

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

<b>Report Abbreviations:</b>	<b>Description:</b>									
<b>SEGID:</b>	Unique Segment identification alpha-numeric code; can be stream, reservoir, estuary, oyster waters, beach watch, etc.									
<b>AUID:</b>	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.									
<b>ASMT Start Date:</b>	The start date of the period of record data for this method was selected; the official 2010 period of record is from 12/1/2001 to 11/30/2008. Assessors have the option of going back 10 years (12/1/1998) to select more data, according to assessment guidance.									
<b>ASMT End Date:</b>	The end date of the period of record data for this method was selected; the official 2010 period of record dates are 12/1/2001 to 11/30/2008. Assessors have the option of including more recently collected data than 12/01/2008, if available.									
<b># Assd:</b>	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.									
<b>Mean assd:</b>	Mean of samples assessed; includes averaged methods like chronic criteria as well as geometric mean calculations for bacteria.									
<b># exceed:</b>	The number of samples that exceed criteria for single sample, or binomial, methods (not averaged data).									
<b>Mean exceed:</b>	This is the mean of the samples that exceeded criteria for the single sample, or binomial, methods (not averaged data).									
<b>Criteria:</b>	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.									
<b>DS Qual:</b>	<b>Dataset Qualifier - indicates sample sizes:</b>									
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">ID = Inadequate Data (less than 4)</td> <td style="width: 33%;">LD = Limited Data (less than 9, greater than 3)</td> <td style="width: 33%;">AD = Adequate Data (10 or more samples)</td> </tr> <tr> <td>JQ = Level of support is based on judgment of the assessor</td> <td>SR = Spatially Not Representative, used with NA</td> <td>TR = Temporally Not Representative, used with NA</td> </tr> <tr> <td>SM = This assessment method is superseded by another method</td> <td colspan="2">OE = Other information than ambient samples evaluated, generally information is provided by outside entity</td> </tr> </table>	ID = Inadequate Data (less than 4)	LD = Limited Data (less than 9, greater than 3)	AD = Adequate Data (10 or more samples)	JQ = Level of support is based on judgment of the assessor	SR = Spatially Not Representative, used with NA	TR = Temporally Not Representative, used with NA	SM = This assessment method is superseded by another method	OE = Other information than ambient samples evaluated, generally information is provided by outside entity	
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<b>LOS:</b>	<b>Level of support for this use, method, assessment parameter:</b>									
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">FS = Fully Supporting</td> <td style="width: 33%;">NC = No Concern</td> <td style="width: 33%;">CN = Use Concern</td> </tr> <tr> <td>CS = Screening Level Concern</td> <td colspan="2">NS = Nonsupport</td> </tr> </table>	FS = Fully Supporting	NC = No Concern	CN = Use Concern	CS = Screening Level Concern	NS = Nonsupport				
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<b>CF:</b>	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.									
<b>Int LOS:</b>	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: <b>PI</b> = Pending Issue									
<b>TCEQ Cause:</b>	This is the impairment description (e.g., bacteria, depressed dissolved oxygen, etc.)									
<b>Cat:</b>	<b>This is the assessment category assigned to this impairment. Subcategories as follows:</b>									
	<b>Category 4:</b> Standard is not supported or is threatened for one or more designated uses but does not require the development of a TMDL.									
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	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.							
<b>Category 5:</b> The water body does not meet applicable water quality standards or is threatened for one or more designated uses by one or more pollutants.										
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## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

Segment New  
in 2010? **No**

**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	12/1/2001	11/30/2008	16		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	16		0		4.00	AD	FS	<input type="checkbox"/>	FS		

**USE Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	Fecal coliform	12/1/2001	11/30/2008	11		1	820	400.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	Fecal coliform	12/1/2001	11/30/2008	11	8.17			200.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	19		0		35.00	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	18		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	18		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	18		1	1.65	1.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	19		7	60.06	21.00	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	17		1	0.76	0.66	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	13		4	0.55	0.46	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	18		1	0.6	0.46	AD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	14		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	14		0		4.00	AD	FS	<input type="checkbox"/>	FS		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	2		0		4.90	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	2		0		3.74	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	2		0		4.77	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	2		0		1.80	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	2		0		7.81	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	2		0		4.30	ID	NA	<input type="checkbox"/>	NA		

### USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	Enterococcus	12/1/1998	11/30/2008	5		1	1260	89.00	LD	NC	<input type="checkbox"/>	NC		
Bacteria Geomean	Enterococcus	12/1/1998	11/30/2008	5	84.08			35.00	LD	CN	<input type="checkbox"/>	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	12/1/2001	11/30/2008	16		0		35.00	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	16		1	10.2	9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	16		1	6.4	6.50	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	16		5	3.95	1.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	8		0		0.46	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	15		1	0.57	0.46	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	14		1	0.76	0.66	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	16		6	63.38	21.00	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

Segment New  
in 2010? No

**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	12/1/2001	11/30/2008	110		19	3.62	5.00	AD	CS	<input type="checkbox"/>	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	110		4	1.59	3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Toxaphene	12/1/2001	11/30/2008	1		0		0.78	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	11		0		0.80	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Endosulfan sulfate	12/1/2001	11/30/2008	1		0		0.22	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Endosulfan 2 (beta)	12/1/2001	11/30/2008	1		0		0.22	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2001	11/30/2008	1		0		0.22	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Aldrin	12/1/2001	11/30/2008	1		0		3.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	DDT	12/1/2001	11/30/2008	1		0		1.10	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	gamma-BHC (Lindane)	12/1/2001	11/30/2008	1		0		2.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	11		0		322.80	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	11		0		3,985.77	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	11		0		991.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Heptachlor	12/1/2001	11/30/2008	1		0		0.52	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Endrin	12/1/2001	11/30/2008	1		0		0.18	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Dieldrin	12/1/2001	11/30/2008	1		0		2.50	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	11		0		58.37	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	11		0		1,495.02	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chlordane	12/1/2001	11/30/2008	1		0		2.40	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Cadmium	12/1/2001	11/30/2008	11		0		130.36	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	44		0		360.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	11		0		344.67	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Dicofol (Kelthane)	12/1/2001	11/30/2008	1		0		59.30	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	11	1.59			234.83	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	gamma-BHC (Lindane)	12/1/2001	11/30/2008	1	0.03			0.08	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Toxaphene	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	DDT	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Dicofol (Kelthane)	12/1/2001	11/30/2008	1	0.53			19.80	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2001	11/30/2008	1	0.03			0.06	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Endosulfan 2 (beta)	12/1/2001	11/30/2008	1	0.03			0.06	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Endosulfan sulfate	12/1/2001	11/30/2008	1	0.03			0.06	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	11	3.39			352.78	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chlordane	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	11	0.37			389.31	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Mirex	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	11	1.65			27.79	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	44	4.50			190.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Dieldrin	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Endrin	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Heptachlor	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Lead	12/1/2001	11/30/2008	11	0.06			8.50	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Methoxychlor	12/1/2001	11/30/2008	1	0.02			0.03	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	11	0.02			2.18	AD	FS	<input type="checkbox"/>	FS		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	4		0		17.60	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Mirex	12/1/2001	11/30/2008	4		0		1,300.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	4		0		31.30	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	4		0		62.90	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	4		0		32.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	4		0		676.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	4		0		240.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	4		0		207.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	4		0		28.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	4		0		80.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	4		0		61.80	LD	NC	<input type="checkbox"/>	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 Single Sample	E. coli	12/1/2001	11/30/2008	41		17	1863.18	394.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5c
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	41	306.28			126.00	AD	NS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	116		2	33.58	32.20	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	113		0		9.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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
Low pH	pH	12/1/2001	11/30/2008	113		1	6.45	6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	507	719.00			880.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	473	146.74			270.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	473	202.75			350.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	112		18	0.56	0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	111		3	1.06	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	79		10	0.48	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	112		9	6.66	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	71		14	39	14.10	AD	NC	<input type="checkbox"/>	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	Hexachlorophene	12/1/2001	11/30/2008	1	0.03			0.05	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2001	11/30/2008	1	5.00			5.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Dicofol (Kelthane)	12/1/2001	11/30/2008	1	0.11			0.22	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Benzene	12/1/2001	11/30/2008	1	5.00			5.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	DDT	12/1/2001	11/30/2008	1	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2001	11/30/2008	1	1.88			3.76	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2001	11/30/2008	1	2.50			776.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2001	11/30/2008	1	0.82			1.63	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2001	11/30/2008	1	5.00			5.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2001	11/30/2008	1	2.50			200.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Vinyl chloride	12/1/2001	11/30/2008	1	1.00			2.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2001	11/30/2008	1	2.50			100.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2001	11/30/2008	1	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2001	11/30/2008	1	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	DDE	12/1/2001	11/30/2008	1	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2001	11/30/2008	1	0.01			0.02	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	gamma-BHC (Lindane)	12/1/2001	11/30/2008	1	0.03			0.20	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2001	11/30/2008	1	10.00			52,917.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2001	11/30/2008	11	0.02			5.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2008	11	0.37			100.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	DDD	12/1/2001	11/30/2008	1	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Methoxychlor	12/1/2001	11/30/2008	1	0.03			2.21	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2001	11/30/2008	1	0.64			1.28	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2001	11/30/2008	1	5.00			5.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Endrin	12/1/2001	11/30/2008	1	0.03			1.27	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	11	0.06			4.98	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	1	0.01			0.02	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2001	11/30/2008	1	0.03			0.16	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		



## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2001	11/30/2008						ID	NA	<input checked="" type="checkbox"/>	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	Tetrachloroethene	12/1/2001	11/30/2008	1	5.00			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Dicofol (Kelthane)	12/1/2001	11/30/2008	1	0.11			0.22	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Benzene	12/1/2001	11/30/2008	1	5.00			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Carbon tetrachloride	12/1/2001	11/30/2008	1	1.88			3.76	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Chlorobenzene	12/1/2001	11/30/2008	1	2.50			776.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	1,2-Dichloroethane	12/1/2001	11/30/2008	1	5.00			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	1,1-Dichloroethylene	12/1/2001	11/30/2008	1	0.82			1.63	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	DDT	12/1/2001	11/30/2008	1	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	1,1,1-Trichloroethane	12/1/2001	11/30/2008	1	2.50			200.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Vinyl chloride	12/1/2001	11/30/2008	1	1.00			2.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	DDE	12/1/2001	11/30/2008	1	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Chloroform	12/1/2001	11/30/2008	1	2.50			100.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	1,2-Dibromoethane	12/1/2001	11/30/2008	1	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Hexachlorophene	12/1/2001	11/30/2008	1	0.03			0.05	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	gamma-BHC (Lindane)	12/1/2001	11/30/2008	1	0.03			0.20	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Trihalomethane	12/1/2001	11/30/2008	1	2.50			100.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2001	11/30/2008	1	2.50			75.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Methyl ethyl ketone	12/1/2001	11/30/2008	1	10.00			52,917.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Aldrin	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Toxaphene	12/1/2001	11/30/2008	1	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Acrylonitrile	12/1/2001	11/30/2008	1	0.64			1.28	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Arsenic	12/1/2001	11/30/2008	44	4.50			50.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2001	11/30/2008	11	107.07			2,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2001	11/30/2008	11	0.02			5.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Chlordane	12/1/2001	11/30/2008	1	0.01			0.02	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	DDD	12/1/2001	11/30/2008	1	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Dieldrin	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	34	0.50			4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Heptachlor	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Heptachlor epoxide	12/1/2001	11/30/2008	1	0.03			0.16	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	1	0.01			0.02	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2001	11/30/2008	11	0.06			4.98	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Methoxychlor	12/1/2001	11/30/2008	1	0.03			2.21	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	112	1.08			10,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Trichloroethene	12/1/2001	11/30/2008	1	5.00			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Endrin	12/1/2001	11/30/2008	1	0.03			1.27	ID	NA	<input type="checkbox"/>	NA		
Surface Water Toxic Substances average concern	MTBE	12/1/2001	11/30/2008	1	2.50			240.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID** 2302\_02 From the Rancho Viejo Floodway upstream to the Progreso 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	12/1/2001	11/30/2008	20		1	4.4	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	20		0		3.00	AD	FS	<input type="checkbox"/>	FS		

**USE** Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	18		1	2400	394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	18	43.40			126.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	20		1	32.3	32.20	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	20		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	20		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	507	719.00			880.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	473	146.74			270.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	473	202.75			350.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	22		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	21		3	0.49	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	22		8	0.69	0.33	AD	CS	<input type="checkbox"/>	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	22		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	22		2	28.3	14.10	AD	NC	<input type="checkbox"/>	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	12/1/2001	11/30/2008						ID	NA	<input checked="" type="checkbox"/>	CS	mercury in edible tissue	

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Fluoride	12/1/2001	11/30/2008	22	0.47			4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	22	0.73			10,000.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	106		16	4.01	5.00	AD	CS	<input type="checkbox"/>	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	106		1	2.4	3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	2		0		1,123.64	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	2		0		0.80	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	2		0		240.23	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	2		0		2,967.60	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	2		0		42.03	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	2		0		87.97	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	2		0		360.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	2		0		991.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	2		0		221.12	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	2	0.50			8.50	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	2	1.09			2.18	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	2	4.00			234.83	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	2	8.50			352.78	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	2	2.00			389.31	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	2	4.98			190.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	2	3.00			27.79	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Manganese	12/1/2001	11/30/2008	4		0		1,100.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Nickel	12/1/2001	11/30/2008	4		0		48.60	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	3		0		62.90	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	3		0		32.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Iron	12/1/2001	11/30/2008	1		0		40,000.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Zinc	12/1/2001	11/30/2008	4		0		459.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	3		0		676.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	3		0		31.30	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Mirex	12/1/2001	11/30/2008	3		0		1,300.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Mercury	12/1/2001	11/30/2008	4		0		459.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	3		0		80.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	3		0		240.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	3		0		207.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	3		0		61.80	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	3		0		28.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Copper	12/1/2001	11/30/2008	4		0		149.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Chromium	12/1/2001	11/30/2008	4		0		111.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	3		0		17.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Cadmium	12/1/2001	11/30/2008	4		0		4.98	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Arsenic	12/1/2001	11/30/2008	4		0		33.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Lead	12/1/2001	11/30/2008	4		0		128.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Silver	12/1/2001	11/30/2008	4		0		2.20	LD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

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

**USE** Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	77		10	1365.06	394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	77	64.75			126.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	107		0		32.20	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	107		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	107		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	507	719.00			880.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	473	146.74			270.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	473	202.75			350.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	85		2	0.85	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	87		9	27.74	14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	87		7	5.52	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	56		3	0.46	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	82		13	0.69	0.33	AD	NC	<input type="checkbox"/>	NC		

**USE** Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2001	11/30/2008	2	2.50			5.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2008	2	2.00			100.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	2	0.50			4.98	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2001	11/30/2008						ID	NA	<input checked="" type="checkbox"/>	CS	mercury in edible tissue	

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID**

**2302\_03**

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

**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	12/1/2001	11/30/2008	2	2.50			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	87	0.72			10,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	54	0.46			4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2001	11/30/2008	2	4.98			50.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2001	11/30/2008	2	0.50			4.98	ID	NA	<input type="checkbox"/>	NA		



## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	111		3	3.8	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	111		1	2.4	3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	2		0		210.58	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	2		0		991.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	2		0		0.80	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	2		0		232.54	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	2		0		2,872.74	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	2		0		1,088.85	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	2		0		40.53	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	2		0		360.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	2		0		84.24	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	2	4.00			234.83	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	2	5.85			190.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	2	1.09			2.18	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	2	2.00			389.31	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	2	3.00			27.79	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	2	0.50			8.50	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	2	8.50			352.78	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Mercury	12/1/2001	11/30/2008	4		0		459.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Mirex	12/1/2001	11/30/2008	5		0		1,300.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Nickel	12/1/2001	11/30/2008	4		0		48.60	LD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	5		0		676.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Silver	12/1/2001	11/30/2008	4		0		2.20	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Zinc	12/1/2001	11/30/2008	4		0		459.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Iron	12/1/2001	11/30/2008	1		0		40,000.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Manganese	12/1/2001	11/30/2008	4		0		1,100.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	5		0		62.90	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Chromium	12/1/2001	11/30/2008	4		0		111.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	5		0		32.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Lead	12/1/2001	11/30/2008	4		1	173	128.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	5		0		240.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	5		0		207.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	5		0		61.80	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Copper	12/1/2001	11/30/2008	4		0		149.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	5		0		31.30	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	5		0		17.60	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Cadmium	12/1/2001	11/30/2008	4		0		4.98	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Arsenic	12/1/2001	11/30/2008	4		0		33.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	5		0		80.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	5		0		28.00	LD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

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

**USE** **Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	35		8	1195.69	394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	35	129.12			126.00	AD	NS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	112		1	32.33	32.20	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	112		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	112		1	6.38	6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	507	719.00			880.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	473	146.74			270.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	473	202.75			350.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	105		13	6.21	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	108		7	32.58	14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	105		2	0.81	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	52		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	103		2	0.54	0.33	AD	NC	<input type="checkbox"/>	NC		

**USE** **Fish Consumption Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2001	11/30/2008	2	2.50			5.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2008	2	2.00			100.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	2	0.50			4.98	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2001	11/30/2008						ID	NA	<input checked="" type="checkbox"/>	CS	mercury in edible tissue	

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID** **2302\_04** From the McAllen Int'l Bridge (US Hwy 281) upstream to Anzalduas 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	Nitrate	12/1/2001	11/30/2008	105	0.96			10,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2001	11/30/2008	2	0.50			4.98	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	44	0.46			4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2001	11/30/2008	2	5.85			50.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Cadmium	12/1/2001	11/30/2008	2	2.50			5.00	ID	NA	<input type="checkbox"/>	NA		

**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	Total Dissolved Solids	12/1/2001	11/30/2008	507	719.00			880.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	473	146.74			270.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	473	202.75			350.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008						ID	NA	<input checked="" type="checkbox"/>	CS	mercury in edible tissue	

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	41		2	2.5	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	41		1	1.5	3.00	AD	FS	<input type="checkbox"/>	FS		
Toxic Substances in sediment	Mirex	12/1/2001	11/30/2008	3		0		1,300.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	3		0		31.30	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	3		0		62.90	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	3		0		80.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	3		0		32.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	3		0		676.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	3		0		207.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	3		0		61.80	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	3		0		17.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	3		0		28.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	3		0		240.00	ID	NA	<input type="checkbox"/>	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	12/1/2001	11/30/2008	41		0		32.20	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	41		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	41		1	5.9	6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	507	719.00			880.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	473	146.74			270.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	473	202.75			350.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	37		8	5.41	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	39		4	22.5	14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	40		1	1.1	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	16		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	38		0		0.33	AD	NC	<input type="checkbox"/>	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	12/1/2001	11/30/2008						ID	NA	<input checked="" type="checkbox"/>	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	12/1/2001	11/30/2008	13	0.48			4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	37	1.29			10,000.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	136		3	4.6	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	136		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	6		0		209.56	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	6		0		0.80	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	6		0		231.79	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	6		0		2,863.54	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	6		0		1,085.48	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	6		0		83.88	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	22		0		360.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	6		0		991.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	6		0		40.39	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	6	1.26			27.79	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	6	0.65			234.83	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	22	3.04			190.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	6	0.04			8.50	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	6	0.40			389.31	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	6	0.02			2.18	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	6	2.15			352.78	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	5		0		61.80	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	5		0		62.90	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	5		0		32.00	LD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	PCBs	12/1/2001	11/30/2008	5		0		676.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	5		0		31.30	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Mirex	12/1/2001	11/30/2008	5		0		1,300.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	5		0		207.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	5		0		28.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	5		0		17.60	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	5		0		80.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	5		0		240.00	LD	NC	<input type="checkbox"/>	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 Single Sample	E. coli	12/1/2001	11/30/2008	109		22	1749.77	394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	109	81.71			126.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	147		0		32.20	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	147		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	147		1	6.4	6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	473	202.75			350.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	507	719.00			880.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	473	146.74			270.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	118		10	28.34	14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	140		6	1.02	0.69	AD	NC	<input type="checkbox"/>	NC		



## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Nitrate	12/1/2001	11/30/2008	137		9	6.72	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	80		3	0.42	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	140		39	0.9	0.33	AD	CS	<input type="checkbox"/>	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	Cadmium	12/1/2001	11/30/2008	6	0.02			5.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2008	6	0.40			100.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	6	0.04			4.98	LD	NC	<input type="checkbox"/>	NC		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2001	11/30/2008						ID	NA	<input checked="" type="checkbox"/>	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	12/1/2001	11/30/2008	22	3.04			50.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2001	11/30/2008	6	91.62			2,000.00	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Cadmium	12/1/2001	11/30/2008	6	0.02			5.00	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	44	0.51			4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2001	11/30/2008	6	0.04			4.98	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	137	0.58			10,000.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

Segment New  
in 2010? **No**

**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	11/30/2008	11		1	2.9	3.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	11		0		2.00	AD	FS	<input type="checkbox"/>	FS		

**USE Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	11		6	2788.07	394.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5c
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	11	468.56			126.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5c

**USE General Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	13		3	7.85	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	13		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	13		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	13		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	13		11	130.32	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

Segment New  
in 2010? **No**

**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	Total Dissolved Solids	12/1/2001	11/30/2008	43	543.69			1,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	41	105.47			200.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	41	157.02			300.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	14		1	4.1	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	14		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	2		0		2,937.10	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	2		0		1,112.46	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	2		0		360.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	2		0		991.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	2	5.00			377.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	2	5.00			341.26	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	2	2.50			190.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	2		0		240.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	2		0		31.30	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	2		0		62.90	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	2		0		32.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Zinc	12/1/2001	11/30/2008	2		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Silver	12/1/2001	11/30/2008	2		0		2.20	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	2		0		676.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nickel	12/1/2001	11/30/2008	2		0		48.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Mirex	12/1/2001	11/30/2008	2		0		1,300.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Mercury	12/1/2001	11/30/2008	2		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	2		0		17.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	2		0		80.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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
Toxic Substances in sediment	Manganese	12/1/2001	11/30/2008	1		0		1,100.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Cadmium	12/1/2001	11/30/2008	2		0		4.98	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Lead	12/1/2001	11/30/2008	2		0		128.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chromium	12/1/2001	11/30/2008	2		0		111.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Copper	12/1/2001	11/30/2008	2		0		149.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	2		0		28.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	2		0		61.80	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	2		0		207.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Arsenic	12/1/2001	11/30/2008	1		0		33.00	ID	NA	<input type="checkbox"/>	NA		
TOXNET ambient toxicity tests in water - sublethality	Water Toxicity - Sublethal Effects	12/1/2001	11/30/2008						ID	NA	<input checked="" type="checkbox"/>	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 Single Sample	E. coli	12/1/2001	11/30/2008	12		2	590	394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	12	72.03			126.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	15		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	15		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	15		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	43	543.69			1,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	41	105.47			200.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	41	157.02			300.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	15		10	1.86	0.37	AD	CS	<input type="checkbox"/>	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	4		3	0.25	0.05	LD	CS	<input type="checkbox"/>	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	13		8	0.19	0.11	AD	CS	<input type="checkbox"/>	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	14		11	0.59	0.20	AD	CS	<input type="checkbox"/>	CS	total phosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	15		0		26.70	AD	NC	<input type="checkbox"/>	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	12/1/2001	11/30/2008	2	5.00			100.00	ID	NA	<input type="checkbox"/>	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	12/1/2001	11/30/2008	15	1.29			10,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2001	11/30/2008	2	2.50			50.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	6	0.56			4.00	LD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	20		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	20		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Toxic Substances in sediment	Mirex	12/1/2001	11/30/2008	1		0		1,300.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	1		0		31.30	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	1		0		62.90	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	1		0		32.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	1		0		676.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	1		0		240.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	1		0		207.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	1		0		61.80	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	1		0		28.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	1		0		80.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	1		0		17.60	ID	NA	<input type="checkbox"/>	NA		

**USE** Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	20		0		394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	20	7.27			126.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	22		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	20		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	20		0		6.50	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Total Dissolved Solids	12/1/2001	11/30/2008	43	543.69			1,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	41	105.47			200.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	41	157.02			300.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	21		3	6.33	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	10		0		0.05	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	19		4	0.28	0.11	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	21		1	0.64	0.20	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	22		1	33	26.70	AD	NC	<input type="checkbox"/>	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	12/1/2001	11/30/2008	6	0.54			4.00	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	21	0.96			10,000.00	AD	FS	<input type="checkbox"/>	FS		



## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID**

**2303\_04**

Remainder of segment

**USE**

**Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Pyrene	12/1/2001	11/30/2008	1		0		1,520.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Manganese	12/1/2001	11/30/2008	1		0		1,100.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Mercury	12/1/2001	11/30/2008	1		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	1		0		62.90	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Naphthalene	12/1/2001	11/30/2008	1		0		561.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachloroethane	12/1/2001	11/30/2008	1		0		13,770.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nickel	12/1/2001	11/30/2008	1		0		48.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	1		0		676.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Phenanthrene	12/1/2001	11/30/2008	1		0		1,170.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Lead	12/1/2001	11/30/2008	1		0		128.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Silver	12/1/2001	11/30/2008	1		0		2.20	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Zinc	12/1/2001	11/30/2008	1		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	1,3-Dichlorobenzene	12/1/2001	11/30/2008	1		0		350.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2001	11/30/2008	1		0		1,050.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	1		0		32.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nitrobenzene	12/1/2001	11/30/2008	1		0		161.06	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	1		0		31.30	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	gamma-BHC (Lindane)	12/1/2001	11/30/2008	1		0		4.99	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachlorobutadiene (HCBD)	12/1/2001	11/30/2008	1		0		550.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	alpha-BHC	12/1/2001	11/30/2008	1		0		100.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Arsenic	12/1/2001	11/30/2008	1		0		33.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID**

**2303\_04**

Remainder of segment

**USE**

**Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	1		0		240.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Acenaphthene	12/1/2001	11/30/2008	1		0		89.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Acenaphthylene	12/1/2001	11/30/2008	1		0		130.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	1		0		80.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Di-n-butyl phthalate	12/1/2001	11/30/2008	1		0		43.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	1,4-Dichlorobenzene	12/1/2001	11/30/2008	1		0		4,650.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2001	11/30/2008	1		0		1,450.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Cadmium	12/1/2001	11/30/2008	1		0		4.98	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	1		0		17.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Fluoranthene	12/1/2001	11/30/2008	1		0		2,230.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Heptachlor epoxide	12/1/2001	11/30/2008	1		0		16.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Anthracene	12/1/2001	11/30/2008	1		0		845.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Fluorene	12/1/2001	11/30/2008	1		0		536.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chromium	12/1/2001	11/30/2008	1		0		111.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	1		0		207.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	1		0		61.80	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2001	11/30/2008	1		0		140.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	1		0		28.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Copper	12/1/2001	11/30/2008	1		0		149.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chrysene	12/1/2001	11/30/2008	1		0		1,290.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

<b>AUID</b>	<b>2303_04</b>	Remainder of segment
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<b>USE</b>	General Use
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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
Dissolved Solids	Chloride	12/1/2001	11/30/2008	41	105.47			200.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	41	157.02			300.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	43	543.69			1,000.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

Segment New  
in 2010? No

**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	12/1/2001	11/30/2008	101		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	101		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Mercury	12/1/2001	11/30/2008	1		0		2.40	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	21		0		244.96	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	22		0		0.80	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	23		0		257.17	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	21		0		3,176.50	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	21		0		1,200.13	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	21		0		96.32	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	43		0		360.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	22		0		991.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	21		0		45.33	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Mercury	12/1/2001	11/30/2008	1	0.10			1.30	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	21	1.95			341.26	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	21	0.07			8.09	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	21	1.29			26.88	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	21	0.37			377.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	21	0.03			2.12	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	43	2.38			190.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	23	2.66			227.16	AD	FS	<input type="checkbox"/>	FS		
Toxic Substances in sediment	Cadmium	12/1/2001	11/30/2008	2		0		4.98	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Manganese	12/1/2001	11/30/2008	2		0		1,100.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	1		0		32.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Zinc	12/1/2001	11/30/2008	2		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Silver	12/1/2001	11/30/2008	2		0		2.20	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	1		0		62.90	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	1		0		676.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nickel	12/1/2001	11/30/2008	2		0		48.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Mirex	12/1/2001	11/30/2008	1		0		1,300.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Mercury	12/1/2001	11/30/2008	2		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Lead	12/1/2001	11/30/2008	2		0		128.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	1		0		240.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	1		0		207.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	1		0		61.80	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	1		0		28.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Copper	12/1/2001	11/30/2008	2		0		149.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	1		0		17.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Arsenic	12/1/2001	11/30/2008	1		0		33.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	1		0		80.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	1		0		31.30	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Chromium	12/1/2001	11/30/2008	2		0		111.00	ID	NA	<input type="checkbox"/>	NA		

**USE** **Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	166		68	1085.51	394.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5c
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	166	169.81			126.00	AD	NS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	105		0		35.00	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	105		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	105		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	435	566.65			1,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	407	99.08			200.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	404	155.42			300.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	73		4	0.43	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	58		1	28.2	14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	94		9	0.44	0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	101		7	9.08	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	100		3	1.29	0.69	AD	NC	<input type="checkbox"/>	NC		

**USE** **Fish Consumption Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2001	11/30/2008	21	0.03			5.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2008	21	0.37			100.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID** **2304\_01** From the Arroyo Salado confluence upstream to the San Idelfonso 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	12/1/2001	11/30/2008	21	0.07			4.98	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Mercury	12/1/2001	11/30/2008	1	0.01			0.01	ID	NA	<input type="checkbox"/>	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	Lead	12/1/2001	11/30/2008	21	0.07			4.98	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2001	11/30/2008	43	2.38			50.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	101	1.29			10,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Mercury	12/1/2001	11/30/2008	1	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Cadmium	12/1/2001	11/30/2008	21	0.03			5.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2001	11/30/2008	23	80.56			2,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	16	0.53			4.00	AD	FS	<input type="checkbox"/>	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 Single Sample	E. coli	12/1/2001	11/30/2008	58		27	1275.11	394.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5c
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	58	386.32			126.00	AD	NS	<input type="checkbox"/>	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
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	404	155.42			300.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	435	566.65			1,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	407	99.08			200.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	20		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	20		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Toxic Substances in sediment	Mirex	12/1/2001	11/30/2008	2		0		1,300.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	2		0		80.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	2		0		62.90	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	2		0		31.30	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	2		0		32.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	2		0		676.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	2		0		207.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	2		0		61.80	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	2		0		17.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	2		0		240.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	2		0		28.00	ID	NA	<input type="checkbox"/>	NA		
TOXNET ambient toxicity tests in water - sublethality	Water Toxicity - Sublethal Effects	12/1/2001	11/30/2008						ID	NA	<input checked="" type="checkbox"/>	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 Single Sample	E. coli	12/1/2001	11/30/2008	133		73	1092.91	394.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5c
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	133	389.44			126.00	AD	NS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	20		0		35.00	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	20		0		9.00	AD	FS	<input type="checkbox"/>	FS		



## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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
Low pH	pH	12/1/2001	11/30/2008	20		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	404	155.42			300.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	435	566.65			1,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	407	99.08			200.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	19		0		14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	18		1	1.96	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	17		3	0.42	0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	19		5	5.1	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	9		0		0.37	LD	NC	<input type="checkbox"/>	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	12/1/2001	11/30/2008	6	0.56			4.00	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	19	1.57			10,000.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	22		0	0	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	22		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	3		0		260.66	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	3		0		0.80	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	4		0		268.02	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Mercury	12/1/2001	11/30/2008	1		0		2.40	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	4		0		3,310.36	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	2		0		47.47	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	5		0		1,249.06	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	1		0		83.88	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	5		0		360.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	6		0		991.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Selenium	12/1/2001	11/30/2008	2		0		20.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Mercury	12/1/2001	11/30/2008	1	0.10			1.30	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	4	8.38			227.16	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	4	4.01			341.26	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	3	7.00			8.09	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	2	10.25			26.88	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	5	3.74			377.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	1	0.15			2.12	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	5	2.64			190.00	LD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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
Chronic Toxic Substances in water	Selenium	12/1/2001	11/30/2008	2	3.00			5.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	3		0		32.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Lead	12/1/2001	11/30/2008	2		0		128.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	3		0		62.90	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Zinc	12/1/2001	11/30/2008	2		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Silver	12/1/2001	11/30/2008	2		0		2.20	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	3		0		676.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nickel	12/1/2001	11/30/2008	2		0		48.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Mirex	12/1/2001	11/30/2008	3		0		1,300.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Mercury	12/1/2001	11/30/2008	2		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Manganese	12/1/2001	11/30/2008	2		0		1,100.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	3		0		80.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	3		0		207.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	3		0		61.80	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	3		0		28.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Copper	12/1/2001	11/30/2008	2		0		149.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chromium	12/1/2001	11/30/2008	2		0		111.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	3		0		17.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Cadmium	12/1/2001	11/30/2008	2		0		4.98	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	3		0		31.30	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Arsenic	12/1/2001	11/30/2008	2		0		33.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	3		0		240.00	ID	NA	<input type="checkbox"/>	NA		
TOXNET ambient toxicity tests in water - sublethality	Water Toxicity - Sublethal Effects	12/1/2001	11/30/2008						ID	NA	<input checked="" type="checkbox"/>	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 Single Sample	E. coli	12/1/2001	11/30/2008	181		3	997.8	394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	181	24.80			126.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	21		0		35.00	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	22		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	22		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	435	566.65			1,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	407	99.08			200.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	404	155.42			300.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	7		0		0.37	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	21		0		14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	20		3	6.4	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	20		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	19		0	0	0.33	AD	NC	<input type="checkbox"/>	NC		

**USE** **Fish Consumption Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2001	11/30/2008	1	0.15			5.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID** 2304\_04 From the City of Laredo water treatment plant intake upstream to the World Trade Center 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	Chromium	12/1/2001	11/30/2008	5	3.74			100.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	3	7.00			4.98	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Mercury	12/1/2001	11/30/2008	1	0.01			0.01	ID	NA	<input type="checkbox"/>	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	12/1/2001	11/30/2008	23	0.55			4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2001	11/30/2008	2	1.75			50.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	63	1.97			10,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2001	11/30/2008	3	7.00			4.98	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Cadmium	12/1/2001	11/30/2008	1	0.15			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Barium	12/1/2001	11/30/2008	4	83.05			2,000.00	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Arsenic	12/1/2001	11/30/2008	5	2.64			50.00	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Mercury	12/1/2001	11/30/2008	1	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	19		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	19		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	1		0		72.05	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	4		0		267.19	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Selenium	12/1/2001	11/30/2008	2		0		20.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	3		0		0.80	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	3		0		3,300.10	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	4		0		1,245.31	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	4		0		360.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	4		0		991.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	2		0		47.30	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	3		0		259.44	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	3	3.74			341.26	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Selenium	12/1/2001	11/30/2008	2	3.00			5.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	3	0.50			8.09	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	2	10.25			26.88	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	4	3.44			377.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	1	0.15			2.12	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	4	2.70			190.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	4	8.88			227.16	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	1		0		62.90	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Manganese	12/1/2001	11/30/2008	1		0		1,100.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	1		0		31.30	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	1		0		32.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Zinc	12/1/2001	11/30/2008	1		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Silver	12/1/2001	11/30/2008	1		0		2.20	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	1		0		676.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nickel	12/1/2001	11/30/2008	1		0		48.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Mirex	12/1/2001	11/30/2008	1		0		1,300.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Mercury	12/1/2001	11/30/2008	1		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Arsenic	12/1/2001	11/30/2008	1		0		33.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Lead	12/1/2001	11/30/2008	1		0		128.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	1		0		80.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Cadmium	12/1/2001	11/30/2008	1		0		4.98	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	1		0		17.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chromium	12/1/2001	11/30/2008	1		0		111.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Copper	12/1/2001	11/30/2008	1		0		149.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	1		0		28.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	1		0		61.80	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	1		0		207.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	1		0		240.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

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

**USE** **Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	17		0		394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	17	13.03			126.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	19		0		35.00	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	19		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	19		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	435	566.65			1,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	407	99.08			200.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	404	155.42			300.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	6		0		0.37	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	17		0		14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	17		3	5.27	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	17		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	15		1	0.4	0.33	AD	NC	<input type="checkbox"/>	NC		

**USE** **Fish Consumption Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2001	11/30/2008	1	0.15			5.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2008	4	3.44			100.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	3	0.50			4.98	ID	NA	<input type="checkbox"/>	NA		



## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	3	0.50			4.98	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	17	1.22			10,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	5	0.58			4.00	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Cadmium	12/1/2001	11/30/2008	1	0.15			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Barium	12/1/2001	11/30/2008	4	83.80			2,000.00	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Arsenic	12/1/2001	11/30/2008	4	2.70			50.00	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Selenium	12/1/2001	11/30/2008	2	1.75			50.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	54		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	54		0		3.00	AD	FS	<input type="checkbox"/>	FS		

**USE** Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	111		3	1258.33	394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	111	11.94			126.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	55		1	38.87	35.00	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	55		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	55		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	407	99.08			200.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	404	155.42			300.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	435	566.65			1,000.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	50		3	11.47	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	37		2	0.75	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	51		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	54		4	24.69	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	51		0		14.10	AD	NC	<input type="checkbox"/>	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	12/1/2001	11/30/2008	27	0.50			4.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Nitrate	12/1/2001	11/30/2008	50	1.10			10,000.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	74		3	4.3	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	54		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	1		0		260.39	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	1		0		0.80	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Selenium	12/1/2001	11/30/2008	2		0		20.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	1		0		3,216.27	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	1		0		249.59	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	1		0		991.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	1		0		1,214.68	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	1		0		97.93	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	1		0		360.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	1		0		45.97	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	1	2.80			190.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Selenium	12/1/2001	11/30/2008	2	0.55			5.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	1	8.50			341.26	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	1	0.50			8.09	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	1	3.00			26.88	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	1	2.00			377.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	1	1.06			2.12	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	1	4.00			227.16	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Mercury	12/1/2001	11/30/2008	3		0		459.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Copper	12/1/2001	11/30/2008	4		1	13200	149.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	4		0		31.30	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	4				62.90	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	4		0		32.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Iron	12/1/2001	11/30/2008	3		0		40,000.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Zinc	12/1/2001	11/30/2008	4		0		459.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Silver	12/1/2001	11/30/2008	4		0		2.20	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	4				676.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Nickel	12/1/2001	11/30/2008	4		0		48.60	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Mirex	12/1/2001	11/30/2008	4		0		1,300.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Lead	12/1/2001	11/30/2008	4		0		128.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	4		0		240.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	4				207.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	4		0		80.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	4		0		28.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	4		0		61.80	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Chromium	12/1/2001	11/30/2008	4		0		111.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	4		0		17.60	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Cadmium	12/1/2001	11/30/2008	4		0		4.98	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Arsenic	12/1/2001	11/30/2008	4		0		33.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Manganese	12/1/2001	11/30/2008	4		0		1,100.00	LD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

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

**USE** **Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	100		77	1702.4	394.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5c
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	100	322.80			126.00	AD	NS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	74		0		35.00	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	74		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	74		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	407	99.08			200.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	404	155.42			300.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	435	566.65			1,000.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	69		8	10.4	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	47		1	2.9	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	98		6	0.4	0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	71		2	2.2	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	70		2	19.5	14.10	AD	NC	<input type="checkbox"/>	NC		

**USE** **Fish Consumption Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2001	11/30/2008	1	2.50			5.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2008	1	2.00			100.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	1	0.50			4.98	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

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

**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	12/1/2001	11/30/2008	24	0.52			10,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2001	11/30/2008	1	0.50			4.98	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Selenium	12/1/2001	11/30/2008	2	0.55			50.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Arsenic	12/1/2001	11/30/2008	1	2.80			50.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Cadmium	12/1/2001	11/30/2008	1	2.50			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	24	0.52			4.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	18		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	18		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	1		0		43.31	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	1		0		0.80	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	1		0		141.07	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	1		0		1,744.14	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	1		0		99.38	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	1		0		671.69	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	1		0		360.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	1		0		991.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	1		0		23.25	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	1	0.50			8.09	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	1	3.00			26.88	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	1	4.00			227.16	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	1	2.00			377.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	1	1.06			2.12	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	1	2.75			190.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	1	8.50			341.26	ID	NA	<input type="checkbox"/>	NA		

**USE**

**Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	16		4	1314	394.00	AD	FS	<input type="checkbox"/>	FS		



## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID** **2304\_08** From downstream of US Hwy 277 (Eagle Pass) upstream to the Las Moras 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	12/1/2001	11/30/2008	16	56.07			126.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	19		0		35.00	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	18		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	18		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	404	155.42			300.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	435	566.65			1,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	407	99.08			200.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	19		1	25	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	15		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	19		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	19		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	18		3	22.23	14.10	AD	NC	<input type="checkbox"/>	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	12/1/2001	11/30/2008	1	2.00			100.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	1	0.50			4.98	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2001	11/30/2008	1	2.50			5.00	ID	NA	<input type="checkbox"/>	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	12/1/2001	11/30/2008	1	2.75			50.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID**

**2304\_08**

From downstream of US Hwy 277 (Eagle Pass) upstream to the Las Moras 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	12/1/2001	11/30/2008	1	2.50			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	9	0.49			4.00	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Lead	12/1/2001	11/30/2008	1	0.50			4.98	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	19	1.67			10,000.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	80		2	3.45	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	80		1	2.1	3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	6		0		98.82	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	6		0		262.16	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Selenium	12/1/2001	11/30/2008	5		0		20.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	6		0		3,238.12	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	5		0		252.14	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	6		0		1,222.66	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	6		0		0.80	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	6		0		360.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	6		0		991.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	6		0		46.31	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	5	0.50			8.09	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Selenium	12/1/2001	11/30/2008	5	0.46			5.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	6	4.00			227.16	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	6	8.50			341.26	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	6	3.00			26.88	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	6	2.00			377.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	6	3.28			190.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	6	0.39			2.12	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Mercury	12/1/2001	11/30/2008	4		0		459.00	LD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	DDT	12/1/2001	11/30/2008	1		0		62.90	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Arsenic	12/1/2001	11/30/2008	5		0		33.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	1		0		32.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	1		0		31.30	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Iron	12/1/2001	11/30/2008	3		0		40,000.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Zinc	12/1/2001	11/30/2008	5		0		459.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Silver	12/1/2001	11/30/2008	5		0		2.20	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	1		0		676.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nickel	12/1/2001	11/30/2008	5		0		48.60	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Mirex	12/1/2001	11/30/2008	1		0		1,300.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Lead	12/1/2001	11/30/2008	5		0		128.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	1		0		240.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	1		0		207.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	1		0		61.80	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	1		0		28.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Copper	12/1/2001	11/30/2008	5		0		149.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Chromium	12/1/2001	11/30/2008	5		0		111.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Cadmium	12/1/2001	11/30/2008	5		0		4.98	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	1		0		80.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	1		0		17.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Manganese	12/1/2001	11/30/2008	5		0		1,100.00	LD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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 Single Sample	E. coli	12/1/2001	11/30/2008	65		26	1397.52	394.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5c
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	65	244.30			126.00	AD	NS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	82		0		35.00	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	80		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	80		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	435	566.65			1,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	407	99.08			200.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	404	155.42			300.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	76		5	13.38	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	50		2	0.76	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	77		3	0.46	0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	77		4	1.08	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	78		0		14.10	AD	NC	<input type="checkbox"/>	NC		

**USE** Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2001	11/30/2008	6	0.87			5.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	5	0.50			4.98	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2008	6	2.00			100.00	LD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Arsenic	12/1/2001	11/30/2008	6	3.28			50.00	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Cadmium	12/1/2001	11/30/2008	6	0.87			5.00	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	45	0.57			4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2001	11/30/2008	5	0.50			4.98	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	76	1.27			10,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2001	11/30/2008	5	0.46			50.00	LD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	67		5	2.86	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	67		3	1.87	3.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2001	11/30/2008	1		0		5.00	ID	NA	<input type="checkbox"/>	NA		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2001	11/30/2008	1		0		3.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Toxaphene	12/1/2001	11/30/2008	1		0		0.78	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Phenanthrene	12/1/2001	11/30/2008	1		0		30.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Parathion	12/1/2001	11/30/2008	1		0		0.07	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Selenium	12/1/2001	11/30/2008	1		0		20.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	2		0		116.38	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	gamma-BHC (Lindane)	12/1/2001	11/30/2008	1		0		2.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	DDT	12/1/2001	11/30/2008	1		0		1.10	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Dicofol (Kelthane)	12/1/2001	11/30/2008	1		0		59.30	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Diuron (Karmex)	12/1/2001	11/30/2008	1		0		210.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Endosulfan sulfate	12/1/2001	11/30/2008	1		0		0.22	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	1		0		136.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	2		0		1,439.32	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	1		0		22.19	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	2		0		33.52	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	2		0		74.44	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	2		0		0.80	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	13		0		360.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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
Acute Toxic Substances in water	Aldrin	12/1/2001	11/30/2008	1		0		3.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Carbaryl (Sevin)	12/1/2001	11/30/2008	1		0		2.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chlordane	12/1/2001	11/30/2008	1		0		2.40	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2001	11/30/2008	1		0		0.08	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	2		0		557.71	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	2		0		18.77	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Dieldrin	12/1/2001	11/30/2008	1		0		2.50	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Endrin	12/1/2001	11/30/2008	1		0		0.18	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Heptachlor	12/1/2001	11/30/2008	1		0		0.52	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	2		0		991.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	gamma-BHC (Lindane)	12/1/2001	11/30/2008	1	0.02			0.08	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	2	1.85			341.26	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Parathion	12/1/2001	11/30/2008	1	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Phenanthrene	12/1/2001	11/30/2008	1	0.50			30.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Selenium	12/1/2001	11/30/2008	1	0.28			5.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	2	2.83			227.16	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Toxaphene	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	DDT	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Diuron (Karmex)	12/1/2001	11/30/2008	1	0.11			70.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Mirex	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	1	0.50			64.00	ID	NA	<input type="checkbox"/>	NA		



## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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
Chronic Toxic Substances in water	Dicofol (Kelthane)	12/1/2001	11/30/2008	1	0.01			19.80	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	1	1.00			12.79	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	2	0.51			377.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Malathion	12/1/2001	11/30/2008	1	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Endosulfan sulfate	12/1/2001	11/30/2008	1	0.00			0.06	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	13	1.97			190.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	2	0.05			2.12	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2001	11/30/2008	1	0.02			0.04	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	2	0.99			26.88	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Demeton	12/1/2001	11/30/2008	1	0.03			0.10	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Dieldrin	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Endrin	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Guthion	12/1/2001	11/30/2008	1	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Heptachlor	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	2	0.40			8.09	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chlordane	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	1		0		32.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	1		0		240.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	1		0		62.90	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	1		0		676.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Mirex	12/1/2001	11/30/2008	1		0		1,300.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Dieldrin	12/1/2001	11/30/2008	1		0		61.80	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	1		0		28.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	1		0		17.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	1		0		80.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	1		0		207.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	1		0		31.30	ID	NA	<input type="checkbox"/>	NA		

**USE** **Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	46		1	1400	394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	46	30.48			126.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	67		0		35.00	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	66		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	66		2	6.28	6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	404	155.42			300.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	435	566.65			1,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	407	99.08			200.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	52		0		14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	64		1	1.25	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	62		1	0.6	0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	64		1	25	1.95	AD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Orthophosphorus	12/1/2001	11/30/2008	58		0		0.37	AD	NC	<input type="checkbox"/>	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	Dieldrin	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Benzo(a)anthracene	12/1/2001	11/30/2008	1	0.05			0.10	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Benzo(a)pyrene	12/1/2001	11/30/2008	1	0.05			0.10	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2001	11/30/2008	2	0.05			5.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2001	11/30/2008	1	0.00			0.02	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2008	2	0.51			100.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chrysene	12/1/2001	11/30/2008	1	0.21			0.42	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Endrin	12/1/2001	11/30/2008	1	0.01			1.27	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2001	11/30/2008	1	0.05			2.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	DDD	12/1/2001	11/30/2008	1	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Silvex	12/1/2001	11/30/2008	1	0.01			47.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2001	11/30/2008	1	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	DDE	12/1/2001	11/30/2008	1	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2001	11/30/2008	1	0.05			200.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2001	11/30/2008	1	0.50			5.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Nitrobenzene	12/1/2001	11/30/2008	1	1.00			37.30	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2001	11/30/2008	1	0.05			1.63	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID** **2304\_10** From the San Felipe Creek confluence upstream to the Amistad 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	12/1/2001	11/30/2008	1	0.20			5.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2001	11/30/2008	1	0.05			776.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2001	11/30/2008	1	0.05			3.76	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Benzene	12/1/2001	11/30/2008	1	0.05			5.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	1	0.01			0.02	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2001	11/30/2008	1	0.15			100.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	1	0.50			953.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2001	11/30/2008	1	0.00			0.16	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Hexachlorobutadiene (HCBBD)	12/1/2001	11/30/2008	1	0.50			2.99	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2001	11/30/2008	1	0.50			84.20	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	DDT	12/1/2001	11/30/2008	1	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	1	0.50			1.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Dicofol (Kelthane)	12/1/2001	11/30/2008	1	0.01			0.22	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	2	0.40			4.98	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2001	11/30/2008	1	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	gamma-BHC (Lindane)	12/1/2001	11/30/2008	1	0.02			0.20	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2001	11/30/2008	1	0.50			5.00	ID	NA	<input type="checkbox"/>	NA		

**USE** **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	1,2-Dibromoethane	12/1/2001	11/30/2008	1	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID**

**2304\_10**

From the San Felipe Creek confluence upstream to the Amistad 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	Carbon tetrachloride	12/1/2001	11/30/2008	1	0.05			3.76	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2001	11/30/2008	1	0.50			75.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	gamma-BHC (Lindane)	12/1/2001	11/30/2008	1	0.02			0.20	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	DDT	12/1/2001	11/30/2008	1	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Dicofol (Kelthane)	12/1/2001	11/30/2008	1	0.01			0.22	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	1	0.50			1.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	1	0.50			953.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Benzene	12/1/2001	11/30/2008	1	0.05			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Toxaphene	12/1/2001	11/30/2008	1	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Chlorobenzene	12/1/2001	11/30/2008	1	0.05			776.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	1,1-Dichloroethylene	12/1/2001	11/30/2008	1	0.05			1.63	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Tetrachloroethene	12/1/2001	11/30/2008	1	0.50			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	1,1,1-Trichloroethane	12/1/2001	11/30/2008	1	0.05			200.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Vinyl chloride	12/1/2001	11/30/2008	1	0.05			2.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Chloroform	12/1/2001	11/30/2008	1	0.15			100.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Silvex	12/1/2001	11/30/2008	1	0.01			47.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Trichloroethene	12/1/2001	11/30/2008	1	0.50			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	1,2-Dichloroethane	12/1/2001	11/30/2008	1	0.20			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	DDE	12/1/2001	11/30/2008	1	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Benzo(a)anthracene	12/1/2001	11/30/2008	1	0.05			0.10	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Nitrobenzene	12/1/2001	11/30/2008	1	1.00			37.30	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID**

**2304\_10**

From the San Felipe Creek confluence upstream to the Amistad 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	Selenium	12/1/2001	11/30/2008	1	0.28			50.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Arsenic	12/1/2001	11/30/2008	13	1.97			50.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Benzo(a)pyrene	12/1/2001	11/30/2008	1	0.05			0.10	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Cadmium	12/1/2001	11/30/2008	2	0.05			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Chlordane	12/1/2001	11/30/2008	1	0.00			0.02	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Chrysene	12/1/2001	11/30/2008	1	0.21			0.42	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	DDD	12/1/2001	11/30/2008	1	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	2,4-D	12/1/2001	11/30/2008	1	0.04			70.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2001	11/30/2008	2	0.40			4.98	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Aldrin	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Dieldrin	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2001	11/30/2008	1	0.50			84.20	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Hexachlorobutadiene (HCBD)	12/1/2001	11/30/2008	1	0.50			2.99	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	1	0.01			0.02	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Heptachlor epoxide	12/1/2001	11/30/2008	1	0.00			0.16	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Heptachlor	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	64	0.67			10,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	44	0.62			4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Endrin	12/1/2001	11/30/2008	1	0.01			1.27	ID	NA	<input type="checkbox"/>	NA		
Surface Water Toxic Substances average concern	MTBE	12/1/2001	11/30/2008	1	0.15			240.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water Toxic Substances average concern	Alachlor	12/1/2001	11/30/2008	1	0.01			2.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID** 2304\_10 From the San Felipe Creek confluence upstream to the Amistad 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 Toxic Substances average concern	Atrazine	12/1/2001	11/30/2008	1	0.06			3.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

Segment New  
in 2010? **Yes**

**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
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	4		0		3,670.18	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	4		0		1,558.40	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	4		0		19,196.20	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Mercury	12/1/2001	11/30/2008	1		0		2.40	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	3		0		0.80	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	4		0		336.15	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	4		0		6,847.96	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	4		0		1,060.24	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	4		0		991.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	4		0		360.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Mercury	12/1/2001	11/30/2008	1	0.00			1.30	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	4	5.36			190.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	4	5.98			341.26	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	4	26.88			227.16	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	4	2.64			26.88	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	4	0.24			2.12	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	4	1.14			377.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	4	0.45			8.09	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Mercury	12/1/2001	11/30/2008	1		0		459.00	ID	NA	<input type="checkbox"/>	NA		



## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	DDE	12/1/2001	11/30/2008	2		0		31.30	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	2		0		62.90	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	2		0		32.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Zinc	12/1/2001	11/30/2008	3		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Silver	12/1/2001	11/30/2008	3		0		2.20	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	2		0		676.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Mirex	12/1/2001	11/30/2008	2		0		1,300.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Lead	12/1/2001	11/30/2008	3		0		128.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	2		0		80.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	2		0		207.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	2		0		61.80	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	2		0		28.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Copper	12/1/2001	11/30/2008	3		0		149.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chromium	12/1/2001	11/30/2008	3		0		111.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	2		0		17.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Cadmium	12/1/2001	11/30/2008	3		0		4.98	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Arsenic	12/1/2001	11/30/2008	3		0		33.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	2		0		240.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nickel	12/1/2001	11/30/2008	3		0		48.60	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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** **Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	6		6	2101.85	394.00	LD	CN	<input type="checkbox"/>	CN	bacteria	
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	6	2015.79			126.00	LD	CN	<input type="checkbox"/>	CN	bacteria	

**USE** **General Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	9		1	8.01	1.95	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	2		0		0.37	ID	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	9		0		0.33	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	8		1	1.63	0.69	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	9		5	28.18	14.10	LD	CS	<input type="checkbox"/>	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	Lead	12/1/2001	11/30/2008	4	0.45			25.30	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Mercury	12/1/2001	11/30/2008	1	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2008	4	1.14			3,320.00	LD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

Segment New  
in 2010? No

**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	12/1/2001	11/30/2008	29		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	29		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	2		0		360.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	2	2.30			190.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Zinc	12/1/2001	11/30/2008	4		0		459.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Iron	12/1/2001	11/30/2008	2		0		40,000.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Silver	12/1/2001	11/30/2008	4		0		2.20	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Nickel	12/1/2001	11/30/2008	4		0		48.60	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Mercury	12/1/2001	11/30/2008	3		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Lead	12/1/2001	11/30/2008	4		0		128.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Copper	12/1/2001	11/30/2008	4		0		149.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Chromium	12/1/2001	11/30/2008	4		0		111.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Cadmium	12/1/2001	11/30/2008	4		0		4.98	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Arsenic	12/1/2001	11/30/2008	4		0		33.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Manganese	12/1/2001	11/30/2008	4		0		1,100.00	LD	NC	<input type="checkbox"/>	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 Single Sample	E. coli	12/1/2001	11/30/2008	18		0		394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	18	1.47			126.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

<b>AUID</b>	<b>2305_01</b>	Rio Grande Arm
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<b>USE</b>	<b>General Use</b>
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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
Water Temperature	Temperature	12/1/2001	11/30/2008	29		0		31.10	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	29		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	29		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	68	94.71			150.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	68	142.21			270.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	85	536.55			800.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	21		0		26.70	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	25		9	0.64	0.37	AD	CS	<input type="checkbox"/>	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	25		0		0.05	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	24		0		0.11	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	23		0		0.20	AD	NC	<input type="checkbox"/>	NC		

<b>USE</b>	<b>Public Water Supply Use</b>
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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
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	25	0.35			10,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	23	0.70			4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2001	11/30/2008	2	2.30			50.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

<b>AUID</b>	<b>2305_02</b>	Devils River arm
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<b>USE</b>	<b>Aquatic Life Use</b>
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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
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2001	11/30/2008	27		1	4.73	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	27		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Toxic Substances in sediment	Zinc	12/1/2001	11/30/2008	4		0		459.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Iron	12/1/2001	11/30/2008	2		0		40,000.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Silver	12/1/2001	11/30/2008	4		0		2.20	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Nickel	12/1/2001	11/30/2008	4		0		48.60	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Mercury	12/1/2001	11/30/2008	3		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Lead	12/1/2001	11/30/2008	4		0		128.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Copper	12/1/2001	11/30/2008	4		0		149.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Chromium	12/1/2001	11/30/2008	4		0		111.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Cadmium	12/1/2001	11/30/2008	4		0		4.98	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Arsenic	12/1/2001	11/30/2008	4		0		33.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Manganese	12/1/2001	11/30/2008	4		0		1,100.00	LD	NC	<input type="checkbox"/>	NC		

<b>USE</b>	<b>Recreation Use</b>
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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
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	20		0		394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	20	2.36			126.00	AD	FS	<input type="checkbox"/>	FS		

<b>USE</b>	<b>General Use</b>
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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
Water Temperature	Temperature	12/1/2001	11/30/2008	27		0		31.10	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	27		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	27		0		6.50	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

<b>AUID</b>	<b>2305_02</b>	Devils River arm
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<b>USE</b>	General Use
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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
Dissolved Solids	Chloride	12/1/2001	11/30/2008	68	94.71			150.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	68	142.21			270.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	85	536.55			800.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	23		18	0.72	0.37	AD	CS	<input type="checkbox"/>	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	23		1	0.08	0.05	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	22		0		0.11	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	23		0		0.20	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	21		0		26.70	AD	NC	<input type="checkbox"/>	NC		

<b>USE</b>	Public Water Supply Use
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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
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	23	0.36			4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	23	0.62			10,000.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	28		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	28		0		3.00	AD	FS	<input type="checkbox"/>	FS		

**USE** Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	20		0		394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	20	1.20			126.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	28		0		31.10	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	28		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	28		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	85	536.55			800.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	68	94.71			150.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	68	142.21			270.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	24		1	0.4	0.05	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	22		0		26.70	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	24		1	0.2	0.11	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	24		2	0.46	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	25		1	0.4	0.20	AD	NC	<input type="checkbox"/>	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	12/1/2001	11/30/2008	23	0.62			4.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID** 2305\_03 Area around International Boundary Buoy I (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	Nitrate	12/1/2001	11/30/2008	24	0.19			10,000.00	AD	FS	<input type="checkbox"/>	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	Total Dissolved Solids	12/1/2001	11/30/2008	85	536.55			800.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	68	94.71			150.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	68	142.21			270.00	AD	FS	<input type="checkbox"/>	FS		



## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

Segment New  
in 2010? **No**

**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	12/1/2001	11/30/2008	54		1	4.8	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	54		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	32		0		51.88	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	31		0		3,585.30	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	31		0		290.32	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	33		0		306.43	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	33		0		117.46	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	43		0		360.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	32		0		991.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	33		0		0.80	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	32		0		1,349.36	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	31	2.29			341.26	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	31	2.16			227.16	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	33	0.09			8.09	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	32	1.98			26.88	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	32	0.29			377.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	33	0.03			2.12	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	43	2.64			190.00	AD	FS	<input type="checkbox"/>	FS		
Toxic Substances in sediment	Di-n-butyl phthalate	12/1/2001	11/30/2008	1		0		43.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Silver	12/1/2001	11/30/2008	4		0		2.20	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Mercury	12/1/2001	11/30/2008	3		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Naphthalene	12/1/2001	11/30/2008	1		0		561.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nickel	12/1/2001	11/30/2008	4		0		48.60	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Lead	12/1/2001	11/30/2008	4		0		128.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	1		0		676.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Phenanthrene	12/1/2001	11/30/2008	1		0		1,170.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Pyrene	12/1/2001	11/30/2008	1		0		1,520.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Manganese	12/1/2001	11/30/2008	4		0		1,100.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Zinc	12/1/2001	11/30/2008	4		0		459.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	1,3-Dichlorobenzene	12/1/2001	11/30/2008	1		0		350.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Iron	12/1/2001	11/30/2008	2		0		40,000.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2001	11/30/2008	1		0		1,050.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	alpha-BHC	12/1/2001	11/30/2008	1		0		100.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	gamma-BHC (Lindane)	12/1/2001	11/30/2008	1		0		4.99	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nitrobenzene	12/1/2001	11/30/2008	1		0		161.06	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	1		0		31.30	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachloroethane	12/1/2001	11/30/2008	1		0		13,770.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	1		0		32.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	beta-BHC	12/1/2001	11/30/2008	1		0		210.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Arsenic	12/1/2001	11/30/2008	4		0		33.00	LD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Hexachlorobutadiene (HCBD)	12/1/2001	11/30/2008	1		0		550.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Acenaphthene	12/1/2001	11/30/2008	1		0		89.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Acenaphthylene	12/1/2001	11/30/2008	1		0		130.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	1		0		62.90	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	1		0		80.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Anthracene	12/1/2001	11/30/2008	1		0		845.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2001	11/30/2008	1		0		1,450.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Cadmium	12/1/2001	11/30/2008	4		0		4.98	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	1		0		17.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chromium	12/1/2001	11/30/2008	4		0		111.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Fluorene	12/1/2001	11/30/2008	1		0		536.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	1		0		240.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	1,4-Dichlorobenzene	12/1/2001	11/30/2008	1		0		4,650.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Heptachlor epoxide	12/1/2001	11/30/2008	1		0		16.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chrysene	12/1/2001	11/30/2008	1		0		1,290.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Fluoranthene	12/1/2001	11/30/2008	1		0		2,230.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	1		0		207.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	1		0		61.80	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2001	11/30/2008	1		0		140.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	1		0		28.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Copper	12/1/2001	11/30/2008	4		0		149.00	LD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

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

**USE** **Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	9		1	580	394.00	LD	NC	<input type="checkbox"/>	NC		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	9	26.95			126.00	LD	NC	<input type="checkbox"/>	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	12/1/2001	11/30/2008	54		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	55		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	55		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	326	1625.53			1,550.00	AD	NS	<input type="checkbox"/>	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2001	11/30/2008	227	312.62			300.00	AD	NS	<input type="checkbox"/>	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	226	606.80			570.00	AD	NS	<input type="checkbox"/>	NS	sulfate	5c
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	11		1	15.4	14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	50		14	3.33	0.69	AD	CS	<input type="checkbox"/>	CS	total phosphorus	
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	52		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	53		1	2.12	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	52		0		0.33	AD	NC	<input type="checkbox"/>	NC		

**USE** **Fish Consumption Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2001	11/30/2008	33	0.03			5.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2008	32	0.29			100.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	33	0.09			4.98	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID**

**2306\_01**

From the lower segment boundary at Ramsey Canyon upstream to the confluence of Panther Gulch

**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	12/1/2001	11/30/2008	33	0.03			5.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	53	0.80			10,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	11	0.98			4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2001	11/30/2008	33	97.73			2,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2001	11/30/2008	43	2.64			50.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2001	11/30/2008	33	0.09			4.98	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	4		0		5.00	LD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	4		0		3.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	3		0		360.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	3	3.40			190.00	ID	NA	<input type="checkbox"/>	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	12/1/2001	11/30/2008	4		0		33.90	LD	NC	<input type="checkbox"/>	NC		
High pH	pH	12/1/2001	11/30/2008	4		0		9.00	LD	NC	<input type="checkbox"/>	NC		
Low pH	pH	12/1/2001	11/30/2008	4		0		6.50	LD	NC	<input type="checkbox"/>	NC		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	326	1625.53			1,550.00	AD	NS	<input type="checkbox"/>	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2001	11/30/2008	227	312.62			300.00	AD	NS	<input type="checkbox"/>	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	226	606.80			570.00	AD	NS	<input type="checkbox"/>	NS	sulfate	5c
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	3		0		1.95	ID	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	3		0		0.37	ID	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	3		0		0.33	ID	NA	<input type="checkbox"/>	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	12/1/2001	11/30/2008	3	0.39			10,000.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Arsenic	12/1/2001	11/30/2008	3	3.40			50.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	22		1	4.92	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	22		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	1		0		360.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	1	4.30			190.00	ID	NA	<input type="checkbox"/>	NA		

**USE** **Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	16		3	1943.67	394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	16	22.49			126.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	24		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	24		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	24		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	226	606.80			570.00	AD	NS	<input type="checkbox"/>	NS	sulfate	5c
Dissolved Solids	Chloride	12/1/2001	11/30/2008	227	312.62			300.00	AD	NS	<input type="checkbox"/>	NS	chloride	5c
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	326	1625.53			1,550.00	AD	NS	<input type="checkbox"/>	NS	total dissolved solids	5c
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	25		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	24		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	24		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	24		6	7.61	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	22		7	54.87	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID**

**2306\_03**

From FM 2627 upstream to Boquillas 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	Arsenic	12/1/2001	11/30/2008	1	4.30			50.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	24	1.26			4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	25	0.31			10,000.00	AD	FS	<input type="checkbox"/>	FS		



## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	47		2	3.16	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	47		1	2.4	3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	2		0		991.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	1		0		6,429.74	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	5		0		360.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	2		0		2,375.19	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	5	2.86			190.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	2	3.75			377.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	1	2.50			341.26	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachlorobutadiene (HCBd)	12/1/2001	11/30/2008	2		0		550.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nitrobenzene	12/1/2001	11/30/2008	2		0		161.06	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Di-n-butyl phthalate	12/1/2001	11/30/2008	2		0		43.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2001	11/30/2008	2		0		1,050.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Pyrene	12/1/2001	11/30/2008	2		0		1,520.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Phenanthrene	12/1/2001	11/30/2008	2		0		1,170.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Naphthalene	12/1/2001	11/30/2008	2		0		561.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachloroethane	12/1/2001	11/30/2008	2		0		13,770.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Fluoranthene	12/1/2001	11/30/2008	2		0		2,230.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2001	11/30/2008	2		0		140.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chrysene	12/1/2001	11/30/2008	2		0		1,290.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2001	11/30/2008	2		0		1,450.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Anthracene	12/1/2001	11/30/2008	2		0		845.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Acenaphthylene	12/1/2001	11/30/2008	2		0		130.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Acenaphthene	12/1/2001	11/30/2008	2		0		89.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Fluorene	12/1/2001	11/30/2008	2		0		536.00	ID	NA	<input type="checkbox"/>	NA		

**USE** **Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	35		1	721.5	394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	35	32.36			126.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	47		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	47		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	47		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	326	1625.53			1,550.00	AD	NS	<input type="checkbox"/>	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2001	11/30/2008	227	312.62			300.00	AD	NS	<input type="checkbox"/>	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	226	606.80			570.00	AD	NS	<input type="checkbox"/>	NS	sulfate	5c
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	41		8	5.82	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	38		12	34.23	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	14		1	4.14	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	37		3	5.4	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	41		2	0.72	0.33	AD	NC	<input type="checkbox"/>	NC		
Fish Kill Reports	Fish Kill Reports	12/1/2001	11/30/2008						OE	CN	<input type="checkbox"/>	CN	fish kill report	

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID** **2306\_04** From Boquillas Canyon upstream to Mariscal 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	Chromium	12/1/2001	11/30/2008	2	3.75			100.00	ID	NA	<input type="checkbox"/>	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	12/1/2001	11/30/2008	5	2.86			50.00	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Barium	12/1/2001	11/30/2008	1	90.00			2,000.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	11	1.16			4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	37	0.58			10,000.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	2		0		5.00	ID	NA	<input type="checkbox"/>	NA		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	2		0		3.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	2		0		360.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	2				190.00	ID	NA	<input type="checkbox"/>	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	12/1/2001	11/30/2008	2		0		33.90	ID	NA	<input type="checkbox"/>	NA		
High pH	pH	12/1/2001	11/30/2008	2		0		9.00	ID	NA	<input type="checkbox"/>	NA		
Low pH	pH	12/1/2001	11/30/2008	2		0		6.50	ID	NA	<input type="checkbox"/>	NA		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	326	1625.53			1,550.00	AD	NS	<input type="checkbox"/>	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2001	11/30/2008	227	312.62			300.00	AD	NS	<input type="checkbox"/>	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	226	606.80			570.00	AD	NS	<input type="checkbox"/>	NS	sulfate	5c
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	2		0		1.95	ID	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	2		0		0.37	ID	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	2		0		0.33	ID	NA	<input type="checkbox"/>	NA		
Fish Kill Reports	Fish Kill Reports	12/1/2001	11/30/2008						OE	CN	<input type="checkbox"/>	CN	fish kill report	

**USE** **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Arsenic	12/1/2001	11/30/2008	2				50.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	4	0.01			10,000.00	LD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	72		1	3.61	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	72		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	6		0		2,380.52	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	1		0		0.80	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	1		0		248.76	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	4		0		1,439.32	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	1		0		43.69	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	1		0		92.15	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	8		0		360.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	6		0		991.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	1		0		233.03	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	1	0.21			8.09	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	1	0.04			2.12	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	1	3.00			227.16	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	4	3.94			341.26	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	6	3.82			377.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	8	2.30			190.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	1	2.20			26.88	ID	NA	<input type="checkbox"/>	NA		
Acute Ambient Toxicity tests in water	Water Acute Toxicity	12/1/2001	11/30/2008	10		0			AD	FS	<input type="checkbox"/>	FS		
Toxic Substances in sediment	Zinc	12/1/2001	11/30/2008	1		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Manganese	12/1/2001	11/30/2008	1		0		1,100.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Mirex	12/1/2001	11/30/2008	1		0		1,300.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Naphthalene	12/1/2001	11/30/2008	2		0		561.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nickel	12/1/2001	11/30/2008	1		0		48.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	2		0		676.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Phenanthrene	12/1/2001	11/30/2008	2		0		1,170.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Pyrene	12/1/2001	11/30/2008	2		0		1,520.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Silver	12/1/2001	11/30/2008	1		0		2.20	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	1,3-Dichlorobenzene	12/1/2001	11/30/2008	1		0		350.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2001	11/30/2008	2		0		1,050.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	alpha-BHC	12/1/2001	11/30/2008	1		0		100.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	beta-BHC	12/1/2001	11/30/2008	1		0		210.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	gamma-BHC (Lindane)	12/1/2001	11/30/2008	1		0		4.99	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	2		0		32.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Di-n-butyl phthalate	12/1/2001	11/30/2008	2		0		43.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	2		0		62.90	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Lead	12/1/2001	11/30/2008	1		0		128.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	2		0		31.30	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	2		0		28.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nitrobenzene	12/1/2001	11/30/2008	2		0		161.06	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	2		0		17.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	1,4-Dichlorobenzene	12/1/2001	11/30/2008	1		0		4,650.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Acenaphthene	12/1/2001	11/30/2008	2		0		89.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Acenaphthylene	12/1/2001	11/30/2008	2		0		130.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	2		0		80.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Anthracene	12/1/2001	11/30/2008	2		0		845.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Arsenic	12/1/2001	11/30/2008	1		0		33.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	2		0		61.80	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Cadmium	12/1/2001	11/30/2008	1		0		4.98	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachloroethane	12/1/2001	11/30/2008	2		0		13,770.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chromium	12/1/2001	11/30/2008	1		0		111.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Heptachlor epoxide	12/1/2001	11/30/2008	1		0		16.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2001	11/30/2008	2		0		1,450.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	2		0		240.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chrysene	12/1/2001	11/30/2008	2		0		1,290.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Fluorene	12/1/2001	11/30/2008	2		0		536.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Fluoranthene	12/1/2001	11/30/2008	2		0		2,230.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	2		0		207.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2001	11/30/2008	2		0		140.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Copper	12/1/2001	11/30/2008	1		0		149.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachlorobutadiene (HCBD)	12/1/2001	11/30/2008	2		0		550.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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 Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	54		7	1492.06	394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	54	45.96			126.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	74		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	72		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	72		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	226	606.80			570.00	AD	NS	<input type="checkbox"/>	NS	sulfate	5c
Dissolved Solids	Chloride	12/1/2001	11/30/2008	227	312.62			300.00	AD	NS	<input type="checkbox"/>	NS	chloride	5c
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	326	1625.53			1,550.00	AD	NS	<input type="checkbox"/>	NS	total dissolved solids	5c
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	57		3	5.13	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	32		1	0.65	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	62		3	1.93	0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	67		12	3.79	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	62		27	61.08	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Fish Kill Reports	Fish Kill Reports	12/1/2001	11/30/2008						OE	CN	<input type="checkbox"/>	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	12/1/2001	11/30/2008	1	0.04			5.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2008	6	3.82			100.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	1	0.21			4.98	ID	NA	<input type="checkbox"/>	NA		



## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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** Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Arsenic	12/1/2001	11/30/2008	8	2.30			50.00	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Barium	12/1/2001	11/30/2008	4	75.75			2,000.00	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Cadmium	12/1/2001	11/30/2008	1	0.04			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	35	1.10			4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2001	11/30/2008	1	0.21			4.98	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	59	0.58			10,000.00	AD	FS	<input type="checkbox"/>	FS		

**AUID** 2306\_07 From the mouth of Santa Elena Canyon at the Terlingua Creek confluence upstream to the Alamito 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
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	226	606.80			570.00	AD	NS	<input type="checkbox"/>	NS	sulfate	5c
Dissolved Solids	Chloride	12/1/2001	11/30/2008	227	312.62			300.00	AD	NS	<input type="checkbox"/>	NS	chloride	5c
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	326	1625.53			1,550.00	AD	NS	<input type="checkbox"/>	NS	total dissolved solids	5c
Fish Kill Reports	Fish Kill Reports	12/1/2001	11/30/2008						OE	CN	<input type="checkbox"/>	CN	fish kill report	

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	174		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	174		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2001	11/30/2008	2		0		0.22	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Selenium	12/1/2001	11/30/2008	2		0		20.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	20		0		0.80	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	20		0		477.71	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	gamma-BHC (Lindane)	12/1/2001	11/30/2008	3		0		2.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Toxaphene	12/1/2001	11/30/2008	3		0		0.78	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	DDT	12/1/2001	11/30/2008	3		0		1.10	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Diuron (Karmex)	12/1/2001	11/30/2008	1		0		210.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Endrin	12/1/2001	11/30/2008	3		0		0.18	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Endosulfan 2 (beta)	12/1/2001	11/30/2008	2		0		0.22	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Endosulfan sulfate	12/1/2001	11/30/2008	3		0		0.22	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	3		0		20.27	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	3		0		136.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Phenanthrene	12/1/2001	11/30/2008	3		0		30.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Dicofol (Kelthane)	12/1/2001	11/30/2008	3		0		59.30	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	17		0		219.67	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	17		0		621.11	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Parathion	12/1/2001	11/30/2008	2		0		0.07	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Aldrin	12/1/2001	11/30/2008	3		0		3.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	22		0		360.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Carbaryl (Sevin)	12/1/2001	11/30/2008	3		0		2.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chlordane	12/1/2001	11/30/2008	3		0		2.40	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2001	11/30/2008	3		0		0.08	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	20		0		2,183.71	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	20		0		90.26	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Dieldrin	12/1/2001	11/30/2008	3		0		2.50	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Heptachlor	12/1/2001	11/30/2008	3		0		0.52	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	20		0		5,895.03	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	PCBs	12/1/2001	11/30/2008	1		0		2.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	19		0		991.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	20	3.91			341.26	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Toxaphene	12/1/2001	11/30/2008	3	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	PCBs	12/1/2001	11/30/2008	1	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Parathion	12/1/2001	11/30/2008	2	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Selenium	12/1/2001	11/30/2008	2	0.77			5.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Phenanthrene	12/1/2001	11/30/2008	3	1.83			30.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	gamma-BHC (Lindane)	12/1/2001	11/30/2008	3	0.02			0.08	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	DDT	12/1/2001	11/30/2008	3	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Dicofol (Kelthane)	12/1/2001	11/30/2008	3	0.34			19.80	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Diuron (Karmex)	12/1/2001	11/30/2008	1	0.11			70.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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
Chronic Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2001	11/30/2008	2	0.03			0.06	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Endosulfan 2 (beta)	12/1/2001	11/30/2008	2	0.03			0.06	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Endosulfan sulfate	12/1/2001	11/30/2008	3	0.02			0.06	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	3	2.00			64.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	3	1.42			9.46	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2001	11/30/2008	3	0.02			0.04	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	22	3.29			190.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chlordane	12/1/2001	11/30/2008	3	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Mirex	12/1/2001	11/30/2008	3	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	20	0.65			377.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	20	3.35			26.88	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Demeton	12/1/2001	11/30/2008	3	0.04			0.10	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Dieldrin	12/1/2001	11/30/2008	3	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Guthion	12/1/2001	11/30/2008	3	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Heptachlor	12/1/2001	11/30/2008	3	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	17	0.15			8.09	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	20	2.69			227.16	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Malathion	12/1/2001	11/30/2008	3	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Methoxychlor	12/1/2001	11/30/2008	2	0.02			0.03	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Endrin	12/1/2001	11/30/2008	3	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	17	0.16			2.12	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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
Acute Ambient Toxicity tests in water	Water Acute Toxicity	12/1/2001	11/30/2008	8		0			LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Pyrene	12/1/2001	11/30/2008	1		0		1,520.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Phenanthrene	12/1/2001	11/30/2008	1		0		1,170.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	4		0		676.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Nickel	12/1/2001	11/30/2008	1		0		48.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Naphthalene	12/1/2001	11/30/2008	1		0		561.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Mirex	12/1/2001	11/30/2008	3		0		1,300.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Lead	12/1/2001	11/30/2008	1		0		128.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Silver	12/1/2001	11/30/2008	1		0		2.20	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Manganese	12/1/2001	11/30/2008	1		0		1,100.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	1,3-Dichlorobenzene	12/1/2001	11/30/2008	1		0		350.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	alpha-BHC	12/1/2001	11/30/2008	1		0		100.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	beta-BHC	12/1/2001	11/30/2008	1		0		210.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	gamma-BHC (Lindane)	12/1/2001	11/30/2008	1		0		4.99	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	4		0		32.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Di-n-butyl phthalate	12/1/2001	11/30/2008	1		0		43.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	4		1	77	62.90	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Hexachloroethane	12/1/2001	11/30/2008	1		0		13,770.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	4		0		31.30	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Zinc	12/1/2001	11/30/2008	1		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nitrobenzene	12/1/2001	11/30/2008	1		0		161.06	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Chlordane	12/1/2001	11/30/2008	4		0		17.60	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Acenaphthene	12/1/2001	11/30/2008	1		0		89.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Acenaphthylene	12/1/2001	11/30/2008	1		0		130.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	4		0		80.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Anthracene	12/1/2001	11/30/2008	1		0		845.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Arsenic	12/1/2001	11/30/2008	1		0		33.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachlorobutadiene (HCBD)	12/1/2001	11/30/2008	1		0		550.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Cadmium	12/1/2001	11/30/2008	1		0		4.98	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2001	11/30/2008	1		0		1,050.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chromium	12/1/2001	11/30/2008	1		0		111.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	1,4-Dichlorobenzene	12/1/2001	11/30/2008	1		0		4,650.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Fluorene	12/1/2001	11/30/2008	1		0		536.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2001	11/30/2008	1		0		1,450.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Heptachlor epoxide	12/1/2001	11/30/2008	1		0		16.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chrysene	12/1/2001	11/30/2008	1		0		1,290.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Fluoranthene	12/1/2001	11/30/2008	1		0		2,230.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	4		0		207.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	4		0		61.80	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2001	11/30/2008	1		0		140.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	4		0		28.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Copper	12/1/2001	11/30/2008	1		0		149.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	4		0		240.00	LD	NC	<input type="checkbox"/>	NC		
TOXNET ambient toxicity tests in water - lethality	Water Toxicity - Lethal Effects	12/1/2001	11/30/2008	6		1			LD	NC	<input type="checkbox"/>	NC		
TOXNET ambient toxicity tests in water - sublethality	Water Toxicity - Sublethal Effects	12/1/2001	11/30/2008	2		0			ID	NA	<input type="checkbox"/>	NA		

**USE** **Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	123		42	1194.43	394.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5c
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	123	149.32			126.00	AD	NS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	180		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	180		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	180		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	326	1625.53			1,550.00	AD	NS	<input type="checkbox"/>	NS	total dissolved solids	5c
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	226	606.80			570.00	AD	NS	<input type="checkbox"/>	NS	sulfate	5c
Dissolved Solids	Chloride	12/1/2001	11/30/2008	227	312.62			300.00	AD	NS	<input type="checkbox"/>	NS	chloride	5c
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	80		17	4.65	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	54		7	0.64	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	80		7	0.74	0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	84		11	1.13	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	66		37	61.25	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID**

**2306\_08**

From Alamito Creek confluence upstream to the Rio Conchos 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	Carbon tetrachloride	12/1/2001	11/30/2008	3	1.27			3.76	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2001	11/30/2008	3	0.68			2.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2001	11/30/2008	3	1.68			200.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2001	11/30/2008	3	3.50			5.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Nitrobenzene	12/1/2001	11/30/2008	3	2.00			37.30	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2001	11/30/2008	3	0.56			1.63	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	DDE	12/1/2001	11/30/2008	3	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2001	11/30/2008	3	1.68			776.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Hexachlorophene	12/1/2001	11/30/2008	2	0.03			0.05	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Benzene	12/1/2001	11/30/2008	4	3.76			5.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	3	2.00			953.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2001	11/30/2008	3	3.40			5.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2001	11/30/2008	3	1.72			100.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	1,2,4,5-Tetrachlorobenzene	12/1/2001	11/30/2008	2	0.12			0.24	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Cresols	12/1/2001	11/30/2008	2	5.00			3,313.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2001	11/30/2008	2	10.00			52,917.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	N-Nitrosodiethylamine	12/1/2001	11/30/2008	2	0.02			0.04	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	N-Nitroso-di-n-butylamine	12/1/2001	11/30/2008	2	0.92			1.84	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Pentachlorobenzene	12/1/2001	11/30/2008	2	2.50			6.10	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Silvex	12/1/2001	11/30/2008	3	0.17			47.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Pyridine	12/1/2001	11/30/2008	2	2.50			88.10	ID	NA	<input type="checkbox"/>	NA		



## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID**

**2306\_08**

From Alamito Creek confluence upstream to the Rio Conchos 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	Acrylonitrile	12/1/2001	11/30/2008	2	0.64			1.28	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	3	0.42			1.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2001	11/30/2008	3	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2001	11/30/2008	3	0.01			0.02	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Benzidine	12/1/2001	11/30/2008	2	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Dicofol (Kelthane)	12/1/2001	11/30/2008	3	0.07			0.22	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2001	11/30/2008	3	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Benzo(a)anthracene	12/1/2001	11/30/2008	3	0.05			0.10	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2001	11/30/2008	17	0.33			5.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2008	20	0.65			100.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chrysene	12/1/2001	11/30/2008	3	0.21			0.42	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	DDD	12/1/2001	11/30/2008	3	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2001	11/30/2008	3	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Endrin	12/1/2001	11/30/2008	3	0.02			1.27	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2001	11/30/2008	3	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2001	11/30/2008	3	3.50			5.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	3	0.01			0.02	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Hexachlorobutadiene (HCBD)	12/1/2001	11/30/2008	3	1.16			2.99	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2001	11/30/2008	3	1.83			84.20	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	17	0.15			4.98	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Methoxychlor	12/1/2001	11/30/2008	2	0.03			2.21	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID**

**2306\_08**

From Alamito Creek confluence upstream to the Rio Conchos 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	PCBs	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2001	11/30/2008	3	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	DDT	12/1/2001	11/30/2008	3	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Benzo(a)pyrene	12/1/2001	11/30/2008	3	0.05			0.10	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	gamma-BHC (Lindane)	12/1/2001	11/30/2008	3	0.02			0.20	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2001	11/30/2008	3	0.02			0.16	ID	NA	<input type="checkbox"/>	NA		

**USE** **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	1,2-Dichloroethane	12/1/2001	11/30/2008	3	3.40			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	1,1-Dichloroethylene	12/1/2001	11/30/2008	3	0.56			1.63	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Chlorobenzene	12/1/2001	11/30/2008	3	1.68			776.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Tetrachloroethene	12/1/2001	11/30/2008	3	3.50			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	1,1,1-Trichloroethane	12/1/2001	11/30/2008	3	1.68			200.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Nitrobenzene	12/1/2001	11/30/2008	3	2.00			37.30	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Carbon tetrachloride	12/1/2001	11/30/2008	3	1.27			3.76	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Benzene	12/1/2001	11/30/2008	4	3.76			5.00	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	3	2.00			953.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Dicofol (Kelthane)	12/1/2001	11/30/2008	3	0.07			0.22	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	DDT	12/1/2001	11/30/2008	3	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Vinyl chloride	12/1/2001	11/30/2008	3	0.68			2.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Pyridine	12/1/2001	11/30/2008	2	2.50			88.10	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID**

**2306\_08**

From Alamito Creek confluence upstream to the Rio Conchos 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	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	3	0.42			1.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	DDE	12/1/2001	11/30/2008	3	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Chloroform	12/1/2001	11/30/2008	3	1.72			100.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	1,2,4,5-Tetrachlorobenzene	12/1/2001	11/30/2008	2	0.12			0.24	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	1,2-Dibromoethane	12/1/2001	11/30/2008	3	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Cresols	12/1/2001	11/30/2008	2	5.00			3,313.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Hexachlorophene	12/1/2001	11/30/2008	2	0.03			0.05	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Methyl ethyl ketone	12/1/2001	11/30/2008	2	10.00			52,917.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	N-Nitrosodiethylamine	12/1/2001	11/30/2008	2	0.02			0.04	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	N-Nitroso-di-n-butylamine	12/1/2001	11/30/2008	2	0.92			1.84	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Pentachlorobenzene	12/1/2001	11/30/2008	2	2.50			6.10	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Trihalomethane	12/1/2001	11/30/2008	1	2.50			100.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	2,4-D	12/1/2001	11/30/2008	3	0.18			70.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Toxaphene	12/1/2001	11/30/2008	3	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Silvex	12/1/2001	11/30/2008	3	0.17			47.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Barium	12/1/2001	11/30/2008	17	90.43			2,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Acrylonitrile	12/1/2001	11/30/2008	2	0.64			1.28	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	gamma-BHC (Lindane)	12/1/2001	11/30/2008	3	0.02			0.20	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Arsenic	12/1/2001	11/30/2008	22	3.29			50.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Benzidine	12/1/2001	11/30/2008	2	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Benzo(a)anthracene	12/1/2001	11/30/2008	3	0.05			0.10	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID**

**2306\_08**

From Alamito Creek confluence upstream to the Rio Conchos 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	Benzo(a)pyrene	12/1/2001	11/30/2008	3	0.05			0.10	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Cadmium	12/1/2001	11/30/2008	17	0.33			5.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Chlordane	12/1/2001	11/30/2008	3	0.01			0.02	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Chrysene	12/1/2001	11/30/2008	3	0.21			0.42	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	DDD	12/1/2001	11/30/2008	3	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Dieldrin	12/1/2001	11/30/2008	3	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Endrin	12/1/2001	11/30/2008	3	0.02			1.27	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	PCBs	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Aldrin	12/1/2001	11/30/2008	3	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	41	1.12			4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2001	11/30/2008	3	1.83			75.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Trichloroethene	12/1/2001	11/30/2008	3	3.50			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Selenium	12/1/2001	11/30/2008	2	0.77			50.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	80	1.29			10,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Methoxychlor	12/1/2001	11/30/2008	2	0.03			2.21	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2001	11/30/2008	17	0.15			4.98	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2001	11/30/2008	3	1.83			84.20	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Hexachlorobutadiene (HCBD)	12/1/2001	11/30/2008	3	1.16			2.99	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	3	0.01			0.02	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Heptachlor epoxide	12/1/2001	11/30/2008	3	0.02			0.16	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Heptachlor	12/1/2001	11/30/2008	3	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID**

**2306\_08**

From Alamito Creek confluence upstream to the Rio Conchos 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 Toxic Substances average concern	MTBE	12/1/2001	11/30/2008	3	1.72			240.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water Toxic Substances average concern	Alachlor	12/1/2001	11/30/2008	1	0.01			2.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water Toxic Substances average concern	Atrazine	12/1/2001	11/30/2008	3	1.02			3.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

Segment New  
in 2010? No

**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
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	35		0		344.67	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	34		0		322.80	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	33		0		3,985.77	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	35		0		0.80	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	33		0		58.37	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	35		0		1,495.02	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	35		0		130.36	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	32		0		991.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	42		0		360.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	42	4.04			190.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	35	0.04			2.12	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	35	0.30			377.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	33	2.90			26.88	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	35	0.08			8.09	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	33	3.65			341.26	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	34	2.44			227.16	AD	FS	<input type="checkbox"/>	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	Orthophosphorus	12/1/2001	11/30/2008	38		4	0.51	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	38		3	1.3	0.33	AD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Nitrate	12/1/2001	11/30/2008	37		4	2.54	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	37		4	1.6	0.69	AD	NC	<input type="checkbox"/>	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	12/1/2001	11/30/2008	35	0.30			3,320.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	35	0.08			25.30	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

Segment New  
in 2010? No

**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	12/1/2001	11/30/2008	73		4	4.44	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	73		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Endosulfan sulfate	12/1/2001	11/30/2008	2		0		0.22	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Parathion	12/1/2001	11/30/2008	1		0		0.07	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Phenanthrene	12/1/2001	11/30/2008	2		0		30.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	gamma-BHC (Lindane)	12/1/2001	11/30/2008	2		0		2.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	DDT	12/1/2001	11/30/2008	2		0		1.10	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Dicofol (Kelthane)	12/1/2001	11/30/2008	2		0		59.30	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	PCBs	12/1/2001	11/30/2008	1		0		2.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Endosulfan 2 (beta)	12/1/2001	11/30/2008	2		0		0.22	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	1		0		654.47	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	2		0		20.27	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	2		0		136.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	1		0		0.80	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2001	11/30/2008	2		0		0.22	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Carbaryl (Sevin)	12/1/2001	11/30/2008	2		0		2.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Toxaphene	12/1/2001	11/30/2008	2		0		0.78	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	1		0		8,072.42	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	1		0		991.00	ID	NA	<input type="checkbox"/>	NA		



## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	1		0		334.03	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Aldrin	12/1/2001	11/30/2008	2		0		3.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chlordane	12/1/2001	11/30/2008	2		0		2.40	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2001	11/30/2008	2		0		0.08	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	1		0		2,960.44	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	1		0		128.10	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Dieldrin	12/1/2001	11/30/2008	2		0		2.50	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Endrin	12/1/2001	11/30/2008	2		0		0.18	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Heptachlor	12/1/2001	11/30/2008	2		0		0.52	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	1		0		996.76	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	1		0		360.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	gamma-BHC (Lindane)	12/1/2001	11/30/2008	2	0.03			0.08	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	1	8.50			478.74	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	PCBs	12/1/2001	11/30/2008	1	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Parathion	12/1/2001	11/30/2008	1	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Phenanthrene	12/1/2001	11/30/2008	2	2.50			30.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	1	4.00			318.83	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Toxaphene	12/1/2001	11/30/2008	2	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	DDT	12/1/2001	11/30/2008	2	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Dicofol (Kelthane)	12/1/2001	11/30/2008	2	0.51			19.80	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2001	11/30/2008	2	0.03			0.06	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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
Chronic Toxic Substances in water	Endosulfan 2 (beta)	12/1/2001	11/30/2008	2	0.03			0.06	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Endosulfan sulfate	12/1/2001	11/30/2008	2	0.03			0.06	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Mirex	12/1/2001	11/30/2008	2	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	2	1.63			7.74	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	1	2.00			523.19	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	2	2.75			64.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Methoxychlor	12/1/2001	11/30/2008	2	0.02			0.03	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	1	4.06			190.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	1	1.45			2.90	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chlorpyrifos (Dursban)	12/1/2001	11/30/2008	2	0.02			0.04	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	1	3.00			37.83	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Demeton	12/1/2001	11/30/2008	2	0.05			0.10	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Dieldrin	12/1/2001	11/30/2008	2	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Endrin	12/1/2001	11/30/2008	2	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Guthion	12/1/2001	11/30/2008	2	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Heptachlor	12/1/2001	11/30/2008	2	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	1	0.50			13.46	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Malathion	12/1/2001	11/30/2008	2	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chlordane	12/1/2001	11/30/2008	2	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	3		0		80.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Mirex	12/1/2001	11/30/2008	3		0		1,300.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	3		0		31.30	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	3		0		62.90	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	3		0		32.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	3		0		676.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	3		0		240.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	3		0		207.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	3		0		61.80	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	3		0		17.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	3		0		28.00	ID	NA	<input type="checkbox"/>	NA		

**USE** **Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	58		5	1550.17	394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	58	45.65			126.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	75		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	75		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	75		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	235	448.08			550.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	258	1756.66			1,500.00	AD	NS	<input type="checkbox"/>	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2001	11/30/2008	231	425.30			300.00	AD	NS	<input type="checkbox"/>	NS	chloride	5c
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	72		15	7.12	1.95	AD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	41		8	0.73	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	70		5	1.65	0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	74		18	1.54	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	72		44	50.57	14.10	AD	CS	<input type="checkbox"/>	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	Benzene	12/1/2001	11/30/2008	3	5.00			5.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2001	11/30/2008	2	1.00			2.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2001	11/30/2008	2	2.50			200.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2001	11/30/2008	2	5.00			5.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Nitrobenzene	12/1/2001	11/30/2008	2	2.50			37.30	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2001	11/30/2008	2	0.82			1.63	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2001	11/30/2008	2	5.00			5.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	DDE	12/1/2001	11/30/2008	2	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2001	11/30/2008	2	1.88			3.76	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Hexachlorophene	12/1/2001	11/30/2008	2	0.03			0.05	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	2	2.75			953.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2001	11/30/2008	2	2.50			776.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2001	11/30/2008	2	2.50			100.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	1,2,4,5-Tetrachlorobenzene	12/1/2001	11/30/2008	2	0.12			0.24	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Cresols	12/1/2001	11/30/2008	2	5.00			3,313.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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)	12/1/2001	11/30/2008	2	0.38			1.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2001	11/30/2008	2	10.00			52,917.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	N-Nitrosodiethylamine	12/1/2001	11/30/2008	2	0.02			0.04	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	N-Nitroso-di-n-butylamine	12/1/2001	11/30/2008	2	0.92			1.84	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Pentachlorobenzene	12/1/2001	11/30/2008	2	2.50			6.10	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Silvex	12/1/2001	11/30/2008	2	0.25			47.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Pyridine	12/1/2001	11/30/2008	2	2.50			88.10	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2001	11/30/2008	2	2.50			84.20	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2001	11/30/2008	2	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2008	1	2.00			100.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Methoxychlor	12/1/2001	11/30/2008	2	0.03			2.21	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Dicofol (Kelthane)	12/1/2001	11/30/2008	2	0.11			0.22	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2001	11/30/2008	2	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Benzidine	12/1/2001	11/30/2008	2	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Benzo(a)anthracene	12/1/2001	11/30/2008	2	0.05			0.10	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Benzo(a)pyrene	12/1/2001	11/30/2008	2	0.05			0.10	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2001	11/30/2008	2	0.01			0.02	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2001	11/30/2008	2	0.64			1.28	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chrysene	12/1/2001	11/30/2008	2	0.21			0.42	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	DDD	12/1/2001	11/30/2008	2	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2001	11/30/2008	2	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Endrin	12/1/2001	11/30/2008	2	0.03			1.27	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	gamma-BHC (Lindane)	12/1/2001	11/30/2008	2	0.03			0.20	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	DDT	12/1/2001	11/30/2008	2	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2001	11/30/2008	1	2.50			5.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2001	11/30/2008	2	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2001	11/30/2008	2	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2001	11/30/2008	2	5.00			5.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	PCBs	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	1	0.50			4.98	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Hexachlorobutadiene (HCBBD)	12/1/2001	11/30/2008	2	1.50			2.99	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	2	0.01			0.02	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2001	11/30/2008	2	0.03			0.16	ID	NA	<input type="checkbox"/>	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	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	2	2.75			953.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Tetrachloroethene	12/1/2001	11/30/2008	2	5.00			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Nitrobenzene	12/1/2001	11/30/2008	2	2.50			37.30	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	1,1-Dichloroethylene	12/1/2001	11/30/2008	2	0.82			1.63	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	1,2-Dichloroethane	12/1/2001	11/30/2008	2	5.00			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Chlorobenzene	12/1/2001	11/30/2008	2	2.50			776.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	2	0.38			1.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Benzene	12/1/2001	11/30/2008	3	5.00			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	DDT	12/1/2001	11/30/2008	2	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Dicofol (Kelthane)	12/1/2001	11/30/2008	2	0.11			0.22	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	1,1,1-Trichloroethane	12/1/2001	11/30/2008	2	2.50			200.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Carbon tetrachloride	12/1/2001	11/30/2008	2	1.88			3.76	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Vinyl chloride	12/1/2001	11/30/2008	2	1.00			2.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	DDE	12/1/2001	11/30/2008	2	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Chloroform	12/1/2001	11/30/2008	2	2.50			100.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	1,2,4,5-Tetrachlorobenzene	12/1/2001	11/30/2008	2	0.12			0.24	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	1,2-Dibromoethane	12/1/2001	11/30/2008	2	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Cresols	12/1/2001	11/30/2008	2	5.00			3,313.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Hexachlorophene	12/1/2001	11/30/2008	2	0.03			0.05	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Methyl ethyl ketone	12/1/2001	11/30/2008	2	10.00			52,917.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	N-Nitrosodiethylamine	12/1/2001	11/30/2008	2	0.02			0.04	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Pyridine	12/1/2001	11/30/2008	2	2.50			88.10	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Trihalomethane	12/1/2001	11/30/2008	1	2.50			100.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	N-Nitroso-di-n-butylamine	12/1/2001	11/30/2008	2	0.92			1.84	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Toxaphene	12/1/2001	11/30/2008	2	0.00			0.01	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Pentachlorobenzene	12/1/2001	11/30/2008	2	2.50			6.10	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Cadmium	12/1/2001	11/30/2008	1	2.50			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	gamma-BHC (Lindane)	12/1/2001	11/30/2008	2	0.03			0.20	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Silvex	12/1/2001	11/30/2008	2	0.25			47.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	2,4-D	12/1/2001	11/30/2008	2	0.25			70.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Acrylonitrile	12/1/2001	11/30/2008	2	0.64			1.28	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Aldrin	12/1/2001	11/30/2008	2	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Arsenic	12/1/2001	11/30/2008	1	4.06			50.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Benzidine	12/1/2001	11/30/2008	2	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Benzo(a)pyrene	12/1/2001	11/30/2008	2	0.05			0.10	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Chlordane	12/1/2001	11/30/2008	2	0.01			0.02	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Chrysene	12/1/2001	11/30/2008	2	0.21			0.42	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	DDD	12/1/2001	11/30/2008	2	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Dieldrin	12/1/2001	11/30/2008	2	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	72	1.77			10,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2001	11/30/2008	2	2.50			75.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Benzo(a)anthracene	12/1/2001	11/30/2008	2	0.05			0.10	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	PCBs	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Endrin	12/1/2001	11/30/2008	2	0.03			1.27	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Methoxychlor	12/1/2001	11/30/2008	2	0.03			2.21	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2001	11/30/2008	1	0.50			4.98	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2001	11/30/2008	2	2.50			84.20	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Hexachlorobutadiene (HCBD)	12/1/2001	11/30/2008	2	1.50			2.99	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	44	0.84			4.00	AD	FS	<input type="checkbox"/>	FS		



## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	2	0.01			0.02	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Heptachlor epoxide	12/1/2001	11/30/2008	2	0.03			0.16	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Heptachlor	12/1/2001	11/30/2008	2	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Trichloroethene	12/1/2001	11/30/2008	2	5.00			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water Toxic Substances average concern	MTBE	12/1/2001	11/30/2008	2	2.50			240.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water Toxic Substances average concern	Atrazine	12/1/2001	11/30/2008	2	1.50			3.00	ID	NA	<input type="checkbox"/>	NA		

**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	Sulfate	12/1/2001	11/30/2008	235	448.08			550.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	258	1756.66			1,500.00	AD	NS	<input type="checkbox"/>	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2001	11/30/2008	231	425.30			300.00	AD	NS	<input type="checkbox"/>	NS	chloride	5c

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	26		1	4.9	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	26		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	6		0		5,407.44	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	6		0		0.80	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	6		0		438.14	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	5		0		670.66	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Selenium	12/1/2001	11/30/2008	6		0		20.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	6		0		2,008.62	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	6		0		195.78	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	6		0		360.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	6		0		991.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	2		0		81.99	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	6	2.00			523.19	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	6	2.77			318.83	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Selenium	12/1/2001	11/30/2008	6	0.15			5.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	6	3.78			478.74	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	2	3.65			37.83	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	6	0.52			2.90	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	6	14.63			190.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	5	0.37			13.46	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Lead	12/1/2001	11/30/2008	1		0		128.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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
Toxic Substances in sediment	Nickel	12/1/2001	11/30/2008	1		0		48.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Silver	12/1/2001	11/30/2008	1		0		2.20	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Manganese	12/1/2001	11/30/2008	1		0		1,100.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chromium	12/1/2001	11/30/2008	1		0		111.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Cadmium	12/1/2001	11/30/2008	1		0		4.98	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Arsenic	12/1/2001	11/30/2008	1		0		33.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Zinc	12/1/2001	11/30/2008	1		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Copper	12/1/2001	11/30/2008	1		0		149.00	ID	NA	<input type="checkbox"/>	NA		

**USE** Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	22		7	1878.43	394.00	AD	CN	<input type="checkbox"/>	PI	bacteria	
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	22	165.09			126.00	AD	NS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	26		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	26		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	26		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	231	425.30			300.00	AD	NS	<input type="checkbox"/>	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	235	448.08			550.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	258	1756.66			1,500.00	AD	NS	<input type="checkbox"/>	NS	total dissolved solids	5c
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	28		15	1.25	0.37	AD	CS	<input type="checkbox"/>	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	26		14	4.83	0.33	AD	CS	<input type="checkbox"/>	CS	ammonia	

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

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

**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	12/1/2001	11/30/2008	27		13	1.77	0.69	AD	CS	<input type="checkbox"/>	CS	total phosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	26		19	109.57	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	27		4	3.32	1.95	AD	NC	<input type="checkbox"/>	NC		

**USE** Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2001	11/30/2008	6	0.52			5.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2008	6	2.00			100.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	5	0.37			4.98	LD	NC	<input type="checkbox"/>	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	12/1/2001	11/30/2008	28	0.72			4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2001	11/30/2008	6	0.15			50.00	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Lead	12/1/2001	11/30/2008	5	0.37			4.98	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Arsenic	12/1/2001	11/30/2008	6	17.76			50.00	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	28	1.08			10,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2001	11/30/2008	6	0.52			5.00	LD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: 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
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2001	11/30/2008	65		12	2.85	5.00	AD	CS	<input type="checkbox"/>	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	65		7	2.06	3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	8		0		74.85	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Parathion	12/1/2001	11/30/2008	4		0		0.07	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Phenanthrene	12/1/2001	11/30/2008	11		0		30.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Selenium	12/1/2001	11/30/2008	19		0		20.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	gamma-BHC (Lindane)	12/1/2001	11/30/2008	11		0		2.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	DDT	12/1/2001	11/30/2008	11		0		1.10	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Dicofol (Kelthane)	12/1/2001	11/30/2008	11		0		59.30	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2001	11/30/2008	11		0		0.22	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	PCBs	12/1/2001	11/30/2008	1		0		2.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Endosulfan sulfate	12/1/2001	11/30/2008	11		0		0.22	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	21		0		314.99	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	11		0		136.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	21		0		0.80	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Endosulfan 2 (beta)	12/1/2001	11/30/2008	11		0		0.22	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chlordane	12/1/2001	11/30/2008	11		0		2.40	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Aldrin	12/1/2001	11/30/2008	11		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Toxaphene	12/1/2001	11/30/2008	11		0		0.78	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	27		0		3,889.48	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	27		0		360.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: 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	Carbaryl (Sevin)	12/1/2001	11/30/2008	6		0		2.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	27		0		991.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2001	11/30/2008	10		0		0.08	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	27		0		1,460.04	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	14		1	3.05	62.17	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Dieldrin	12/1/2001	11/30/2008	11		0		2.50	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Endrin	12/1/2001	11/30/2008	11		0		0.18	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Heptachlor	12/1/2001	11/30/2008	11		0		0.52	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	21		0		332.22	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	22		0		126.18	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Phenanthrene	12/1/2001	11/30/2008	11	2.60			30.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	11	2.89			64.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Parathion	12/1/2001	11/30/2008	4	0.01			0.01	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Selenium	12/1/2001	11/30/2008	19	0.34			5.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	21	3.55			318.83	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	gamma-BHC (Lindane)	12/1/2001	11/30/2008	11	0.03			0.08	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Toxaphene	12/1/2001	11/30/2008	11	0.00			0.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	DDT	12/1/2001	11/30/2008	11	0.00			0.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Dicofol (Kelthane)	12/1/2001	11/30/2008	11	0.52			19.80	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2001	11/30/2008	11	0.03			0.06	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Endosulfan 2 (beta)	12/1/2001	11/30/2008	11	0.03			0.06	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: 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
Chronic Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	8	2.80			7.74	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	PCBs	12/1/2001	11/30/2008	1	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	14	2.53			37.83	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Endosulfan sulfate	12/1/2001	11/30/2008	11	0.03			0.06	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chlorpyrifos (Dursban)	12/1/2001	11/30/2008	10	0.02			0.04	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Dieldrin	12/1/2001	11/30/2008	11	0.00			0.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	27	4.48			478.74	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	27	7.55			190.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chlordane	12/1/2001	11/30/2008	11	0.00			0.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	27	2.09			523.19	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Demeton	12/1/2001	11/30/2008	10	0.05			0.10	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Methoxychlor	12/1/2001	11/30/2008	11	0.02			0.03	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	22	0.41			2.90	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Mirex	12/1/2001	11/30/2008	11	0.00			0.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Endrin	12/1/2001	11/30/2008	11	0.00			0.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Malathion	12/1/2001	11/30/2008	10	0.01			0.01	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	21	0.34			13.46	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Heptachlor	12/1/2001	11/30/2008	11	0.00			0.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Guthion	12/1/2001	11/30/2008	10	0.01			0.01	AD	FS	<input type="checkbox"/>	FS		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	1		0		17.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	1		0		207.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: 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
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2001	11/30/2008	1		0		140.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	1		0		28.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Copper	12/1/2001	11/30/2008	3		0		149.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chrysene	12/1/2001	11/30/2008	1		0		1,290.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chromium	12/1/2001	11/30/2008	3		0		111.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	1		0		61.80	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Cadmium	12/1/2001	11/30/2008	3		0		4.98	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2001	11/30/2008	1		0		1,450.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Arsenic	12/1/2001	11/30/2008	3		0		33.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Anthracene	12/1/2001	11/30/2008	1		0		845.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	1		0		80.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Acenaphthylene	12/1/2001	11/30/2008	1		0		130.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	1,4-Dichlorobenzene	12/1/2001	11/30/2008	1		0		4,650.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Acenaphthene	12/1/2001	11/30/2008	1		0		89.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Zinc	12/1/2001	11/30/2008	3		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Fluoranthene	12/1/2001	11/30/2008	1		0		2,230.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	1		0		31.30	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nitrobenzene	12/1/2001	11/30/2008	1		0		161.06	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	1		0		62.90	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Di-n-butyl phthalate	12/1/2001	11/30/2008	1		0		43.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	1		0		32.00	ID	NA	<input type="checkbox"/>	NA		



## 2010 Texas Water Quality Inventory: 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
Toxic Substances in sediment	gamma-BHC (Lindane)	12/1/2001	11/30/2008	1		0		4.99	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	beta-BHC	12/1/2001	11/30/2008	1		0		210.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	alpha-BHC	12/1/2001	11/30/2008	1		0		100.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	1,3-Dichlorobenzene	12/1/2001	11/30/2008	1		0		350.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Silver	12/1/2001	11/30/2008	3		0		2.20	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Pyrene	12/1/2001	11/30/2008	1		0		1,520.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Lead	12/1/2001	11/30/2008	3		0		128.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Fluorene	12/1/2001	11/30/2008	1		0		536.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Heptachlor epoxide	12/1/2001	11/30/2008	1		0		16.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	1		0		240.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2001	11/30/2008	1		0		1,050.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachloroethane	12/1/2001	11/30/2008	1		0		13,770.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Phenanthrene	12/1/2001	11/30/2008	1		0		1,170.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Manganese	12/1/2001	11/30/2008	3		0		1,100.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Mercury	12/1/2001	11/30/2008	2		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Naphthalene	12/1/2001	11/30/2008	1		0		561.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nickel	12/1/2001	11/30/2008	3		0		48.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	1		0		676.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachlorobutadiene (HCBD)	12/1/2001	11/30/2008	1		0		550.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

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

**USE** **Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	40		24	1454.3	394.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5c
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	40	491.58			126.00	AD	NS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	66		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	66		1	9.1	9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	66		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	235	448.08			550.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	258	1756.66			1,500.00	AD	NS	<input type="checkbox"/>	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2001	11/30/2008	231	425.30			300.00	AD	NS	<input type="checkbox"/>	NS	chloride	5c
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	46		13	3.75	1.95	AD	CS	<input type="checkbox"/>	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	44		31	1.12	0.37	AD	CS	<input type="checkbox"/>	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	47		22	4.92	0.33	AD	CS	<input type="checkbox"/>	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	44		31	1.64	0.69	AD	CS	<input type="checkbox"/>	CS	total phosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	43		34	71.41	14.10	AD	CS	<input type="checkbox"/>	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	Benzene	12/1/2001	11/30/2008	11	5.00			5.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2001	11/30/2008	11	1.00			2.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2001	11/30/2008	11	2.50			200.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2001	11/30/2008	11	5.00			5.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Nitrobenzene	12/1/2001	11/30/2008	11	2.60			37.30	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	1,1-Dichloroethylene	12/1/2001	11/30/2008	11	0.82			1.63	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2001	11/30/2008	11	5.00			5.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	DDE	12/1/2001	11/30/2008	11	0.00			0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2001	11/30/2008	11	1.88			3.76	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Hexachlorophene	12/1/2001	11/30/2008	10	0.03			0.05	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	11	2.89			953.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2001	11/30/2008	11	2.50			776.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2001	11/30/2008	11	2.50			100.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	1,2,4,5-Tetrachlorobenzene	12/1/2001	11/30/2008	11	0.12			0.24	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Cresols	12/1/2001	11/30/2008	11	5.20			3,313.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	8	0.47			1.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2001	11/30/2008	11	10.00			52,917.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	N-Nitrosodiethylamine	12/1/2001	11/30/2008	11	0.02			0.04	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	N-Nitroso-di-n-butylamine	12/1/2001	11/30/2008	11	0.92			1.84	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Pentachlorobenzene	12/1/2001	11/30/2008	11	2.60			6.10	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Silvex	12/1/2001	11/30/2008	10	0.26			47.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Pyridine	12/1/2001	11/30/2008	9	2.61			88.10	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	21	0.34			4.98	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2001	11/30/2008	11	0.01			0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2008	27	2.09			100.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	PCBs	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Dicofol (Kelthane)	12/1/2001	11/30/2008	11	0.11			0.22	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2001	11/30/2008	11	0.00			0.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Benzidine	12/1/2001	11/30/2008	11	0.00			0.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Benzo(a)anthracene	12/1/2001	11/30/2008	11	0.05			0.10	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Benzo(a)pyrene	12/1/2001	11/30/2008	11	0.05			0.10	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2001	11/30/2008	11	0.01			0.02	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2001	11/30/2008	11	0.64			1.28	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chrysene	12/1/2001	11/30/2008	11	0.21			0.42	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	DDD	12/1/2001	11/30/2008	11	0.01			0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2001	11/30/2008	11	0.00			0.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Endrin	12/1/2001	11/30/2008	11	0.03			1.27	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2001	11/30/2008	11	0.00			0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2001	11/30/2008	22	0.56			5.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	DDT	12/1/2001	11/30/2008	11	0.00			0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2001	11/30/2008	11	0.00			0.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	gamma-BHC (Lindane)	12/1/2001	11/30/2008	11	0.03			0.20	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2001	11/30/2008	11	5.00			5.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Methoxychlor	12/1/2001	11/30/2008	11	0.03			2.21	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2001	11/30/2008	10	2.61			84.20	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Hexachlorobutadiene (HCBD)	12/1/2001	11/30/2008	10	1.50			2.99	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	11	0.01			0.02	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Heptachlor epoxide	12/1/2001	11/30/2008	11	0.03			0.16	AD	FS	<input type="checkbox"/>	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	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	8	0.47			1.00	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Vinyl chloride	12/1/2001	11/30/2008	11	1.00			2.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	1,1,1-Trichloroethane	12/1/2001	11/30/2008	11	2.50			200.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Nitrobenzene	12/1/2001	11/30/2008	11	2.60			37.30	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	1,2-Dichloroethane	12/1/2001	11/30/2008	11	5.00			5.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Chlorobenzene	12/1/2001	11/30/2008	11	2.50			776.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Carbon tetrachloride	12/1/2001	11/30/2008	11	1.88			3.76	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Dicofol (Kelthane)	12/1/2001	11/30/2008	11	0.11			0.22	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	11	2.89			953.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	DDE	12/1/2001	11/30/2008	11	0.00			0.01	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	DDT	12/1/2001	11/30/2008	11	0.00			0.01	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Toxaphene	12/1/2001	11/30/2008	11	0.00			0.01	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Benzene	12/1/2001	11/30/2008	11	5.00			5.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Chloroform	12/1/2001	11/30/2008	11	2.50			100.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	1,2,4,5-Tetrachlorobenzene	12/1/2001	11/30/2008	11	0.12			0.24	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	1,2-Dibromoethane	12/1/2001	11/30/2008	11	0.01			0.01	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Cresols	12/1/2001	11/30/2008	11	5.20			3,313.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Hexachlorophene	12/1/2001	11/30/2008	10	0.03			0.05	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Methyl ethyl ketone	12/1/2001	11/30/2008	11	10.00			52,917.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	N-Nitrosodiethylamine	12/1/2001	11/30/2008	11	0.02			0.04	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	N-Nitroso-di-n-butylamine	12/1/2001	11/30/2008	11	0.92			1.84	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Pentachlorobenzene	12/1/2001	11/30/2008	11	2.60			6.10	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Silvex	12/1/2001	11/30/2008	10	0.26			47.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Pyridine	12/1/2001	11/30/2008	9	2.61			88.10	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	1,1-Dichloroethylene	12/1/2001	11/30/2008	11	0.82			1.63	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	gamma-BHC (Lindane)	12/1/2001	11/30/2008	11	0.03			0.20	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Trihalomethane	12/1/2001	11/30/2008	5	2.50			100.00	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Dieldrin	12/1/2001	11/30/2008	11	0.00			0.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Acrylonitrile	12/1/2001	11/30/2008	11	0.64			1.28	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Aldrin	12/1/2001	11/30/2008	11	0.00			0.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2001	11/30/2008	27	7.55			50.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2001	11/30/2008	6	70.17			2,000.00	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Benzidine	12/1/2001	11/30/2008	11	0.00			0.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Benzo(a)anthracene	12/1/2001	11/30/2008	11	0.05			0.10	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Benzo(a)pyrene	12/1/2001	11/30/2008	11	0.05			0.10	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2001	11/30/2008	22	0.56			5.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Chlordane	12/1/2001	11/30/2008	11	0.01			0.02	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2001	11/30/2008	8	2.62			75.00	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	DDD	12/1/2001	11/30/2008	11	0.01			0.01	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	11	0.03			1.27	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	47	0.72			4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Methoxychlor	12/1/2001	11/30/2008	11	0.03			2.21	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Trichloroethene	12/1/2001	11/30/2008	11	5.00			5.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2001	11/30/2008	19	0.34			50.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Chrysene	12/1/2001	11/30/2008	11	0.21			0.42	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	46	1.54			10,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Heptachlor	12/1/2001	11/30/2008	11	0.00			0.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2001	11/30/2008	21	0.34			4.98	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2001	11/30/2008	10	2.61			84.20	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Hexachlorobutadiene (HCBD)	12/1/2001	11/30/2008	10	1.50			2.99	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	11	0.01			0.02	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	2,4-D	12/1/2001	11/30/2008	10	0.26			70.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Heptachlor epoxide	12/1/2001	11/30/2008	11	0.03			0.16	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Tetrachloroethene	12/1/2001	11/30/2008	11	5.00			5.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	PCBs	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water Toxic Substances average concern	Alachlor	12/1/2001	11/30/2008	5	0.25			2.00	LD	NA	<input type="checkbox"/>	NA		
Surface Water Toxic Substances average concern	Atrazine	12/1/2001	11/30/2008	12	0.88			3.00	AD	NC	<input type="checkbox"/>	NC		
Surface Water Toxic Substances average concern	MTBE	12/1/2001	11/30/2008	17	2.60			240.00	AD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	74		3	2.57	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	74		2	2.15	3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	4		0		991.00	TR	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	4		0		3,706.71	TR	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	4		0		1,393.57	TR	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	4		0		360.00	TR	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	4	2.50			190.00	TR	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	4	5.00			523.19	TR	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	4	5.00			478.74	TR	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	5		0		28.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	5		0		62.90	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	5		0		32.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	5		0		676.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Mirex	12/1/2001	11/30/2008	5		0		1,300.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	5		0		240.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	5		0		61.80	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	5		0		31.30	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	5		0		17.60	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	5		0		80.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	5		0		207.00	LD	NC	<input type="checkbox"/>	NC		



## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

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

**USE** **Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	54		26	1018.625	394.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5c
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	54	342.68			126.00	AD	NS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	76		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	74		1	10	9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	74		1	6.2	6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	235	448.08			550.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	258	1756.66			1,500.00	AD	NS	<input type="checkbox"/>	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2001	11/30/2008	231	425.30			300.00	AD	NS	<input type="checkbox"/>	NS	chloride	5c
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	80		25	24.5	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	76		38	1.405	0.69	AD	CS	<input type="checkbox"/>	CS	total phosphorus	
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	79		29	1.605	0.33	AD	CS	<input type="checkbox"/>	CS	ammonia	
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	77		26	5.595	1.95	AD	CS	<input type="checkbox"/>	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	59		42	0.9	0.37	AD	CS	<input type="checkbox"/>	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	Chromium	12/1/2001	11/30/2008	4	5.00			100.00	TR	NA	<input type="checkbox"/>	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	12/1/2001	11/30/2008	77	2.14			10,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2001	11/30/2008	4	2.50			50.00	TR	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Fluoride	12/1/2001	11/30/2008	55	0.71			4.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

Segment New  
in 2010? No

**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	12/1/2001	11/30/2008	130		1	2.63	3.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	130		0		2.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	73		0		2,968.52	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	3		0		409.33	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	1		0		58.69	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	109		0		1,123.98	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	2		0		123.03	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	106		0		360.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	97		0		991.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	2	0.90			2.22	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	109	3.49			396.65	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	1	10.00			28.34	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	73	5.07			359.65	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	3	27.00			239.41	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	106	10.89			190.00	AD	FS	<input type="checkbox"/>	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	11/30/2008	106	340.72			605.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	139		1	37.61	33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	90		5	9.28	9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	101		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	142	1079.15			1,400.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	104	197.12			250.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	115	306.57			450.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	96		30	2.09	0.33	AD	CS	<input type="checkbox"/>	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	74		38	1.58	0.69	AD	CS	<input type="checkbox"/>	CS	total phosphorus	
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	89		18	1.11	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	91		30	4.82	1.95	AD	CS	<input type="checkbox"/>	CS	nitrate	
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	99		44	42.02	14.10	AD	CS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	2	0.90			5.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2008	109	3.49			100.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

Segment New  
in 2010? **No**

**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	12/1/2001	11/30/2008	21		0		6.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	21		0		4.00	AD	FS	<input type="checkbox"/>	FS		

**USE Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	16		0		394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	16	5.67	0		126.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	21		0		32.20	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	21		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	21		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	47	259.17			300.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	40	15.48			50.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	41	12.71			50.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	18		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	20		0		14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	20		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	20		0		1.95	AD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Nitrate	12/1/2001	11/30/2008	20	1.22			10,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	20	0.25			4.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	21		0		6.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	21		0		4.00	AD	FS	<input type="checkbox"/>	FS		

**USE** Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	14		0		394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	14	11.09			126.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	21		0		32.20	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	21		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	21		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	47	259.17			300.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	40	15.48			50.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	41	12.71			50.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	20		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	19		0		14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	18		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	19		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	20		0		1.95	AD	NC	<input type="checkbox"/>	NC		

**USE** Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	20	1.27			10,000.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID** **2309\_02** From Falls Canyon just below the Dolan Creek confluence upstream to Wallace 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	Fluoride	12/1/2001	11/30/2008	20	0.30			4.00	AD	FS	<input type="checkbox"/>	FS		

Segment New in 2010? **No** **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	12/1/2001	11/30/2008	22		0		6.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	22		0		4.00	AD	FS	<input type="checkbox"/>	FS		

**USE** **Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	16		0		394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	16	15.94				AD	FS	<input type="checkbox"/>	FS		

**USE** **General Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	20		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	18		0		14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	18		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	20		2	1.98	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	18		0		0.33	AD	NC	<input type="checkbox"/>	NC		



## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

Segment New  
in 2010? **No**

**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	12/1/2001	11/30/2008	50		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	50		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	1		0		2,774.42	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	1		0		0.80	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	1		0		611.97	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Selenium	12/1/2001	11/30/2008	1		0		20.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	1		0		7,549.03	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	1		0		118.88	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	1		0		305.47	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	38		0		360.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	1		0		991.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	1		0		901.12	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	1	8.50			755.89	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	38	1.34			190.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	1	4.00			503.76	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Selenium	12/1/2001	11/30/2008	1	0.55			5.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	1	0.50			26.77	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	1	3.00			60.01	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	1	2.21			4.43	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande 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
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	1	2.00			814.13	ID	NA	<input type="checkbox"/>	NA		

**USE** **Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	11		0		394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	11	3.61			126.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	50		0		33.30	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	48		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	48		1	6.39	6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	43	568.21			1,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	43	2806.84			4,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	43	909.12			1,700.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	14		2	18.9	14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	50		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	51		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	50		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	50		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Fish Kill Reports	Fish Kill Reports	12/1/2001	11/30/2008						OE	CN	<input type="checkbox"/>	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	Cadmium	12/1/2001	11/30/2008	1	2.50			5.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

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

**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	12/1/2001	11/30/2008	1	2.00			100.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	1	0.50			4.98	ID	NA	<input type="checkbox"/>	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	12/1/2001	11/30/2008	38	1.34			50.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2001	11/30/2008	1	2.50			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	14	0.80			4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2001	11/30/2008	1	0.50			4.98	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	51	0.59			10,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2001	11/30/2008	1	0.55			50.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	28		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	28		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	14		0		360.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	14		0		317.69	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	13		0		2,854.53	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	13		0		122.84	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	13		0		941.89	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	13		0		7,774.30	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Selenium	12/1/2001	11/30/2008	9		0		20.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	13		0		630.26	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	14		0		0.80	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	13		0		991.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	13	2.15			814.13	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	13	3.85			503.76	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Selenium	12/1/2001	11/30/2008	9	0.62			5.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	13	7.77			755.89	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	13	0.47			26.77	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	14	0.84			4.43	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	14	4.70			190.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	13	2.88			60.01	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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 Single Sample	E. coli	12/1/2001	11/30/2008	25		1	517	394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	25	34.27			126.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	28		0		33.30	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	27		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	27		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	43	2806.84			4,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	43	909.12			1,700.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	43	568.21			1,000.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	28		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	28		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	26		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	28		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	26		1	19.8	14.10	AD	NC	<input type="checkbox"/>	NC		
Fish Kill Reports	Fish Kill Reports	12/1/2001	11/30/2008						OE	CN	<input type="checkbox"/>	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	Cadmium	12/1/2001	11/30/2008	14	0.94			5.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2008	13	2.15			100.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	13	0.47			4.98	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	14	4.70			50.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2001	11/30/2008	9	0.62			50.00	LD	NC	<input type="checkbox"/>	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	28	0.60			10,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2001	11/30/2008	13	0.47			4.98	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2001	11/30/2008	14	0.94			5.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	28	1.10			4.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

Segment New  
in 2010? No

**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	12/1/2001	11/30/2008	24		0		6.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	24		0		4.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2001	11/30/2008	34		0		6.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2001	11/30/2008	34		0		4.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	9		0		360.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	9		0		117.52	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	9		0		1,386.58	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	9		0		53.53	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	8		0		306.60	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	9		0		3,687.51	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Selenium	12/1/2001	11/30/2008	6		0		20.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	9		0		298.61	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	9		0		0.80	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	9		0		991.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	9	2.50			26.88	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	9	3.33			227.16	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Selenium	12/1/2001	11/30/2008	6	0.58			5.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	8	0.44			8.09	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	9	0.50			2.12	LD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	9	2.64			190.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	9	6.50			341.26	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	9	2.00			377.00	LD	NC	<input type="checkbox"/>	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 Single Sample	E. coli	12/1/2001	11/30/2008	19		0		394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	19	11.87			126.00	AD	FS	<input type="checkbox"/>	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	Orthophosphorus	12/1/2001	11/30/2008	20		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	20		0		14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	22		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	22		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	22		0		0.69	AD	NC	<input type="checkbox"/>	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	12/1/2001	11/30/2008	9	2.00			3,320.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	8	0.44			25.30	LD	NC	<input type="checkbox"/>	NC		



## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

Segment New  
in 2010? **No**

**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	Sulfate	12/1/2001	11/30/2008	161	2534.95			3,500.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	165	9958.39			15,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	161	3944.42			7,000.00	AD	FS	<input type="checkbox"/>	FS		
Fish Kill Reports	Fish Kill Reports	12/1/2001	11/30/2008						OE	CN	<input type="checkbox"/>	CN	harmful algal bloom/golden alga	

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	27		1	4.4	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	27		0		3.00	AD	FS	<input type="checkbox"/>	FS		

**USE** Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	Fecal coliform	12/1/2001	11/30/2008	26		1	440	400.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	Fecal coliform	12/1/2001	11/30/2008	26	41.38			200.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	28		0		33.30	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	28		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	28		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	161	2534.95			3,500.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	165	9958.39			15,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	161	3944.42			7,000.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	29		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	29		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	28		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	29		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	29		12	24.62	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Fish Kill Reports	Fish Kill Reports	12/1/2001	11/30/2008						OE	CN	<input type="checkbox"/>	CN	harmful algal bloom/golden alga	

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID** **2311\_03** From US Hwy 67 upstream to FM 1776

**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	11/30/2008	26		4	3.78	5.00	AD	CS	<input type="checkbox"/>	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	26		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2001	11/30/2008	10		0		5.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2001	11/30/2008	10		5	1.28	3.00	AD	NS	<input type="checkbox"/>	NS	depressed dissolved oxygen	5c
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	6		0		445.52	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	10		0		0.80	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	11		0		2,044.43	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Selenium	12/1/2001	11/30/2008	12		0		20.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	8		0		5,518.37	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	11		0		8,902.57	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	10		0		1,521.79	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	10		0		360.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	11		0		991.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	11		0		25,172.52	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	11	2.50			2,088.79	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	10	26.63			190.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	11	2.00			1,394.24	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Selenium	12/1/2001	11/30/2008	12	0.40			5.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	6	5.25			167.53	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	10	1.07			11.38	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	11	2.00			2,177.91	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID** 2311\_03 From US Hwy 67 upstream to FM 1776

**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	Lead	12/1/2001	11/30/2008	8	0.58			123.56	LD	NC	<input type="checkbox"/>	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 Single Sample	Fecal coliform	12/1/2001	11/30/2008	25		0		400.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	Fecal coliform	12/1/2001	11/30/2008	25	12.78			200.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	25		0		33.30	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	25		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	25		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	165	9958.39			15,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	161	3944.42			7,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	161	2534.95			3,500.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	25		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	25		10	24.1	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	37		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	39		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	40		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Fish Kill Reports	Fish Kill Reports	12/1/2001	11/30/2008						OE	CN	<input type="checkbox"/>	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	12/1/2001	11/30/2008	11	2.00			3,320.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID** 2311\_03 From US Hwy 67 upstream to FM 1776

**USE** Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	8	0.58			25.30	LD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID**

**2311\_04**

From FM 1776 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 grab screening level	Dissolved Oxygen Grab	12/1/2001	11/30/2008	28		1	2.3	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	28		1	2.3	3.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2001	11/30/2008	12		1	4.9	5.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2001	11/30/2008	12		7	1.64	3.00	AD	NS	<input type="checkbox"/>	NS	depressed dissolved oxygen	5c
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	12		0		14,251.16	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	12		0		1,156.42	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	12		0		360.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Selenium	12/1/2001	11/30/2008	13		0		20.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	12		0		0.80	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	9		0		400.71	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	12		0		712.72	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	12		0		991.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	12		0		5,132.45	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	11		0		2,344.38	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	12	19.90			190.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	12	0.80			11.38	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	12	2.00			2,177.91	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	9	3.12			167.53	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	11	0.71			123.56	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	12	2.50			2,088.79	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Selenium	12/1/2001	11/30/2008	13	0.17			5.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID** 2311\_04 From FM 1776 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
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	12	2.00			1,394.24	AD	FS	<input type="checkbox"/>	FS		

**USE** Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	Fecal coliform	12/1/2001	11/30/2008	27		0		400.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	Fecal coliform	12/1/2001	11/30/2008	27	10.54			200.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	28		0		33.30	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	27		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	27		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	165	9958.39			15,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	161	3944.42			7,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	161	2534.95			3,500.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	37		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	27		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	35		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	37		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	27		8	24.24	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Fish Kill Reports	Fish Kill Reports	12/1/2001	11/30/2008						OE	CN	<input type="checkbox"/>	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	12/1/2001	11/30/2008	11	0.71			25.30	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID** 2311\_04 From FM 1776 upstream to US Hwy 80 (Bus 20)

**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	12/1/2001	11/30/2008	12	2.00			3,320.00	AD	FS	<input type="checkbox"/>	FS		



## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	9		0		5.00	LD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	9		0		3.00	LD	NC	<input type="checkbox"/>	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 Single Sample	E. coli	12/1/2001	11/30/2008	7		2	1986		LD	NC	<input type="checkbox"/>	NC		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	7	141.60				LD	CN	<input type="checkbox"/>	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	12/1/2001	11/30/2008	10		0		33.30	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	10		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	10		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	165	9958.39			15,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	161	3944.42			7,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	161	2534.95			3,500.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	8		2	54.1	14.10	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	29		1	3.7	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	8		0		0.37	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	28		1	0.4	0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	29		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Fish Kill Reports	Fish Kill Reports	12/1/2001	11/30/2008						OE	CN	<input type="checkbox"/>	CN	harmful algal bloom/golden alga	

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Chloride	12/1/2001	11/30/2008	161	3944.42			7,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	161	2534.95			3,500.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	165	9958.39			15,000.00	AD	FS	<input type="checkbox"/>	FS		
Fish Kill Reports	Fish Kill Reports	12/1/2001	11/30/2008						OE	CN	<input type="checkbox"/>	CN	harmful algal bloom/golden alga	

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	10		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	10		0		3.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	10		0		33.30	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	10		1	9.38	9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	10		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	165	9958.39			15,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	161	3944.42			7,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	161	2534.95			3,500.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	7		1	0.9	0.37	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	8		2	0.37	0.33	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	8		2	1.24	0.69	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	7		2	20.75	14.10	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	8		1	4.7	1.95	LD	NC	<input type="checkbox"/>	NC		
Fish Kill Reports	Fish Kill Reports	12/1/2001	11/30/2008						OE	CN	<input type="checkbox"/>	CN	harmful algal bloom/golden alga	

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	27		4	4.13	5.00	AD	CS	<input type="checkbox"/>	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	27		0		3.00	AD	FS	<input type="checkbox"/>	FS		

**USE** Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	Fecal coliform	12/1/2001	11/30/2008	25		0		400.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	Fecal coliform	12/1/2001	11/30/2008	25	15.15			200.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	27		0		33.30	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	26		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	26		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	165	9958.39			15,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	161	3944.42			7,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	161	2534.95			3,500.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	26		12	34.41	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	26		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	25		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	26		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	25		2	0.47	0.33	AD	NC	<input type="checkbox"/>	NC		
Fish Kill Reports	Fish Kill Reports	12/1/2001	11/30/2008						OE	CN	<input type="checkbox"/>	CN	harmful algal bloom/golden alga	

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

Segment New  
in 2010? No

**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	12/1/2001	11/30/2008	16		1	4.42	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	16		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	4		0		37.04	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Selenium	12/1/2001	11/30/2008	3		0		20.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	1		0		2,279.66	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	gamma-BHC (Lindane)	12/1/2001	11/30/2008	5		0		2.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Toxaphene	12/1/2001	11/30/2008	5		0		0.78	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	DDT	12/1/2001	11/30/2008	5		0		1.10	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Dicofol (Kelthane)	12/1/2001	11/30/2008	5		0		59.30	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2001	11/30/2008	5		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endosulfan sulfate	12/1/2001	11/30/2008	5		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	5		0		136.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	1		0		0.80	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Phenanthrene	12/1/2001	11/30/2008	5		0		30.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Dieldrin	12/1/2001	11/30/2008	5		0		2.50	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endosulfan 2 (beta)	12/1/2001	11/30/2008	5		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	1		0		991.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Heptachlor	12/1/2001	11/30/2008	5		0		0.52	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Aldrin	12/1/2001	11/30/2008	5		0		3.00	LD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Parathion	12/1/2001	11/30/2008	1		0		0.07	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	1		0		360.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	1		0		1,759.22	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Carbaryl (Sevin)	12/1/2001	11/30/2008	1		0		2.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chlordane	12/1/2001	11/30/2008	5		0		2.40	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	1		0		9,890.83	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	1		0		513.12	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Endrin	12/1/2001	11/30/2008	5		0		0.18	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	1		0		6,499.36	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	1		0		28,064.10	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2001	11/30/2008	5		0		0.08	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Endosulfan sulfate	12/1/2001	11/30/2008	5	0.03			0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Parathion	12/1/2001	11/30/2008	1	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Phenanthrene	12/1/2001	11/30/2008	5	2.63			30.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Selenium	12/1/2001	11/30/2008	3	0.37			5.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	1	8.00			1,232.05	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	gamma-BHC (Lindane)	12/1/2001	11/30/2008	5	0.03			0.08	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Toxaphene	12/1/2001	11/30/2008	5	0.00			0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	DDT	12/1/2001	11/30/2008	5	0.00			0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Dicofol (Kelthane)	12/1/2001	11/30/2008	5	2.63			19.80	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	5	2.95			64.00	LD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Endosulfan 2 (beta)	12/1/2001	11/30/2008	5	0.03			0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	4	3.14			10.46	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	1	17.50			1,846.15	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	1	6.00			147.89	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2001	11/30/2008	5	0.03			0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	1	4.00			1,932.52	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Mirex	12/1/2001	11/30/2008	4	0.00			0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Dieldrin	12/1/2001	11/30/2008	5	0.00			0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	1	5.07			10.14	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chlordane	12/1/2001	11/30/2008	5	0.00			0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Chlorpyrifos (Dursban)	12/1/2001	11/30/2008	5	0.02			0.04	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	1	7.87			190.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Demeton	12/1/2001	11/30/2008	3	0.05			0.10	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Endrin	12/1/2001	11/30/2008	5	0.00			0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Guthion	12/1/2001	11/30/2008	3	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Heptachlor	12/1/2001	11/30/2008	5	0.00			0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	1	0.50			102.61	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Malathion	12/1/2001	11/30/2008	5	0.01			0.01	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Methoxychlor	12/1/2001	11/30/2008	5	0.02			0.03	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	1,2-Dichloroethene (trans)	12/1/2001	11/30/2008	4		0		71,840.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Acetone	12/1/2001	11/30/2008	1		0		367,990.00	ID	NA	<input type="checkbox"/>	NA		

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**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	1,1-Dichloroethane	12/1/2001	11/30/2008	4		0		13,890.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Dichlorodifluoromethane	12/1/2001	11/30/2008	1		0		22,090.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Carbon tetrachloride	12/1/2001	11/30/2008	4		0		37,330.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Benzene	12/1/2001	11/30/2008	4		0		45,010.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	1,2-Dichloroethane	12/1/2001	11/30/2008	4		0		28,690.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	4		0		62.90	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Di-n-butyl phthalate	12/1/2001	11/30/2008	4		0		43.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	4		0		32.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	gamma-BHC (Lindane)	12/1/2001	11/30/2008	4		0		4.99	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	1,2-Dichloropropane	12/1/2001	11/30/2008	4		0		13,170.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	alpha-BHC	12/1/2001	11/30/2008	4		0		100.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Toluene	12/1/2001	11/30/2008	4		0		17,290.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2001	11/30/2008	4		0		1,050.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Iron	12/1/2001	11/30/2008	8		0		40,000.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	beta-BHC	12/1/2001	11/30/2008	4		0		210.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	1,1,1-Trichloroethane	12/1/2001	11/30/2008	4		0		24,800.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	1,3-Dichlorobenzene	12/1/2001	11/30/2008	3		0		350.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Carbon disulfide	12/1/2001	11/30/2008	1		0		780.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chloroform	12/1/2001	11/30/2008	4		0		5,630.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	4		0		31.30	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Xylene	12/1/2001	11/30/2008	4		0		12,010.00	LD	NC	<input type="checkbox"/>	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	Vinyl chloride	12/1/2001	11/30/2008	4		0		11,780.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	1,1,2,2-Tetrachloroethane	12/1/2001	11/30/2008	4		0		3,800.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	1,1,2-Trichloroethane	12/1/2001	11/30/2008	4		0		5,880.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Ethylbenzene	12/1/2001	11/30/2008	4		0		17,180.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Bromoform	12/1/2001	11/30/2008	4		0		1,310.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Tetrachloroethene	12/1/2001	11/30/2008	4		0		10,050.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Styrene	12/1/2001	11/30/2008	1		0		61,420.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nitrobenzene	12/1/2001	11/30/2008	3		0		161.06	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Methylene chloride	12/1/2001	11/30/2008	4		1	68.2	46.52	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	4-Methyl-2-Pentanone (MIBK)	12/1/2001	11/30/2008	1		0		116,590.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Trichlorofluoromethane	12/1/2001	11/30/2008	1		0		10,120.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	4		0		17.60	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Zinc	12/1/2001	11/30/2008	10		0		459.00	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	4		0		61.80	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2001	11/30/2008	4		0		140.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	4		0		28.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Copper	12/1/2001	11/30/2008	10		0		149.00	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Chrysene	12/1/2001	11/30/2008	4		0		1,290.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Fluoranthene	12/1/2001	11/30/2008	4		0		2,230.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Chloromethane	12/1/2001	11/30/2008	4		0		10,680.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Fluorene	12/1/2001	11/30/2008	4		0		536.00	LD	NC	<input type="checkbox"/>	NC		

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**Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Cadmium	12/1/2001	11/30/2008	10		0		4.98	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2001	11/30/2008	4		0		1,450.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Arsenic	12/1/2001	11/30/2008	10		0		33.00	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Anthracene	12/1/2001	11/30/2008	4		0		845.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	4		0		80.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Acrylonitrile	12/1/2001	11/30/2008	4		0		1,360.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Acenaphthylene	12/1/2001	11/30/2008	4		0		130.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Chromium	12/1/2001	11/30/2008	10		0		111.00	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Manganese	12/1/2001	11/30/2008	10		0		1,100.00	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Trichloroethene	12/1/2001	11/30/2008	4		0		5,070.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Silver	12/1/2001	11/30/2008	10		0		2.20	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Pyrene	12/1/2001	11/30/2008	4		0		1,520.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Phenanthrene	12/1/2001	11/30/2008	4		0		1,170.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	3		0		676.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nickel	12/1/2001	11/30/2008	10		0		48.60	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	4		0		207.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Mercury	12/1/2001	11/30/2008	9		0		459.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Acenaphthene	12/1/2001	11/30/2008	4		0		89.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Lead	12/1/2001	11/30/2008	10		0		128.00	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Hexachloroethane	12/1/2001	11/30/2008	3		0		13,770.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	1,4-Dichlorobenzene	12/1/2001	11/30/2008	3		0		4,650.00	ID	NA	<input type="checkbox"/>	NA		

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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
Toxic Substances in sediment	Hexachlorobutadiene (HCBD)	12/1/2001	11/30/2008	3		0		550.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chlorobenzene	12/1/2001	11/30/2008	4		0		19,870.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	4		0		240.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Heptachlor epoxide	12/1/2001	11/30/2008	4		0		16.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Naphthalene	12/1/2001	11/30/2008	3		0		561.00	ID	NA	<input type="checkbox"/>	NA		

**USE** Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	Fecal coliform	12/1/2001	11/30/2008	15		0		400.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	Fecal coliform	12/1/2001	11/30/2008	15	1.20			200.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	16		0		32.20	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	15		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	15		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	30	6292.73			9,400.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	27	2233.22			3,200.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	27	1864.81			2,200.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	15		0		0.20	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	15		6	46.45	26.70	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	15		4	0.17	0.11	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	15		0		0.05	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	14		1	0.46	0.37	AD	NC	<input type="checkbox"/>	NC		

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<b>USE</b>	<b>General Use</b>
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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
Fish Kill Reports	Fish Kill Reports	12/1/2001	11/30/2008						OE	CN	<input type="checkbox"/>	CN	harmful algal bloom/golden alga	

<b>USE</b>	<b>Fish Consumption Use</b>
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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	N-Nitrosodiethylamine	12/1/2001	11/30/2008	5	3.84			7.68	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2001	11/30/2008	5	2.50			12,586.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Pyridine	12/1/2001	11/30/2008	4	2.62			13,333.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2001	11/30/2008	5	2.50			8.40	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2001	11/30/2008	5	2.50			612.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2001	11/30/2008	5	2.50			1,380.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Benzene	12/1/2001	11/30/2008	5	2.50			106.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2001	11/30/2008	5	2.50			73.90	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2001	11/30/2008	5	2.50			5.84	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Nitrobenzene	12/1/2001	11/30/2008	4	2.62			233.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2001	11/30/2008	5	2.50			323.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2001	11/30/2008	5	2.50			415.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	DDE	12/1/2001	11/30/2008	5	0.00			0.01	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2001	11/30/2008	5	2.50			1,292.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	1,2,4,5-Tetrachlorobenzene	12/1/2001	11/30/2008	5	0.12			0.24	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2001	11/30/2008	5	1.23			0.34	LD	CN	<input type="checkbox"/>	CN	1,2-Dibromoethane in water	
HH Bioaccumulative Toxics in water	Cresols	12/1/2001	11/30/2008	5	13.47			13,116.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2001	11/30/2008	5	13.46			#####	LD	NC	<input type="checkbox"/>	NC		

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**Fish Consumption Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	N-Nitroso-di-n-butylamine	12/1/2001	11/30/2008	5	2.63			13.50	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Pentachlorobenzene	12/1/2001	11/30/2008	5	2.63			6.68	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Silvex	12/1/2001	11/30/2008	4	0.27			50.30	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	5	2.95			1,069.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Hexachlorophene	12/1/2001	11/30/2008	4	0.03			0.05	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Benzo(a)anthracene	12/1/2001	11/30/2008	5	0.41			0.81	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2001	11/30/2008	5	0.01			0.01	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	4	3.14			135.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2001	11/30/2008	5	5.45			10.90	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Benzidine	12/1/2001	11/30/2008	5	0.00			0.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Benzo(a)pyrene	12/1/2001	11/30/2008	5	0.41			0.81	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2001	11/30/2008	5	0.01			0.02	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2008	1	4.00			3,320.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chrysene	12/1/2001	11/30/2008	5	2.63			8.10	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	DDD	12/1/2001	11/30/2008	5	0.01			0.01	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2001	11/30/2008	5	0.00			0.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Methoxychlor	12/1/2001	11/30/2008	5	0.13			2.22	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	DDT	12/1/2001	11/30/2008	5	0.00			0.01	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2001	11/30/2008	5	0.00			0.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Dicofol (Kelthane)	12/1/2001	11/30/2008	5	0.11			0.22	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Endrin	12/1/2001	11/30/2008	5	0.13			1.34	LD	NC	<input type="checkbox"/>	NC		

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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	gamma-BHC (Lindane)	12/1/2001	11/30/2008	5	0.13			2.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	1	0.50			25.30	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2001	11/30/2008	4	2.62			278.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Hexachlorobutadiene (HCBD)	12/1/2001	11/30/2008	4	1.80			3.60	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	4	0.01			0.02	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2001	11/30/2008	5	0.13			1.10	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2001	11/30/2008	5	0.00			0.00	LD	NC	<input type="checkbox"/>	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
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2001	11/30/2008	14		1	2.2	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	14		1	2.2	3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Phenanthrene	12/1/2001	11/30/2008	5		0		30.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	DDT	12/1/2001	11/30/2008	5		0		1.10	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	gamma-BHC (Lindane)	12/1/2001	11/30/2008	5		0		2.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Toxaphene	12/1/2001	11/30/2008	5		0		0.78	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	1		0		1,038.98	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Dicofol (Kelthane)	12/1/2001	11/30/2008	5		0		59.30	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2001	11/30/2008	5		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endosulfan 2 (beta)	12/1/2001	11/30/2008	5		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endosulfan sulfate	12/1/2001	11/30/2008	5		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	5		0		136.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	1		0		0.80	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Parathion	12/1/2001	11/30/2008	1		0		0.07	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	1		0		4,627.72	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	4		0		33.50	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	1		0		360.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Dieldrin	12/1/2001	11/30/2008	5		0		2.50	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	1		0		12,805.93	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	1		0		991.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	1		0		618.02	ID	NA	<input type="checkbox"/>	NA		

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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
Acute Toxic Substances in water	Carbaryl (Sevin)	12/1/2001	11/30/2008	1		0		2.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chlordane	12/1/2001	11/30/2008	5		0		2.40	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2001	11/30/2008	5		0		0.08	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	1		0		214.16	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Endrin	12/1/2001	11/30/2008	5		0		0.18	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Heptachlor	12/1/2001	11/30/2008	5		0		0.52	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	1		0		1,995.95	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Aldrin	12/1/2001	11/30/2008	5		0		3.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	1	8.50			1,846.15	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Toxaphene	12/1/2001	11/30/2008	5	0.00			0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Parathion	12/1/2001	11/30/2008	1	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Guthion	12/1/2001	11/30/2008	3	0.01			0.01	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Phenanthrene	12/1/2001	11/30/2008	5	2.64			30.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	1	4.00			1,232.05	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	gamma-BHC (Lindane)	12/1/2001	11/30/2008	5	0.03			0.08	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	DDT	12/1/2001	11/30/2008	5	0.00			0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Dicofol (Kelthane)	12/1/2001	11/30/2008	5	2.59			19.80	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2001	11/30/2008	5	0.03			0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Endosulfan 2 (beta)	12/1/2001	11/30/2008	5	0.03			0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Endosulfan sulfate	12/1/2001	11/30/2008	5	0.03			0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	5	2.96			64.00	LD	NC	<input type="checkbox"/>	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	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	4	3.15			10.46	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	1	2.00			1,932.52	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Mirex	12/1/2001	11/30/2008	4	0.00			0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	1	5.91			190.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	1	3.50			10.14	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2001	11/30/2008	5	0.02			0.04	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	1	3.00			147.89	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Demeton	12/1/2001	11/30/2008	3	0.05			0.10	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Dieldrin	12/1/2001	11/30/2008	5	0.00			0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Endrin	12/1/2001	11/30/2008	5	0.00			0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	1	0.50			102.61	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Heptachlor	12/1/2001	11/30/2008	5	0.00			0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Malathion	12/1/2001	11/30/2008	5	0.01			0.01	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Methoxychlor	12/1/2001	11/30/2008	5	0.02			0.03	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Chlordane	12/1/2001	11/30/2008	5	0.00			0.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Iron	12/1/2001	11/30/2008	8		0		40,000.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Acetone	12/1/2001	11/30/2008	1		0		367,990.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	1,2-Dichloroethane	12/1/2001	11/30/2008	5		0		28,690.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	1,1-Dichloroethane	12/1/2001	11/30/2008	5		0		13,890.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Dichlorodifluoromethane	12/1/2001	11/30/2008	1		0		22,090.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chlorobenzene	12/1/2001	11/30/2008	5		0		19,870.00	LD	NC	<input type="checkbox"/>	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	Carbon disulfide	12/1/2001	11/30/2008	1		0		780.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	5		0		62.90	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Di-n-butyl phthalate	12/1/2001	11/30/2008	5		0		43.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	5		0		32.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	gamma-BHC (Lindane)	12/1/2001	11/30/2008	5		0		4.99	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	beta-BHC	12/1/2001	11/30/2008	5		0		210.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	1,2-Dichloroethene (trans)	12/1/2001	11/30/2008	5		0		71,840.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2001	11/30/2008	5		0		1,050.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Tetrachloroethene	12/1/2001	11/30/2008	5		0		10,050.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	alpha-BHC	12/1/2001	11/30/2008	5		0		100.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Toluene	12/1/2001	11/30/2008	5		0		17,290.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Chloroform	12/1/2001	11/30/2008	5		0		5,630.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	5		0		31.30	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Xylene	12/1/2001	11/30/2008	5		0		12,010.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Vinyl chloride	12/1/2001	11/30/2008	5		0		11,780.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Trichlorofluoromethane	12/1/2001	11/30/2008	1		0		10,120.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	1,1,2-Trichloroethane	12/1/2001	11/30/2008	5		0		5,880.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Styrene	12/1/2001	11/30/2008	1		0		61,420.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Bromoform	12/1/2001	11/30/2008	5		0		1,310.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	1,2-Dichloropropane	12/1/2001	11/30/2008	5		0		13,170.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Benzene	12/1/2001	11/30/2008	5		0		45,010.00	LD	NC	<input type="checkbox"/>	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	1,1,2,2-Tetrachloroethane	12/1/2001	11/30/2008	5		0		3,800.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	1,3-Dichlorobenzene	12/1/2001	11/30/2008	4		0		350.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Nitrobenzene	12/1/2001	11/30/2008	4		0		161.06	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Methylene chloride	12/1/2001	11/30/2008	5		1	58.1	46.52	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	4-Methyl-2-Pentanone (MIBK)	12/1/2001	11/30/2008	1		0		116,590.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Ethylbenzene	12/1/2001	11/30/2008	5		0		17,180.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	1,1,1-Trichloroethane	12/1/2001	11/30/2008	5		0		24,800.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Cadmium	12/1/2001	11/30/2008	11		0		4.98	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Zinc	12/1/2001	11/30/2008	11		0		459.00	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2001	11/30/2008	5		0		140.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	5		0		28.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Copper	12/1/2001	11/30/2008	11		0		149.00	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Chrysene	12/1/2001	11/30/2008	5		0		1,290.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Chromium	12/1/2001	11/30/2008	11		0		111.00	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	5		0		207.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	5		0		17.60	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Fluoranthene	12/1/2001	11/30/2008	5		0		2,230.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2001	11/30/2008	5		0		1,450.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Arsenic	12/1/2001	11/30/2008	11		0		33.00	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Anthracene	12/1/2001	11/30/2008	5		0		845.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	5		0		80.00	LD	NC	<input type="checkbox"/>	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	Acrylonitrile	12/1/2001	11/30/2008	5		0		1,360.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Acenaphthylene	12/1/2001	11/30/2008	5		0		130.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Acenaphthene	12/1/2001	11/30/2008	5		0		89.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Chloromethane	12/1/2001	11/30/2008	5		0		10,680.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Manganese	12/1/2001	11/30/2008	11		0		1,100.00	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Trichloroethene	12/1/2001	11/30/2008	5		0		5,070.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Silver	12/1/2001	11/30/2008	11		0		2.20	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Pyrene	12/1/2001	11/30/2008	5		0		1,520.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Phenanthrene	12/1/2001	11/30/2008	5		0		1,170.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	4		0		676.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Nickel	12/1/2001	11/30/2008	11		0		48.60	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	5		0		61.80	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Mercury	12/1/2001	11/30/2008	10		0		459.00	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	1,4-Dichlorobenzene	12/1/2001	11/30/2008	4		0		4,650.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Lead	12/1/2001	11/30/2008	11		0		128.00	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Carbon tetrachloride	12/1/2001	11/30/2008	5		0		37,330.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Hexachloroethane	12/1/2001	11/30/2008	4		0		13,770.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Hexachlorobutadiene (HCBD)	12/1/2001	11/30/2008	4		0		550.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	5		0		240.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Heptachlor epoxide	12/1/2001	11/30/2008	5		0		16.00	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Fluorene	12/1/2001	11/30/2008	5		0		536.00	LD	NC	<input type="checkbox"/>	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
Toxic Substances in sediment	Naphthalene	12/1/2001	11/30/2008	4		0		561.00	LD	NC	<input type="checkbox"/>	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 Single Sample	Fecal coliform	12/1/2001	11/30/2008	13		0		400.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	Fecal coliform	12/1/2001	11/30/2008	13	5.14			200.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	14		0		32.20	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	13		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	13		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	30	6292.73			9,400.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	27	2233.22			3,200.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	27	1864.81			2,200.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	12		0		0.20	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	12		7	53.19	26.70	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	12		1	0.33	0.11	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	12		0		0.05	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	11		4	1.05	0.37	AD	CS	<input type="checkbox"/>	CS	nitrate	
Fish Kill Reports	Fish Kill Reports	12/1/2001	11/30/2008						OE	CN	<input type="checkbox"/>	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	N-Nitrosodiethylamine	12/1/2001	11/30/2008	5	3.84			7.68	LD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Vinyl chloride	12/1/2001	11/30/2008	5	2.50			415.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Pyridine	12/1/2001	11/30/2008	4	2.62			13,333.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2001	11/30/2008	5	2.50			8.40	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2001	11/30/2008	5	2.50			1,380.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2001	11/30/2008	5	2.50			73.90	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	5	2.96			1,069.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2001	11/30/2008	5	2.50			5.84	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Nitrobenzene	12/1/2001	11/30/2008	4	2.62			233.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2001	11/30/2008	5	2.50			323.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2001	11/30/2008	5	2.50			12,586.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	DDE	12/1/2001	11/30/2008	5	0.00			0.01	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2001	11/30/2008	5	2.50			1,292.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	1,2,4,5-Tetrachlorobenzene	12/1/2001	11/30/2008	5	0.12			0.24	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2001	11/30/2008	5	0.17			0.34	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Cresols	12/1/2001	11/30/2008	5	5.28			13,116.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2001	11/30/2008	4	10.00			#####	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	N-Nitroso-di-n-butylamine	12/1/2001	11/30/2008	5	2.64			13.50	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Pentachlorobenzene	12/1/2001	11/30/2008	5	2.64			6.68	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Silvex	12/1/2001	11/30/2008	4	0.27			50.30	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	4	3.15			135.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Hexachlorophene	12/1/2001	11/30/2008	4	0.03			0.05	LD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	Benzidine	12/1/2001	11/30/2008	5	0.00			0.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Dicofol (Kelthane)	12/1/2001	11/30/2008	5	0.11			0.22	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Benzene	12/1/2001	11/30/2008	5	2.50			106.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2001	11/30/2008	5	0.00			0.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Benzo(a)anthracene	12/1/2001	11/30/2008	5	0.41			0.81	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Benzo(a)pyrene	12/1/2001	11/30/2008	5	0.41			0.81	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2001	11/30/2008	5	0.01			0.02	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2008	1	2.00			3,320.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chrysene	12/1/2001	11/30/2008	5	2.64			8.10	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	DDD	12/1/2001	11/30/2008	5	0.01			0.01	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2001	11/30/2008	5	0.00			0.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Endrin	12/1/2001	11/30/2008	5	0.13			1.34	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2001	11/30/2008	5	0.01			0.01	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2001	11/30/2008	5	0.13			1.10	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	4	0.01			0.02	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Hexachlorobutadiene (HCBd)	12/1/2001	11/30/2008	4	1.80			3.60	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2001	11/30/2008	4	2.62			278.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	1	0.50			25.30	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Methoxychlor	12/1/2001	11/30/2008	5	0.13			2.22	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2001	11/30/2008	5	2.50			612.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	DDT	12/1/2001	11/30/2008	5	0.00			0.01	LD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	gamma-BHC (Lindane)	12/1/2001	11/30/2008	5	0.13			2.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2001	11/30/2008	4	5.45			10.90	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2001	11/30/2008	5	0.00			0.00	LD	NC	<input type="checkbox"/>	NC		



## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

Segment New  
in 2010? **No**

**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	12/1/2001	11/30/2008	41		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	41		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Toxic Substances in sediment	alpha-BHC	12/1/2001	11/30/2008	1		0		100.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Phenanthrene	12/1/2001	11/30/2008	1		0		1,170.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDE	12/1/2001	11/30/2008	1		0		31.30	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Pyrene	12/1/2001	11/30/2008	1		0		1,520.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	1,3-Dichlorobenzene	12/1/2001	11/30/2008	1		0		350.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2001	11/30/2008	1		0		1,050.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Naphthalene	12/1/2001	11/30/2008	1		0		561.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	PCBs	12/1/2001	11/30/2008	1		0		676.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	beta-BHC	12/1/2001	11/30/2008	1		0		210.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	gamma-BHC (Lindane)	12/1/2001	11/30/2008	1		0		4.99	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Toxaphene	12/1/2001	11/30/2008	1		0		32.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Di-n-butyl phthalate	12/1/2001	11/30/2008	1		0		43.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nitrobenzene	12/1/2001	11/30/2008	1		0		161.06	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachloroethane	12/1/2001	11/30/2008	1		0		13,770.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Anthracene	12/1/2001	11/30/2008	1		0		845.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDT	12/1/2001	11/30/2008	1		0		62.90	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chrysene	12/1/2001	11/30/2008	1		0		1,290.00	ID	NA	<input type="checkbox"/>	NA		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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
Toxic Substances in sediment	1,4-Dichlorobenzene	12/1/2001	11/30/2008	1		0		4,650.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Acenaphthene	12/1/2001	11/30/2008	1		0		89.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Acenaphthylene	12/1/2001	11/30/2008	1		0		130.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Aldrin	12/1/2001	11/30/2008	1		0		80.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chlordane	12/1/2001	11/30/2008	1		0		17.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2001	11/30/2008	1		0		1,450.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachlorobutadiene (HCBD)	12/1/2001	11/30/2008	1		0		550.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	DDD	12/1/2001	11/30/2008	1		0		28.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2001	11/30/2008	1		0		140.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dieldrin	12/1/2001	11/30/2008	1		0		61.80	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Endrin	12/1/2001	11/30/2008	1		0		207.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Fluoranthene	12/1/2001	11/30/2008	1		0		2,230.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Fluorene	12/1/2001	11/30/2008	1		0		536.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Heptachlor epoxide	12/1/2001	11/30/2008	1		0		16.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	1		0		240.00	ID	NA	<input type="checkbox"/>	NA		

**USE Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	34		6	1180.83	394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	34	76.39			126.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	41		0		32.20	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID** 2313\_01 From the Rio Grande confluence to the San Felipe Springs upstream of US Hwy 90

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
High pH	pH	12/1/2001	11/30/2008	41		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	41		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	41	17.95			50.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	41	18.85			50.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	42	286.58			400.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	40		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	40		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	40		1	0.55	0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	40		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	37		0		14.10	AD	NC	<input type="checkbox"/>	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	12/1/2001	11/30/2008	40	0.17			4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	40	1.65			10,000.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

Segment New  
in 2010? **No**

**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	12/1/2001	11/30/2008	82		1	4.9	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	82		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	1		0		90.91	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	52		0		1,143.12	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	49		0		360.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	45		2	1875	991.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	34		0		3,020.76	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	49	7.72			190.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	1	0.80			2.12	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	52	3.81			377.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	34	16.26			341.26	AD	FS	<input type="checkbox"/>	FS		

**USE Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	64		29	1109.37	394.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5c
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	64	319.04			126.00	AD	NS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	83		0		33.30	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	68		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	68		0		6.50	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**AUID** **2314\_01** From the International Dam upstream to the Anthony Drain 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	12/1/2001	11/30/2008	136	1097.13			1,800.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	114	225.01			340.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	115	323.00			600.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	62		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	65		30	35.16	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	53		9	1.37	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	69		11	1.05	0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	57		2	0.9	0.37	AD	NC	<input type="checkbox"/>	NC		

**USE** **Fish Consumption Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2001	11/30/2008	1	0.80			5.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2008	52	3.81			100.00	AD	FS	<input type="checkbox"/>	FS		

**USE** **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Arsenic	12/1/2001	11/30/2008	49	7.72			50.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2001	11/30/2008	52	83.88			2,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2001	11/30/2008	1	0.80			5.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	64	0.69			4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	62	0.46			10,000.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water Toxic Substances average concern	Alachlor	12/1/2001	11/30/2008	34	0.25			2.00	AD	NC	<input type="checkbox"/>	NC		
Surface Water Toxic Substances average concern	Atrazine	12/1/2001	11/30/2008	34	0.25			3.00	AD	NC	<input type="checkbox"/>	NC		
Surface Water Toxic Substances average concern	MTBE	12/1/2001	11/30/2008	34	3.15			240.00	AD	NC	<input type="checkbox"/>	NC		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

**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	12/1/2001	11/30/2008	25		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	25		0		3.00	AD	FS	<input type="checkbox"/>	FS		

**USE** Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	22		2	665.7	394.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	22	99.72			126.00	AD	FS	<input type="checkbox"/>	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	12/1/2001	11/30/2008	25		0		33.30	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2001	11/30/2008	25		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2001	11/30/2008	25		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	136	1097.13			1,800.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	114	225.01			340.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	115	323.00			600.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	25		1	2.05	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	25		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	25		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	25		1	1.46	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	25		9	34.52	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	

**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	12/1/2001	11/30/2008	25	0.59			10,000.00	AD	FS	<input type="checkbox"/>	FS		

## 2010 Texas Water Quality Inventory: Assessment Results for Basin 23 - Rio Grande River

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

**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	12/1/2001	11/30/2008	25	0.59			4.00	AD	FS	<input type="checkbox"/>	FS		