☐	NC		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	6		0		7,774.30	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	Aluminum	12/1/2003	11/30/2010	6		0		991.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	6	3.00	0		415.60	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	6	0.56	0		5.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	6	5.50	0		623.79	LD	NC	☐	NC		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	6	0.43	0		20.05	LD	NC	☐	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	6	2.25	0		49.43	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	6	2.00	0		675.98	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	7	5.19	0		190.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	7	0.08	0		3.71	LD	NC	☐	NC		

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AUID 2310_02 — From FM 2083 near Pan Dale upstream to just upstream of the Independence Creek confluence

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	30.11	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	28		0		33.30	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	28		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	28		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	71	2538.08	0		4,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	71	846.48	0		1,700.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	71	532.55	0		1,000.00	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	26		0		0.37	AD	NC	☐	NC		
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	27		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	25		1	19.8	14.10	AD	NC	☐	NC		
Fish Kill Reports	Fish Kill Reports	12/1/2003	11/30/2010						OE	CN	☐	CN	harmful algal bloom/golden alga	

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	6	0.43	0		1.15	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	7	0.08	0		5.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	6	2.00	0		62.00	LD	NC	☐	NC		

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AUID **2310_02** From FM 2083 near Pan Dale upstream to just upstream of the Independence Creek confluence

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	31	2.21	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	7	0.08	0		5.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	43	1.01	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2003	11/30/2010	6	0.43	0		1.15	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	67	0.67	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	6	0.56	0		50.00	LD	NC	☐	NC		

SEGID 2310A Independence Creek (unclassified water body)

AUID 2310A_01 From the Pecos River confluence to the unnamed tributary 0.37 km (0.23 mi) upstream of State Hwy 349

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	27		0		6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	27		0		4.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	57		0		6.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	57		0		4.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	6		0		298.61	LD	NC	☐	NC		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	6		0		991.00	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	Cadmium	12/1/2003	11/30/2010	7		0		117.52	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	6		0		1,386.58	LD	NC	☐	NC		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	6		0		53.53	LD	NC	☐	NC		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	6		0		306.60	LD	NC	☐	NC		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	6		0		3,687.51	LD	NC	☐	NC		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	7		0		20.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	5	2.80	0		227.16	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	5	0.40	0		5.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	5	4.90	0		341.26	LD	NC	☐	NC		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	4	0.38	0		8.09	LD	NC	☐	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	5	2.10	0		26.88	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	5	2.00	0		377.00	LD	NC	☐	NC		

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AUID 2310A_01 From the Pecos River confluence to the unnamed tributary 0.37 km (0.23 mi) upstream of State Hwy 349

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	Arsenic	12/1/2003	11/30/2010	5	2.89	0		190.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	5	0.05	0		2.12	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	22	15.96	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	26		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	26		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	28		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	28		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	28		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	Chromium	12/1/2003	11/30/2010	5	2.00	0		502.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	4	0.38	0		3.83	LD	NC	☐	NC		

SEGID 2311 Upper Pecos River

AUID 2311_01 From just upstream of the Independence Creek confluence upstream to US Hwy 290

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	258	10351.45			15,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	241	4003.49			7,000.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	257	2612.70			3,500.00	AD	FS	☐	FS		
Fish Kill Reports	Fish Kill Reports	12/1/2003	11/30/2010						OE	CN	☑	CN	harmful algal bloom/golden alga	

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	0.81			3.83	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	37	2.00			502.00	AD	FS	☐	FS		

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AUID 2311_02 — From US Hwy 290 upstream to US Hwy 67

USE Aquatic Life Use

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

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	Fecal coliform	12/1/2003	11/30/2010	18	45.88	0		200.00	SM	FS	☐	FS		
Bacteria Geomean	Enterococcus	12/1/2003	11/30/2010	4	45.56	1		33.00	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
Water Temperature	Temperature	12/1/2003	11/30/2010	28		0		33.30	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	28		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	28		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	258	10351.45	0		15,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	241	4003.49	0		7,000.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	257	2612.70	0		3,500.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	26		10	27.62	14.10	AD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	28		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	28		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	27		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	27		0		0.69	AD	NC	☐	NC		
Fish Kill Reports	Fish Kill Reports	12/1/2003	11/30/2010						OE	CN	☑	CN	harmful algal bloom/golden alga	

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AUID **2311_02** From US Hwy 290 upstream to US Hwy 67

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	37	2.00			502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	33	0.81			3.83	AD	FS	☐	FS		

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AUID 2311_03 — From US Hwy 67 upstream to the Ward Two Irrigation Turnout

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	55		7	3.89	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	55		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	24		1	4.9	5.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	24		12	1.745	3.00	AD	NS	☐	NS	depressed dissolved oxygen	5c
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	40		0		991.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	40		0		2,298.85	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	42		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	40		0		28,300.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	36		0		6,581.74	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	26		0		517.93	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	40		0		9,971.31	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	39		0		360.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	39		0		1,778.97	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	18	27.12	0		190.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	39	2.50	0		2,150.91	AD	FS	☐	FS		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	42	0.48	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	40	2.00	0		1,435.77	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	26	5.49	0		172.56	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	39	0.74	0		11.69	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	39	2.00	0		2,240.58	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	36	0.85	0		129.13	AD	FS	☐	FS		

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AUID 2311_03 — From US Hwy 67 upstream to the Ward Two Irrigation Turnout

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	Fecal coliform	12/1/2003	11/30/2010	37	10.45	0		200.00	SM	FS	☐	FS		
Bacteria Geomean	Enterococcus	12/1/2003	11/30/2010	4	47.71	1		33.00	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
Water Temperature	Temperature	12/1/2003	11/30/2010	55		0		33.30	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	258	10351.45	0		15,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	241	4003.49	0		7,000.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	257	2612.70	0		3,500.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	169		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	48		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	164		7	0.79	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	150		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	52		12	28.43	14.10	AD	CS	☐	CS	chlorophyll-a	
Fish Kill Reports	Fish Kill Reports	12/1/2003	11/30/2010						OE	CN	☑	CN	harmful algal bloom/golden alga	

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	0.81	0		3.83	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	37	2.00	0		502.00	AD	FS	☐	FS		

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AUID 2311_04 — From the Ward Two Irrigation Turnout upstream to US Hwy 80 (Bus 20)

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2001	11/30/2008	0				3.00	JQ	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
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	258	10351.45	0		15,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	241	4003.49	0		7,000.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	257	2612.70	0		3,500.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	53		0			AD	NC	☐	NC		
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	46		0		0.69	AD	NC	☐	NC		
Fish Kill Reports	Fish Kill Reports	12/1/2003	11/30/2010						OE	CN	☑	CN	harmful algal bloom/golden alga	

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	0.81	0		3.83	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	37	2.00	0		502.00	AD	FS	☐	FS		

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AUID 2311_05 — From US Hwy 80 (Bus 20) upstream to the Barstow Dam

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	3		0		5.00	ID	NA	☐	NA		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	3		0		3.00	ID	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	4		0		33.30	LD	NC	☐	NC		
High pH	pH	12/1/2003	11/30/2010	4		0		9.00	LD	NC	☐	NC		
Low pH	pH	12/1/2003	11/30/2010	4		0		6.50	LD	NC	☐	NC		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	258	10351.45	0		15,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	241	4003.49	0		7,000.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	257	2612.70	0		3,500.00	AD	FS	☐	FS		
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	3		0		14.10	ID	NA	☐	NA		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	28		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	3		0		0.37	ID	NA	☐	NA		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	29		1	3.7	1.95	AD	NC	☐	NC		
Fish Kill Reports	Fish Kill Reports	12/1/2003	11/30/2010						OE	CN	☑	CN	harmful algal bloom/golden alga	

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	37	2.00			502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	33	0.81			3.83	AD	FS	☐	FS		

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AUID 2311_06 — From the Barstow Dam upstream to State Hwy 302

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	258	10351.45			15,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	241	4003.49			7,000.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	257	2612.70			3,500.00	AD	FS	☐	FS		
Fish Kill Reports	Fish Kill Reports	12/1/2003	11/30/2010						OE	CN	☑	CN	harmful algal bloom/golden alga	

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	37	2.00			502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	33	0.81			3.83	AD	FS	☐	FS		

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AUID 2311_07 — From State Hwy 302 upstream to FM 652

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	4		0		5.00	LD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	4		0		3.00	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	4		0		33.30	LD	NC	☐	NC		
High pH	pH	12/1/2003	11/30/2010	4		0		9.00	LD	NC	☐	NC		
Low pH	pH	12/1/2003	11/30/2010	4		0		6.50	LD	NC	☐	NC		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	258	10351.45	0		15,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	241	4003.49	0		7,000.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	257	2612.70	0		3,500.00	AD	FS	☐	FS		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	2		1	0.78	0.69	ID	NA	☐	NA		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	2		1	4.7	1.95	ID	NA	☐	NA		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	2		0		14.10	ID	NA	☐	NA		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	2		0		0.37	ID	NA	☐	NA		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	2		1	0.34	0.33	ID	NA	☐	NA		
Fish Kill Reports	Fish Kill Reports	12/1/2003	11/30/2010						OE	CN	☑	CN	harmful algal bloom/golden alga	

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	37	2.00			502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	33	0.81			3.83	AD	FS	☐	FS		

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AUID 2311_08 — From FM 652 upstream to the Red Bluff Dam

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	27		4	4.13	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	27		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		1	2.4	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	Fecal coliform	12/1/2003	11/30/2010	17	16.33	0		200.00	SM	FS	☐	FS		
Bacteria Geomean	Enterococcus	12/1/2003	11/30/2010	4	13.81	0		33.00	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	27		0		33.30	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	26		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	26		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	258	10351.45	0		15,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	241	4003.49	0		7,000.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	257	2612.70	0		3,500.00	AD	FS	☐	FS		
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	24		15	31.49	14.10	AD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	27		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	26		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	26		2	0.5	0.33	AD	NC	☐	NC		
Fish Kill Reports	Fish Kill Reports	12/1/2003	11/30/2010						OE	CN	☑	CN	harmful algal bloom/golden alga	

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AUID **2311_08** From FM 652 upstream to the Red Bluff Dam

USE **Fish Consumption Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	37	2.00			502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	33	0.81			3.83	AD	FS	☐	FS		

SEGID 2312 Red Bluff Reservoir

AUID 2312_01 From the Red Bluff Dam to mid-lake

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		2	4.57	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		
Acute Toxic Substances in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	8		0		2.00	LD	NC	☐	NC		
Acute Toxic Substances in water	DDT	12/1/2003	11/30/2010	8		0		1.10	LD	NC	☐	NC		
Acute Toxic Substances in water	Dicofol (Kelthane)	12/1/2003	11/30/2010	7		0		59.30	LD	NC	☐	NC		
Acute Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	9		0		0.22	LD	NC	☐	NC		
Acute Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	8		0		0.22	LD	NC	☐	NC		
Acute Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	5		0		30.30	LD	NC	☐	NC		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	2		0		20.00	ID	NA	☐	NA		
Acute Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	6		0		136.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	8		0		0.22	LD	NC	☐	NC		
Acute Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	9		0		2.40	LD	NC	☐	NC		
Acute Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	9		0		0.78	LD	NC	☐	NC		
Acute Toxic Substances in water	Phenanthrene	12/1/2003	11/30/2010	8		0		30.00	LD	NC	☐	NC		
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	Chloropyrifos (Dursban)	12/1/2003	11/30/2010	9		0		0.08	LD	NC	☐	NC		
Acute Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	8		0		2.50	LD	NC	☐	NC		
Acute Toxic Substances in water	Endrin	12/1/2003	11/30/2010	8		0		0.18	LD	NC	☐	NC		
Acute Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	8		0		0.52	LD	NC	☐	NC		

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AUID 2312_01 From the Red Bluff Dam to mid-lake

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	PCBs	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	Aldrin	12/1/2003	11/30/2010	8		0		3.00	LD	NC	☐	NC		
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	Toxaphene	12/1/2003	11/30/2010	9	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Phenanthrene	12/1/2003	11/30/2010	8	5.73	0		30.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	2	0.28	0		5.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	8	0.03	0		0.08	LD	NC	☐	NC		
Chronic Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	6	2.99	0		64.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Dicofol (Kelthane)	12/1/2003	11/30/2010	7	2.05	0		19.80	LD	NC	☐	NC		
Chronic Toxic Substances in water	DDT	12/1/2003	11/30/2010	8	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	8	0.28	0		0.06	LD	NC	☐	NC		
Chronic Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	5	3.15	0		12.79	LD	NC	☐	NC		
Chronic Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	8	0.03	0		0.06	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2003	11/30/2010	9	0.02	0		0.04	LD	NC	☐	NC		
Chronic Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	9	0.03	0		0.06	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	9	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Demeton	12/1/2003	11/30/2010	6	0.05	0		0.10	LD	NC	☐	NC		
Chronic Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	8	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Endrin	12/1/2003	11/30/2010	8	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Guthion	12/1/2003	11/30/2010	7	0.01	0		0.01	LD	NC	☐	NC		

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AUID 2312_01 From the Red Bluff Dam to mid-lake

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	Heptachlor	12/1/2003	11/30/2010	8	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Malathion	12/1/2003	11/30/2010	9	0.01	0		0.01	LD	NC	☐	NC		
Chronic Toxic Substances in water	Methoxychlor	12/1/2003	11/30/2010	8	0.02	0		0.03	LD	NC	☐	NC		
Chronic Toxic Substances in water	Mirex	12/1/2003	11/30/2010	8	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	PCBs	12/1/2003	11/30/2010	1	0.01	0		0.01	ID	NA	☐	NA		
Toxic Substances in sediment	alpha-BHC	12/1/2003	11/30/2010	17		0		100.00	AD	NC	☐	NC		
Toxic Substances in sediment	Benzene	12/1/2003	11/30/2010	17		0		45,010.00	AD	NC	☐	NC		
Toxic Substances in sediment	1,1-Dichloroethane	12/1/2003	11/30/2010	17		0		13,890.00	AD	NC	☐	NC		
Toxic Substances in sediment	Dichlorodifluoromethane	12/1/2003	11/30/2010	4		0		22,090.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chlorobenzene	12/1/2003	11/30/2010	17		0		19,870.00	AD	NC	☐	NC		
Toxic Substances in sediment	Carbon tetrachloride	12/1/2003	11/30/2010	17		0		37,330.00	AD	NC	☐	NC		
Toxic Substances in sediment	Carbon disulfide	12/1/2003	11/30/2010	4		0		780.00	LD	NC	☐	NC		
Toxic Substances in sediment	Bromodichloromethane	12/1/2003	11/30/2010	17		0		14,740.00	AD	NC	☐	NC		
Toxic Substances in sediment	Acetone	12/1/2003	11/30/2010	4		0		367,990.00	LD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	17		0		62.90	AD	NC	☐	NC		
Toxic Substances in sediment	Di-n-butyl phthalate	12/1/2003	11/30/2010	17		0		43.00	AD	NC	☐	NC		
Toxic Substances in sediment	Toxaphene	12/1/2003	11/30/2010	17		0		32.00	AD	NC	☐	NC		
Toxic Substances in sediment	1,2-Dichloroethane	12/1/2003	11/30/2010	17		0		28,690.00	AD	NC	☐	NC		
Toxic Substances in sediment	beta-BHC	12/1/2003	11/30/2010	17		0		210.00	AD	NC	☐	NC		
Toxic Substances in sediment	Styrene	12/1/2003	11/30/2010	4		0		61,420.00	LD	NC	☐	NC		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2003	11/30/2010	17		0		1,050.00	AD	NC	☐	NC		

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AUID 2312_01 From the Red Bluff Dam to mid-lake

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	gamma-BHC (Lindane)	12/1/2003	11/30/2010	17		0		4.99	AD	NC	☐	NC		
Toxic Substances in sediment	Toluene	12/1/2003	11/30/2010	17		0		17,290.00	AD	NC	☐	NC		
Toxic Substances in sediment	Chloroform	12/1/2003	11/30/2010	17		0		5,630.00	AD	NC	☐	NC		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	17		0		31.30	AD	NC	☐	NC		
Toxic Substances in sediment	Xylene	12/1/2003	11/30/2010	17		0		12,010.00	AD	NC	☐	NC		
Toxic Substances in sediment	Vinyl chloride	12/1/2003	11/30/2010	17		0		11,780.00	AD	NC	☐	NC		
Toxic Substances in sediment	Trichlorofluoromethane	12/1/2003	11/30/2010	2		0		10,120.00	ID	NA	☐	NA		
Toxic Substances in sediment	1,1,2-Trichloroethane	12/1/2003	11/30/2010	17		0		5,880.00	AD	NC	☐	NC		
Toxic Substances in sediment	1,1,1-Trichloroethane	12/1/2003	11/30/2010	17		0		24,800.00	AD	NC	☐	NC		
Toxic Substances in sediment	Methylene chloride	12/1/2003	11/30/2010	17		2	63.15	46.52	AD	NC	☐	NC		
Toxic Substances in sediment	Bromoform	12/1/2003	11/30/2010	17		0		1,310.00	AD	NC	☐	NC		
Toxic Substances in sediment	1,2-Dichloroethene (trans)	12/1/2003	11/30/2010	17		0		71,840.00	AD	NC	☐	NC		
Toxic Substances in sediment	Tetrachloroethene	12/1/2003	11/30/2010	17		0		10,050.00	AD	NC	☐	NC		
Toxic Substances in sediment	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	17		0		3,800.00	AD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	24		0		459.00	AD	NC	☐	NC		
Toxic Substances in sediment	Nitrobenzene	12/1/2003	11/30/2010	17		0		161.06	AD	NC	☐	NC		
Toxic Substances in sediment	4-Methyl-2-Pentanone (MIBK)	12/1/2003	11/30/2010	4		0		116,590.00	LD	NC	☐	NC		
Toxic Substances in sediment	Ethylbenzene	12/1/2003	11/30/2010	17		0		17,180.00	AD	NC	☐	NC		
Toxic Substances in sediment	1,2-Dichloropropane	12/1/2003	11/30/2010	17		0		13,170.00	AD	NC	☐	NC		
Toxic Substances in sediment	1,2,4-Trichlorobenzene	12/1/2003	11/30/2010	17		0		5,310.00	AD	NC	☐	NC		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2003	11/30/2010	17		0		1,450.00	AD	NC	☐	NC		

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AUID 2312_01 From the Red Bluff Dam to mid-lake

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	17		0		140.00	AD	NC	☐	NC		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	17		0		28.00	AD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	24		0		149.00	AD	NC	☐	NC		
Toxic Substances in sediment	1,3-Dichlorobenzene	12/1/2003	11/30/2010	17		0		350.00	AD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2003	11/30/2010	24		0		111.00	AD	NC	☐	NC		
Toxic Substances in sediment	Iron	12/1/2003	11/30/2010	24		0		40,000.00	AD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	17		0		61.80	AD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	24		0		4.98	AD	NC	☐	NC		
Toxic Substances in sediment	Chrysene	12/1/2003	11/30/2010	17		0		1,290.00	AD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2003	11/30/2010	24		0		33.00	AD	NC	☐	NC		
Toxic Substances in sediment	Anthracene	12/1/2003	11/30/2010	17		0		845.00	AD	NC	☐	NC		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	17		0		80.00	AD	NC	☐	NC		
Toxic Substances in sediment	Acrylonitrile	12/1/2003	11/30/2010	17		0		1,360.00	AD	NC	☐	NC		
Toxic Substances in sediment	Acenaphthylene	12/1/2003	11/30/2010	17		0		130.00	AD	NC	☐	NC		
Toxic Substances in sediment	Acenaphthene	12/1/2003	11/30/2010	17		0		89.00	AD	NC	☐	NC		
Toxic Substances in sediment	1,4-Dichlorobenzene	12/1/2003	11/30/2010	17		0		4,650.00	AD	NC	☐	NC		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	17		0		17.60	AD	NC	☐	NC		
Toxic Substances in sediment	Phenanthrene	12/1/2003	11/30/2010	17		0		1,170.00	AD	NC	☐	NC		
Toxic Substances in sediment	Trichloroethene	12/1/2003	11/30/2010	17		0		5,070.00	AD	NC	☐	NC		
Toxic Substances in sediment	Chloromethane	12/1/2003	11/30/2010	17		0		10,680.00	AD	NC	☐	NC		
Toxic Substances in sediment	Pyrene	12/1/2003	11/30/2010	17		0		1,520.00	AD	NC	☐	NC		

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AUID 2312_01 From the Red Bluff Dam to mid-lake

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	Endrin	12/1/2003	11/30/2010	17		0		207.00	AD	NC	☐	NC		
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	17		0		676.00	AD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	24		0		48.60	AD	NC	☐	NC		
Toxic Substances in sediment	Naphthalene	12/1/2003	11/30/2010	17		0		561.00	AD	NC	☐	NC		
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	24		0		1.06	AD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	24		0		128.00	AD	NC	☐	NC		
Toxic Substances in sediment	Hexachloroethane	12/1/2003	11/30/2010	17		0		13,770.00	AD	NC	☐	NC		
Toxic Substances in sediment	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	17		0		550.00	AD	NC	☐	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	17		0		240.00	AD	NC	☐	NC		
Toxic Substances in sediment	Heptachlor epoxide	12/1/2003	11/30/2010	17		0		16.00	AD	NC	☐	NC		
Toxic Substances in sediment	Fluorene	12/1/2003	11/30/2010	17		0		536.00	AD	NC	☐	NC		
Toxic Substances in sediment	Fluoranthene	12/1/2003	11/30/2010	17		0		2,230.00	AD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2003	11/30/2010	24		0		1,100.00	AD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	24		0		2.20	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	Fecal coliform	12/1/2003	11/30/2010	11	1.07	0		200.00	SM	FS	☐	FS		
Bacteria Geomean	Enterococcus	12/1/2003	11/30/2010	2	5.66	0		33.00	ID	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	16		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	15		0		9.00	AD	FS	☐	FS		

AUID 2312_01 From the Red Bluff Dam to mid-lake

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	15		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	30	6104.73	0		9,400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	26	2190.12	0		3,200.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	26	1744.23	0		2,200.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	12		6	48.07	26.70	AD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	14		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	14		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	14		0		0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	14		0		0.05	AD	NC	☐	NC		
Fish Kill Reports	Fish Kill Reports	12/1/2003	11/30/2010						OE	CN	☑	CN	harmful algal bloom/golden alga	

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	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	17	8.59	0		76.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	17	0.36	0		0.71	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	18	7.50	0		7,143.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	DDE	12/1/2003	11/30/2010	18	0.00	0		0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	18	4.61	0		24.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	18	7.50	0		295.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	18	7.50	0		956,663.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	18	1.31	0		2.13	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	18	7.39	0		49.00	AD	FS	☐	FS		

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AUID 2312_01 From the Red Bluff Dam to mid-lake

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	14	12.31	0		1,500,000.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	18	7.50	0		7,143.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	18	7.50	0		23,916.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2003	11/30/2010	18	7.50	0		553.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromoform	12/1/2003	11/30/2010	18	7.50	0		2,175.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2003	11/30/2010	18	7.50	0		5,201.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachlorophene	12/1/2003	11/30/2010	8	0.00	0		0.01	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2003	11/30/2010	18	7.50	0		226.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	N-Nitrosodiethylamine	12/1/2003	11/30/2010	17	1.05	0		2.10	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	17	2.10	0		4.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Pentachlorobenzene	12/1/2003	11/30/2010	17	0.50	0		1.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Silvex	12/1/2003	11/30/2010	16	0.27	0		7.60	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Pyridine	12/1/2003	11/30/2010	15	7.10	0		2,014.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	15	2.61	0		5.27	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2003	11/30/2010	13	7.79	0		1,445.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	o-Dichlorobenzene	12/1/2003	11/30/2010	13	7.79	0		4,336.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	18	7.50	0		5,926.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	2,4-Dimethylphenol	12/1/2003	11/30/2010	10	2.63	0		571.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cresols	12/1/2003	11/30/2010	15	12.66	0		1,981.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2003	11/30/2010	16	0.00	0		0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	17	1.90	0		3.80	AD	FS	☐	FS		

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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	Aldrin	12/1/2003	11/30/2010	16	0.00	0		0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzidine	12/1/2003	11/30/2010	17	0.00	0		0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzo(a)anthracene	12/1/2003	11/30/2010	15	0.17	0		0.33	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzo(a)pyrene	12/1/2003	11/30/2010	15	0.17	0		0.33	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2003	11/30/2010	18	0.00	0		0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chrysene	12/1/2003	11/30/2010	15	7.11	0		327.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	DDD	12/1/2003	11/30/2010	16	0.01	0		0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Nitrobenzene	12/1/2003	11/30/2010	13	7.79	0		463.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Endrin	12/1/2003	11/30/2010	16	0.05	0		0.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	18	5.17	0		29.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2003	11/30/2010	16	0.00	0		0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	14	0.00	0		0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	13	7.79	0		274.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	18	7.50	0		513.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Methoxychlor	12/1/2003	11/30/2010	16	0.07	0		0.33	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	PCBs	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	18	7.50	0		649.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	16	0.10	0		6.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2003	11/30/2010	18	0.00	0		0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Di-n-butyl phthalate	12/1/2003	11/30/2010	16	6.83	0		3,010.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	DDT	12/1/2003	11/30/2010	16	0.00	0		0.01	AD	FS	☐	FS		

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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	Dicofol (Kelthane)	12/1/2003	11/30/2010	14	0.04	0		0.08	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	10	3.15	0		57.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2003	11/30/2010	18	7.50	0		322.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	12	3.00	0		2,435.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2003	11/30/2010	15	7.10	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2003	11/30/2010	16	0.00	0		0.00	AD	FS	☐	FS		

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AUID 2312_02 From mid-lake to the Texas/New Mexico state line

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		2	3.58	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	14		1	2.2	3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	8		0		2.00	LD	NC	☐	NC		
Acute Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	6		0		136.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	5		0		27.40	LD	NC	☐	NC		
Acute Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	8		0		0.22	LD	NC	☐	NC		
Acute Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	8		0		0.22	LD	NC	☐	NC		
Acute Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	9		0		0.22	LD	NC	☐	NC		
Acute Toxic Substances in water	Dicofol (Kelthane)	12/1/2003	11/30/2010	7		0		59.30	LD	NC	☐	NC		
Acute Toxic Substances in water	DDT	12/1/2003	11/30/2010	8		0		1.10	LD	NC	☐	NC		
Acute Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	9		0		0.78	LD	NC	☐	NC		
Acute Toxic Substances in water	Endrin	12/1/2003	11/30/2010	8		0		0.18	LD	NC	☐	NC		
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	PCBs	12/1/2003	11/30/2010	1		0		2.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	8		0		0.52	LD	NC	☐	NC		
Acute Toxic Substances in water	Phenanthrene	12/1/2003	11/30/2010	7		0		30.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	8		0		2.50	LD	NC	☐	NC		
Acute Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2003	11/30/2010	9		0		0.08	LD	NC	☐	NC		
Acute Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	9		0		2.40	LD	NC	☐	NC		
Acute Toxic Substances in water	Aldrin	12/1/2003	11/30/2010	8		0		3.00	LD	NC	☐	NC		

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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	Phenanthrene	12/1/2003	11/30/2010	7	4.41	0		30.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	8	0.03	0		0.08	LD	NC	☐	NC		
Chronic Toxic Substances in water	DDT	12/1/2003	11/30/2010	8	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	9	0.03	0		0.06	LD	NC	☐	NC		
Chronic Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	8	0.03	0		0.06	LD	NC	☐	NC		
Chronic Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	8	0.03	0		0.06	LD	NC	☐	NC		
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	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	6	3.00	0		64.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	9	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	5	3.15	0		12.79	LD	NC	☐	NC		
Chronic Toxic Substances in water	Demeton	12/1/2003	11/30/2010	5	0.05	0		0.10	LD	NC	☐	NC		
Chronic Toxic Substances in water	Dicofol (Kelthane)	12/1/2003	11/30/2010	7	2.02	0		19.80	LD	NC	☐	NC		
Chronic Toxic Substances in water	PCBs	12/1/2003	11/30/2010	1	0.01	0		0.01	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2003	11/30/2010	9	0.02	0		0.04	LD	NC	☐	NC		
Chronic Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	8	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Endrin	12/1/2003	11/30/2010	8	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Guthion	12/1/2003	11/30/2010	7	0.01	0		0.01	LD	NC	☐	NC		
Chronic Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	8	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Malathion	12/1/2003	11/30/2010	9	0.01	0		0.01	LD	NC	☐	NC		
Chronic Toxic Substances in water	Methoxychlor	12/1/2003	11/30/2010	8	0.02	0		0.03	LD	NC	☐	NC		
Chronic Toxic Substances in water	Mirex	12/1/2003	11/30/2010	8	0.00	0		0.00	LD	NC	☐	NC		

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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	Chlordane	12/1/2003	11/30/2010	9	0.00	0		0.00	LD	NC	☐	NC		
Toxic Substances in sediment	1,2-Dichloroethane	12/1/2003	11/30/2010	17		0		28,690.00	AD	NC	☐	NC		
Toxic Substances in sediment	alpha-BHC	12/1/2003	11/30/2010	17		0		100.00	AD	NC	☐	NC		
Toxic Substances in sediment	Bromodichloromethane	12/1/2003	11/30/2010	17		0		14,740.00	AD	NC	☐	NC		
Toxic Substances in sediment	1,1-Dichloroethane	12/1/2003	11/30/2010	17		0		13,890.00	AD	NC	☐	NC		
Toxic Substances in sediment	Dichlorodifluoromethane	12/1/2003	11/30/2010	4		0		22,090.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chlorobenzene	12/1/2003	11/30/2010	17		0		19,870.00	AD	NC	☐	NC		
Toxic Substances in sediment	Carbon tetrachloride	12/1/2003	11/30/2010	17		0		37,330.00	AD	NC	☐	NC		
Toxic Substances in sediment	Carbon disulfide	12/1/2003	11/30/2010	4		0		780.00	LD	NC	☐	NC		
Toxic Substances in sediment	Benzene	12/1/2003	11/30/2010	17		0		45,010.00	AD	NC	☐	NC		
Toxic Substances in sediment	Acetone	12/1/2003	11/30/2010	4		0		367,990.00	LD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	17		0		62.90	AD	NC	☐	NC		
Toxic Substances in sediment	Di-n-butyl phthalate	12/1/2003	11/30/2010	17		0		43.00	AD	NC	☐	NC		
Toxic Substances in sediment	Toxaphene	12/1/2003	11/30/2010	17		0		32.00	AD	NC	☐	NC		
Toxic Substances in sediment	gamma-BHC (Lindane)	12/1/2003	11/30/2010	17		0		4.99	AD	NC	☐	NC		
Toxic Substances in sediment	beta-BHC	12/1/2003	11/30/2010	17		0		210.00	AD	NC	☐	NC		
Toxic Substances in sediment	1,2-Dichloroethene (trans)	12/1/2003	11/30/2010	17		0		71,840.00	AD	NC	☐	NC		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2003	11/30/2010	17		0		1,050.00	AD	NC	☐	NC		
Toxic Substances in sediment	Toluene	12/1/2003	11/30/2010	17		0		17,290.00	AD	NC	☐	NC		
Toxic Substances in sediment	Iron	12/1/2003	11/30/2010	24		0		40,000.00	AD	NC	☐	NC		
Toxic Substances in sediment	1,1,2-Trichloroethane	12/1/2003	11/30/2010	17		0		5,880.00	AD	NC	☐	NC		

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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	DDE	12/1/2003	11/30/2010	17		0		31.30	AD	NC	☐	NC		
Toxic Substances in sediment	Xylene	12/1/2003	11/30/2010	17		0		12,010.00	AD	NC	☐	NC		
Toxic Substances in sediment	Chloroform	12/1/2003	11/30/2010	17		0		5,630.00	AD	NC	☐	NC		
Toxic Substances in sediment	1,1,1-Trichloroethane	12/1/2003	11/30/2010	17		0		24,800.00	AD	NC	☐	NC		
Toxic Substances in sediment	Trichlorofluoromethane	12/1/2003	11/30/2010	2		0		10,120.00	ID	NA	☐	NA		
Toxic Substances in sediment	Bromoform	12/1/2003	11/30/2010	17		0		1,310.00	AD	NC	☐	NC		
Toxic Substances in sediment	1,2-Dichloropropane	12/1/2003	11/30/2010	17		0		13,170.00	AD	NC	☐	NC		
Toxic Substances in sediment	Tetrachloroethene	12/1/2003	11/30/2010	17		0		10,050.00	AD	NC	☐	NC		
Toxic Substances in sediment	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	17		0		3,800.00	AD	NC	☐	NC		
Toxic Substances in sediment	Styrene	12/1/2003	11/30/2010	4		0		61,420.00	LD	NC	☐	NC		
Toxic Substances in sediment	Nitrobenzene	12/1/2003	11/30/2010	17		0		161.06	AD	NC	☐	NC		
Toxic Substances in sediment	Methylene chloride	12/1/2003	11/30/2010	17		2	63.15	46.52	AD	NC	☐	NC		
Toxic Substances in sediment	4-Methyl-2-Pentanone (MIBK)	12/1/2003	11/30/2010	4		0		116,590.00	LD	NC	☐	NC		
Toxic Substances in sediment	Ethylbenzene	12/1/2003	11/30/2010	17		0		17,180.00	AD	NC	☐	NC		
Toxic Substances in sediment	1,2,4-Trichlorobenzene	12/1/2003	11/30/2010	17		0		5,310.00	AD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2003	11/30/2010	24		0		33.00	AD	NC	☐	NC		
Toxic Substances in sediment	Vinyl chloride	12/1/2003	11/30/2010	17		0		11,780.00	AD	NC	☐	NC		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	17		0		28.00	LD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	24		0		149.00	AD	NC	☐	NC		
Toxic Substances in sediment	Chrysene	12/1/2003	11/30/2010	17		0		1,290.00	AD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2003	11/30/2010	24		0		111.00	AD	NC	☐	NC		

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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	Chloromethane	12/1/2003	11/30/2010	17		0		10,680.00	AD	NC	☐	NC		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	17		0		17.60	AD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	17		0		61.80	AD	NC	☐	NC		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2003	11/30/2010	17		0		1,450.00	AD	NC	☐	NC		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	17		0		207.00	AD	NC	☐	NC		
Toxic Substances in sediment	Anthracene	12/1/2003	11/30/2010	17		0		845.00	AD	NC	☐	NC		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	17		0		80.00	AD	NC	☐	NC		
Toxic Substances in sediment	Acrylonitrile	12/1/2003	11/30/2010	17		0		1,360.00	AD	NC	☐	NC		
Toxic Substances in sediment	Acenaphthylene	12/1/2003	11/30/2010	17		0		130.00	AD	NC	☐	NC		
Toxic Substances in sediment	Acenaphthene	12/1/2003	11/30/2010	17		0		89.00	AD	NC	☐	NC		
Toxic Substances in sediment	1,4-Dichlorobenzene	12/1/2003	11/30/2010	17		0		4,650.00	AD	NC	☐	NC		
Toxic Substances in sediment	1,3-Dichlorobenzene	12/1/2003	11/30/2010	17		0		350.00	AD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	24		0		4.98	AD	NC	☐	NC		
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	24		0		1.06	AD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	24		0		459.00	AD	NC	☐	NC		
Toxic Substances in sediment	Trichloroethene	12/1/2003	11/30/2010	17		0		5,070.00	AD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	24		0		2.20	AD	NC	☐	NC		
Toxic Substances in sediment	Pyrene	12/1/2003	11/30/2010	17		0		1,520.00	AD	NC	☐	NC		
Toxic Substances in sediment	Phenanthrene	12/1/2003	11/30/2010	17		0		1,170.00	AD	NC	☐	NC		
Toxic Substances in sediment	PCBs	12/1/2003	11/30/2010	17		0		676.00	AD	NC	☐	NC		
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2003	11/30/2010	17		0		140.00	AD	NC	☐	NC		

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AUID 2312_02 — From mid-lake to the Texas/New Mexico state line

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	Naphthalene	12/1/2003	11/30/2010	17		0		561.00	AD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2003	11/30/2010	24		0		1,100.00	AD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	24		0		128.00	AD	NC	☐	NC		
Toxic Substances in sediment	Hexachloroethane	12/1/2003	11/30/2010	17		0		13,770.00	AD	NC	☐	NC		
Toxic Substances in sediment	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	17		0		550.00	AD	NC	☐	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	17		0		240.00	AD	NC	☐	NC		
Toxic Substances in sediment	Heptachlor epoxide	12/1/2003	11/30/2010	17		0		16.00	AD	NC	☐	NC		
Toxic Substances in sediment	Fluorene	12/1/2003	11/30/2010	17		0		536.00	AD	NC	☐	NC		
Toxic Substances in sediment	Fluoranthene	12/1/2003	11/30/2010	17		0		2,230.00	AD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	24		0		48.60	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	Enterococcus	12/1/2003	11/30/2010	2	22.65	0		33.00	ID	NA	☐	NA		
Bacteria Geomean	Fecal coliform	12/1/2003	11/30/2010	9	7.93	0		200.00	SM	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	14		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	30	6104.73	0		9,400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	26	2190.12	0		3,200.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	26	1744.23	0		2,200.00	AD	FS	☐	FS		

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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	12		2	0.24	0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	12		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	12		0		0.05	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	11		2	0.55	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	10		7	51.59	26.70	AD	CS	☐	CS	chlorophyll-a	
Fish Kill Reports	Fish Kill Reports	12/1/2003	11/30/2010						OE	CN	☑	CN	harmful algal bloom/golden alga	

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-Dichloroethylene	12/1/2003	11/30/2010	18	7.50	0		23,916.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromoform	12/1/2003	11/30/2010	18	7.50	0		2,175.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	18	4.61	0		24.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	18	7.50	0		295.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	18	7.50	0		956,663.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	DDE	12/1/2003	11/30/2010	18	0.00	0		0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	18	7.39	0		49.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	17	8.59	0		76.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Nitrobenzene	12/1/2003	11/30/2010	13	7.79	0		463.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	18	7.50	0		7,143.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2003	11/30/2010	18	7.50	0		226.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	N-Nitroso-di-n-butylamine	12/1/2003	11/30/2010	17	2.10	0		4.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2003	11/30/2010	18	7.50	0		553.00	AD	FS	☐	FS		

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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	Ethylbenzene	12/1/2003	11/30/2010	18	7.50	0		7,143.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2,4,5-Tetrachlorobenzene	12/1/2003	11/30/2010	17	0.36	0		0.71	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	18	1.31	0		2.13	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cresols	12/1/2003	11/30/2010	15	12.66	0		1,981.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachlorophene	12/1/2003	11/30/2010	8	0.00	0		0.01	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	N-Nitrosodiethylamine	12/1/2003	11/30/2010	17	1.05	0		2.10	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	2,4-Dimethylphenol	12/1/2003	11/30/2010	10	2.63	0		571.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Silvex	12/1/2003	11/30/2010	16	0.27	0		7.60	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Pentachlorobenzene	12/1/2003	11/30/2010	17	0.50	0		1.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bis(2-chloroethyl)ether	12/1/2003	11/30/2010	15	2.61	0		5.27	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2003	11/30/2010	13	7.79	0		1,445.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	o-Dichlorobenzene	12/1/2003	11/30/2010	13	7.79	0		4,336.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	18	7.50	0		5,926.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2003	11/30/2010	18	7.50	0		5,201.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	14	12.31	0		1,500,000.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	13	7.79	0		274.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	18	5.17	0		29.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	17	1.90	0		3.80	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2003	11/30/2010	16	0.00	0		0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzidine	12/1/2003	11/30/2010	17	0.00	0		0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzo(a)anthracene	12/1/2003	11/30/2010	15	0.17	0		0.33	AD	FS	☐	FS		

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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)pyrene	12/1/2003	11/30/2010	15	0.17	0		0.33	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2003	11/30/2010	18	0.00	0		0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chrysene	12/1/2003	11/30/2010	15	7.11	0		327.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	DDD	12/1/2003	11/30/2010	16	0.01	0		0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2003	11/30/2010	16	0.00	0		0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Endrin	12/1/2003	11/30/2010	16	0.05	0		0.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2003	11/30/2010	16	0.00	0		0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Pyridine	12/1/2003	11/30/2010	15	7.10	0		2,014.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	14	0.00	0		0.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2003	11/30/2010	15	7.10	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Methoxychlor	12/1/2003	11/30/2010	16	0.07	0		0.33	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	PCBs	12/1/2003	11/30/2010	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	18	7.50	0		649.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	gamma-BHC (Lindane)	12/1/2003	11/30/2010	16	0.10	0		6.20	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2003	11/30/2010	18	0.00	0		0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Di-n-butyl phthalate	12/1/2003	11/30/2010	16	6.83	0		3,010.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	DDT	12/1/2003	11/30/2010	16	0.00	0		0.01	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dicofol (Kelthane)	12/1/2003	11/30/2010	14	0.04	0		0.08	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Pentachlorophenol (PCP)	12/1/2003	11/30/2010	10	3.15	0		57.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	2,4,5-Trichlorophenol	12/1/2003	11/30/2010	12	3.00	0		2,435.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	18	7.50	0		513.00	AD	FS	☐	FS		

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AUID **2312_02** From mid-lake to the Texas/New Mexico state line

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	18	7.50	0		322.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2003	11/30/2010	16	0.00	0		0.00	AD	FS	☐	FS		

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SEGID 2313 San Felipe Creek

AUID 2313_01 From the Rio Grande confluence to the San Felipe Springs upstream of US 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	12/1/2003	11/30/2010	44		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	44		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	35	140.04	1		126.00	JQ	NS	☐	CN	bacteria	

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	44		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	45	287.58	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	44	18.77	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	44	20.07	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	41		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	43		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	43		1	0.55	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	43		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	41		0		14.10	AD	NC	☐	NC		

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AUID **2313_01** From the Rio Grande confluence to the San Felipe Springs upstream of US 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	Nitrate	12/1/2003	11/30/2010	40	1.60	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	43	0.15	0		4.00	AD	FS	☐	FS		

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SEGID 2314 Rio Grande Above International Dam

AUID 2314_01 From the International Dam upstream to the Anthony Drain confluence

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	122		1	4.7	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	122		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	43		1	1170	991.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	43		0		360.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	1		0		90.91	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	43		0		1,143.12	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	43		0		3,020.76	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	40	8.85	0		190.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	1	0.80	0		2.05	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	40	2.56	0		364.61	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	40	14.58	0		329.68	AD	FS	☐	FS		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	1		0		207.00	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	1		0		240.00	ID	NA	☐	NA		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	1		0		1,300.00	ID	NA	☐	NA		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	1		0		31.30	ID	NA	☐	NA		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	1		0		28.00	ID	NA	☐	NA		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	1		0		17.60	ID	NA	☐	NA		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	1		0		80.00	ID	NA	☐	NA		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	1		0		62.90	ID	NA	☐	NA		

AUID 2314_01 — From the International Dam upstream to the Anthony Drain confluence

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	1		0		61.80	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	73	237.85	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	126		0		33.30	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	100		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	100		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	104	301.19	0		600.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	160	1035.12	0		1,800.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	104	208.26	0		340.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	71		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	53		5	0.91	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	75		13	0.65	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	63		15	1.2	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	78		35	34.67	14.10	AD	CS	☐	CS	chlorophyll-a	

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	1	0.80	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	10	0.29			0.75	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	35	2.57	0		62.00	AD	FS	☐	FS		

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AUID 2314_01 From the International Dam upstream to the Anthony Drain confluence

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	35	8.87	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	35	89.77	0		2,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	1	0.80	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	92	0.62	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	88	0.61	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Thallium	12/1/2003	11/30/2010	10	0.29			0.75	AD	FS	☐	FS		
Surface Water Toxic Substances average concern	Alachlor	12/1/2003	11/30/2010	41	0.25	0		2.00	AD	NC	☐	NC		
Surface Water Toxic Substances average concern	Atrazine	12/1/2003	11/30/2010	41	0.25	0		3.00	AD	NC	☐	NC		
Surface Water Toxic Substances average concern	MTBE	12/1/2003	11/30/2010	40	3.18	0		240.00	AD	NC	☐	NC		

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AUID 2314_02 — From the Anthony Drain confluence upstream to the New Mexico/Texas state line

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	28		1	4.6	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	28		0		3.00	AD	FS	☐	FS		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	1		0		240.00	ID	NA	☐	NA		
Toxic Substances in sediment	Aldrin	12/1/2003	11/30/2010	1		0		80.00	ID	NA	☐	NA		
Toxic Substances in sediment	DDT	12/1/2003	11/30/2010	1		0		62.90	ID	NA	☐	NA		
Toxic Substances in sediment	DDE	12/1/2003	11/30/2010	1		0		31.30	ID	NA	☐	NA		
Toxic Substances in sediment	Mirex	12/1/2003	11/30/2010	1		0		1,300.00	ID	NA	☐	NA		
Toxic Substances in sediment	Dieldrin	12/1/2003	11/30/2010	1		0		61.80	ID	NA	☐	NA		
Toxic Substances in sediment	Chlordane	12/1/2003	11/30/2010	1		0		17.60	ID	NA	☐	NA		
Toxic Substances in sediment	DDD	12/1/2003	11/30/2010	1		0		28.00	ID	NA	☐	NA		
Toxic Substances in sediment	Endrin	12/1/2003	11/30/2010	1		0		207.00	ID	NA	☐	NA		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	26	81.64	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	32		0		33.30	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	29		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	29		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	160	1035.12	0		1,800.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	104	208.26	0		340.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	104	301.19	0		600.00	AD	FS	☐	FS		

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AUID 2314_02 — From the Anthony Drain confluence upstream to the New Mexico/Texas state line

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	29		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	28		1	1.46	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	23		1	1.3	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	29		3	3.45	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	27		16	31.68	14.10	AD	CS	☐	CS	chlorophyll-a	

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2003	11/30/2010	1	0.80			5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	35	2.57			62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Thallium	12/1/2003	11/30/2010	10	0.29			0.75	AD	FS	☐	FS		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Arsenic	12/1/2003	11/30/2010	35	8.87			10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2003	11/30/2010	35	89.77			2,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2003	11/30/2010	1	0.80			5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	92	0.62	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	88	0.61	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Thallium	12/1/2003	11/30/2010	10	0.29			0.75	AD	FS	☐	FS		
Surface Water Toxic Substances average concern	MTBE	12/1/2003	11/30/2010	40	3.18			240.00	AD	NC	☐	NC		
Surface Water Toxic Substances average concern	Alachlor	12/1/2003	11/30/2010	41	0.25			2.00	AD	NC	☐	NC		
Surface Water Toxic Substances average concern	Atrazine	12/1/2003	11/30/2010	41	0.25			3.00	AD	NC	☐	NC		