2012 Texas Integrated Report: 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 2012 period of record is from 12/1/2003 to 11/30/2010. Assessors have the option of going back 10 years (12/1/2000) to select more data, according to assessment guidance.
ASMT End Date	The end date of the period of record data for this method was selected; the official 2012 period of record dates are 12/1/2003 to 11/30/2010. Assessors have the option of including more recently collected data than 12/01/2010, if available.
# Assd:	Number of samples assessed; some data are averaged, as with profile data, some are eliminated because criteria do not apply during certain conditions such as low flow.
Mean Assd:	Mean of samples assessed; includes averaged methods like chronic criteria as well as geometric mean calculations for bacteria.
# Exceed:	The number of samples that exceed criteria for single sample, or binomial, methods (not averaged data).
Mean Exceed:	This is the mean of the samples that exceeded criteria for the single sample, or binomial, methods (not averaged data).
Criteria:	Value that the data is compared against to determine level of support; Note: for acute metals in water, each value is compared to a calculated criteria and not all criteria could be reported here, only the minimum in the range of criteria calculated are included.
DS Qual:	*Dataset Qualifier - indicates sample sizes:* **AD** = Adequate Data (10 or more samples) **LD** = Limited Data (less than 9, greater than 3) **ID** = Inadequate Data (less than 4) **JQ** = Level of support is based on judgment of the assessor **SM** = This assessment method is superseded by another method **TR** = Temporally Not Representative, used with NA **SR** = Spatially Not Representative, used with NA **OE** = Other information than ambient samples evaluated, generally information is provided by outside entity
LOS:	*Level of support for this use, method, assessment parameter:* **FS** = Fully Supporting **NC** = No Concern **NA** = Not Assessed **NS** = Nonsupport **CS** = Screening Level Concern **CN** = Use Concern
CF:	Carry forward indicator check box: indicates that the Integrated level of support of CS, CN, or NS was carried forward from a previous assessment due to inadequate data for this method in this assessment.
Int LOS:	Integrated level of support. This is the overall level of support for this use, method, parameter group, which could be different from the LOS (described above) due to carry forward information or other types of changes. New Code added in 2010: PI = Pending Issue
TCEQ Cause	This is the impairment description (e.g., bacteria, depressed dissolved oxygen, etc.)
Cat:	*This is the assessment category assigned to this impairment. Subcategories as follows:* **Category 4**: Standard is not supported or is threatened for one or more designated uses but does not require the development of a TMDL. **4a** - TMDL has been completed and approved by EPA.Category. **4b** - Other pollution control requirements are reasonably expected to result in the attainment of the water quality standard in the near future. **4c** - Nonsupport of the water quality standard is not caused by a pollutant. **Category 5**: The water body does not meet applicable water quality standards or is threatened for one or more designated uses by one or more pollutants. **5a** - A TMDL is underway, scheduled, or will be scheduled. **5b** - A review of the water quality standards for this water body will be conducted before a TMDL is scheduled. **5c** - Additional data and information will be collected before a TMDL is scheduled.

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SEGID 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	12/1/2003	11/30/2010	28		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	28		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	28	46.58	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	28		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	28		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	28		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	93	2977.55	0		5,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	95	1296.43	0		1,975.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	94	390.18	0		760.00	AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	28		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	28		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	28		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	28		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	28		0		14.10	AD	NC	☐	NC		

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

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	1,1,1-Trichloroethane	12/1/2003	11/30/2010	2	2.50	0		956,663.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	2	2.50	0		7,143.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	2	2.50	0		5,926.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	2	10.00	0		1,500,000.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	2	1.07	0		2.13	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	2	2.50	0		7,143.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	2	2.50	0		295.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bromoform	12/1/2003	11/30/2010	2	2.50	0		2,175.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	2	2.50	0		49.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	2	2.50	0		76.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	2	2.50	0		513.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2003	11/30/2010	2	2.50	0		226.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	6	2.00	0		502.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	2	2.50	0		24.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	2	2.50	0		649.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2003	11/30/2010	2	2.50	0		322.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	2	1.90	0		3.80	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	2	2.50	0		29.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2003	11/30/2010	2	2.50	0		5,201.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2003	11/30/2010	2	2.50	0		553.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	2	2.50	0		23,916.00	ID	NA	☐	NA		

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

USE **Fish Consumption Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	5	0.50	0		3.83	LD	NC	☐	NC		

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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	12/1/2003	11/30/2010	28		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	28		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	27	44.47	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	28		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	28		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	28		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	94	390.18	0		760.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	93	2977.55	0		5,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	95	1296.43	0		1,975.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	28		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	28		1	2.81	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	28		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	28		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	28		3	17.23	14.10	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	2	2.50	0		5,926.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	2	2.50	0		49.00	ID	NA	☐	NA		

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

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Bromoform	12/1/2003	11/30/2010	2	2.50	0		2,175.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	2	2.50	0		956,663.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	2	2.50	0		295.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	2	2.50	0		24.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	2	2.50	0		7,143.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	2	10.00	0		1,500,000.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2003	11/30/2010	2	2.50	0		322.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	2	2.50	0		76.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	2	1.07	0		2.13	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	2	2.50	0		513.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	2	2.50	0		7,143.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	6	2.00	0		502.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	2	2.50	0		649.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2003	11/30/2010	2	2.50	0		5,201.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	2	2.50	0		29.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	2	1.90	0		3.80	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2003	11/30/2010	2	2.50	0		553.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	2	2.50	0		23,916.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2003	11/30/2010	2	2.50	0		226.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	5	0.50	0		3.83	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 Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean 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	4.9	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	28		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	5		0		1,596.56	LD	NC	☐	NC		
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	6		0		886.05	LD	NC	☐	NC		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	7		0		20.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	6		0		10,923.74	LD	NC	☐	NC		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	5		0		179.41	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	6		0		3,967.63	LD	NC	☐	NC		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	7		0		499.97	LD	NC	☐	NC		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	6		0		991.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	7		0		360.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	5	2.40	0		25.31	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	7	1.81	0		5.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	6	3.33	0		214.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	5	0.50	0		7.40	LD	NC	☐	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	7	0.07	0		2.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	7	7.28	0		190.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	6	5.50	0		321.52	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	6	2.00	0		355.87	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 Recreation Use

Method	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	171.90	1		126.00	AD	NS	☐	NS	bacteria	5c

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	28		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	28		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	28		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	93	2977.55	0		5,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	95	1296.43	0		1,975.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	94	390.18	0		760.00	AD	FS	☐	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	27		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	25		3	23.5	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	26		16	0.56	0.33	AD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	27		1	2.58	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	24		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	Bromoform	12/1/2003	11/30/2010	2	2.50	0		2,175.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	2	2.50	0		5,926.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	2	10.00	0		1,500,000.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	2	1.07	0		2.13	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	2	2.50	0		7,143.00	ID	NA	☐	NA		

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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	Vinyl chloride	12/1/2003	11/30/2010	2	2.50	0		24.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	2	2.50	0		7,143.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	2	2.50	0		956,663.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	2	2.50	0		49.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	2	2.50	0		76.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	5	0.50	0		3.83	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	2	2.50	0		295.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	6	2.00	0		502.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	2	2.50	0		649.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	2	2.50	0		513.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2003	11/30/2010	2	2.50	0		322.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	2	2.50	0		29.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2003	11/30/2010	2	2.50	0		226.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2003	11/30/2010	2	2.50	0		5,201.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2003	11/30/2010	2	2.50	0		553.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	2	2.50	0		23,916.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	2	1.90	0		3.80	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	12/1/2003	11/30/2010	12		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	12		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	2	220.79	1		126.00	ID	NA	☐	NA		
Bacteria Geomean	Enterococcus	12/1/2003	11/30/2010	2	17.61	0		35.00	ID	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	12		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	12		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	12		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	94	390.18	0		760.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	93	2977.55	0		5,000.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	95	1296.43	0		1,975.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	12		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	11		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	12		11	0.84	0.33	AD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	11		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	10		7	61.03	14.10	AD	CS	☐	CS	chlorophyll-a	

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	2	10.00	0		1,500,000.00	ID	NA	☐	NA		

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

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	2	2.50	0		49.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bromoform	12/1/2003	11/30/2010	2	2.50	0		2,175.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	2	2.50	0		956,663.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	2	2.50	0		513.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	2	2.50	0		295.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	2	2.50	0		24.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	2	1.07	0		2.13	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	2	2.50	0		76.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	2	2.50	0		5,926.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	2	2.50	0		7,143.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	2	2.50	0		649.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	2	2.50	0		29.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	2	2.50	0		7,143.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	2	1.90	0		3.80	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	5	0.50	0		3.83	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2003	11/30/2010	2	2.50	0		322.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2003	11/30/2010	2	2.50	0		5,201.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2003	11/30/2010	2	2.50	0		553.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	2	2.50	0		23,916.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2003	11/30/2010	2	2.50	0		226.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	6	2.00	0		502.00	LD	NC	☐	NC		

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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	12/1/2003	11/30/2010	28		0		4.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	28		0		2.00	AD	FS	☑	NS	depressed dissolved oxygen	5c
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2010	21		0		402.42	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2010	20		0		480.02	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	21		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2010	21		0		4,967.25	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2010	8		0		74.59	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2010	21		0		1,850.12	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	20		0		174.83	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2010	21		0		991.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	20		0		360.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2010	20	0.40	0		1.71	AD	FS	☐	FS		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	21	6.36	1		5.00	AD	NS	☐	NS	selenium in water	5c
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2010	21	3.36	0		180.03	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2010	21	6.04	0		270.56	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2010	20	0.32	0		5.70	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2010	21	2.13	0		301.11	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2010	20	10.74	0		190.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2010	8	2.22	0		21.26	LD	NC	☐	NC		

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

USE Recreation Use

Method	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	306.36	1		126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	25		1	28.8	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	28		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	28		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	28		1	0.39	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	28		17	4.92	1.95	AD	CS	☐	CS	nitrate	

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	10	1.07	0		2.13	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	10	4.75	0		7,143.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	10	4.75	0		7,143.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	9	2.50	0		24.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	10	4.75	0		295.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	10	4.75	0		956,663.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromoform	12/1/2003	11/30/2010	10	4.75	0		2,175.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	10	4.70	0		49.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	10	4.75	0		76.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	9	10.00	0		1,500,000.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	10	4.75	0		649.00	AD	FS	☐	FS		

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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	1,2-Dichloropropane	12/1/2003	11/30/2010	10	4.75	0		226.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	10	4.75	0		5,926.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	9	1.90	0		3.80	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	20	0.32	0		3.83	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	10	4.75	0		513.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2003	11/30/2010	10	4.75	0		322.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	10	3.70	0		29.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2003	11/30/2010	10	4.75	0		5,201.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2003	11/30/2010	10	4.75	0		553.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	10	4.75	0		23,916.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	21	2.13	0		502.00	AD	FS	☐	FS		

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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 General Use

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	4		2	15.55	14.10	LD	CS	☑	CS	chlorophyll-a	

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2003	11/30/2010	10	4.75	0		295.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2003	11/30/2010	10	4.70	0		49.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromoform	12/1/2003	11/30/2010	10	4.75	0		2,175.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2003	11/30/2010	10	4.75	0		956,663.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2003	11/30/2010	9	2.50	0		24.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2003	11/30/2010	10	4.75	0		7,143.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2003	11/30/2010	10	1.07	0		2.13	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2003	11/30/2010	10	4.75	0		76.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2003	11/30/2010	10	4.75	0		5,926.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2003	11/30/2010	10	3.70	0		29.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2003	11/30/2010	9	10.00	0		1,500,000.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2003	11/30/2010	20	0.32	0		3.83	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2003	11/30/2010	10	4.75	0		553.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2003	11/30/2010	21	2.13	0		502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2003	11/30/2010	10	4.75	0		7,143.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2003	11/30/2010	10	4.75	0		649.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzene	12/1/2003	11/30/2010	10	4.75	0		513.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2003	11/30/2010	10	4.75	0		322.00	AD	FS	☐	FS		

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 Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2003	11/30/2010	10	4.75	0		5,201.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2003	11/30/2010	10	4.75	0		23,916.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2003	11/30/2010	10	4.75	0		226.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2003	11/30/2010	9	1.90	0		3.80	LD	NC	☐	NC		

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	12/1/2003	11/30/2010	31		0		3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	31		0		2.00	AD	FS	☐	FS		

USE Recreation Use

Method	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	92.07	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	31		9	1.34	0.69	AD	CS	☐	CS	total phosphorus	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	31		22	10.84	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	31		13	2.05	0.37	AD	CS	☐	CS	orthophosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	30		8	56.69	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	31		2	0.55	0.33	AD	NC	☐	NC		

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	12/1/2003	11/30/2010	12		0		3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	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 Geomean	E. coli	12/1/2003	11/30/2010	12	55.13	0		126.00	AD	FS	☐	FS		

USE General Use

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

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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	12/1/2003	11/30/2010	25		0		6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	25		0		4.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	1		0		20.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	1	0.31	0		5.00	ID	NA	☐	NA		
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	2		0		1.06	ID	NA	☐	NA		
Toxic Substances in sediment	Iron	12/1/2003	11/30/2010	4		0		40,000.00	LD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	4		0		459.00	LD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	4		0		2.20	LD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	4		0		48.60	LD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2003	11/30/2010	4		0		1,100.00	LD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	4		0		128.00	LD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	4		0		149.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2003	11/30/2010	4		0		111.00	LD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2003	11/30/2010	4		0		33.00	LD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	4		0		4.98	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	312	1.10	0		126.00	AD	FS	☐	FS		

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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 General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	106		0		29.40	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	98		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	98		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	106	405.82	1		350.00	AD	NS	☐	NS	sulfate	5c
Dissolved Solids	Chloride	12/1/2003	11/30/2010	108	556.18	1		400.00	AD	NS	☐	NS	chloride	5c
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	109	1811.09	1		1,300.00	AD	NS	☐	NS	total dissolved solids	5c
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	83		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	25		0		0.05	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	24		0		0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	22		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	25		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	12/1/2003	11/30/2010						OE	NS	☑	NS	mercury in edible tissue	5c

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	110	0.71	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	96	0.03	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2003	11/30/2010	1	0.31	0		50.00	ID	NA	☐	NA		

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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	12/1/2003	11/30/2010	11		0		6.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	11		0		4.00	AD	FS	☐	FS		
Toxic Substances in sediment	Mercury	12/1/2003	11/30/2010	2		0		1.06	ID	NA	☐	NA		
Toxic Substances in sediment	Arsenic	12/1/2003	11/30/2010	4		0		33.00	LD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2003	11/30/2010	4		0		459.00	LD	NC	☐	NC		
Toxic Substances in sediment	Iron	12/1/2003	11/30/2010	4		0		40,000.00	LD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2003	11/30/2010	4		0		2.20	LD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2003	11/30/2010	2		0		48.60	LD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2003	11/30/2010	4		0		1,100.00	LD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2003	11/30/2010	4		0		128.00	LD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2003	11/30/2010	4		0		149.00	LD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2003	11/30/2010	4		0		4.98	LD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2003	11/30/2010	4		0		111.00	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	64	1.18	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	11		0		29.40	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	11		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	11		0		6.50	AD	FS	☐	FS		

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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 General Use

Method	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	106	405.82	1		350.00	AD	NS	☐	NS	sulfate	5c
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	109	1811.09	1		1,300.00	AD	NS	☐	NS	total dissolved solids	5c
Dissolved Solids	Chloride	12/1/2003	11/30/2010	108	556.18	1		400.00	AD	NS	☐	NS	chloride	5c
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	11		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	11		0		0.05	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	11		0		0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	11		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	11		0		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	12/1/2003	11/30/2010						OE	NS	☑	NS	mercury in edible tissue	5c

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	0.31	0		50.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2003	11/30/2010	110	0.71	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2003	11/30/2010	96	0.03	0		10.00	AD	FS	☐	FS		

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	12/1/2003	11/30/2010	14		0		2.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	14		0		1.50	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	14	51.65	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	14		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	14		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	14		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	14		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	14		0		0.33	AD	NC	☐	NC		

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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	12/1/2003	11/30/2010	58		1	4.2	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	58		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	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	124.56	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	58		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	58		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	58		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	103	3119.00	0		4,500.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	77	1454.39	1		1,050.00	AD	NS	☐	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	77	420.57	0		540.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	23		3	3.26	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	18		2	6.06	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	23		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	23		1	0.44	0.37	AD	NC	☐	NC		

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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	12/1/2003	11/30/2010	28		1	4.6	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	28		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	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	72.57	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	28		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	27		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	27		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	103	3119.00	0		4,500.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	77	1454.39	1		1,050.00	AD	NS	☐	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	77	420.57	0		540.00	AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	27		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	28		3	10.19	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	24		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	27		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	25		4	58.33	14.10	AD	NC	☐	NC		

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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	12/1/2003	11/30/2010	26		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	26		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	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	24.00	0		126.00	AD	FS	☐	FS		
Bacteria Geomean	Enterococcus	12/1/2003	11/30/2010	1	10.00	0		35.00	ID	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	26		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	26		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	26		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	103	3119.00	0		4,500.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	77	1454.39	1		1,050.00	AD	NS	☐	NS	chloride	5c
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	77	420.57	0		540.00	AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	25		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	25		1	1.57	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	25		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	23		1	16	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	25		0		0.37	AD	NC	☐	NC		

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	12/1/2003	11/30/2010	26		0		2.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	26		0		1.50	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	24	99.98	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	25		7	1.53	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	25		9	41.68	14.10	AD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	25		1	0.78	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	25		18	13.4	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	25		4	1.59	0.69	AD	NC	☐	NC		

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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	12/1/2003	11/30/2010	21		0		2.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	21		0		1.50	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	21	69.04	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	21		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	21		18	56.56	14.10	AD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	21		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	21		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	21		1	0.43	0.33	AD	NC	☐	NC		

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	12/1/2003	11/30/2010	20		0		3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	20		0		2.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	20	104.32	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	20		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	20		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	20		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	20		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	19		7	42.93	14.10	AD	CS	☐	CS	chlorophyll-a	

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	12/1/2003	11/30/2010	27		1	4.6	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	27		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	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	38.20	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	27		2	35.35	33.90	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	27		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	27		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	73	581.14	0		1,125.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	72	169.98	0		420.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	72	48.40	0		125.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	27		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	27		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	27		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	27		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	27		0		14.10	AD	NC	☐	NC		

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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	12/1/2003	11/30/2010	24		2	3.5	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	24		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	24	110.46	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	24		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	24		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	24		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	73	581.14	0		1,125.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	72	169.98	0		420.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	72	48.40	0		125.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	25		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	25		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	25		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	25		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	25		3	29.33	14.10	AD	NC	☐	NC		

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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	12/1/2003	11/30/2010	21		1	4.75	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	21		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	19	3.43	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	21		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	21		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2003	11/30/2010	21		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	72	169.98	0		420.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	72	48.40	0		125.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	73	581.14	0		1,125.00	AD	FS	☐	FS		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	20		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	20		15	35.68	14.10	AD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	21		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	21		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	21		0		1.95	AD	NC	☐	NC		

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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	12/1/2003	11/30/2010	20		0		3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	20		0		2.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	20	24.46	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2003	11/30/2010	20		0		29.40	AD	FS	☐	FS		
High pH	pH	12/1/2003	11/30/2010	20		16	10.04	9.00	AD	NS	☐	NS	pH	5c
Low pH	pH	12/1/2003	11/30/2010	20		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2003	11/30/2010	19	818.82	0		1,000.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2003	11/30/2010	19	80.00	0		200.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2003	11/30/2010	19	184.95	0		200.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	18		10	2.08	0.37	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	19		15	1.31	0.05	AD	CS	☐	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	17		10	1.81	0.11	AD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	18		18	2.99	0.20	AD	CS	☐	CS	total phosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	18		17	920.98	26.70	AD	CS	☐	CS	chlorophyll-a	

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	12/1/2003	11/30/2010	14		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	14		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2003	11/30/2010	2		1	4.8	5.00	ID	NA	☐	NA		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2003	11/30/2010	2		0		3.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2010	1		0		20.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2010	1	0.13	0		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 Geomean	E. coli	12/1/2003	11/30/2010	11	2.92	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	13		4	62	26.70	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	12		8	0.48	0.20	AD	CS	☐	CS	total phosphorus	
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	13		4	0.89	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	13		9	0.33	0.05	AD	CS	☐	CS	orthophosphorus	
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	11		3	0.48	0.11	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2003	11/30/2010	2		1	0.58	0.53	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2003	11/30/2010	2		0		0.83	ID	NA	☐	NA		

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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	Zinc	12/1/2003	11/30/2010	2		0		525.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2003	11/30/2010	2		0		4.38	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2003	11/30/2010	2		0		0.13	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2003	11/30/2010	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2003	11/30/2010	2		0		0.60	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2003	11/30/2010	2		0		0.61	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2003	11/30/2010	2		0		0.14	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2003	11/30/2010	2		0		0.20	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2003	11/30/2010	2		0		0.06	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2003	11/30/2010	2		0		250.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2003	11/30/2010	2		0		5.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2003	11/30/2010	2		0		0.23	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2003	11/30/2010	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2003	11/30/2010	2		0		0.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2003	11/30/2010	2		0		35.00	ID	NA	☐	NA		

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	12/1/2003	11/30/2010	3		0		3.00	ID	NA	☐	NA		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2003	11/30/2010	3		0		2.00	ID	NA	☐	NA		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2003	11/30/2010	3	153.40	1		126.00	ID	NA	☐	NA		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2003	11/30/2010	3		0		1.95	ID	NA	☐	NA		
Nutrient Screening Levels	Orthophosphorus	12/1/2003	11/30/2010	3		1	0.55	0.37	ID	NA	☐	NA		
Nutrient Screening Levels	Ammonia	12/1/2003	11/30/2010	3		0		0.33	ID	NA	☐	NA		
Nutrient Screening Levels	Total Phosphorus	12/1/2003	11/30/2010	3		0		0.69	ID	NA	☐	NA		
Nutrient Screening Levels	Chlorophyll-a	12/1/2003	11/30/2010	3		1	27.1	14.10	ID	NA	☐	NA		