2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

Report Abbreviations:	Description:		
SEGID:	Unique Segment identification alpha-numeric code; can be stream, reservoir, estuary, oyster waters, beach watch, etc.		
AUID:	Unique Assessment Unit code; this is a portion of the segment the AUID begins with and ends with _01, _02, etc. Some AUIDs are special units ending in "SA," or oyster water AUIDs are indicated by "OW" and beach watch AUIDs are indicated by abbreviations for name of beach in AUID.		
ASMT Start Date:	The start date of the period of record data for this method was selected; the official 2010 period of record is from 12/1/2001 to 11/30/2008. Assessors have the option of going back 10 years (12/1/1998) to select more data, according to assessment guidance.		
ASMT End Date:	The end date of the period of record data for this method was selected; the official 2010 period of record dates are 12/1/2001 to 11/30/2008. Assessors have the option of including more recently collected data than 12/01/2008, if available.		
# Assd:	Number of samples assessed; some data are averaged, as with profile data, some are eliminated because criteria do not apply during certain conditions such as low flow.		
Mean assd:	Mean of samples assessed; includes averaged methods like chronic criteria as well as geometric mean calculations for bacteria.		
# exceed:	The number of samples that exceed criteria for single sample, or binomial, methods (not averaged data).		
Mean exceed:	This is the mean of the samples that exceeded criteria for the single sample, or binomial, methods (not averaged data).		
Criteria:	Value that the data is compared against to determine level of support; Note: for acute metals in water, each value is compared to a calculated criteria and not all criteria could be reported here, only the minimum in the range of criteria calculated are included.		
DS Qual:	**Dataset Qualifier - indicates sample sizes:**		
	ID = Inadequate Data (less than 4)	**LD** = Limited Data (less than 9, greater than 3)	**AD** = Adequate Data (10 or more samples)
	JQ = Level of support is based on judgment of the assessor	**SR** = Spatially Not Representative, used with NA	**TR** = Temporally Not Representative, used with NA
	SM = This assessment method is superseded by another method	**OE** = Other information than ambient samples evaluated, generally information is provided by outside entity	
LOS:	**Level of support for this use, method, assessment parameter:**		
	FS = Fully Supporting	**NC** = No Concern	**CN** = Use Concern
	CS = Screening Level Concern	**NS** = Nonsupport	
CF:	Carry forward indicator check box: indicates that the Integrated level of support of **CS, CN**, or **NS** was carried forward from a previous assessment due to inadequate data for this method in this assessment.		
Int LOS:	Integrated level of support. This is the overall level of support for this use, method, parameter group, which could be different from the LOS (described above) due to carry forward information or other types of changes. New Code added in 2010: **PI** = Pending Issue		
TCEQ Cause:	This is the impairment description (e.g., bacteria, depressed dissolved oxygen, etc.)		
Cat:	**This is the assessment category assigned to this impairment. Subcategories as follows:**		
	Category 4: Standard is not supported or is threatened for one or more designated uses but does not require the development of a TMDL.		
	4a - TMDL has been completed and approved by EPA.Category.	**4b** - Other pollution control requirements are reasonably expected to result in the attainment of the water quality standard in the near future.	**4c** - Nonsupport of the water quality standard is not caused by a pollutant.
	Category 5: The water body does not meet applicable water quality standards or is threatened for one or more designated uses by one or more pollutants.		
	5a - A TMDL is underway, scheduled, or will be scheduled.	**5b** - A review of the water quality standards for this water body will be conducted before a TMDL is scheduled.	**5c** - Additional data and information will be collected before a TMDL is scheduled.

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

Segment New in 2010? No

SEGID 0101 Canadian River Below Lake Meredith

AUID 0101_01 — From the Oklahoma state line upstream to the confluence with Red Deer Creek east of Canadian

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2001	11/30/2008	28		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	28		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	28		3	445.33	394.00	AD	FS	☐	FS		
Bacteria Single Sample	Fecal coliform	12/1/2001	11/30/2008	6		0		400.00	SM	NC	☐	NC		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	28	47.24			126.00	AD	FS	☐	FS		
Bacteria Geomean	Fecal coliform	12/1/2001	11/30/2008	6	12.52			200.00	SM	NC	☐	NC		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2001	11/30/2008	28		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2001	11/30/2008	28		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2001	11/30/2008	28		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	88	2665.10			5,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	79	1143.52			1,975.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	79	374.16			760.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	28		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	28		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	28		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	28		0		0.33	AD	NC	☐	NC		

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

AUID 0101_02 — From the confluence with Red Deer Creek upstream to the confluence with White Deer Creek in Hutchinson County

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2001	11/30/2008	36		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	36		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	35		0		394.00	AD	FS	☐	FS		
Bacteria Single Sample	Fecal coliform	12/1/2001	11/30/2008	15		0		400.00	SM	FS	☐	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	35	28.07			126.00	AD	FS	☐	FS		
Bacteria Geomean	Fecal coliform	12/1/2001	11/30/2008	15	17.72			200.00	SM	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2001	11/30/2008	36		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2001	11/30/2008	36		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2001	11/30/2008	36		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	79	374.16			760.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	79	1143.52			1,975.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	88	2665.10			5,000.00	AD	FS	☐	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	26		2	1.65	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	27		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	27		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	27		4	17.9	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	27		0		1.95	AD	NC	☐	NC		

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AUID 0101_03 — From the confluence with White Deer Creek upstream to the confluence with Dixon Creek east of Borger

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2001	11/30/2008	28		1	4.9	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	28		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	10		0		3,967.63	AD	FS	☐	FS		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	11		0		0.80	AD	FS	☐	FS		
Acute Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	1		0		136.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	1		0		20.27	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	10		0		886.05	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2001	11/30/2008	9		0		219.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Phenanthrene	12/1/2001	11/30/2008	1		0		30.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	10		0		10,923.74	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	9		0		179.41	LD	NC	☐	NC		
Acute Toxic Substances in water	Carbaryl (Sevin)	12/1/2001	11/30/2008	1		0		2.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	11		0		499.97	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	11		0		360.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	10		0		991.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	9		0		1,596.56	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2001	11/30/2008	9	1.65			34.60	LD	NC	☐	NC		
Chronic Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	1	2.50			64.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	10	6.70			654.69	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	10	3.60			436.22	AD	FS	☐	FS		
Chronic Toxic Substances in water	Phenanthrene	12/1/2001	11/30/2008	1	2.50			30.00	ID	NA	☐	NA		

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

AUID 0101_03 — From the confluence with White Deer Creek upstream to the confluence with Dixon Creek east of Borger

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	9	2.67			51.90	LD	NC	☐	NC		
Chronic Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	1	3.00			9.46	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	10	1.95			708.37	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	11	0.58			3.88	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	11	7.32			190.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	9	0.68			21.56	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	27		6	1021.67	394.00	AD	FS	☐	FS		
Bacteria Single Sample	Fecal coliform	12/1/2001	11/30/2008	5		0		400.00	SM	NC	☐	NC		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	27	117.58			126.00	AD	FS	☐	FS		
Bacteria Geomean	Fecal coliform	12/1/2001	11/30/2008	5	40.53			200.00	SM	NC	☐	NC		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2001	11/30/2008	28		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2001	11/30/2008	28		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2001	11/30/2008	28		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	88	2665.10			5,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	79	1143.52			1,975.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	79	374.16			760.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	27		2	24.95	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	27		0		0.37	AD	NC	☐	NC		

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AUID 0101_03 — From the confluence with White Deer Creek upstream to the confluence with Dixon Creek east of Borger

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	27		4	2.44	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	25		17	0.56	0.33	AD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	26		0		0.69	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2001	11/30/2008	4	0.17			0.34	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2001	11/30/2008	4	1.94			5.84	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Nitrobenzene	12/1/2001	11/30/2008	1	2.50			233.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2001	11/30/2008	4	1.94			323.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2001	11/30/2008	4	1.94			12,586.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Pyridine	12/1/2001	11/30/2008	1	2.50			13,333.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2001	11/30/2008	4	2.00			415.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	1,2,4,5-Tetrachlorobenzene	12/1/2001	11/30/2008	1	0.12			0.24	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Cresols	12/1/2001	11/30/2008	1	5.00			13,116.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2001	11/30/2008	3	10.00			9,940,000.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	N-Nitrosodiethylamine	12/1/2001	11/30/2008	1	3.84			7.68	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	N-Nitroso-di-n-butylamine	12/1/2001	11/30/2008	1	2.50			13.50	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Pentachlorobenzene	12/1/2001	11/30/2008	1	2.50			6.68	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2001	11/30/2008	1	2.50			278.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2001	11/30/2008	4	1.94			73.90	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2001	11/30/2008	4	2.00			1,292.00	LD	NC	☐	NC		

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AUID 0101_03 — From the confluence with White Deer Creek upstream to the confluence with Dixon Creek east of Borger

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Benzo(a)pyrene	12/1/2001	11/30/2008	1	0.41			0.81	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2001	11/30/2008	4	4.71			10.90	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2001	11/30/2008	4	1.94			612.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Benzo(a)anthracene	12/1/2001	11/30/2008	1	0.41			0.81	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2001	11/30/2008	4	1.94			1,380.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2008	10	1.95			3,320.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chrysene	12/1/2001	11/30/2008	1	2.50			8.10	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorobutadiene (HCBD)	12/1/2001	11/30/2008	2	1.03			3.60	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	9	0.68			25.30	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Pentachlorophenol (PCP)	12/1/2001	11/30/2008	1	3.00			135.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	2,4,5-Trichlorophenol	12/1/2001	11/30/2008	1	2.50			1,069.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzene	12/1/2001	11/30/2008	4	1.94			106.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2001	11/30/2008	4	1.94			8.40	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	1	0.01			0.02	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzidine	12/1/2001	11/30/2008	1	0.00			0.00	ID	NA	☐	NA		

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AUID 0101_04 — From the confluence with Dixon Creek upstream to Sanford Dam in Hutchinson County

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2001	11/30/2008	4		0		5.00	LD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	4		0		3.00	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	1		1	750	394.00	ID	NA	☐	NA		
Bacteria Single Sample	Enterococcus	12/1/2001	11/30/2008	2		0		89.00	SM	NA	☐	NA		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	1	750.00			126.00	ID	NA	☐	NA		
Bacteria Geomean	Enterococcus	12/1/2001	11/30/2008	2	17.61			35.00	SM	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2001	11/30/2008	4		0		35.00	LD	NC	☐	NC		
High pH	pH	12/1/2001	11/30/2008	4		0		9.00	LD	NC	☐	NC		
Low pH	pH	12/1/2001	11/30/2008	4		0		6.50	LD	NC	☐	NC		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	88	2665.10			5,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	79	1143.52			1,975.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	79	374.16			760.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	4		3	33.1	14.10	LD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	4		0		1.95	LD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	4		0		0.37	LD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	4		4	0.7	0.33	LD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	4		0		0.69	LD	NC	☐	NC		

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Segment New in 2010? No

SEGID 0101A Dixon Creek (unclassified water body)

AUID 0101A_01 From the confluence with the Canadian River upstream to the confluence with the permitted outfall receiving waters tributary

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2001	11/30/2008	29		0		3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	29		0		2.00	AD	FS	☑	NS	depressed dissolved oxygen	5b
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2001	11/30/2008	3		0		3.00	ID	NA	☐	NA		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2001	11/30/2008	3		0		2.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2001	11/30/2008	12		0		599.89	AD	FS	☐	FS		
Acute Toxic Substances in water	Silver (ionic)	12/1/2001	11/30/2008	12		0		0.80	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2001	11/30/2008	13		0		466.78	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2001	11/30/2008	13		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2001	11/30/2008	13		0		5,760.43	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2001	11/30/2008	4		0		93.13	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2001	11/30/2008	13		0		2,135.43	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2001	11/30/2008	12		0		213.01	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2001	11/30/2008	13		0		991.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	12		0		360.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2001	11/30/2008	13	8.22			270.56	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2001	11/30/2008	13	3.32			180.03	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2001	11/30/2008	12	0.28			5.70	AD	FS	☐	FS		
Chronic Toxic Substances in water	Selenium	12/1/2001	11/30/2008	13	7.40			5.00	AD	NS	☐	NS	selenium in water	5c
Chronic Toxic Substances in water	Chromium	12/1/2001	11/30/2008	13	2.21			301.11	AD	FS	☐	FS		

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

AUID 0101A_01 — From the confluence with the Canadian River upstream to the confluence with the permitted outfall receiving waters tributary

USE Aquatic Life Use

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	Cadmium	12/1/2001	11/30/2008	12	0.37			1.71	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2001	11/30/2008	12	9.72			190.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2001	11/30/2008	4	3.35			21.26	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	24		11	916.55	394.00	AD	NS	☐	NS	bacteria	5b
Bacteria Single Sample	Fecal coliform	12/1/2001	11/30/2008	3		0		400.00	SM	NA	☐	NA		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	24	358.90			126.00	AD	NS	☐	NS	bacteria	5b
Bacteria Geomean	Fecal coliform	12/1/2001	11/30/2008	3	189.82			200.00	SM	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	28		6	0.99	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	27		2	28.85	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	28		1	2.34	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	28		19	4.84	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	28		2	0.72	0.69	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2001	11/30/2008	6	2.50			5.84	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2001	11/30/2008	6	5.45			10.90	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2001	11/30/2008	6	0.17			0.34	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2001	11/30/2008	6	10.00			9,940,000.00	LD	NC	☐	NC		

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

AUID **0101A_01** From the confluence with the Canadian River upstream to the confluence with the permitted outfall receiving waters tributary

USE **Fish Consumption Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chloroform	12/1/2001	11/30/2008	6	2.50			1,292.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2001	11/30/2008	6	2.50			415.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2001	11/30/2008	6	2.50			12,586.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2001	11/30/2008	6	2.50			323.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2001	11/30/2008	6	2.50			73.90	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2001	11/30/2008	6	2.50			1,380.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2001	11/30/2008	6	2.50			8.40	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Benzene	12/1/2001	11/30/2008	6	2.50			106.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2001	11/30/2008	6	2.50			612.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2001	11/30/2008	13	2.21			3,320.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2001	11/30/2008	12	0.28			25.30	AD	FS	☐	FS		

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

AUID 0101A_02 — From the confluence with the permitted outfall receiving waters tributary upstream to the confluence of the East, Middle, and West Forks of Dixon 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	12/1/2001	11/30/2008	5		0		3.00	LD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	5		0		2.00	LD	NC	☐	NC		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2001	11/30/2008	3		0		3.00	ID	NA	☐	NA		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2001	11/30/2008	3		0		2.00	ID	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	4		0		1.95	LD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	4		0		0.37	LD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	4		0		0.33	LD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	4		0		0.69	LD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	4		2	15.55	14.10	LD	CS	☐	CS	chlorophyll-a	

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

Segment New in 2010? No

SEGID 0101B Rock Creek (unclassified water body)

AUID 0101B_01 Appendix D, Perennial stream from the confluence with the Canadian River up to SH 136 in the City of Borger

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2001	11/30/2008	36		0		3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	36		0		2.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	Fecal coliform	12/1/2001	11/30/2008	10		2	3300	400.00	SM	FS	☐	FS		
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	31		8	6707.88	394.00	AD	FS	☑	NS	bacteria	5c
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	31	122.27			126.00	AD	FS	☐	FS		
Bacteria Geomean	Fecal coliform	12/1/2001	11/30/2008	10	82.93			200.00	SM	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	29		21	10.81	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	28		9	48.83	14.10	AD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	29		4	1.63	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	29		10	2.24	0.37	AD	CS	☐	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	29		2	0.55	0.33	AD	NC	☐	NC		

Segment New in 2010? Yes

SEGID 0101C White Deer Creek (unclassified water body)

AUID 0101C_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	12/1/2001	11/30/2008	5		0		3.00	LD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	5		0		2.00	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	5		0		394.00	LD	NC	☐	NC		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	5	45.63			126.00	LD	NC	☐	NC		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	7		0		1.95	LD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	7		0		0.37	LD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	7		0		0.33	LD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	7		0		0.69	LD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	7		0		14.10	LD	NC	☐	NC		

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

Segment New in 2010? No

SEGID 0102 Lake Meredith

AUID 0102_01 Reservoir downstream of a line from red starboard marker 14 at Blue West Campground to green port marker 11 north of Fritch Canyon

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2001	11/30/2008	21		0		6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	21		0		4.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2001	11/30/2008	1		0		20.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2001	11/30/2008	1	0.31			5.00	ID	NA	☐	NA		
Toxic Substances in sediment	Iron	12/1/2001	11/30/2008	5		0		40,000.00	LD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2001	11/30/2008	6		0		33.00	LD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2001	11/30/2008	6		0		4.98	LD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2001	11/30/2008	6		0		111.00	LD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2001	11/30/2008	6		0		149.00	LD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2001	11/30/2008	6		0		128.00	LD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2001	11/30/2008	6		0		1,100.00	LD	NC	☐	NC		
Toxic Substances in sediment	Mercury	12/1/2001	11/30/2008	4		0		459.00	LD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2001	11/30/2008	6		0		48.60	LD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2001	11/30/2008	6		0		2.20	LD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2001	11/30/2008	6		0		459.00	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	324		0		394.00	AD	FS	☐	FS		
Bacteria Single Sample	Fecal coliform	12/1/2001	11/30/2008	83		0		400.00	SM	FS	☐	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	324	1.09			126.00	AD	FS	☐	FS		

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

AUID 0102_01 — Reservoir downstream of a line from red starboard marker 14 at Blue West Campground to green port marker 11 north of Fritch Canyon

USE Recreation Use

Method	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	12/1/2001	11/30/2008	83	2.19			200.00	SM	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2001	11/30/2008	98		0		29.40	AD	FS	☐	FS		
High pH	pH	12/1/2001	11/30/2008	98		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2001	11/30/2008	98		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	137	1760.17			1,300.00	AD	NS	☐	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2001	11/30/2008	136	521.63			400.00	AD	NS	☐	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	134	414.28			350.00	AD	NS	☐	NS	sulfate	5c
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	20		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	86		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	21		0		0.05	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	20		0		0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	21		2	37.5	26.70	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2001	11/30/2008						OE	NS	☐	NS	mercury in edible tissue	5c
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2001	11/30/2008						ID	NA	☑	CS	mercury in edible tissue	

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	101	0.73			4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	86	0.03			10,000.00	AD	FS	☐	FS		

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

AUID **0102_01** Reservoir downstream of a line from red starboard marker 14 at Blue West Campground to green port marker 11 north of Fritch Canyon

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Selenium	12/1/2001	11/30/2008	1	0.31			50.00	ID	NA	☐	NA		

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

AUID 0102_02 — Reservoir upstream of a line from red starboard marker 14 at Blue West Campground to green port marker 11 north of Fritch Canyon

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2001	11/30/2008	15		0		6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	15		0		4.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	72		0		394.00	AD	FS	☐	FS		
Bacteria Single Sample	Fecal coliform	12/1/2001	11/30/2008	51		0		400.00	SM	FS	☐	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	72	1.16			126.00	AD	FS	☐	FS		
Bacteria Geomean	Fecal coliform	12/1/2001	11/30/2008	51	2.31			200.00	SM	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2001	11/30/2008	15		0		29.40	AD	FS	☐	FS		
High pH	pH	12/1/2001	11/30/2008	15		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2001	11/30/2008	15		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	134	414.28			350.00	AD	NS	☐	NS	sulfate	5c
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	137	1760.17			1,300.00	AD	NS	☐	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2001	11/30/2008	136	521.63			400.00	AD	NS	☐	NS	chloride	5c
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	15		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	15		0		0.05	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	15		1	0.19	0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	15		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	15		0		26.70	AD	NC	☐	NC		

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

AUID 0102_02 — Reservoir upstream of a line from red starboard marker 14 at Blue West Campground to green port marker 11 north of Fritch Canyon

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2001	11/30/2008						OE	NS	☐	NS	mercury in edible tissue	5c
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2001	11/30/2008						ID	NA	☑	CS	mercury in edible tissue	

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	15	0.68			4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	15	0.03			10,000.00	AD	FS	☐	FS		

Segment New in 2010? No

SEGID 0102A Big Blue Creek (unclassified water body)

AUID 0102A_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	12/1/2001	11/30/2008	12		0		2.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	12		0		1.50	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	Fecal coliform	12/1/2001	11/30/2008	3		0		400.00	SM	NA	☐	NA		
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	12		2	705	394.00	AD	FS	☐	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	12	103.06			126.00	AD	FS	☐	FS		
Bacteria Geomean	Fecal coliform	12/1/2001	11/30/2008	3	59.16			200.00	SM	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	12		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	12		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	12		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	12		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	12		1	22.5	14.10	AD	NC	☐	NC		

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

Segment New in 2010? No

SEGID 0103 Canadian River Above Lake Meredith

AUID 0103_01 From the headwaters of Lake Meredith upstream to the confluence with Sand 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	12/1/2001	11/30/2008	58		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	58		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	26		5	6348	394.00	AD	FS	☐	FS		
Bacteria Single Sample	Fecal coliform	12/1/2001	11/30/2008	5		0		400.00	SM	NC	☐	NC		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	26	90.75			126.00	AD	FS	☐	FS		
Bacteria Geomean	Fecal coliform	12/1/2001	11/30/2008	5	33.00			200.00	SM	NC	☐	NC		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2001	11/30/2008	58		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2001	11/30/2008	58		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2001	11/30/2008	58		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	81	3282.83			4,500.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	60	1524.32			1,050.00	AD	NS	☐	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	60	422.13			540.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	43		3	3.26	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	43		1	0.44	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	43		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	25		3	4.55	0.69	AD	NC	☐	NC		

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

AUID **0103_01** From the headwaters of Lake Meredith upstream to the confluence with Sand 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	12/1/2001	11/30/2008	7		1	25.8	14.10	LD	NC	☐	NC		

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

AUID 0103_02 — From the confluence with Sand Creek upstream to the confluence with Punta de Agua 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	12/1/2001	11/30/2008	28		1	4.6	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	28		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	27		3	1830	394.00	AD	FS	☐	FS		
Bacteria Single Sample	Fecal coliform	12/1/2001	11/30/2008	5		0		400.00	SM	NC	☐	NC		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	27	73.24			126.00	AD	FS	☐	FS		
Bacteria Geomean	Fecal coliform	12/1/2001	11/30/2008	5	48.82			200.00	SM	NC	☐	NC		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2001	11/30/2008	28		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2001	11/30/2008	28		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2001	11/30/2008	28		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	81	3282.83			4,500.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	60	1524.32			1,050.00	AD	NS	☐	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	60	422.13			540.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	26		4	50.08	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	28		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	26		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	27		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	28		3	8.99	0.69	AD	NC	☐	NC		

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

AUID 0103_03 — From the confluence with Punta de Agua Creek upstream to the New Mexico State Line

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2001	11/30/2008	25		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	25		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	24		0		394.00	AD	FS	☐	FS		
Bacteria Single Sample	Fecal coliform	12/1/2001	11/30/2008	5		0		400.00	SM	NC	☐	NC		
Bacteria Single Sample	Enterococcus	12/1/2001	11/30/2008	1		0		89.00	SM	NA	☐	NA		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	24	15.71			126.00	AD	FS	☐	FS		
Bacteria Geomean	Fecal coliform	12/1/2001	11/30/2008	5	14.02			200.00	SM	NC	☐	NC		
Bacteria Geomean	Enterococcus	12/1/2001	11/30/2008	1	10.00			35.00	SM	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2001	11/30/2008	25		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2001	11/30/2008	25		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2001	11/30/2008	25		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	60	422.13			540.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	81	3282.83			4,500.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	60	1524.32			1,050.00	AD	NS	☐	NS	chloride	5c
Enterococci (1006, 1007) single sample	Enterococcus	12/1/2001	11/30/2008	1		0		89.00	ID	NA	☐	NA		
Enterococci (1006, 1007) geometric mean	Enterococcus	12/1/2001	11/30/2008	1	10.00			89.00	ID	NA	☐	NA		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	24		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	25		0		0.37	AD	NC	☐	NC		

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

AUID **0103_03** From the confluence with Punta de Agua Creek upstream to the New Mexico State Line

USE **General Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	24		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	24		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	25		1	16	14.10	AD	NC	☐	NC		

Segment New in 2010? No

SEGID 0103A East Amarillo Creek (unclassified water body)

AUID 0103A_01 From the confluence with the Canadian River upstream to the Thompson Park Lake spillway

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2001	11/30/2008	42		0		2.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	42		0		1.50	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	Fecal coliform	12/1/2001	11/30/2008	22		3	546.67	400.00	SM	FS	☐	FS		
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	41		12	1974.92	394.00	AD	CN	☐	PI	bacteria	
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	41	119.42			126.00	AD	FS	☐	FS		
Bacteria Geomean	Fecal coliform	12/1/2001	11/30/2008	22	50.86			200.00	SM	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	27		19	14.94	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	27		11	48.32	14.10	AD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	27		2	1.2	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	26		5	1.57	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	27		1	0.78	0.33	AD	NC	☐	NC		

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

AUID 0103A_02 — From the Thompson Park Lake spillway upstream to the headwaters of the lake

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2001	11/30/2008	13		0		2.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	13		0		1.50	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	13		2	2400	394.00	AD	FS	☐	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	13	71.11			126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	13		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	13		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	13		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	13		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	13		11	66.52	14.10	AD	CS	☐	CS	chlorophyll-a	

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

Segment New in 2010? Yes

SEGID 0103C Unnamed Tributary to West Amarillo Creek (unclassified water body)

AUID 0103C_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	12/1/2001	11/30/2008	12		0		3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	12		0		2.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	12		3	1816.33	394.00	AD	FS	☐	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	12	168.38			126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	12		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	12		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	12		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	12		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	12		5	52.32	14.10	AD	CS	☐	CS	chlorophyll-a	

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

Segment New in 2010? No

SEGID 0104 Wolf Creek

AUID 0104_01 From the Oklahoma State Line upstream to the confluence with Plum Creek

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2001	11/30/2008	21		1	4.6	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	21		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	21		1	410	394.00	AD	FS	☐	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	21	41.59			126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2001	11/30/2008	21		1	35	33.90	AD	FS	☐	FS		
High pH	pH	12/1/2001	11/30/2008	21		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2001	11/30/2008	21		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	62	41.33			125.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	62	541.34			1,125.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	62	197.79			420.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	21		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	21		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	21		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	21		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	21		0		14.10	AD	NC	☐	NC		

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

AUID 0104_02 — From the confluence with Plum Creek upstream to Lake Fryer Dam

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2001	11/30/2008	25		2	3.5	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	25		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	25		5	881.6	394.00	AD	FS	☐	FS		
Bacteria Single Sample	Fecal coliform	12/1/2001	11/30/2008	3		0		400.00	SM	NA	☐	NA		
Bacteria Geomean	Fecal coliform	12/1/2001	11/30/2008	3	106.44			200.00	SM	NA	☐	NA		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	25	130.44			126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2001	11/30/2008	25		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2001	11/30/2008	25		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2001	11/30/2008	25		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	62	541.34			1,125.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	62	197.79			420.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	62	41.33			125.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	25		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	24		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	25		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	25		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	25		2	21.75	14.10	AD	NC	☐	NC		

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

AUID 0104_03 — From the Lake Fryer Dam to a point 2.0 km (1.2 mi.) upstream of FM 3045 in Ochiltree County

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2001	11/30/2008	24		1	4.75	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	24		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	23		0		394.00	AD	FS	☐	FS		
Bacteria Single Sample	Fecal coliform	12/1/2001	11/30/2008	4		0		400.00	SM	NC	☐	NC		
Bacteria Geomean	Fecal coliform	12/1/2001	11/30/2008	4	1.93			200.00	SM	NC	☐	NC		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	23	2.58			126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2001	11/30/2008	24		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2001	11/30/2008	24		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2001	11/30/2008	24		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	62	541.34			1,125.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	62	197.79			420.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	62	41.33			125.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	24		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	24		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	24		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	24		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	24		14	33.34	14.10	AD	CS	☐	CS	chlorophyll-a	

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

Segment New in 2010? No

SEGID 0105 Rita Blanca Lake

AUID 0105_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	12/1/2001	11/30/2008	23		0		3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	23		0		2.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	23		3	593.33	394.00	AD	FS	☐	FS		
Bacteria Single Sample	Fecal coliform	12/1/2001	11/30/2008	2		0		400.00	SM	NA	☐	NA		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	23	31.64			126.00	AD	FS	☐	FS		
Bacteria Geomean	Fecal coliform	12/1/2001	11/30/2008	2	75.83			200.00	SM	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2001	11/30/2008	23		0		29.40	AD	FS	☐	FS		
High pH	pH	12/1/2001	11/30/2008	23		19	9.9	9.00	AD	NS	☐	NS	pH	5b
Low pH	pH	12/1/2001	11/30/2008	23		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	23	856.68			1,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	21	188.00			200.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	21	84.33			200.00	AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	20		13	3.09	0.11	AD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	21		21	3.47	0.20	AD	CS	☐	CS	total phosphorus	
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	21		19	1.05	0.05	AD	CS	☐	CS	orthophosphorus	
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	20		8	1.82	0.37	AD	CS	☐	CS	nitrate	

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

AUID **0105_01** Entire water body

USE **General Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	21		18	863.21	26.70	AD	CS	☐	CS	chlorophyll-a	

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

Segment New in 2010? No

SEGID 0199A Palo Duro Reservoir (unclassified water body)

AUID 0199A_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	12/1/2001	11/30/2008	14		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	14		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2001	6/23/2009	10		1	4.8	5.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2001	6/23/2009	10		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2001	11/30/2008	1		0		20.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2001	11/30/2008	1	0.13			5.00	ID	NA	☐	NA		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	13		0		394.00	AD	FS	☐	FS		
Bacteria Single Sample	Fecal coliform	12/1/2001	11/30/2008	3		0		400.00	SM	NA	☐	NA		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	13	2.19			126.00	AD	FS	☐	FS		
Bacteria Geomean	Fecal coliform	12/1/2001	11/30/2008	3	1.59			200.00	SM	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	13		7	0.27	0.05	AD	CS	☐	CS	orthophosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	13		4	62	26.70	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	13		2	0.99	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	13		5	0.44	0.20	AD	CS	☐	CS	total phosphorus	
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	11		4	0.39	0.11	AD	CS	☐	CS	ammonia	

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AUID 0199A_01 Entire water body

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2001	11/30/2008	2		1	0.58	0.53	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2001	11/30/2008	2		0		0.83	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2001	11/30/2008	2		0		525.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2001	11/30/2008	2		0		4.38	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2001	11/30/2008	2		0		0.13	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2001	11/30/2008	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2001	11/30/2008	2		0		0.60	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2001	11/30/2008	2		0		0.61	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2001	11/30/2008	2		0		0.20	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2001	11/30/2008	2		0		0.06	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2001	11/30/2008	2		0		250.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2001	11/30/2008	2		0		5.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2001	11/30/2008	2		0		0.23	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2001	11/30/2008	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2001	11/30/2008	2		0		0.14	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2001	11/30/2008	2		0		0.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2001	11/30/2008	2		0		35.00	ID	NA	☐	NA		

2010 Texas Water Quality Inventory: Assessment Results for Basin 1 - Canadian River

Segment New in 2010? Yes

SEGID 0199B Kiowa Creek (unclassified water body)

AUID 0199B_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	12/1/2001	11/30/2008	4		0		3.00	JQ	NA	☐	NA		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	4		0		2.00	JQ	NA	☐	NA		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	4		1	1540	394.00	JQ	NA	☐	NA		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	4	273.06			126.00	JQ	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	4		0		1.95	JQ	NA	☐	NA		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	4		2	0.49	0.37	JQ	NA	☐	NA		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	4		0		0.33	JQ	NA	☐	NA		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	4		0		0.69	JQ	NA	☐	NA		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	4		2	32.9	14.10	JQ	NA	☐	NA		