

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

Report Abbreviations	Description:		
<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 2012 period of record is from 12/1/2003 to 11/30/2010. Assessors have the option of going back 10 years (12/1/2000) to select more data, according to assessment guidance.		
<b>ASMT End Date</b>	The end date of the period of record data for this method was selected; the official 2012 period of record dates are 12/1/2003 to 11/30/2010. Assessors have the option of including more recently collected data than 12/01/2010, if available.		
<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>	<p><i>Dataset Qualifier - indicates sample sizes:</i></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <b>AD</b> = Adequate Data (10 or more samples)  <b>LD</b> = Limited Data (less than 9, greater than 3)  <b>ID</b> = Inadequate Data (less than 4)  <b>JQ</b> = Level of support is based on judgment of the assessor                 </td> <td style="width: 50%; vertical-align: top;"> <b>SM</b> = This assessment method is superseded by another method  <b>TR</b> = Temporally Not Representative, used with NA  <b>SR</b> = Spatially Not Representative, used with NA  <b>OE</b> = Other information than ambient samples evaluated, generally information is provided by outside entity                 </td> </tr> </table>	<b>AD</b> = Adequate Data (10 or more samples) <b>LD</b> = Limited Data (less than 9, greater than 3) <b>ID</b> = Inadequate Data (less than 4) <b>JQ</b> = Level of support is based on judgment of the assessor	<b>SM</b> = This assessment method is superseded by another method <b>TR</b> = Temporally Not Representative, used with NA <b>SR</b> = Spatially Not Representative, used with NA <b>OE</b> = Other information than ambient samples evaluated, generally information is provided by outside entity
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<b>LOS:</b>	<p><i>Level of support for this use, method, assessment parameter:</i></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <b>FS</b> = Fully Supporting  <b>NC</b> = No Concern  <b>NA</b> = Not Assessed                 </td> <td style="width: 50%; vertical-align: top;"> <b>NS</b> = Nonsupport  <b>CS</b> = Screening Level Concern  <b>CN</b> = Use Concern                 </td> </tr> </table>	<b>FS</b> = Fully Supporting <b>NC</b> = No Concern <b>NA</b> = Not Assessed	<b>NS</b> = Nonsupport <b>CS</b> = Screening Level Concern <b>CN</b> = Use Concern
<b>FS</b> = Fully Supporting <b>NC</b> = No Concern <b>NA</b> = Not Assessed	<b>NS</b> = Nonsupport <b>CS</b> = Screening Level Concern <b>CN</b> = Use Concern		
<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: PI = Pending Issue		
<b>TCEQ Cause</b>	This is the impairment description (e.g., bacteria, depressed dissolved oxygen, etc.)		
<b>Cat:</b>	<p><i>This is the assessment category assigned to this impairment. Subcategories as follows:</i></p> <p><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.</p> <p style="margin-left: 20px;"> <b>4a</b> - TMDL has been completed and approved by EPA. Category.  <b>4b</b> - Other pollution control requirements are reasonably expected to result in the attainment of the water quality standard in the near future.  <b>4c</b> - Nonsupport of the water quality standard is not caused by a pollutant.                 </p> <p><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.</p> <p style="margin-left: 20px;"> <b>5a</b> - A TMDL is underway, scheduled, or will be scheduled.  <b>5b</b> - A review of the water quality standards for this water body will be conducted before a TMDL is scheduled.  <b>5c</b> - Additional data and information will be collected before a TMDL is scheduled.                 </p>		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID 0201 Lower Red River**

**AUID 0201\_01** From the Arkansas state line upstream to the confluence with Walnut Bayou (Oklahoma stream)

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	23		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	23		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 Geomean	E. coli	12/1/2003	11/30/2010	22	37.60	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	12/1/2003	11/30/2010	24		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	24		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	24		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	25	644.28	0		1,100.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	24	154.42	0		375.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	24	138.00	0		250.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	21		16	37.87	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	23		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	23		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	24		1	0.45	0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	22		0		0.69	AD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** **0201\_01** From the Arkansas state line upstream to the confluence with Walnut Bayou (Oklahoma stream)

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

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	13	0.18	0		4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	14	0.11	0		10.00	AD	FS	<input type="checkbox"/>	FS		

**AUID** **0201\_02** From the confluence with Walnut Bayou (Oklahoma stream) upstream to the Arkansas-Oklahoma state line

**USE** **General Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	25	644.28			1,100.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	24	154.42			375.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	24	138.00			250.00	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	Fluoride	12/1/2003	11/30/2010	13	0.18	0		4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	14	0.11	0		10.00	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID 0201A Mud Creek (unclassified water body)**

**AUID 0201A\_01** Entire water body

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	12		5	1.54	3.00	AD	CS	<input type="checkbox"/>	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	12		4	1.23	2.00	AD	NS	<input type="checkbox"/>	NS	depressed dissolved oxygen	5b
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	5		4	0.75	3.00	TR	NS	<input type="checkbox"/>	NS	depressed dissolved oxygen	5c
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	5		4	0.11	2.00	TR	NS	<input type="checkbox"/>	NS	depressed dissolved oxygen	5c

**USE Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	47		15	1611.6	394.00	SM	NS	<input type="checkbox"/>	NA	bacteria	5c
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	34	203.57	1		126.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5b

**USE General Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	14		5	41.64	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	14		2	0.95	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	13		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	14		5	0.59	0.33	AD	CS	<input type="checkbox"/>	CS	ammonia	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	14		1	0.5	0.37	AD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID**    **0202**    **Red River Below Lake Texoma**

**AUID**    **0202\_01**    From the Oklahoma/Arkansas state line upstream to the confluence with Pecan Bayou

**USE**    **Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	26		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	26		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 Geomean	E. coli	12/1/2003	11/30/2010	17	26.30	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	12/1/2003	11/30/2010	27		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	27		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	27		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	104	807.69	0		1,100.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	102	240.05	0		375.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	102	179.54	0		250.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	17		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	12		7	22.51	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	16		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	17		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	16		0		0.33	AD	NC	<input type="checkbox"/>	NC		

**2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River**

**AUID** 0202\_01 From the Oklahoma/Arkansas state line upstream to the confluence with Pecan Bayou

**USE** Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	23	0.26	0		4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	66	0.21	0		10.00	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0202\_02 From the confluence with Pecan Bayou upstream to the confluence with Pine Creek

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	10		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	10		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 Geomean	E. coli	12/1/2003	11/30/2010	8	21.22	0		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	12/1/2003	11/30/2010	10		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	10		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	10		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	104	807.69	0		1,100.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	102	179.54	0		250.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	102	240.05	0		375.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	10		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	10		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	10		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	10		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	10		7	25.09	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	Fluoride	12/1/2003	11/30/2010	23	0.26	0		4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	66	0.21	0		10.00	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0202\_03 From the confluence with Pine Creek upstream to the confluence with Bois d'Arc Creek

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	28		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	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 Geomean	E. coli	12/1/2003	11/30/2010	18	27.01	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	12/1/2003	11/30/2010	28		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	28		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	28		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	102	240.05	0		375.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	102	179.54	0		250.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	104	807.69	0		1,100.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	23		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	23		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	22		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	22		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	19		12	28.34	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	Fluoride	12/1/2003	11/30/2010	23	0.26	0		4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	66	0.21	0		10.00	AD	FS	<input type="checkbox"/>	FS		



## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0202\_04 From the confluence with Bois d'Arc upstream to the confluence with Choctaw Creek

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	28		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	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 Geomean	E. coli	12/1/2003	11/30/2010	28	51.10	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	12/1/2003	11/30/2010	28		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	28		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	28		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	104	807.69	0		1,100.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	102	240.05	0		375.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	102	179.54	0		250.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	28		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	28		1	0.45	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	27		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	27		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	28		10	24.02	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	Fluoride	12/1/2003	11/30/2010	23	0.26	0		4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	66	0.21	0		10.00	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0202\_05 From the confluence with Choctaw Creek upstream to Denison Dam

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	12		1	0.6	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	12		1	0.6	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	12/1/2003	11/30/2010	12		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	12		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	12		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	104	807.69	0		1,100.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	102	240.05	0		375.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	102	179.54	0		250.00	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	Fluoride	12/1/2003	11/30/2010	23	0.26	0		4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	66	0.21	0		10.00	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID 0202A Bois D' Arc Creek (unclassified water body)**

**AUID 0202A\_01** From the confluence with the Red River upstream to the confluence with Sandy Creek

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	23		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	23		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 Geomean	E. coli	12/1/2003	11/30/2010	23	94.77	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
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	19		1	16.8	14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	23		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	23		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	22		1	1.74	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	22		0		0.33	AD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0202A\_02 Appendix D, Perennial stream from the confluence with Sandy Creek upstream to the confluence with Pace Creek

### USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	22		0		4.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	22		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 Geomean	E. coli	12/1/2003	11/30/2010	22	176.48	1		126.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5b

### USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	18		1	2.26	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	18		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	17		1	0.36	0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	17		1	1.64	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	17		1	18.3	14.10	AD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID 0202C Pecan Bayou (unclassified water body)**

**AUID 0202C\_01** Entire water body

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	21		4	3.55	5.00	AD	CS	<input type="checkbox"/>	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	21		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 Geomean	E. coli	12/1/2003	11/30/2010	26	72.60	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
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	26		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	25		1	0.58	0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	25		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	24		4	32.15	14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	26		0		1.95	AD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID 0202D Pine Creek (unclassified water body)**

**AUID 0202D\_01** Perennial and intermittent stream from the confluence with the Red River upstream to the dam forming Lake Crook

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	22		1	2.8	4.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	22		1	2.8	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 Geomean	E. coli	12/1/2003	11/30/2010	51	74.11	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
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	21		6	48.13	14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	27		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	27		4	0.5	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	26		1	0.35	0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	26		0		0.69	AD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID 0202E Post Oak Creek (unclassified water body)**

**AUID 0202E\_01** Entire water body

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	138		10	3.64	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	138		3	2.7	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 Geomean	E. coli	12/1/2003	11/30/2010	141	97.02	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
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	51		12	23.72	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	18		4	0.44	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	54		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	54		15	4.39	0.69	AD	CS	<input type="checkbox"/>	CS	total phosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	17		0		14.10	AD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID 0202F Choctaw Creek (unclassified water body)**

**AUID 0202F\_01** From the confluence with the Red River upstream to the confluence with Post Oak Creek

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	71		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	71		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 Geomean	E. coli	12/1/2003	11/30/2010	72	203.51	1		126.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5b

**USE General Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	38		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	38		35	4.16	0.69	AD	CS	<input type="checkbox"/>	CS	total phosphorus	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	16		13	5.99	0.37	AD	CS	<input type="checkbox"/>	CS	orthophosphorus	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	37		33	18.19	1.95	AD	CS	<input type="checkbox"/>	CS	nitrate	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	15		0		14.10	AD	NC	<input type="checkbox"/>	NC		



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**AUID** 0202F\_02 From the confluence with Post Oak Creek upstream to the headwaters near the intersection of SH 56 and SH 289 in Grayson County

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	42		2	1	3.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	42		2	1	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 Geomean	E. coli	12/1/2003	11/30/2010	43	154.05	1		126.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5b

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	12		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	13		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	13		0		0.69	AD	NC	<input type="checkbox"/>	NC		

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**SEGID 0202G Smith Creek (unclassified water body)**

**AUID 0202G\_01** Entire water body

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	27		3	1.13	2.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	27		2	0.8	1.50	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	35		25	4118.04	394.00	SM	NS	<input type="checkbox"/>	NA	bacteria	5b
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	27	987.15	1		126.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5b

**USE General Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	26		13	0.81	0.33	AD	CS	<input type="checkbox"/>	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	26		17	1.7	0.69	AD	CS	<input type="checkbox"/>	CS	total phosphorus	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	27		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	27		16	1.67	0.37	AD	CS	<input type="checkbox"/>	CS	orthophosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	24		0		14.10	AD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID 0202H Big Pine Creek (unclassified water body)**

**AUID 0202H\_01** Entire water body

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	4		2	2.25	3.00	TR	NA	<input type="checkbox"/>	NA		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	4		1	1.9	2.00	TR	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 Geomean	E. coli	12/1/2003	11/30/2010	3	185.36	1		126.00	TR	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
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	4		0		0.37	TR	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	4		2	28.55	14.10	TR	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	4		0		0.33	TR	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	4		0		1.95	TR	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	4		0		0.69	TR	NA	<input type="checkbox"/>	NA		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID 0202I Little Pine Creek (unclassified water body)**

**AUID 0202I\_01** Entire water body

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	8		3	1.7	3.00	LD	CS	<input type="checkbox"/>	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	8		2	1.35	2.00	LD	CN	<input type="checkbox"/>	CN	depressed dissolved oxygen	

**USE Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	7	30.48	0		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
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	8		0		1.95	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	7		4	24.63	14.10	LD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	8		0		0.69	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	7		0		0.37	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	8		2	0.78	0.33	LD	NC	<input type="checkbox"/>	NC		

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**SEGID 0202J Sand Creek (unclassified water body)**

**AUID 0202J\_01** Entire water body

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	37		4	1.7	3.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	37		2	1.2	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 Geomean	E. coli	12/1/2003	11/30/2010	38	82.67	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
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	9		0		1.95	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	10		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	10		0		0.69	AD	NC	<input type="checkbox"/>	NC		

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**SEGID 0202K Iron Ore Creek (unclassified water body)**

**AUID 0202K\_01** Entire water body

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	12		0		2.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	12		0		1.50	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	12/1/2003	11/30/2010	11	327.33	1		126.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5b

**USE General Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	11		0		14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	10		1	0.72	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	11		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	11		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	12		0		0.37	AD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID**    **0203 Lake Texoma**

**AUID**    **0203\_01**    Lower lake from Denison Dam upstream to a line from Rock Point (TX) to Burns West Recreational Area (OK)

**USE**    **Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	39		3	3.67	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	39		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 Geomean	E. coli	12/1/2003	11/30/2010	28	1.71	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	12/1/2003	11/30/2010	39		0		33.30	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	39		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	39		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	123	987.36	0		1,500.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	120	334.56	0		600.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	120	228.30	0		300.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	28		4	0.79	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	28		2	93.9	26.70	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	28		1	0.21	0.20	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	28		10	0.12	0.05	AD	CS	<input type="checkbox"/>	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	28		2	0.17	0.11	AD	NC	<input type="checkbox"/>	NC		
Fish Kill Reports	Fish Kill Reports	12/1/2001	11/30/2008	7					OE	CN	<input type="checkbox"/>	CN	harmful algal bloom/golden alga	

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0203\_01 Lower lake from Denison Dam upstream to a line from Rock Point (TX) to Burns West Recreational Area (OK)

### USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	2		0		250.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	2		0		0.60	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	2		0		0.83	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	2		0		525.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	2		0		4.38	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	2		0		0.13	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	2		0		35.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	2		0		0.04	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	2		0		0.53	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	2		0		0.04	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	2		0		0.25	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	2		0		0.14	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	2		0		0.06	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2		0		0.61	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	2		0		5.25	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	2		0		0.23	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	2		0		0.20	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	12/1/2003	11/30/2010	112	0.15	0		10.00	AD	FS	<input type="checkbox"/>	FS		



## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0203\_02 Little Mineral Arm from a line from Rocky point to the Episcopal Recreation Center on Preston peninsula

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	28		1	4.5	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	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 Geomean	E. coli	12/1/2003	11/30/2010	28	2.48	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	12/1/2003	11/30/2010	28		0		33.30	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	28		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	28		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	123	987.36	0		1,500.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	120	334.56	0		600.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	120	228.30	0		300.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	28		2	0.82	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	28		3	0.13	0.05	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	28		1	0.13	0.11	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	28		0		0.20	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	28		1	28.4	26.70	AD	NC	<input type="checkbox"/>	NC		
Fish Kill Reports	Fish Kill Reports	12/1/2001	11/30/2008	7					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
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	2		0		0.53	ID	NA	<input type="checkbox"/>	NA		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0203\_02 Little Mineral Arm from a line from Rocky point to the Episcopal Recreation Center on Preston peninsula

**USE** Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	2		0		0.04	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	2		0		35.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	2		0		0.13	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	2		0		4.38	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	2		0		525.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	2		0		0.04	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	2		0		0.60	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	2		0		0.83	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	2		0		0.25	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	2		0		0.20	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	2		0		0.06	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	2		0		250.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	2		0		0.14	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	2		0		0.23	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	2		0		5.25	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2		0		0.61	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	12/1/2003	11/30/2010	112	0.15	0		10.00	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0203\_03 Mid-lake area bounded upstream by a line from East Juniper Point to Cardinal Cove (OK) and downstream by a line from Treasure Island to Mill Creek picnic area

### USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	40		2	3.33	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	40		1	2.95	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 Geomean	E. coli	12/1/2003	11/30/2010	28	3.83	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	12/1/2003	11/30/2010	40		0		33.30	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	40		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	40		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	123	987.36	0		1,500.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	120	334.56	0		600.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	120	228.30	0		300.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	28		2	0.14	0.11	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	28		0		0.20	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	28		4	0.09	0.05	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	28		2	0.58	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	28		7	33.43	26.70	AD	NC	<input type="checkbox"/>	NC		
Fish Kill Reports	Fish Kill Reports	12/1/2003	11/30/2010	7					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
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	2		0		0.60	ID	NA	<input type="checkbox"/>	NA		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0203\_03 Mid-lake area bounded upstream by a line from East Juniper Point to Cardinal Cove (OK) and downstream by a line from Treasure Island to Mill Creek picnic area

### USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	2		0		0.83	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	2		0		525.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	2		0		4.38	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	2		0		0.13	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	2		0		35.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	2		0		0.53	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2		0		0.61	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	2		0		0.04	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	2		0		0.04	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	2		0		0.14	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	2		0		0.25	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	2		0		0.23	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	2		0		5.25	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	2		0		250.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	2		0		0.06	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	2		0		0.20	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	12/1/2003	11/30/2010	112	0.15	0		10.00	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0203\_04 Upper-lake area bounded downstream by a line from East Juniper Point to Cardinal Cove (OK) upstream to headwaters

### USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	28		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	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 Geomean	E. coli	12/1/2003	11/30/2010	28	1.84	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	12/1/2003	11/30/2010	28		0		33.30	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	28		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	28		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	120	228.30	0		300.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	120	334.56	0		600.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	123	987.36	0		1,500.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	28		2	0.43	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	28		6	0.11	0.05	AD	NC	<input type="checkbox"/>	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	28		2	0.15	0.11	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	28		2	0.25	0.20	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	28		10	37.21	26.70	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Fish Kill Reports	Fish Kill Reports	12/1/2003	11/30/2010	7					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
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	2		0		0.53	ID	NA	<input type="checkbox"/>	NA		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0203\_04 Upper-lake area bounded downstream by a line from East Juniper Point to Cardinal Cove (OK) upstream to headwaters

### USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	2		0		0.04	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	2		0		35.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	2		0		0.13	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	2		0		0.60	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	2		0		525.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	2		0		250.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	2		0		0.83	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	2		0		4.38	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2		0		0.61	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	2		0		0.25	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	2		0		0.06	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	2		0		5.25	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	2		0		0.23	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	2		0		0.04	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	2		0		0.14	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	2		0		0.20	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	12/1/2003	11/30/2010	112	0.15	0		10.00	AD	FS	<input type="checkbox"/>	FS		

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**AUID** 0203\_05 Remainder of lake not assessed

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	120	228.30			300.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	123	987.36			1,500.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	120	334.56			600.00	AD	FS	<input type="checkbox"/>	FS		
Fish Kill Reports	Fish Kill Reports	12/1/2003	11/30/2010	7					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
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	2		0		0.60	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	2		0		0.83	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	2		0		525.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	2		0		4.38	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	2		0		0.13	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	2		0		35.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	2		0		0.53	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2		0		0.61	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	2		0		0.25	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	2		0		0.20	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	2		0		0.06	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	2		0		250.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	2		0		5.25	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	2		0		0.23	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	2		0		0.04	ID	NA	<input type="checkbox"/>	NA		

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**AUID** 0203\_05 Remainder of lake not assessed

**USE** Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	2		0		0.14	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	2		0		0.04	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	12/1/2003	11/30/2010	112	0.15	0		10.00	AD	FS	<input type="checkbox"/>	FS		

**SEGID** 0203A Big Mineral Creek (unclassified water body)

**AUID** 0203A\_01 Appendix D, Intermittent stream with perennial pools from Lake Texoma normal pool elevation of 617 feet upstream to the confluence with an unnamed second order tributary on North Branch 2.4 km upstream of US 377 and upstream to the confluence with an unna

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	9		0		4.00	LD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	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 Geomean	E. coli	12/1/2003	11/30/2010	72	31.36	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
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	9		1	0.76	0.33	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	8		6	1.58	0.69	LD	CS	<input type="checkbox"/>	CS	total phosphorus	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	8		6	1.26	0.37	LD	CS	<input type="checkbox"/>	CS	orthophosphorus	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	9		6	9.5	1.95	LD	CS	<input type="checkbox"/>	CS	nitrate	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	9		1	33	14.10	LD	NC	<input type="checkbox"/>	NC		



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**SEGID 0203C Mustang Creek (unclassified water body)**

**AUID 0203C\_01** Entire water body

**USE Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	5	62.19	0		126.00	LD	NC	<input type="checkbox"/>	NC		

**SEGID 0203D Deaver Creek (unclassified water body)**

**AUID 0203D\_01** Entire water body

**USE Recreation Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	7	50.44	0		126.00	LD	NC	<input type="checkbox"/>	NC		

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**SEGID**    **0204**    **Red River Above Lake Texoma**

**AUID**    **0204\_01**    From the normal pool elevation of Lake Texoma upstream to the confluence with Fish Creek

**USE**    **Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	22		3	4.33	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	22		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	12/1/2003	11/30/2010	22		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	22		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	22		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	116	3027.40	0		6,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	47	1140.43	0		2,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	47	596.17	0		1,200.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	21		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	18		15	46.07	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	22		2	0.77	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	20		1	0.47	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	21		0		0.33	AD	NC	<input type="checkbox"/>	NC		

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**AUID** 0204\_02 From the confluence with Fish Creek upstream to the confluence with Farmers Creek

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	39		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	39		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	12/1/2003	11/30/2010	39		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	39		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	39		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	116	3027.40	0		6,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	47	1140.43	0		2,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	47	596.17	0		1,200.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	13		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	7		7	42.13	14.10	LD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	15		1	1.25	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	13		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	13		0		0.37	AD	NC	<input type="checkbox"/>	NC		

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**AUID** 0204\_03 From the confluence with Farmers Creek upstream to the confluence with the Little Wichita River

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	49		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	49		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 Geomean	Fecal coliform	12/1/2003	11/30/2010	13	42.69	0		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	12/1/2003	11/30/2010	49		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	49		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	49		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	116	3027.40	0		6,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	47	1140.43	0		2,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	47	596.17	0		1,200.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	28		1	4.98	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	7		7	64.47	14.10	LD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	30		2	1.05	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	28		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	28		0		0.33	AD	NC	<input type="checkbox"/>	NC		

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**AUID** 0204\_04 From the confluence with the Little Wichita River upstream to the confluence with the Wichita River

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	116	3027.40			6,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	47	1140.43			2,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	47	596.17			1,200.00	AD	FS	<input type="checkbox"/>	FS		

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**SEGID 0204B Moss Lake (unclassified water body)**

**AUID 0204B\_01** Entire water body

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	16		1	4.91	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	16		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	1		0		19.33	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	1		0		20.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	1		0		119.47	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	1		0		77.42	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	1		0		34.71	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	1		0		360.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	1		0		991.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	1		0		1,477.38	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	1		0		571.98	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	1	0.47	0		16.38	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	1	0.13	0		5.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	1	0.03	0		3.87	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	1	2.00	0		138.98	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	1	2.00	0		234.48	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	1	0.05	0		1.34	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	1	1.25	0		190.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	1	2.50	0		208.96	ID	NA	<input type="checkbox"/>	NA		

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**AUID** 0204B\_01 Entire water body

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	1		0		1.06	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	1		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Iron	12/1/2003	11/30/2010	1		0		40,000.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	1		0		2.20	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	1		0		48.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Manganese	12/1/2003	11/30/2010	1		0		1,100.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	1		0		128.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	1		0		149.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chromium	12/1/2003	11/30/2010	1		0		111.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Arsenic	12/1/2003	11/30/2010	1		0		33.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	1		0		4.98	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 Geomean	E. coli	12/1/2003	11/30/2010	15	2.92	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
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	14		0		0.20	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	15		0		26.70	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	13		0		0.11	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	16		0		0.05	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	14		0		0.37	AD	NC	<input type="checkbox"/>	NC		

**2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River**

**AUID** 0204B\_01 Entire water body

**USE** Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Risk Assess.- No Advisory	12/1/2003	11/30/2010						OE	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	1	2.00	0		502.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	1	0.03	0		3.83	ID	NA	<input type="checkbox"/>	NA		



## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID 0205 Red River Below Pease River**

**AUID 0205\_01** From the confluence with the Wichita River upstream to IH 44 in Burkburnett

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	76		1	4.9	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	76		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	36		0		725.37	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	8		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	8		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	DDT	12/1/2003	11/30/2010	8		0		1.10	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	8		0		0.78	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	36		0		529.68	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	36		0		20.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Mercury	12/1/2003	11/30/2010	36		0		2.40	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	8		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	36		0		360.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	36		0		6,535.37	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Aldrin	12/1/2003	11/30/2010	8		0		3.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	8		0		0.52	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	36		0		252.05	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	8		0		2.40	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	36		0		2,412.96	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	36		0		101.24	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID**

**0205\_01**

From the confluence with the Wichita River upstream to IH 44 in Burkburnett

**USE**

**Aquatic Life Use**

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	Dieldrin	12/1/2003	11/30/2010	8		0		2.50	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endrin	12/1/2003	11/30/2010	8		0		0.18	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Mercury	12/1/2003	11/30/2010	30	0.01	0		1.30	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	7	0.02	0		0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	7	0.03	0		0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	DDT	12/1/2003	11/30/2010	7	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	7	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	30	5.28	0		695.83	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	30	3.65	0		5.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	30	5.26	0		1,043.57	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	7	0.03	0		0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	30	3.11	0		190.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	7	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Endrin	12/1/2003	11/30/2010	7	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	7	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	30	5.45	0		83.12	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	30	0.38	0		1,112.47	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	7	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	30	0.07	0		5.97	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	30	0.31	0		43.49	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0205\_01 From the confluence with the Wichita River upstream to IH 44 in Burkburnett

**USE** Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	Fecal coliform	12/1/2003	11/30/2010	3	10.77	0		200.00	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	12/1/2003	11/30/2010	77		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	77		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	77		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	76	5118.69	0		10,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	50	2051.08	0		5,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	50	1033.46	0		2,000.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	8		8	52.48	14.10	LD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	48		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	48		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	58		9	2.01	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	48		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	Mercury	12/1/2003	11/30/2010	30	0.01	1		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	DDE	12/1/2003	11/30/2010	7	0.00	0		0.01	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2003	11/30/2010	7	0.00	0		0.01	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	30	0.31	0		3.83	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2003	11/30/2010	7	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2003	11/30/2010	7	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID**

**0205\_01**

From the confluence with the Wichita River upstream to IH 44 in Burkburnett

**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	12/1/2003	11/30/2010	7	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	DDD	12/1/2003	11/30/2010	7	0.01	0		0.01	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	DDT	12/1/2003	11/30/2010	7	0.00	0		0.01	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	30	0.39	0		502.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2003	11/30/2010	7	0.00	0		0.01	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2003	11/30/2010	7	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Endrin	12/1/2003	11/30/2010	7	0.05	0		0.20	LD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0205\_02 From IH 44 in Burkburnett upstream to the confluence with the Pease River

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	1		0		5.00	ID	NA	<input type="checkbox"/>	NA		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	1		0		3.00	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 Geomean	Enterococcus	12/1/2003	11/30/2010					33.00	JQ	NS	<input type="checkbox"/>	NS	bacteria	5b

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	1		0		33.90	ID	NA	<input type="checkbox"/>	NA		
High pH	pH	12/1/2003	11/30/2010	1		0		9.00	ID	NA	<input type="checkbox"/>	NA		
Low pH	pH	12/1/2003	11/30/2010	1		0		6.50	ID	NA	<input type="checkbox"/>	NA		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	76	5118.69	0		10,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	50	2051.08	0		5,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	50	1033.46	0		2,000.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	1		0		0.37	ID	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	1		1	20.1	14.10	ID	NA	<input checked="" type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	1		0		1.95	ID	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	1		0		0.69	ID	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	1		0		0.33	ID	NA	<input type="checkbox"/>	NA		

**USE** Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Mercury	12/1/2003	11/30/2010	30	0.01	1		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	DDE	12/1/2003	11/30/2010	7	0.00	0		0.01	LD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID**

**0205\_02**

From IH 44 in Burkburnett upstream to the confluence with the Pease River

**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	Toxaphene	12/1/2003	11/30/2010	7	0.00	0		0.01	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	30	0.31	0		3.83	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2003	11/30/2010	7	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2003	11/30/2010	7	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2003	11/30/2010	7	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	DDD	12/1/2003	11/30/2010	7	0.01	0		0.01	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	30	0.39	0		502.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2003	11/30/2010	7	0.00	0		0.01	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2003	11/30/2010	7	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	DDT	12/1/2003	11/30/2010	7	0.00	0		0.01	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Endrin	12/1/2003	11/30/2010	7	0.05	0		0.20	LD	NC	<input type="checkbox"/>	NC		

**2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River**

**SEGID**    0206    Red River Above Pease River

**AUID**    0206\_01    From the confluence with the Pease River upstream to the confluence with Groesbeck Creek

**USE**    General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Chloride	12/1/2003	11/30/2010	25	7780.80	0		12,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	25	2372.40	0		4,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	24	16152.29	0		25,000.00	AD	FS	<input type="checkbox"/>	FS		

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**AUID** 0206\_02 From the confluence with the Groesbeck Creek upstream to the confluence with Buck Creek

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	23		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	23		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 Geomean	Fecal coliform	12/1/2003	11/30/2010	11	141.06	0		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	12/1/2003	11/30/2010	23		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	23		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	23		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	25	7780.80	0		12,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	25	2372.40	0		4,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	24	16152.29	0		25,000.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	23		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	24		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	24		3	4.26	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	24		2	22.15	14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	24		0		1.95	AD	NC	<input type="checkbox"/>	NC		



## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID 0206B South Groesbeck Creek (unclassified water body)**

**AUID 0206B\_01** Entire water body

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	24		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	24		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	32		11	1250.36	394.00	SM	NS	<input type="checkbox"/>	NA	bacteria	5b
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	24	290.51	1		126.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5b

**USE General Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	17		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	18		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	16		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	17		16	3.36	1.95	AD	CS	<input type="checkbox"/>	CS	nitrate	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	17		6	23.73	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID 0207 Lower Prairie Dog Town Fork Red River**

**AUID 0207\_01** From immediately upstream of the confluence with Buck Creek upstream to the confluence with Grassy Creek in Childress County

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	23		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	23		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 Geomean	Fecal coliform	12/1/2003	11/30/2010	22	32.58	0		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	12/1/2003	11/30/2010	23		3	34.9	33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	23		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	23		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	57	19952.14	0		46,200.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	57	9859.07	0		37,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	57	2041.72	0		5,300.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	27		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	27		5	2.38	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	27		1	1.2	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	27		4	7.97	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	23		0		14.10	AD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID**

**0207\_02**

From the confluence with Grassy Creek upstream to the confluence with Parker Creek in Hall 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
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	57	19952.14			46,200.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	57	9859.07			37,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	57	2041.72			5,300.00	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0207\_03 From the confluence with Parker Creek upstream to the confluence with Battle Creek in Briscoe County

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	2		0		5.00	ID	NA	<input type="checkbox"/>	NA		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	2		0		3.00	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 Geomean	Fecal coliform	12/1/2003	11/30/2010	1	3.00	0		200.00	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	12/1/2003	11/30/2010	2		0		33.90	ID	NA	<input type="checkbox"/>	NA		
High pH	pH	12/1/2003	11/30/2010	2		0		9.00	ID	NA	<input type="checkbox"/>	NA		
Low pH	pH	12/1/2003	11/30/2010	2		0		6.50	ID	NA	<input type="checkbox"/>	NA		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	57	9859.07	0		37,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	57	2041.72	0		5,300.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	57	19952.14	0		46,200.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	2		0		0.37	ID	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	2		0		0.33	ID	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	2		1	1.39	0.69	ID	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	2		1	48.5	14.10	ID	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	2		0		1.95	ID	NA	<input type="checkbox"/>	NA		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0207\_04 From the confluence with Battle Creek upstream to the confluence with Salt Fork in Armstrong County

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	28		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	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 Geomean	Fecal coliform	12/1/2003	11/30/2010	2	252.59	1		200.00	SM	NA	<input type="checkbox"/>	NA		
Bacteria Geomean	Enterococcus	12/1/2003	11/30/2010					33.00	JQ	NS	<input checked="" type="checkbox"/>	NS	bacteria	5b

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	28		1	34.2	33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	28		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	28		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	57	19952.14	0		46,200.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	57	2041.72	0		5,300.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	57	9859.07	0		37,000.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	28		7	4.61	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	28		6	0.83	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	28		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	28		4	1.69	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	21		9	46.94	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID 0207A Buck Creek (unclassified water body)**

**AUID 0207A\_01** From Oklahoma state line to House Log Creek

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	234		0		3.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	234		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 Geomean	E. coli	12/1/2003	11/30/2010	324	69.81	0		126.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	Fecal coliform	12/1/2003	11/30/2010	70	99.94	0		200.00	SM	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	12/1/2003	11/30/2010	5		0		0.69	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	5		0		14.10	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	5		0		0.37	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	5		0		0.33	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	30		26	3.79	1.95	AD	CS	<input type="checkbox"/>	CS	nitrate	

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0207A\_02 House Log Creek to upper end of segment

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	165		11	2.24	3.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	165		2	1.5	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 Geomean	E. coli	12/1/2003	11/30/2010	232	36.58	0		126.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	Fecal coliform	12/1/2003	11/30/2010	32	91.80	0		200.00	SM	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	Nitrate	12/1/2003	11/30/2010	10		0		1.95	AD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID**    0208    Lake Crook

**AUID**    0208\_01    Entire water body

**USE**    Fish Consumption Use

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



## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID**    **0209**    **Pat Mayse Lake**

**AUID**    **0209\_01**    Lower half of lake

**USE**    **Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	24		1	4.75	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	24		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	2		0		20.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	2	0.14	0		5.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Phenanthrene	12/1/2003	11/30/2010	1		0		1,170.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Manganese	12/1/2003	11/30/2010	1		0		1,100.00	ID	NA	<input checked="" type="checkbox"/>	CS	manganese in sediment	
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	1		0		128.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nitrobenzene	12/1/2003	11/30/2010	1		0		161.06	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Naphthalene	12/1/2003	11/30/2010	1		0		561.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachloroethane	12/1/2003	11/30/2010	1		0		13,770.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Pyrene	12/1/2003	11/30/2010	1		0		1,520.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	1		0		2.20	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	1		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Iron	12/1/2003	11/30/2010	1		0		40,000.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Di-n-butyl phthalate	12/1/2003	11/30/2010	1		0		43.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	1		0		1.06	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2003	11/30/2010	1		0		1,050.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Anthracene	12/1/2003	11/30/2010	1		0		845.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachlorobutadiene (HCBd)	12/1/2003	11/30/2010	1		0		550.00	ID	NA	<input type="checkbox"/>	NA		

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**AUID** 0209\_01 Lower half of lake

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	1		0		48.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Acenaphthylene	12/1/2003	11/30/2010	1		0		130.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Arsenic	12/1/2003	11/30/2010	1		0		33.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2003	11/30/2010	1		0		1,450.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	1		0		4.98	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chrysene	12/1/2003	11/30/2010	1		0		1,290.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	1		0		149.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Fluorene	12/1/2003	11/30/2010	1		0		536.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2003	11/30/2010	1		0		140.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Acenaphthene	12/1/2003	11/30/2010	1		0		89.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Fluoranthene	12/1/2003	11/30/2010	1		0		2,230.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chromium	12/1/2003	11/30/2010	1		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 Geomean	E. coli	12/1/2003	11/30/2010	18	5.34	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	12/1/2003	11/30/2010	24		1	33.3	32.20	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	24		1	9.15	9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	24		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	50	100.69	0		350.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	49	6.28	0		100.00	AD	FS	<input type="checkbox"/>	FS		

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**AUID** 0209\_01 Lower half of lake

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	49	12.71	0		175.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	24		8	31.04	26.70	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	24		0		0.05	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	23		0		0.20	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	25		1	0.16	0.11	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	25		0		0.37	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	12/1/2003	11/30/2010	49	0.13	0		4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	49	0.07	0		10.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	3	0.13	0		50.00	ID	NA	<input type="checkbox"/>	NA		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID**

**0209\_02**

Upper half of lake

**USE**

**Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	23		1	4.69	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	23		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	1		0		20.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	1	0.13	0		5.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Phenanthrene	12/1/2003	11/30/2010	1		0		1,170.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Manganese	12/1/2003	11/30/2010	1		1	1180	1,100.00	ID	NA	<input checked="" type="checkbox"/>	CS	manganese in sediment	
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	1		0		1.06	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	1		0		128.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Naphthalene	12/1/2003	11/30/2010	1		0		561.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	1		0		48.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Pyrene	12/1/2003	11/30/2010	1		0		1,520.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	1		0		2.20	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	1		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Di-n-butyl phthalate	12/1/2003	11/30/2010	1		0		43.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2003	11/30/2010	1		0		1,050.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachloroethane	12/1/2003	11/30/2010	1		0		13,770.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Iron	12/1/2003	11/30/2010	1		1	42000	40,000.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	1		0		4.98	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nitrobenzene	12/1/2003	11/30/2010	1		0		161.06	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Acenaphthylene	12/1/2003	11/30/2010	1		0		130.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Acenaphthene	12/1/2003	11/30/2010	1		0		89.00	ID	NA	<input type="checkbox"/>	NA		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0209\_02 Upper half of lake

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Anthracene	12/1/2003	11/30/2010	1		0		845.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachlorobutadiene (HCBD)	12/1/2003	11/30/2010	1		0		550.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2003	11/30/2010	1		0		1,450.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chromium	12/1/2003	11/30/2010	1		0		111.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chrysene	12/1/2003	11/30/2010	1		0		1,290.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	1		0		149.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2003	11/30/2010	1		0		140.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Fluoranthene	12/1/2003	11/30/2010	1		0		2,230.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Fluorene	12/1/2003	11/30/2010	1		0		536.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Arsenic	12/1/2003	11/30/2010	1		0		33.00	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 Geomean	E. coli	12/1/2003	11/30/2010	18	4.79	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	12/1/2003	11/30/2010	23		1	32.7	32.20	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	23		1	9.2	9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	23		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	49	6.28	0		100.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	49	12.71	0		175.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	50	100.69	0		350.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	22		10	32.98	26.70	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0209\_02 Upper half of lake

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	24		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	23		0		0.05	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	24		0		0.11	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	23		0		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	Selenium	12/1/2003	11/30/2010	3	0.13	0		50.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	49	0.13	0		4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	49	0.07	0		10.00	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID 0210 Farmers Creek Reservoir**

**AUID 0210\_01** Entire segment

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	14		1	4.37	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	14		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 Geomean	E. coli	12/1/2003	11/30/2010	10	2.59	0		126.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	Fecal coliform	12/1/2003	11/30/2010	1	4.00	0		200.00	SM	NA	<input type="checkbox"/>	NA		
Bacteria Geomean	Enterococcus	12/1/2003	11/30/2010	1	1.00	0		35.00	SM	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	12/1/2003	11/30/2010	14		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	14		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	14		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	14	449.77	0		550.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	14	146.50	0		200.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	14	37.29	0		60.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	13		0		0.20	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	13		0		26.70	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	14		0		0.11	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	13		0		0.05	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	13		0		0.37	AD	NC	<input type="checkbox"/>	NC		

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**AUID** 0210\_01 Entire segment

**USE** Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	13	0.03	0		10.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	14	0.23	0		4.00	AD	FS	<input type="checkbox"/>	FS		



## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID**    0211    Little Wichita River

**AUID**    0211\_01    From the confluence with the Red River upstream to the confluence with the East Fork Little Wichita River

**USE**    Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	46		0		3.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	46		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 Geomean	E. coli	12/1/2003	11/30/2010	50	98.52	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	12/1/2003	11/30/2010	51		0		32.80	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	51		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	51		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	35	110.65	1		50.00	AD	NS	<input type="checkbox"/>	NS	sulfate	5c
Dissolved Solids	Chloride	12/1/2003	11/30/2010	35	251.30	1		250.00	AD	NS	<input type="checkbox"/>	NS	chloride	5c
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	73	1094.97	1		500.00	AD	NS	<input type="checkbox"/>	NS	total dissolved solids	5c
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	17		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	17		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	17		2	0.37	0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	19		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	3		3	46.13	14.10	ID	NA	<input type="checkbox"/>	NA		

**2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River**

**AUID** 0211\_01 From the confluence with the Red River upstream to the confluence with the East Fork Little Wichita River

**USE** Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	13	0.21	0		4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	29	0.10	0		10.00	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0211\_02 From the confluence with the East Fork Little Wichita River upstream to the Lake Arrowhead Dam

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	6		2	1.65	3.00	SM	CS	<input type="checkbox"/>	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	6		1	1.3	2.00	SM	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	4		3	2.33	3.00	LD	NS	<input type="checkbox"/>	NS	depressed dissolved oxygen	5c
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	4		3	1.33	2.00	LD	NS	<input type="checkbox"/>	NS	depressed dissolved oxygen	5c
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	2		0		68.87	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	2		0		20.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	2		0		110.52	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	2		0		1,366.90	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	2		0		530.52	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	2		0		31.29	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	2		0		991.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	2		0		360.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	2		0		17.72	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	2		0		48.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Iron	12/1/2003	11/30/2010	2		0		40,000.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	2		0		2.20	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	2		0		1.06	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Manganese	12/1/2003	11/30/2010	2		0		1,100.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	2		0		149.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Arsenic	12/1/2003	11/30/2010	2		0		33.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chromium	12/1/2003	11/30/2010	2		0		111.00	ID	NA	<input type="checkbox"/>	NA		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0211\_02 From the confluence with the East Fork Little Wichita River upstream to the Lake Arrowhead 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	Zinc	12/1/2003	11/30/2010	2		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	2		0		4.98	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	2		0		128.00	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 Geomean	Fecal coliform	5/1/2002	11/30/2010	5	201.04	1		200.00	SM	CN	<input type="checkbox"/>	CN	bacteria	
Bacteria Geomean	E. coli	5/1/2002	11/30/2010	10	99.25	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	12/1/2003	11/30/2010	7		0		32.80	LD	NC	<input type="checkbox"/>	NC		
High pH	pH	12/1/2003	11/30/2010	7		0		9.00	LD	NC	<input type="checkbox"/>	NC		
Low pH	pH	12/1/2003	11/30/2010	7		0		6.50	LD	NC	<input type="checkbox"/>	NC		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	73	1094.97	1		500.00	AD	NS	<input type="checkbox"/>	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2003	11/30/2010	35	251.30	1		250.00	AD	NS	<input type="checkbox"/>	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	35	110.65	1		50.00	AD	NS	<input type="checkbox"/>	NS	sulfate	5c
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	17		6	38.52	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	17		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	17		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	17		1	0.44	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	17		0		0.33	AD	NC	<input type="checkbox"/>	NC		

**2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River**

**AUID** 0211\_02 From the confluence with the East Fork Little Wichita River upstream to the Lake Arrowhead 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	12/1/2003	11/30/2010	29	0.10	0		10.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	13	0.21	0		4.00	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID**    0212    Lake Arrowhead

**AUID**    0212\_01    Entire water body

**USE**    Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	42		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	42		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 Geomean	E. coli	12/1/2003	11/30/2010	10	2.66	0		126.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	Fecal coliform	12/1/2003	11/30/2010	2	1.41	0		200.00	SM	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	12/1/2003	11/30/2010	42		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	42		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	42		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	14	12.71	0		50.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	43	371.85	0		500.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	14	94.57	0		250.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	13		0		26.70	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	42		5	0.23	0.20	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	43		0		0.11	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	41		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	43		41	0.11	0.05	AD	CS	<input type="checkbox"/>	CS	orthophosphorus	

**2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River**

**AUID** 0212\_01 Entire water body

**USE** Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	14	0.34	0		4.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	53	0.01	0		10.00	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID**    0213    Lake Kickapoo

**AUID**    0213\_01    Entire water body

**USE**    Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	2		0		0.60	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	2		0		525.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	2		0		4.38	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	2		0		0.13	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	2		0		35.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	2		0		0.04	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	2		0		0.06	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	2		0		0.53	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	2		0		0.83	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	2		0		0.20	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	2		0		250.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	2		0		5.25	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	2		0		0.23	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	2		1	0.3	0.04	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	2		0		0.14	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	2		0		0.25	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2		0		0.61	ID	NA	<input type="checkbox"/>	NA		



## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID 0214 Wichita River Below Diversion Lake Dam**

**AUID 0214\_01** From the confluence with the Red River upstream to the confluence with an un-named tributary immediately upstream of FM 2393

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	65		2	4.7	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	65		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	16		0		991.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	16		0		475.38	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	16		0		20.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	16		0		5,866.36	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	16		0		616.57	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	10		0		89.77	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	16		0		2,173.43	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	16		0		360.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	16		0		218.24	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	15	0.39	0		34.44	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	15	2.31	0		595.69	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	15	0.12	0		5.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	15	2.50	0		893.60	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	15	2.00	0		957.32	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	15	0.55	0		5.17	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	15	12.44	0		190.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	10	2.33	0		71.06	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0214\_01 From the confluence with the Red River upstream to the confluence with an un-named tributary immediately upstream of FM 2393

### USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	61	121.65	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	12/1/2003	11/30/2010	65		0		32.20	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	65		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	65		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	288	3031.54	0		5,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	168	1136.25	0		1,800.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	168	545.53	0		800.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	36		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	39		12	0.82	0.69	AD	CS	<input type="checkbox"/>	CS	total phosphorus	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	38		18	3.46	1.95	AD	CS	<input type="checkbox"/>	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	38		14	0.85	0.37	AD	CS	<input type="checkbox"/>	CS	orthophosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	31		24	81.07	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	Chromium	12/1/2003	11/30/2010	66	2.00	0		502.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	65	0.47	0		3.83	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0214\_02 From an un-named tributary immediately upstream of FM 2393 upstream to the River Road WWTP

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	23		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	23		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	16		0		991.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	16		0		20.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	16		0		4,983.59	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	15		0		482.40	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	11		0		74.86	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	16		0		1,856.01	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	16		0		360.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	16		0		403.74	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	16		0		175.59	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	16	0.60	0		5.17	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	16	2.00	0		957.32	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	11	4.02	0		71.06	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	15	0.53	0		34.44	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	16	3.25	0		893.60	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	16	0.12	0		5.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	16	3.95	0		595.69	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	16	15.91	0		190.00	AD	FS	<input type="checkbox"/>	FS		
Toxic Substances in sediment	Manganese	12/1/2003	11/30/2010	1		0		1,100.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Iron	12/1/2003	11/30/2010	1		0		40,000.00	ID	NA	<input type="checkbox"/>	NA		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0214\_02 From an un-named tributary immediately upstream of FM 2393 upstream to the River Road WWTP

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	1		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	1		0		2.20	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	1		0		1.06	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	1		0		128.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	1		0		149.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chromium	12/1/2003	11/30/2010	1		0		111.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	1		0		4.98	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Arsenic	12/1/2003	11/30/2010	1		0		33.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	1		0		48.60	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 Geomean	Fecal coliform	12/1/2003	11/30/2010	4	145.82	0		200.00	SM	NC	<input type="checkbox"/>	NC		
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	19	91.82	0		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	12/1/2003	11/30/2010	23		2	33.7	32.20	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	23		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	23		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	168	545.53	0		800.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	288	3031.54	0		5,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	168	1136.25	0		1,800.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	23		17	65.35	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID**

**0214\_02**

From an un-named tributary immediately upstream of FM 2393 upstream to the River Road WWTP

**USE**

**General Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	21		14	1.16	0.69	AD	CS	<input type="checkbox"/>	CS	total phosphorus	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	23		20	4.56	1.95	AD	CS	<input type="checkbox"/>	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	22		18	0.88	0.37	AD	CS	<input type="checkbox"/>	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	22		1	0.36	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	Chromium	12/1/2003	11/30/2010	66	2.00	0		502.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	65	0.47	0		3.83	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID**

**0214\_03**

From the River Road WWTP upstream to the confluence with Buffalo Creek

**USE**

**Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	84		3	4.6	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	84		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	11		0		92.18	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	20		0		486.85	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	20		0		20.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	20		0		639.05	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	20		0		2,224.08	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	20		0		225.28	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	20		0		360.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	20		0		991.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	20		0		6,007.62	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	20	16.24	0		190.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	20	0.77	0		5.17	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	20	2.00	0		957.32	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	11	3.69	0		71.06	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	20	0.77	0		34.44	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	20	2.50	0		893.60	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	20	0.12	0		5.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	20	2.00	0		595.69	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0214\_03 From the River Road WWTP upstream to the confluence with Buffalo Creek

**USE** Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	56	106.73	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	12/1/2003	11/30/2010	84		0		32.20	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	84		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	84		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	288	3031.54	0		5,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	168	1136.25	0		1,800.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	168	545.53	0		800.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	50		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	50		2	0.44	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	48		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	37		2	0.95	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	32		25	38.79	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	Lead	12/1/2003	11/30/2010	65	0.47	0		3.83	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	66	2.00	0		502.00	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0214\_04 From the confluence with Buffalo Creek upstream to the confluence with Beaver Creek

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	27		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	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 Geomean	E. coli	12/1/2003	11/30/2010	27	82.86	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	12/1/2003	11/30/2010	27		0		32.20	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	27		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	27		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	288	3031.54	0		5,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	168	1136.25	0		1,800.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	168	545.53	0		800.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	6		5	22.02	14.10	LD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	9		0		1.95	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	9		0		0.37	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	9		0		0.33	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	11		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	12/1/2003	11/30/2010	66	2.00	0		502.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	65	0.47	0		3.83	AD	FS	<input type="checkbox"/>	FS		



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**AUID** 0214\_05 From the confluence with Beaver Creek upstream to the Diversion Lake Dam

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	47		3	4.53	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	47		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	36		17	3698.12	394.00	SM	NS	<input type="checkbox"/>	NA	bacteria	5c
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	47	248.25	1		126.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5b

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	47		0		32.20	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	47		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	47		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	288	3031.54	0		5,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	168	1136.25	0		1,800.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	168	545.53	0		800.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	28		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	20		13	37.8	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	30		1	0.82	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	28		1	0.49	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	28		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	Chromium	12/1/2003	11/30/2010	66	2.00	0		502.00	AD	FS	<input type="checkbox"/>	FS		

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**AUID** 0214\_05 From the confluence with Beaver Creek upstream to the Diversion Lake 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	Lead	12/1/2003	11/30/2010	65	0.47	0		3.83	AD	FS	<input type="checkbox"/>	FS		

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**SEGID 0214A Beaver Creek (unclassified water body)**

**AUID 0214A\_01** From the confluence with the Wichita River upstream to the confluence with Bull Creek

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	55		1	4.9	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	55		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	8		2	3.76	5.00	LD	CN	<input type="checkbox"/>	CN	depressed dissolved oxygen	
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	8		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 Geomean	E. coli	12/1/2003	11/30/2010	53	161.73	1		126.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5b
Bacteria Geomean	Fecal coliform	12/1/2003	11/30/2010	2	55.10	0		200.00	SM	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
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	32		2	0.84	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	30		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	28		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	30		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	20		5	37.86	14.10	AD	NC	<input type="checkbox"/>	NC		

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**AUID** 0214A\_02 From the confluence with Bull Creek upstream to the Santa Rosa Lake dam

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	44		11	4.57	5.00	AD	CS	<input type="checkbox"/>	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	44		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 Geomean	E. coli	12/1/2003	11/30/2010	44	417.54	1		126.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5b

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	28		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	13		6	21.78	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	28		2	0.43	0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	28		1	3.59	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	28		0		0.69	AD	NC	<input type="checkbox"/>	NC		

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**SEGID 0214B Buffalo Creek (unclassified water body)**

**AUID 0214B\_01** Entire water body

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	51		0		3.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	51		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 Geomean	E. coli	12/1/2003	11/30/2010	51	232.94	1		126.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5b

**USE General Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	13		7	32.67	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	19		15	1.61	0.69	AD	CS	<input type="checkbox"/>	CS	total phosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	17		8	0.81	0.33	AD	CS	<input type="checkbox"/>	CS	ammonia	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	17		14	11	1.95	AD	CS	<input type="checkbox"/>	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	17		13	1.25	0.37	AD	CS	<input type="checkbox"/>	CS	orthophosphorus	

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**SEGID 0214D Gordon Lake (unclassified water body)**

**AUID 0214D\_01** Entire water body

**USE Fish Consumption Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Risk Assess.- No Advisory	12/1/2003	11/30/2010						OE	FS	<input type="checkbox"/>	FS		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	2		0		0.20	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	2		0		0.83	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	2		0		525.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	2		0		4.38	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	2		0		0.13	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	2		0		35.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	2		0		0.04	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	2		1	0.54	0.53	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	2		0		0.60	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2		0		0.61	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	2		0		0.06	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	2		0		250.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	2		0		5.25	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	2		0		0.23	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	2		0		0.04	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	2		0		0.14	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	2		0		0.25	ID	NA	<input type="checkbox"/>	NA		

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**SEGID 0214E Wichita Valley Irrigation Project (unclassified water body)**

**AUID 0214E\_01 South Side Canal**

**USE General Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	8		3	31.8	14.10	LD	CS	<input checked="" type="checkbox"/>	CS	chlorophyll-a	

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**SEGID**    0215    Diversion Lake

**AUID**    0215\_01    Entire lake

**USE**    Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	13		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	13		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 Geomean	Fecal coliform	12/1/2003	11/30/2010	2	1.00	0		200.00	SM	NA	<input type="checkbox"/>	NA		
Bacteria Geomean	Enterococcus	12/1/2003	11/30/2010	1	1.00	0		35.00	SM	NA	<input type="checkbox"/>	NA		
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	10	4.57	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	12/1/2003	11/30/2010	13		0		32.20	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	13		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	13		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	13	2773.46	0		5,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	12	1059.83	0		1,800.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	13	664.85	0		1,100.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	12		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	13		0		0.05	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	13		1	0.12	0.11	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	13		0		0.20	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	12		0		26.70	AD	NC	<input type="checkbox"/>	NC		



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**AUID** 0215\_01 Entire lake

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Fish Kill Reports	Fish Kill Reports	12/1/2001	11/30/2008	4					OE	CN	<input type="checkbox"/>	CN	harmful algal bloom/golden alga	

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**SEGID 0216 Wichita River Below Lake Kemp Dam**

**AUID 0216\_01** Entire segment

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	32		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	32		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	37		0		20.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	8		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	8		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	8		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	DDT	12/1/2003	11/30/2010	8		0		1.10	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	37		0		715.58	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	37		0		8,824.99	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Mercury	12/1/2003	11/30/2010	37		0		2.40	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	37		0		1,139.83	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	37		0		360.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	8		0		0.78	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Aldrin	12/1/2003	11/30/2010	8		0		3.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	8		0		0.52	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	37		0		376.19	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	8		0		2.40	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	37		0		3,227.24	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	37		0		141.46	AD	FS	<input type="checkbox"/>	FS		

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**AUID** 0216\_01 Entire segment

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Acute Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	8		0		2.50	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endrin	12/1/2003	11/30/2010	8		0		0.18	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Endrin	12/1/2003	11/30/2010	6	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	6	0.03	0		0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	DDT	12/1/2003	11/30/2010	6	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	6	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	25	4.14	0		589.21	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	25	0.82	0		5.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	6	0.03	0		0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	25	2.78	0		883.90	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	6	0.02	0		0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	6	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	6	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	25	3.69	0		70.28	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	25	0.27	0		947.26	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	6	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	25	0.04	0		5.12	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	25	3.12	0		190.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	25	0.23	0		33.87	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Mercury	12/1/2003	11/30/2010	25	0.01	0		1.30	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0216\_01 Entire segment

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	32		0		32.20	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	32		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	32		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	37	3120.28	0		5,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	37	1095.70	0		1,925.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	37	668.08	0		960.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	37		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	37		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	37		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	46		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	Dieldrin	12/1/2003	11/30/2010	5	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2003	11/30/2010	5	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	DDE	12/1/2003	11/30/2010	5	0.00	0		0.01	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	DDT	12/1/2003	11/30/2010	5	0.00	0		0.01	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2003	11/30/2010	5	0.00	0		0.01	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Mercury	12/1/2003	11/30/2010	12	0.01	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	12	0.26	0		3.83	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Endrin	12/1/2003	11/30/2010	5	0.04	0		0.20	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2003	11/30/2010	5	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0216\_01 Entire segment

**USE** Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	DDD	12/1/2003	11/30/2010	5	0.01	0		0.01	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	12	0.25	0		502.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2003	11/30/2010	5	0.00	0		0.01	LD	NC	<input type="checkbox"/>	NC		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2003	11/30/2010	5	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID 0217 Lake Kemp**

**AUID 0217\_01** Area downstream of Cattle Island

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	14		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	14		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 Geomean	Fecal coliform	12/1/2003	11/30/2010	2	2.45	0		200.00	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	12/1/2003	11/30/2010	15		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	14		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	14		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	26	1133.73	0		7,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	28	742.82	0		2,500.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	30	3050.10	0		15,000.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	14		0		0.05	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	14		0		0.11	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	14		0		0.20	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	13		0		26.70	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	13		0		0.37	AD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0217\_01 Area downstream of Cattle Island

**USE** Fish Consumption Use

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

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0217\_02 Area upstream of Cattle Island

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	14		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	14		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 Geomean	Fecal coliform	12/1/2003	11/30/2010	2	1.00	0		200.00	SM	NA	<input type="checkbox"/>	NA		
Bacteria Geomean	Enterococcus	12/1/2003	11/30/2010	1	1.00	0		33.00	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	12/1/2003	11/30/2010	14		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	14		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	14		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	28	742.82	0		2,500.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	30	3050.10	0		15,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	26	1133.73	0		7,000.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	13		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	14		0		0.05	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	14		0		0.11	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	14		0		0.20	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	13		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
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	2		0		0.83	ID	NA	<input type="checkbox"/>	NA		



## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0217\_02 Area upstream of Cattle Island

**USE** Fish Consumption Use

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

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID**    **0218**    **Wichita/North Fork Wichita River**

**AUID**    **0218\_01**    Lower end of segment to confluence with South Wichita River

**USE**    **Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	44		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	44		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	37		0		3,288.84	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	8		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	DDT	12/1/2003	11/30/2010	8		0		1.10	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	37		0		20.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	37		0		1,448.67	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	8		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	37		0		17,846.48	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Mercury	12/1/2003	11/30/2010	37		0		2.40	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	8		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Aldrin	12/1/2003	11/30/2010	8		0		3.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endrin	12/1/2003	11/30/2010	8		0		0.18	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	8		0		2.50	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	37		0		309.93	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	37		0		6,381.29	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	8		0		2.40	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	37		0		962.03	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	37		0		360.00	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID**

**0218\_01**

Lower end of segment to confluence with South Wichita River

**USE**

**Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Acute Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	8		0		0.78	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	8		0		0.52	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	35	8.66	0		1,195.22	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	35	1.49	0		5.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	35	7.19	0		797.11	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	6	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	DDT	12/1/2003	11/30/2010	6	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Mercury	12/1/2003	11/30/2010	35	0.01	0		1.30	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	6	0.02	0		0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	35	0.50	0		1,268.62	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	6	0.03	0		0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	35	0.25	0		53.34	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	6	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Endrin	12/1/2003	11/30/2010	6	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	35	7.83	0		95.33	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	6	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	35	0.10	0		6.78	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	35	3.99	0		190.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	6	0.03	0		0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	6	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0218\_01 Lower end of segment to confluence with South Wichita River

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	44		1	34.2	33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	44		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	44		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	126	11510.09	0		16,250.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	124	5126.13	0		7,500.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	124	2093.38	0		2,800.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	37		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	37		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	37		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	46		4	4.08	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	Dieldrin	12/1/2003	11/30/2010	14	0.00	0		0.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2003	11/30/2010	14	0.00	0		0.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	DDE	12/1/2003	11/30/2010	14	0.00	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	DDT	12/1/2003	11/30/2010	14	0.00	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2003	11/30/2010	14	0.00	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Mercury	12/1/2003	11/30/2010	62	0.01	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	69	0.30	0		3.83	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Endrin	12/1/2003	11/30/2010	14	0.05	0		0.20	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	DDD	12/1/2003	11/30/2010	14	0.01	0		0.01	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0218\_01 Lower end of segment to confluence with South Wichita River

**USE** Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	71	0.73	0		502.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2003	11/30/2010	14	0.00	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2003	11/30/2010	14	0.00	0		0.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2003	11/30/2010	14	0.00	0		0.00	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID**

**0218\_02**

From the confluence with South Wichita River to Confluence with Deadman Creek

**USE**

**Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	14		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	14		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	7		0		262.84	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	8		0		360.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	9		0		269.52	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	12		0		20.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	9		0		3,328.81	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	8		0		102.53	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	9		0		1,255.80	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	9		0		991.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	5		0		288.31	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	5	3.20	0		95.33	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	12	1.24	0		5.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	7	0.34	0		53.34	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	9	2.44	0		797.11	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	9	2.00	0		1,268.62	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	8	0.54	0		6.78	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	8	13.47	0		190.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	9	3.83	0		1,195.22	LD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	1		0		1.06	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	1		0		459.00	ID	NA	<input type="checkbox"/>	NA		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0218\_02 From the confluence with South Wichita River to Confluence with Deadman Creek

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Iron	12/1/2003	11/30/2010	1		0		40,000.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	1		0		2.20	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	1		0		48.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Manganese	12/1/2003	11/30/2010	1		0		1,100.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	1		0		128.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	1		0		149.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chromium	12/1/2003	11/30/2010	1		0		111.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Arsenic	12/1/2003	11/30/2010	1		0		33.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	1		0		4.98	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 Geomean	Fecal coliform	12/1/2003	11/30/2010	5	55.12	0		200.00	SM	NC	<input type="checkbox"/>	NC		
Bacteria Geomean	Enterococcus	12/1/2003	11/30/2010	3	905.97	1		33.00	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	12/1/2003	11/30/2010	14		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	14		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	14		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	126	11510.09	0		16,250.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	124	5126.13	0		7,500.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	124	2093.38	0		2,800.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	15		0		0.37	AD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0218\_02 From the confluence with South Wichita River to Confluence with Deadman Creek

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	15		1	30.4	14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	14		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	15		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	13		1	1.54	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	Lead	12/1/2003	11/30/2010	69	0.30	0		3.83	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Endrin	12/1/2003	11/30/2010	14	0.05	0		0.20	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	DDE	12/1/2003	11/30/2010	14	0.00	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	DDT	12/1/2003	11/30/2010	14	0.00	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2003	11/30/2010	14	0.00	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Mercury	12/1/2003	11/30/2010	62	0.01	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2003	11/30/2010	14	0.00	0		0.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2003	11/30/2010	14	0.00	0		0.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	DDD	12/1/2003	11/30/2010	14	0.01	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	71	0.73	0		502.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2003	11/30/2010	14	0.00	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2003	11/30/2010	14	0.00	0		0.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2003	11/30/2010	14	0.00	0		0.00	AD	FS	<input type="checkbox"/>	FS		



## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID**

**0218\_03**

From the confluence with Deadman Creek to the confluence with Middle Wichita River

**USE**

**Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	29		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	29		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	36		0		18,598.53	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	36		0		20.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	36		0		1,509.81	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	8		0		0.78	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	DDT	12/1/2003	11/30/2010	8		0		1.10	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	8		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	8		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Mercury	12/1/2003	11/30/2010	36		0		2.40	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	8		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Aldrin	12/1/2003	11/30/2010	8		0		3.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	8		0		0.52	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endrin	12/1/2003	11/30/2010	8		0		0.18	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	8		0		2.50	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	36		0		324.51	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	36		0		6,641.45	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	8		0		2.40	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	36		0		1,016.46	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	36		0		3,499.59	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	36		0		360.00	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID**

**0218\_03**

From the confluence with Deadman Creek to the confluence with Middle Wichita River

**USE**

**Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	29	8.73	0		1,195.22	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	29	3.41	0		5.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	29	7.41	0		797.11	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	6	0.03	0		0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	DDT	12/1/2003	11/30/2010	6	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	6	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Mercury	12/1/2003	11/30/2010	29	0.01	0		1.30	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	6	0.02	0		0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	6	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Endrin	12/1/2003	11/30/2010	6	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	6	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	29	7.77	0		95.33	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	29	0.72	0		1,268.62	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	6	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	29	0.13	0		6.78	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	29	2.85	0		190.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	29	0.33	0		53.34	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	6	0.03	0		0.06	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	12/1/2003	11/30/2010	29		0		33.90	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0218\_03 From the confluence with Deadman Creek to the confluence with Middle Wichita River

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
High pH	pH	12/1/2003	11/30/2010	29		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	29		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	124	2093.38	0		2,800.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	126	11510.09	0		16,250.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	124	5126.13	0		7,500.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	36		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	36		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	36		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	36		3	1.99	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	Heptachlor	12/1/2003	11/30/2010	14	0.00	0		0.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2003	11/30/2010	14	0.00	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	DDT	12/1/2003	11/30/2010	14	0.00	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Mercury	12/1/2003	11/30/2010	62	0.01	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	69	0.30	0		3.83	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2003	11/30/2010	14	0.00	0		0.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2003	11/30/2010	14	0.00	0		0.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	DDD	12/1/2003	11/30/2010	14	0.01	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	71	0.73	0		502.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2003	11/30/2010	14	0.00	0		0.00	AD	FS	<input type="checkbox"/>	FS		

**2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River**

**AUID** 0218\_03 From the confluence with Deadman Creek to the confluence with Middle Wichita River

**USE** Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chlordane	12/1/2003	11/30/2010	14	0.00	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	DDE	12/1/2003	11/30/2010	14	0.00	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Endrin	12/1/2003	11/30/2010	14	0.05	0		0.20	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID**

**0218\_04**

From the confluence with Middle Wichita River to confluence with Salt Creek

**USE**

**Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	38		1	4.8	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	38		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	37		0		21,554.52	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	37		0		20.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	37		0		1,750.17	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	8		0		0.78	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	DDT	12/1/2003	11/30/2010	8		0		1.10	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	8		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	8		0		0.52	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	8		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	8		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Aldrin	12/1/2003	11/30/2010	8		0		3.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endrin	12/1/2003	11/30/2010	8		0		0.18	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	8		0		2.50	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	37		0		382.45	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	37		0		7,660.87	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	8		0		2.40	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	37		0		1,237.38	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	37		0		360.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	37		0		4,369.28	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Mercury	12/1/2003	11/30/2010	37		0		2.40	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID**

**0218\_04**

From the confluence with Middle Wichita River to confluence with Salt Creek

**USE**

**Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	37	5.16	1		5.00	JQ	CN	<input checked="" type="checkbox"/>	CN	selenium in water	
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	37	9.97	0		797.11	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	8	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	DDT	12/1/2003	11/30/2010	8	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	37	0.21	0		6.78	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	8	0.03	0		0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	8	0.02	0		0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	37	12.63	0		1,195.22	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	8	0.03	0		0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	37	0.50	0		53.34	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	8	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Endrin	12/1/2003	11/30/2010	8	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	8	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	37	10.42	0		95.33	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	8	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Mercury	12/1/2003	11/30/2010	37	0.01	0		1.30	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	37	1.91	0		190.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	37	0.82	0		1,268.62	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	12/1/2003	11/30/2010	38		0		33.90	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0218\_04 From the confluence with Middle Wichita River to confluence with Salt Creek

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
High pH	pH	12/1/2003	11/30/2010	38		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	38		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	126	11510.09	0		16,250.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	124	5126.13	0		7,500.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	124	2093.38	0		2,800.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	37		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	37		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	37		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	37		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	Dieldrin	12/1/2003	11/30/2010	14	0.00	0		0.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	DDT	12/1/2003	11/30/2010	14	0.00	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2003	11/30/2010	14	0.00	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Mercury	12/1/2003	11/30/2010	62	0.01	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	69	0.30	0		3.83	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	DDE	12/1/2003	11/30/2010	14	0.00	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2003	11/30/2010	14	0.00	0		0.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	DDD	12/1/2003	11/30/2010	14	0.01	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	71	0.73	0		502.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2003	11/30/2010	14	0.00	0		0.01	AD	FS	<input type="checkbox"/>	FS		

**2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River**

**AUID** 0218\_04 From the confluence with Middle Wichita River to confluence with Salt Creek

**USE** Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Aldrin	12/1/2003	11/30/2010	14	0.00	0		0.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2003	11/30/2010	14	0.00	0		0.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Endrin	12/1/2003	11/30/2010	14	0.05	0		0.20	AD	FS	<input type="checkbox"/>	FS		



## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0218\_05 From the confluence with Salt Creek to end of segment

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010					5.00	JQ	CN	<input checked="" type="checkbox"/>	CN	selenium in water	

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	126	11510.09	0		16,250.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	124	5126.13	0		7,500.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	124	2093.38	0		2,800.00	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
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2003	11/30/2010	14	0.00	0		0.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2003	11/30/2010	14	0.00	0		0.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2003	11/30/2010	14	0.00	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	DDT	12/1/2003	11/30/2010	14	0.00	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Mercury	12/1/2003	11/30/2010	62	0.01	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	69	0.30	0		3.83	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2003	11/30/2010	14	0.00	0		0.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Endrin	12/1/2003	11/30/2010	14	0.05	0		0.20	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2003	11/30/2010	14	0.00	0		0.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	DDD	12/1/2003	11/30/2010	14	0.01	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2003	11/30/2010	14	0.00	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	DDE	12/1/2003	11/30/2010	14	0.00	0		0.01	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	71	0.73	0		502.00	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID 0218A Middle Fork Wichita River (unclassified water body)**

**AUID 0218A\_01** Entire segment

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	23		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	23		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	37		0		20.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	8		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	8		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	8		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	DDT	12/1/2003	11/30/2010	8		0		1.10	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	37		0		1,868.10	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	36		0		23,004.61	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Mercury	12/1/2003	11/30/2010	37		0		2.40	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	37		0		4,819.01	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	37		0		360.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	8		0		0.78	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Aldrin	12/1/2003	11/30/2010	8		0		3.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	8		0		0.52	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	37		0		1,349.60	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	8		0		2.40	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	37		0		8,159.28	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	36		0		411.21	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0218A\_01 Entire segment

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Acute Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	8		0		2.50	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endrin	12/1/2003	11/30/2010	8		0		0.18	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Endrin	12/1/2003	11/30/2010	5	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	5	0.02	0		0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	5	0.03	0		0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	DDT	12/1/2003	11/30/2010	5	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	5	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	23	6.51	0		138.98	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	23	9.13	1		5.00	JQ	CN	<input type="checkbox"/>	CN	selenium in water	
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	22	6.81	0		208.96	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	5	0.03	0		0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	5	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	23	0.33	0		3.87	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	5	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	22	8.80	0		16.38	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	23	0.53	0		234.48	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	5	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	23	0.11	0		1.34	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	23	1.25	0		190.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Mercury	12/1/2003	11/30/2010	23	0.01	0		1.30	AD	FS	<input type="checkbox"/>	FS		

**2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River**

**AUID** 0218A\_01 Entire segment

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	38		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	37		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	37		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	37		0		0.33	AD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID**    **0219**    **Lake Wichita**

**AUID**    **0219\_01**    Entire segment

**USE**    **Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	14		1	3.5	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	14		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 Geomean	E. coli	12/1/2003	11/30/2010	11	52.34	0		126.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	Fecal coliform	12/1/2003	11/30/2010	1	500.00	1		200.00	SM	NA	<input type="checkbox"/>	NA		
Bacteria Geomean	Enterococcus	12/1/2003	11/30/2010	1	10.00	0		35.00	SM	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	12/1/2003	11/30/2010	14		0		32.20	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	14		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	14		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	14	1229.07	0		1,800.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	14	488.07	0		1,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	14	188.67	0		400.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	14		4	0.14	0.05	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	11		11	91.76	26.70	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	13		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	14		4	0.26	0.11	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	13		6	0.28	0.20	AD	CS	<input type="checkbox"/>	CS	total phosphorus	

**2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River**

**AUID** 0219\_01 Entire segment

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Fish Kill Reports	Fish Kill Reports	12/1/2003	11/30/2010	4					OE	CN	<input type="checkbox"/>	CN	harmful algal bloom/golden alga	

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID 0220 Upper Pease/North Fork Pease River**

**AUID 0220\_01 Lower end to Middle Pease confluence**

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	22		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	22		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 Geomean	Fecal coliform	12/1/2003	11/30/2010	20	25.01	0		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	12/1/2003	11/30/2010	22		0		32.80	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	22		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	22		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	41	16037.80	0		30,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	40	7279.28	0		12,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	40	2375.25	0		3,500.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	24		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	22		1	17.4	14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	24		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	24		2	2.88	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	24		2	2.8	0.69	AD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0220\_02 Middle Pease to end of segment

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	16		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	16		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 Geomean	Fecal coliform	12/1/2003	11/30/2010	11	19.71	0		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	12/1/2003	11/30/2010	16		2	33.95	32.80	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	16		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	16		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	41	16037.80	0		30,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	40	7279.28	0		12,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	40	2375.25	0		3,500.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	16		1	3.31	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	15		0		14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	16		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	16		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	15		0		0.37	AD	NC	<input type="checkbox"/>	NC		



## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID**    0221    Middle Fork Pease River

**AUID**    0221\_01    Lower end of segment to South Pease River confluence

**USE**    Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	3		0		5.00	ID	NA	<input type="checkbox"/>	NA		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	3		0		3.00	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 Geomean	E. coli	12/1/2003	11/30/2010	3	338.77	1		126.00	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	12/1/2003	11/30/2010	3		0		32.80	ID	NA	<input type="checkbox"/>	NA		
High pH	pH	12/1/2003	11/30/2010	3		0		9.00	ID	NA	<input type="checkbox"/>	NA		
Low pH	pH	12/1/2003	11/30/2010	3		0		6.50	ID	NA	<input type="checkbox"/>	NA		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	3	2959.83	1		2,800.00	ID	NA	<input type="checkbox"/>	NA		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	2	817.00	0		870.00	ID	NA	<input type="checkbox"/>	NA		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	2	1104.50	0		1,400.00	ID	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	2		0		0.37	ID	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	2		1	14.2	14.10	ID	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	2		0		0.33	ID	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	2		0		1.95	ID	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	2		0		0.69	ID	NA	<input type="checkbox"/>	NA		

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**AUID** 0221\_02 Remainder of segment

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	3	2959.83	1		2,800.00	ID	NA	<input type="checkbox"/>	NA		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	2	817.00	0		870.00	ID	NA	<input type="checkbox"/>	NA		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	2	1104.50	0		1,400.00	ID	NA	<input type="checkbox"/>	NA		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID**    0222    Salt Fork Red River

**AUID**    0222\_01    Oklahoma State Line to Lake Creek confluence

**USE**    Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	27		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	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 Geomean	E. coli	12/1/2003	11/30/2010	17	216.80	1		126.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5c
Bacteria Geomean	Fecal coliform	12/1/2003	11/30/2010	10	79.39	0		200.00	SM	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	12/1/2003	11/30/2010	27		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	27		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	27		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	36	1138.53	0		1,400.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	36	2166.65	0		3,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	36	292.58	0		400.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	28		7	2.81	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	28		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	28		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	28		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	17		0		14.10	AD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0222\_02 Lake Creek to upper end of segment

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	8		0		5.00	LD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	8		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 Geomean	E. coli	12/1/2003	11/30/2010	8	70.28	0		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	12/1/2003	11/30/2010	8		0		33.90	LD	NC	<input type="checkbox"/>	NC		
High pH	pH	12/1/2003	11/30/2010	8		0		9.00	LD	NC	<input type="checkbox"/>	NC		
Low pH	pH	12/1/2003	11/30/2010	8		0		6.50	LD	NC	<input type="checkbox"/>	NC		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	36	1138.53	0		1,400.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	36	2166.65	0		3,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	36	292.58	0		400.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	7		0		1.95	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	7		0		0.37	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	8		0		0.33	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	7		0		0.69	LD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	8		0		14.10	LD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID 0222A Lelia Lake Creek (unclassified water body)**

**AUID 0222A\_01** Entire water body

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	28		2	3.4	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	28		1	2.8	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 Geomean	E. coli	12/1/2003	11/30/2010	27	53.86	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
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	25		0		14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	27		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	26		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	25		2	2.23	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	25		0		0.33	AD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID**    0223    Greenbelt Lake

**AUID**    0223\_01    Entire segment

**USE**    Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	25		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	25		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	10		0		459.00	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Iron	12/1/2003	11/30/2010	10		0		40,000.00	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	10		0		2.20	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	10		0		48.60	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	10		0		1.06	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	10		0		128.00	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	10		0		149.00	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Chromium	12/1/2003	11/30/2010	10		0		111.00	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	10		0		4.98	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Arsenic	12/1/2003	11/30/2010	10		0		33.00	AD	NC	<input type="checkbox"/>	NC		
Toxic Substances in sediment	Manganese	12/1/2003	11/30/2010	10		0		1,100.00	AD	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 Geomean	E. coli	12/1/2003	11/30/2010	22	1.15	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	12/1/2003	11/30/2010	25		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	25		0		9.00	AD	FS	<input type="checkbox"/>	FS		

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**AUID** 0223\_01 Entire segment

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Low pH	pH	12/1/2003	11/30/2010	25		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	25	124.60	0		200.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	25	476.75	0		750.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	25	69.76	0		250.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	25		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	25		0		0.05	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	25		1	0.12	0.11	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	25		0		0.20	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	23		0		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	Nitrate	12/1/2003	11/30/2010	25	0.02	0		10.00	AD	FS	<input type="checkbox"/>	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	25	0.94	0		4.00	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID**    0224    North Fork Red River

**AUID**    0224\_01    Oklahoma State Line to confluence with McClellan Creek

**USE**    Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	23		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	23		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 Geomean	E. coli	12/1/2003	11/30/2010	15	49.09	0		126.00	AD	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	Fecal coliform	12/1/2003	11/30/2010	8	86.22	0		200.00	SM	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	12/1/2003	11/30/2010	23		0		32.80	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	23		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	23		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	26	421.46	0		800.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	26	481.73	0		1,200.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	26	1644.43	0		2,500.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	26		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	26		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	26		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	16		0		14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	26		1	5.05	1.95	AD	NC	<input type="checkbox"/>	NC		



## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0224\_02 From McClellan Creek to upper end of segment

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	26	481.73	0		1,200.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	26	1644.43	0		2,500.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	26	421.46	0		800.00	AD	FS	<input type="checkbox"/>	FS		

**SEGID** 0224A McClellan Creek (unclassified water body)

**AUID** 0224A\_01 From the confluence with the North Fork Red River upstream to the Lake McClellan dam

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	25		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	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 Geomean	E. coli	12/1/2003	11/30/2010	25	170.33	1		126.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5b

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	25		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	25		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	25		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	25		0		0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	25		0		14.10	AD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID**    0226    South Fork Wichita River

**AUID**    0226\_01    Lower end of segment to SH 6

**USE**    Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	39		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	39		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Mercury	12/1/2003	11/30/2010	33		0		2.40	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	8		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	8		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	DDT	12/1/2003	11/30/2010	8		0		1.10	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	8		0		0.78	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	33		0		1,984.70	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	33		0		20.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	33		0		24,438.24	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	8		0		0.22	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Aldrin	12/1/2003	11/30/2010	8		0		3.00	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	8		0		0.52	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Endrin	12/1/2003	11/30/2010	8		0		0.18	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	8		0		2.50	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	33		0		439.85	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	33		0		8,651.06	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	8		0		2.40	LD	NC	<input type="checkbox"/>	NC		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	33		0		1,462.89	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0226\_01 Lower end of segment to SH 6

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	33		0		5,277.94	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	33		0		360.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	7	0.03	0		0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	31	11.53	0		2,230.76	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	31	1.44	0		5.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	31	7.56	0		1,489.16	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	7	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	DDT	12/1/2003	11/30/2010	7	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	7	0.03	0		0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	7	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	7	0.02	0		0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	31	6.08	0		190.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Mercury	12/1/2003	11/30/2010	31	0.01	0		1.30	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	31	0.28	0		136.41	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	31	0.10	0		12.09	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	7	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	31	0.49	0		2,321.06	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	31	9.45	0		179.03	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	7	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Endrin	12/1/2003	11/30/2010	7	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0226\_01 Lower end of segment to SH 6

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	39		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	39		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	39		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	80	20337.20	0		31,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	80	10491.10	0		12,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	80	2550.06	0		3,650.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	33		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	33		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	33		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	41		6	2.75	0.69	AD	NC	<input type="checkbox"/>	NC		

**AUID** 0226\_02 From SH 6 to confluence with Willow Creek

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	80	20337.20	0		31,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	80	10491.10	0		12,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	80	2550.06	0		3,650.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010						ID	NA	<input checked="" type="checkbox"/>	CS	ammonia	

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID**

**0226\_03**

From confluence with Willow Creek to confluence with Long Canyon Creek

**USE**

**Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	17		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	17		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	47		0		41,997.94	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	37		0		20.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	45		0		3,413.62	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	10		0		0.78	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	DDT	12/1/2003	11/30/2010	10		0		1.10	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	10		0		0.22	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	10		0		0.22	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Aldrin	12/1/2003	11/30/2010	10		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Mercury	12/1/2003	11/30/2010	47		0		2.40	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	10		0		0.22	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	46		0		360.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	10		0		0.52	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Endrin	12/1/2003	11/30/2010	10		0		0.18	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	10		0		2.50	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	37		0		803.90	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	47		0		14,612.42	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	10		0		2.40	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	37		0		11,921.02	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	47		0		3,011.32	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0226\_03 From confluence with Willow Creek to confluence with Long Canyon Creek

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Chronic Toxic Substances in water	Endosulfan sulfate	12/1/2003	11/30/2010	4	0.03	0		0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	16	1.06	0		5.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	17	11.39	0		2,230.76	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Toxaphene	12/1/2003	11/30/2010	4	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	DDT	12/1/2003	11/30/2010	4	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2003	11/30/2010	4	0.03	0		0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Mercury	12/1/2003	11/30/2010	17	0.01	0		1.30	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Endosulfan 2 (beta)	12/1/2003	11/30/2010	4	0.02	0		0.06	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Heptachlor	12/1/2003	11/30/2010	4	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Endrin	12/1/2003	11/30/2010	4	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Dieldrin	12/1/2003	11/30/2010	4	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	16	9.03	0		179.03	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	17	1.18	0		2,321.06	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chlordane	12/1/2003	11/30/2010	4	0.00	0		0.00	LD	NC	<input type="checkbox"/>	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	17	0.47	0		12.09	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	17	2.13	0		190.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	16	12.53	0		1,489.16	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	16	1.13	0		136.41	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	12/1/2003	11/30/2010	17		0		33.90	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0226\_03 From confluence with Willow Creek to confluence with Long Canyon Creek

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
High pH	pH	12/1/2003	11/30/2010	17		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	17		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	80	20337.20	0		31,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	80	10491.10	0		12,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	80	2550.06	0		3,650.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	47		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	43		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	47		20	0.73	0.33	AD	CS	<input type="checkbox"/>	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	40		0		0.69	AD	NC	<input type="checkbox"/>	NC		

**AUID** 0226\_04 Low-water dam to 0.5 mile upstream

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	80	20337.20	0		31,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	80	10491.10	0		12,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	80	2550.06	0		3,650.00	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID**    0228    Mackenzie Reservoir

**AUID**    0228\_01    Entire segment

**USE**    Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	14		0		5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	14		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	1		0		20.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	1	0.98	0		5.00	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 Geomean	E. coli	12/1/2003	11/30/2010	13	1.33	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	12/1/2003	11/30/2010	14		0		32.20	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	14		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	14		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	14	454.96	0		500.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	14	16.07	0		50.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	13	151.77	0		200.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	14		0		0.20	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	14		0		26.70	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	14		0		0.11	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	13		0		0.05	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	14		0		0.37	AD	NC	<input type="checkbox"/>	NC		



## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0228\_01 Entire segment

**USE** Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	2		0		250.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	2		0		0.60	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	2		0		4.38	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	2		0		0.13	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	2		0		35.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	2		0		0.04	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	2		0		0.83	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	2		0		0.53	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2003	11/30/2010	2		0		525.00	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2		0		0.61	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	2		0		0.25	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	2		0		0.06	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	2		0		5.25	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	2		0		0.23	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	2		0		0.04	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	2		0		0.14	ID	NA	<input type="checkbox"/>	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	2		0		0.20	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	Selenium	12/1/2003	11/30/2010	1	0.98	0		50.00	ID	NA	<input type="checkbox"/>	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	14	1.81	0		4.00	AD	FS	<input type="checkbox"/>	FS		

**2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River**

**AUID** 0228\_01 Entire segment

**USE** Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	14	0.04	0		10.00	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID**    **0229**    **Upper Prairie Dog Town Fork Red River**

**AUID**    **0229\_01**    Lower end of segment to Palo Duro State Park northern boundary

**USE**    **Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	27		2	4.35	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	27		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	24		0		991.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	23		0		360.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	24		0		137.04	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	24		0		1,550.25	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	14		0		60.86	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	22		0		364.66	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	24		0		4,137.97	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	26		0		20.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	24		0		335.14	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	24	2.00	0		473.25	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	24	3.00	0		287.40	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	26	0.34	0		5.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	24	3.25	0		431.61	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	14	2.53	0		34.07	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	24	0.28	0		2.63	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	23	10.33	0		190.00	AD	FS	<input type="checkbox"/>	FS		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	22	0.34	0		11.52	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0229\_01 Lower end of segment to Palo Duro State Park northern boundary

**USE** Aquatic Life Use

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)	12/1/2003	11/30/2010	1		0		550.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nitrobenzene	12/1/2003	11/30/2010	1		0		161.06	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	1,2,4-Trichlorobenzene	12/1/2003	11/30/2010	1		0		5,310.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Di-n-butyl phthalate	12/1/2003	11/30/2010	1		0		43.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2003	11/30/2010	1		0		1,050.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	1,3-Dichlorobenzene	12/1/2003	11/30/2010	1		0		350.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Pyrene	12/1/2003	11/30/2010	1		0		1,520.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Phenanthrene	12/1/2003	11/30/2010	1		0		1,170.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Naphthalene	12/1/2003	11/30/2010	1		0		561.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachloroethane	12/1/2003	11/30/2010	1		0		13,770.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	1,4-Dichlorobenzene	12/1/2003	11/30/2010	1		0		4,650.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Fluorene	12/1/2003	11/30/2010	1		0		536.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Fluoranthene	12/1/2003	11/30/2010	1		0		2,230.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2003	11/30/2010	1		0		140.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chrysene	12/1/2003	11/30/2010	1		0		1,290.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2003	11/30/2010	1		0		1,450.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Anthracene	12/1/2003	11/30/2010	1		0		845.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Acenaphthylene	12/1/2003	11/30/2010	1		0		130.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Acenaphthene	12/1/2003	11/30/2010	1		0		89.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	1		0		240.00	ID	NA	<input type="checkbox"/>	NA		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0229\_01 Lower end of segment to Palo Duro State Park northern boundary

**USE** Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	25	120.18	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	12/1/2003	11/30/2010	27		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	27		1	9.3	9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	27		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	55	1160.91	0		2,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	54	302.81	0		350.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	54	266.80	0		675.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	25		16	5.31	1.95	AD	CS	<input type="checkbox"/>	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	26		16	0.76	0.37	AD	CS	<input type="checkbox"/>	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	25		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	25		16	1	0.69	AD	CS	<input type="checkbox"/>	CS	total phosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	23		16	134.33	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	Chromium	12/1/2003	11/30/2010	24	2.00	0		502.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	22	0.34	0		3.83	AD	FS	<input type="checkbox"/>	FS		

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**AUID** 0229\_02 Palo Duro Canyon State Park upstream boundary to upper end of segment at Tanglewood Dam

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	28		3	3.83	5.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	28		1	2.8	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 Geomean	E. coli	12/1/2003	11/30/2010	27	32.55	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	12/1/2003	11/30/2010	28		0		33.90	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	28		10	9.4	9.00	AD	NS	<input type="checkbox"/>	NS	pH	5c
Low pH	pH	12/1/2003	11/30/2010	28		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	55	1160.91	0		2,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	54	302.81	0		350.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	54	266.80	0		675.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	28		23	0.81	0.37	AD	CS	<input type="checkbox"/>	CS	orthophosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	26		23	73.04	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	27		5	0.56	0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	28		21	5.17	1.95	AD	CS	<input type="checkbox"/>	CS	nitrate	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	27		20	1.09	0.69	AD	CS	<input type="checkbox"/>	CS	total phosphorus	

**USE** Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	24	2.00	0		502.00	AD	FS	<input type="checkbox"/>	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	22	0.34	0		3.83	AD	FS	<input type="checkbox"/>	FS		

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**SEGID 0229A Lake Tanglewood (unclassified water body)**

**AUID 0229A\_01** Entire lake

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	25		5	3.73	5.00	AD	CS	<input type="checkbox"/>	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	25		2	2.41	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 Geomean	E. coli	12/1/2003	11/30/2010	22	1.65	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
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	24		17	85.89	26.70	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	25		24	4.78	0.37	AD	CS	<input type="checkbox"/>	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	23		23	0.79	0.05	AD	CS	<input type="checkbox"/>	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	23		11	0.46	0.11	AD	CS	<input type="checkbox"/>	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	24		24	0.98	0.20	AD	CS	<input type="checkbox"/>	CS	total phosphorus	

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**SEGID 0230 Pease River**

**AUID 0230\_01 Red River to confluence with Mule Creek**

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	24		0		4.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	24		0		3.00	AD	FS	<input type="checkbox"/>	FS		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	2		0		244.63	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	2		0		1,171.02	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	2		0		20.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	2		0		2,388.98	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	2		0		5,195.06	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	2		0		724.72	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	2		0		360.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	2		0		991.00	ID	NA	<input type="checkbox"/>	NA		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	2		0		14,430.79	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	2	0.28	0		5.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	2	0.50	0		54.58	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	2	4.00	0		809.38	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	2	8.50	0		1,213.58	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	2	2.00	0		1,287.48	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	2	0.05	0		6.87	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	2	10.25	0		190.00	ID	NA	<input type="checkbox"/>	NA		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	2	3.00	0		96.80	ID	NA	<input type="checkbox"/>	NA		



## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0230\_01 Red River to confluence with Mule Creek

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	2		0		1.06	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Iron	12/1/2003	11/30/2010	2		0		40,000.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	2		0		459.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Arsenic	12/1/2003	11/30/2010	2		0		33.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	2		0		48.60	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Manganese	12/1/2003	11/30/2010	2		0		1,100.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	2		0		128.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	2		0		149.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Chromium	12/1/2003	11/30/2010	2		0		111.00	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	2		0		4.98	ID	NA	<input type="checkbox"/>	NA		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	2		0		2.20	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 Geomean	Fecal coliform	12/1/2003	11/30/2010	16	45.08	0		200.00	SM	FS	<input type="checkbox"/>	FS		
Bacteria Geomean	Enterococcus	12/1/2003	11/30/2010	1	1530.00	1		33.00	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	12/1/2003	11/30/2010	24		0		32.80	AD	FS	<input type="checkbox"/>	FS		
High pH	pH	12/1/2003	11/30/2010	24		0		9.00	AD	FS	<input type="checkbox"/>	FS		
Low pH	pH	12/1/2003	11/30/2010	24		0		6.50	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	26	3556.88	0		12,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	26	1644.19	0		3,500.00	AD	FS	<input type="checkbox"/>	FS		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0230\_01 Red River to confluence with Mule Creek

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	26	8558.65	0		30,000.00	AD	FS	<input type="checkbox"/>	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	23		1	13.5	1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	26		1	0.8	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	24		1	0.69	0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	24		2	0.89	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	24		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	Chromium	12/1/2003	11/30/2010	1	2.00	0		502.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	1	0.50	0		3.83	ID	NA	<input type="checkbox"/>	NA		

**AUID** 0230\_02 County line to end of segment

**USE** General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	26	8558.65	0		30,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	26	3556.88	0		12,000.00	AD	FS	<input type="checkbox"/>	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	26	1644.19	0		3,500.00	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
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	1	2.00	0		502.00	ID	NA	<input type="checkbox"/>	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	1	0.50	0		3.83	ID	NA	<input type="checkbox"/>	NA		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID 0230A Paradise Creek (unclassified water body)**

**AUID 0230A\_03** Lower 5 miles of water body

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	26		0		3.00	AD	NC	<input type="checkbox"/>	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	26		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	29		13	3149.38	394.00	SM	NS	<input type="checkbox"/>	NA	bacteria	5b
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	26	339.79	1		126.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5b

**USE General Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	26		2	3.95	0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	21		16	65.36	14.10	AD	CS	<input type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	26		9	6.68	1.95	AD	CS	<input type="checkbox"/>	CS	nitrate	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	26		1	0.97	0.69	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	26		0		0.33	AD	NC	<input type="checkbox"/>	NC		

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**AUID** 0230A\_04 Remainder of water body

**USE** Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	1		0		3.00	ID	NA	<input type="checkbox"/>	NA		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	1		0		2.00	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 Geomean	E. coli	12/1/2003	11/30/2010	1	180.00	1		126.00	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
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	1		0		0.69	ID	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	1		1	56.5	14.10	ID	NA	<input checked="" type="checkbox"/>	CS	chlorophyll-a	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	1		0		0.33	ID	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	1		1	0.39	0.37	ID	NA	<input type="checkbox"/>	NA		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	1		0		1.95	ID	NA	<input checked="" type="checkbox"/>	CS	nitrate	

## 2012 Texas Integrated Report: Assessment Results for Basin 2 - Red River

**SEGID 0299A Sweetwater Creek (unclassified water body)**

**AUID 0299A\_01** From Oklahoma State Line to confluence with Graham Creek

**USE Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2003	11/30/2010	40		6	3.75	5.00	AD	CS	<input type="checkbox"/>	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	40		1	2.4	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	44		16	1162.81	394.00	SM	NS	<input type="checkbox"/>	NA	bacteria	5b
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	39	171.74	1		126.00	AD	NS	<input type="checkbox"/>	NS	bacteria	5b

**USE General Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	40		0		14.10	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	40		0		1.95	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	40		0		0.37	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	40		0		0.33	AD	NC	<input type="checkbox"/>	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	40		1	0.7	0.69	AD	NC	<input type="checkbox"/>	NC		