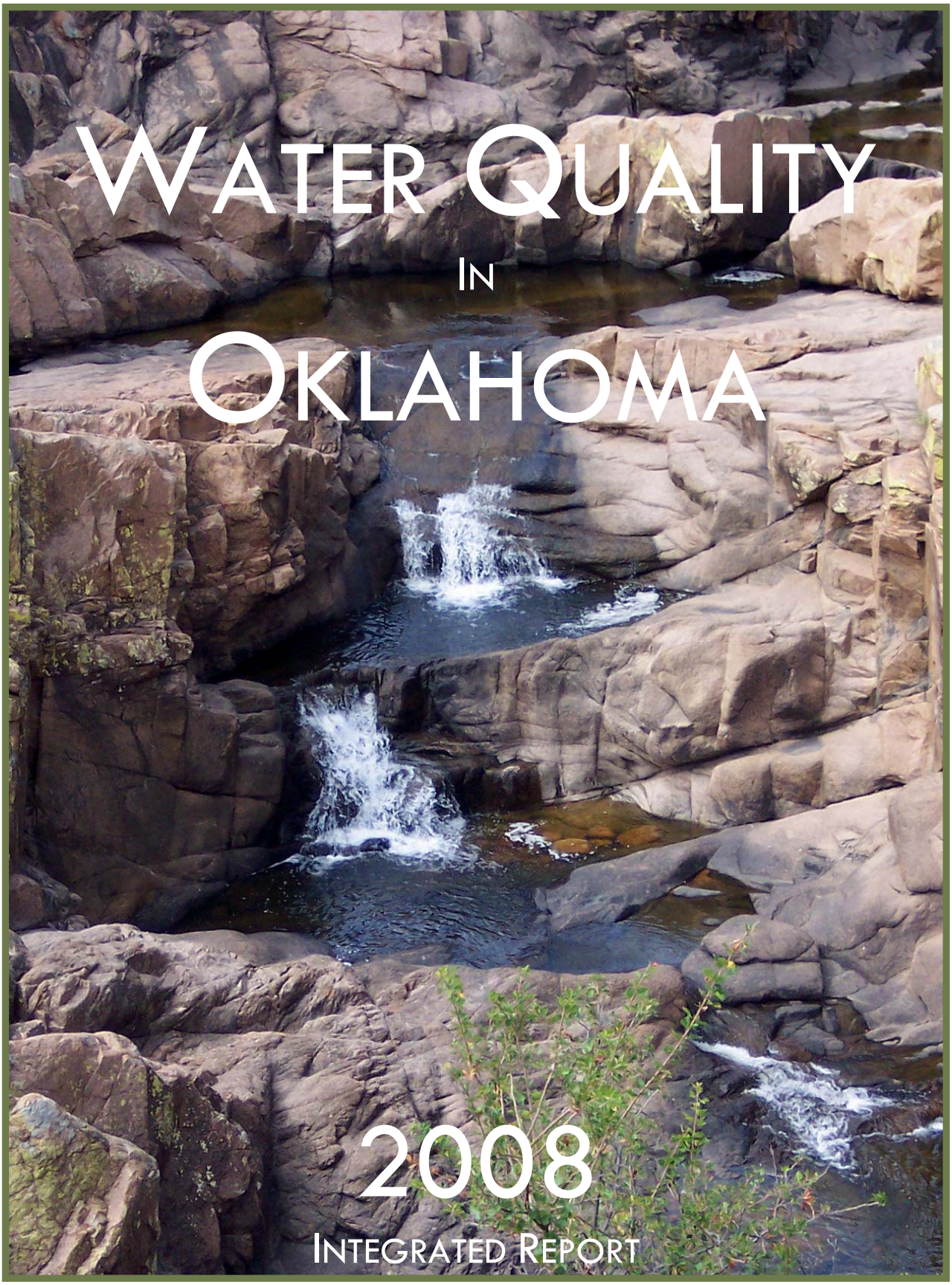

Water Quality In Oklahoma

2008 Integrated Report

Prepared Pursuant to Section 303(d) and Section 305(b) of the Clean Water Act

by

Oklahoma Department of Environmental Quality

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Table of Contents

List of Figures

List of Tables

List of Appendices

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Acronyms and Definitions

Agencies

ODAFF	Oklahoma Department of Agriculture Food and Forestry
OCC	Oklahoma Conservation Commission
Corporation Commission	Oklahoma Corporation Commission
OSDH	Oklahoma State Department of Health
OSE	Office of the Secretary of Environment
DEQ	Oklahoma Department of Environmental Quality
OWRB	Oklahoma Water Resources Board
Wildlife Department	Oklahoma Department of Wildlife Conservation

Terminologies

303(d)	This section of the Clean Water Act requires each state to identify waters that do not or are not expected to meet applicable Water Quality Standards with technology-based controls alone. States are required to establish a priority ranking for the waters, taking into account the pollution severity and designated uses of the waters. Once identification and priority ranking are completed, states are to develop Total Maximum Daily Loads at a level necessary to achieve the applicable state Water Quality Standards.
304(l)	This section of the Clean Water Act requires each state to identify those waters that fail to meet Water Quality Standards due to toxic pollutants and other sources of toxicity. It also requires the preparation of individual control strategies that will reduce point source discharges of toxic pollutants.
305(b)	This section of the Clean Water Act requires each state to report its water quality on a biennial cycle.
314	This section of the Clean Water Act requires each state to establish a Lake Water Quality Assessment Report. This section provides federal funds for the state to submit a classification of lakes according to trophic condition, develop processes and methods to control sources of pollution and to work with other agencies in restoring the quality of those lakes. Section 314 establishes the guidelines for conducting Clean Lake Studies Phase I and II.
319(h)	This section of the Clean Water Act requires each state to develop a State Assessment Report and a Management Program for Nonpoint Source pollution problems. The Assessment Report is to describe the nature, extent, and effects of Nonpoint Source pollution, the causes and sources of such pollution, and programs and methods used for controlling this pollution.

BMPs Best Management Practices: A technique that is determined to be the most effective, practical means of preventing or reducing pollutants from nonpoint sources in order to achieve water quality goals.

BOD_5 Biochemical Oxygen Demand (5-Day): The oxygen used in meeting the metabolic needs of aerobic microorganisms in water rich in organic matter -- called also biological oxygen demand; the test requires five days of laboratory time and results may vary when toxic substances are present which effect bacteria.

$CBOD_5$ Carbonaceous Biochemical Oxygen Demand (5-Day): That portion of the BOD that is not due to oxidation of nitrogenous compounds.

CTSI Carlson's Trophic State Index (CTSI = 9.81 ln[chl-α] + 30.6).

CWA Clean Water Act: Public Law 92-500 enacted in 1972 provides for a comprehensive program of water pollution control; two goals are proclaimed in this Act: (1) to achieve swimmable, fishable waters wherever attainable by July 1, 1983, and (2) by 1985 eliminate the discharge of pollutants into navigable waters.

DDT Dichlorodiphenyltrichloroethane: A colorless odorless water-insoluble crystalline insecticide $C_{14}H_9Cl_5$ that tends to accumulate in ecosystems and has toxic effects on many vertebrates.

DO Dissolved Oxygen: The amount of oxygen dissolved in water. DO concentrations range from a few parts per million up to about 10 ppm for most Oklahoma streams. A level of DO around 7 ppm is essential to sustain desired species of game fish. If DO drops below 5 ppm the danger of a fish kill is present and malodorous conditions will result. The major factors determining DO levels in water are temperature, atmospheric pressure, plant photosynthesis, rate of aeration and the presence of oxygen demanding substances such as organic wastes. In addition to its affect on aquatic life, DO also prevents the chemical reduction and subsequent movement of iron and manganese from the sediments and thereby reduces the cost of water treatment.

µg/L Microgram/liter.

NPDES National Pollutant Discharge Elimination System: A permit program established by Section 402 of the Clean Water Act. This program regulates discharges into the nation's water from point sources, including municipal, industrial, commercial and certain agricultural sources.

NTU Nephelometric Turbidity Units: The measurement of the extent or degree of cloudiness by means of a nephelometer (an instrument for determining the concentration or particle size of suspensions by means of transmitted or reflected light).

OKWBID Oklahoma Waterbody Identification number: A unique identifier assigned to each waterbody in Oklahoma. For a complete description of OKWBIDs, please see Appendix A.

PCB(s) Polychlorinated Biphenyl(s): Any of several compounds that are produced by replacing hydrogen atoms in biphenyl with chlorine, have various industrial applications, and are poisonous environmental pollutants which tend to accumulate in animal tissues.

pH The negative logarithm of the effective hydrogen ion concentration or hydrogen-ion activity in gram equivalents per liter used in expressing both acidity and alkalinity on

	a scale whose values run from 0 to 14 with 7 representing neutrality, numbers less than 7 increasing acidity, and numbers greater that 7 increasing alkalinity.
Playa Lakes / Prairie Potholes	Shallow, small, ephemeral to permanent closed basin lake, typically found in high plains and deserts.
TDS	Total Dissolved Solids: The complete amount of solid matter dissolved in water or wastewater.
TMDL	Total Maximum Daily Load: The sum of individual wasteload allocations for point sources, safety, reserves, and loads from nonpoint source and natural backgrounds.
WLA	Wasteload Allocation: The assignment of target loads to point sources so as to achieve Water Quality Standards in the most efficient manner. The wasteload allocation is designed to allocate or allow certain quantities, rates or concentration of pollutants discharged from contributing point sources which empty their effluent into the same river segment. The purpose of the wasteload allocation is to eliminate an undue "wasteload burden" on a given stream segment.
WQS	Water Quality Standards: rules which establish classifications of uses of waters of the state, criteria to maintain and protect such classifications, and other standards or policies pertaining to the quality of such waters. The purpose of the Standards is to promote and protect as many beneficial uses as are attainable and to assure that degradation of existing quality of waters of the State does not occur. These rules can be found at OAC 785:45.

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Executive Summary/Overview

Clean Water Act (CWA) Section 303(d) Requirements

The 1972 amendments to the Clean Water Act include Section 303(d). The regulations implementing Section 303(d) require states to develop lists of water bodies that do not meet water quality standards and to submit updated lists to the U. S. Environmental Protection Agency (EPA) every two years. Water quality standards, as defined in the Code of Federal Regulations, include beneficial uses, water quality objectives (narrative and numerical) and anti-degradation requirements. The EPA is required to review impaired water body lists submitted by each state and approve or disapprove all or part of the list.

For waterbodies on the 303(d) list, the Clean Water Act requires that a pollutant load reduction plan or TMDL be developed to correct each cause of impairment. TMDLs must document the nature of the water quality impairment, determine the maximum amount of a pollutant which can be discharged and still meet standards, and identify allowable loads from the contributing sources. The elements of a TMDL include a problem statement, description of the desired future condition (numeric target), pollutant source analysis, load allocations, description of how allocations relate to meeting targets, and margin of safety.

CWA Section 305(b) Requirements

The 1972 amendments to the Clean Water Act also include Section 305(b). The regulations implementing Section 305(b) require states to develop an inventory of the water quality of all water bodies in the state and to submit an updated report to the EPA every two years. This process was established as a means for the EPA and the U. S. Congress to determine the status of the nation's waters.

The 305(b) Report also includes: an analysis of the extent to which water bodies comply with the "fishable/swimmable" goal of the CWA; an analysis of the extent to which the elimination of the discharge of pollutants and a level of water quality achieving the "fishable/swimmable" goal have been or will be attained, with recommendations of additional actions necessary to achieve this goal; an estimate of a) the environmental impact, b) the economic and social costs, c) the economic and social benefits, and d) the estimated date of such achievement; and finally, a description of the nature and extent of nonpoint sources of pollutants, and recommendations of programs needed to control them- including an estimate of the costs of implementing such programs.

Integrated Report Guidance

The US Environmental Protection Agency (USEPA) issued guidance (USEPA, 2005) for the development of an Integrated Water Quality Monitoring and Assessment Report (Integrated Report) by the States. This guidance recommends that States integrate their Water Quality Inventory Report (Section 305(b) of the CWA) and their Impaired Waterbodies List (Section 303(d) of the CWA). The Integrated Report is intended to provide an effective tool for maintaining high quality waters and improving the quality of waters that do not attain water quality standards. The Integrated Report will also provide water resources managers and citizens with detailed information regarding the following:

- Delineation of water quality assessment units providing geographic display of assessment results
- Progress toward achieving comprehensive assessment of all waters
- Water quality standards attainment status
- Methods used to assess water quality standards attainment status
- Additional monitoring needs and schedules
- Pollutants and watersheds requiring Total Maximum Daily Loads (TMDLs)
- Pollutants and watersheds requiring alternative pollution control measures
- Management strategies (including TMDLs) under development to attain water quality standards
- TMDL development schedules

The Integrated Report will streamline water quality reporting since data sources and assessment methods will be described in detail, providing a sound technical basis for assessment decisions. Assessment results will also be

conveyed in a spatial context, allowing a clearer picture of water quality status and issues. Monitoring needs and schedules will be described, facilitating the articulation of monitoring priorities and identifying opportunities for cooperation with other agencies and watershed partners. TMDL needs and schedules will be defined to convey plans for water quality improvements. The public participation aspects will provide opportunities for data submittal and open discussion of water quality assessment methods and results.

The Integrated Report combines the non-regulatory requirements of the Water Quality Inventory Report (305b) with regulation driven List of Impaired Waterbodies (303d) (i.e., only the latter mandates TMDL development). Successful integration into a single report requires a careful meshing of requirements and procedures. In general, Category 5 of the Integrated Report satisfies USEPA reporting requirements under Section 303d (Impaired Waterbodies) and combined with the remaining Categories document assessment under Section 305b (Water Quality Inventory). Therefore, the regulatory requirements (i.e., EPA approval and adoption; public participation, etc.) for 303d impaired waterbodies listing only apply to Category 5 of the Integrated Report.

The methods used to develop the 2008 Integrated Report (and subsequent Reports) are described in the Continuing Planning Process (CPP). One goal of the CPP is to provide an objective and scientifically sound waterbody assessment listing methodology including:

- A description of the data that the State will use to assess attainment of surface water quality standards
- The quality assurance aspects of the data
- A detailed description of the methods used to evaluate water quality standards attainment
- The placement of waterbodies in one of 5 Categories:

Category 1 - Attaining the water quality standard and no use is threatened.

Waterbodies listed in this category are characterized by data and information that meet the requirements of the CPP to support a determination that the water quality standard is attained and no use is threatened. Consideration will be given to scheduling these waterbodies for future monitoring to determine if the water quality standard continues to be attained.

Category 2 - Attaining some of the designated uses; no use is threatened; and insufficient or no data and information is available to determine if the remaining uses are attained or threatened.

Waterbodies listed in this category are characterized by data and information which meet the requirements of the CPP to support a determination that some, but not all, uses are attained and none are threatened. Attainment status of the remaining uses is unknown because there is insufficient or no data or information. Monitoring shall be scheduled for these waterbodies to determine if the uses previously found to be in attainment remain in attainment, and to determine the attainment status of those uses for which data and information was previously insufficient to make a determination.

Category 3 - Insufficient or no data and information to determine if any designated use is attained.

Waterbodies are listed in this category when the data or information to support an attainment determination for any use is not available, consistent with the requirements of the CPP. To assess the attainment status of these waterbodies, supplementary data and information shall be obtained, or monitoring shall be scheduled as needed.

Category 4 - Impaired or threatened for one or more designated uses but does not require the development of a TMDL.

4A - TMDL has been completed.
Waterbodies are listed in this subcategory once all TMDL(s) have been developed and approved by EPA that, when implemented, are expected to result in full attainment of the standard. Where more than one pollutant is associated with the impairment of a waterbody, the waterbody will remain in Category 5 until all TMDLs for each pollutant have been completed and approved by EPA. Monitoring shall be scheduled for these waterbodies to verify that the water quality standard is met when the water quality management actions needed to achieve all TMDLs are implemented.

4B - Other pollution control requirements are reasonably expected to result in the attainment of the water quality standard in the near future.
Consistent with the regulation under 130.7(b)(i),(ii), and (iii), waterbodies are listed in this subcategory when other pollution control requirements required by local, state, or federal authority are stringent enough to implement any water quality standard (WQS) applicable to such waters. These requirements must be specifically applicable to the particular water quality problem. Monitoring shall be scheduled for these waterbodies to verify that the water quality standard is attained as expected.

4C - Impairment is not caused by a pollutant.
Waterbodies are listed in this subcategory if the impairment is not caused by a pollutant. Scheduling of these waterbodies for monitoring to confirm that there continues to be no pollutant-caused impairment and to support water quality management actions necessary to address the cause(s) of the impairment, shall be considered.

Category 5 - The water quality standard is not attained. The waterbody is impaired or threatened for one or more designated uses by a pollutant(s), and requires a TMDL.

This category constitutes the Section 303(d) list of waters impaired or threatened by a pollutant(s) for which one or more TMDL(s) are needed. A waterbody is listed in this category if it is determined, in accordance with the CPP, that a pollutant has caused, is suspected of causing, or is projected to cause an impairment. Where more than one pollutant is associated with the impairment of a single waterbody, the waterbody will remain in Category 5 until TMDLs for all pollutants have been completed and approved by EPA. For waterbodies listed in this category, monitoring schedules shall be provided that describe when data and information will be collected to support TMDL establishment and to determine if the standard is attained. While the waterbody is being monitored for a specific pollutant to develop a TMDL, the watershed shall also be monitored to assess the attainment status of other uses. A schedule for the establishment of TMDLs for all waters in Category 5 shall be submitted. This schedule shall reflect the priority ranking of the listed waters. Category 5 waterbodies are further divided into the following subcategories:

5A – TMDL is underway or will be scheduled.

5B – A review of the water quality standards will be conducted before a TMDL is scheduled.

5C – Additional data and information will be collected before a TMDL or review of the water quality standards is scheduled.

The CPP will provide a companion to the 2008 Integrated Report. It is anticipated that this will be a living document and will be modified, as appropriate, to accompany subsequent Integrated Reports.

Oklahoma's comprehensive waterbody category list is available in Appendix B. Category 5 waterbodies can be viewed exclusively in Appendix C.

Synopsis

During the 2007/2008 reporting cycle, there were a total of 4,064 waterbodies delineated into the Oklahoma Assessment Database (ADB). These waters include approximately 637,326 lake acres, and 32,349 river and stream miles, of which approximately 517 miles form the border with the State of Texas.

The water quality data used in this report was collected by the Oklahoma Conservation Commission (OCC), Oklahoma Department of Environmental Quality (DEQ), Oklahoma Corporation Commission (Corp. Comm.), Oklahoma Water Resources Board (OWRB), United States Geological Survey, Tulsa Public Works & Development Department, Cherokee Nation, and citizens of the state. Only data collected prior to April 30, 2007 was utilized for this report.

Data used in this report came from several sources, including the *Toxics Monitoring Survey of Oklahoma Reservoirs* (OSDH, 1995), *Nonpoint Source Pollution Assessment Report (Section 319(h))* (OCC, 1988, 1994), Clean Lakes Programs (Section 314) (OCC & OWRB), *Lake Water Quality Assessment Report* (OCC & OWRB, 1994), *The State of Oklahoma 2006 Water Quality Assessment Integrated Report* (ODEQ, 2006), Data Gaps Monitoring Projects (OCC 2002, 2003), Beneficial Use Monitoring Program, Rotating Basin Monitoring Program, intensive and rapid bio-assessment surveys, fish and wildlife kill reports, spill reports, and citizen complaints. Historical data and assessments (prior to May 1, 2002) were only used when insufficient current data was available to assess a waterbody.

The State considers data gathered by interested citizens of the state of Oklahoma to be an important part of the water quality assessment process. Two organizations that help by contributing to this process are Blue Thumb and Oklahoma Water Watch. Volunteers collect water quality samples and deliver those samples to water quality professionals for analysis and assessment. For more information on Blue Thumb, contact the Oklahoma Conservation Commission. For more information on Oklahoma Water Watch, contact the Oklahoma Water Resources Board.

Additional monitoring will allow the state agencies to refine and modify the descriptions of the quality of the state's waters. This report reflects water quality determinations made in the past and such determinations will be confirmed or modified, as additional monitoring data becomes available. Where some waterbodies are indicated to be impaired, and suspected cause of impairment is listed, this information is also subject to confirmation or modification based on additional studies and evaluation by state agencies.

Table 1 shows the size and number of lakes in the state of Oklahoma designated as one of the five available categories outlined in the Integrated List Guidance above, while Table 2 does the same for river and stream miles.

TABLE 1. LAKE CATEGORY SUMMARY

Category	Size (Acres)	Number of Waterbodies
1	0	0
2	22,052	5
3	15,150	269
4A	0	0
4B	0	0
4C	0	0
5A	598,595	145
5B	0	0
5C	1,350	1

TABLE 2. RIVER AND STREAM CATEGORY SUMMARY

Category	Size (Miles)	Number of Waterbodies
1	121	5
2	1,922	165
3	19,838	2,848
4A	564	29
4B	0	0
4C	0	0
5A	9,283	505
5B	135	11
5C	486	81

Table 3 details the attainment status of each designated beneficial use assigned to lake acres in Oklahoma, while Table 4 does the same for river and stream miles. Each beneficial use for a waterbody must have only one attainment status associated with that use: supporting, not supporting, insufficient information, or not assessed (no information). The methodology for assigning the attainment status of a beneficial use of a waterbody is outlined in the Assessment Methodology and Summary Data section of this report.

TABLE 3. LAKE BENEFICIAL USE SUPPORT SUMMARY

Lake Acres					
Use	Total Size	Size Fully Supporting	Size Not Supporting	Size Not Assessed	Size with Insufficient Info
Aesthetic	637,326	279,158	97,755	14,834	245,579
Agriculture	637,326	464,606	15,955	15,149	141,616
Fish Consumption	637,326	0	0	637,326	0
Warm Water Aquatic Community	637,326	9,112	585,663	14,843	27,708
Navigation	84,440	84,440	0	0	0
Primary Body Contact Recreation	637,326	139,676	21,780	15,184	460,686
Public and Private Water Supply	593,714	165	66,222	22,659	504,668
Sensitive Water Supply	135,825	0	0	135,825	0

TABLE 4. RIVER AND STREAM BENEFICIAL USE SUPPORT SUMMARY

River Miles					
USE	**Total Size**	**Size Fully Supporting**	**Size Not Supporting**	**Size Not Assessed**	**Size with Insufficient Info**
Aesthetic	32,325	4,756	501	17,584	9,484
Agriculture	32,269	7,258	3,628	17,739	3,645
Emergency Water Supply	1,520	1,520	0	0	0
Fish Consumption	32,336	1,748	1,084	28,419	1,085
Cool Water Aquatic Community Subcategory	1,595	401	428	571	195
Habitat Limited Aquatic Community Subcategory	716	24	166	414	111
Trout Fishery	34	0	1	24	9
Warm Water Aquatic Community Subcategory	30,084	1,904	5,833	16,364	5,984
Navigation	213	213	0	0	0
Primary Body Contact Recreation	31,250	756	7,699	21,504	1,291
Public and Private Water Supply	14,788	1,068	395	6,517	6,808
Sensitive Water Supply	1,510	0	0	1,510	0
Secondary Body Contact Recreation	1,118	123	163	671	161

Table 5 shows the number of lake acres impaired by specific pollutant and Table 6 shows the same for the number of river and stream miles.

TABLE 5. LAKE ACRES IMPAIRED BY SPECIFIC POLLUTANT

Cause	Size (Acres)
Oxygen, Dissolved	389,498
Turbidity	370,016
Color	89,117
Chlorophyll-α	66,222
pH	30,953
Enterococcus	21,780
Total Phosphorus	15,877
Total Dissolved Solids	15,015
Chloride	8,700
Sulfates	6,330

TABLE 6. RIVER AND STREAM MILES IMPAIRED BY SPECIFIC POLLUTANT

Impairment	Size (Miles)
Enterococcus	6,977
Turbidity	4,012
Escherichia coli	3,495
Fecal Coliform	3,094
Dissolved Oxygen	2,547
Total Dissolved Solids	2,277
Chloride	2,137
Sulfates	1,982
Lead	1,437
pH	762
Fishes Bioassessments (Streams)	633
Oil and Grease	545
Selenium	273
Phosphorus (Total)	160
Sedimentation/Siltation	151
Nitrates	118
Ammonia (Un-ionized)	115
Cadmium	101
Copper	95
Zinc	83
Chlorpyrifos	42
Chromium (Total)	42
Diazinon	29
DDT	19
Toxaphene	19
Arsenic	6
Barium	4
Total Coliform	4
Dieldrin	4
Silver	2

Table 7 shows the number of lake acres impaired by potential sources, and Table 8 shows the number of river and stream miles impaired by potential sources.

TABLE 7. LAKE ACRES IMPAIRED BY POTENTIAL SOURCE

Potential Source	Size (Acres)
Source Unknown	600,090
Rangeland Grazing	45,623
Wildlife Other than Waterfowl	45,623
Grazing in Riparian or Shoreline Zones	37,183
Wastes from Pets	20,553
On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)	17,945
Animal Feeding Operations (NPS)	17,914
Impacts from Land Application of Wastes	17,914
Sources Outside State Jurisdiction or Borders	17,914
Petroleum/Natural Gas Activities (Legacy)	35
Silviculture Harvesting	25

TABLE 8. RIVER AND STREAM MILES IMPAIRED BY POTENTIAL SOURCE

Potential Source	Size (Miles)
Source Unknown	9,898
Grazing in Riparian or Shoreline Zones	7,091
Rangeland Grazing	6,905
Wildlife Other than Waterfowl	6,887
On-site Treatment Systems (Septic Systems and Similar Decentralized Systems	6,740
Wastes from Pets	4,873
Residential Districts	4,486
Highway/Road/Bridge Runoff (Non-construction related)	4,111
Non-irrigated Crop Production	4,006
Municipal Point Source Discharges	3,274
Impacts from Land Application of Wastes	2,513
Petroleum/Natural Gas Activities	2,207
Total Retention Domestic Sewage Lagoons	1,245
Clean Sediments	1,094
Agriculture	1,091
Other Spill Related Impacts	676
Permitted Runoff from Confined Animal Feeding Operations (CAFOs)	618
Animal Feeding Operations (NPS)	510
Industrial Point Source Discharge	465
Atmospheric Deposition - Acidity	380
Mine Tailings	236
Sources outside State Jurisdiction or Borders	177

Potential Source	Size (Miles)
Municipal (Urbanized High Density Area)	170
Landfills	167
Discharges from Municipal Separate Storm Sewer Systems (MS4)	127
Silviculture Harvesting	95
Dredging (E.g., for Navigation Channels)	67
Land Application of Wastewater Biosolids (Non-agricultural)	46
Releases from Waste Sites or Dumps	33
Impacts from Abandoned Mine Lands (Inactive)	30
Leaking Underground Storage Tanks	28
Natural Sources	21
Spills from Trucks or Trains	17
Discharges from Biosolids (SLUDGE) Storage, Application or Disposal	17
Surface Mining	14
CERCLA NPL (Superfund) Sites	12
Acid Mine Drainage	8

Surface Water Quality

Oklahoma's Water Quality Standards (WQS) are set forth under statutory authority of the OWRB authorized under 82 O.S. § 1085.30. Under these statutes, OWRB "is required to set water quality standards which are practical and in the best public interest and to classify the state's waters with respect to their best present and future uses. These WQS are designed to enhance the quality of the waters, to protect their beneficial uses, and to aid in the prevention, control and abatement of water pollution in the State of Oklahoma" (OWRB, 2006). The WQS have established designated beneficial uses and standards for all of Oklahoma's waters.

The overall support and attainment of the "fishable/swimmable" goals of the CWA is based upon "total waters." The EPA requires all states to report their attainment of the goals of the CWA based on total waters. Relying solely upon this portrayal probably overly inflates estimates of the impaired and threatened conditions of the state's waters since monitoring efforts are typically focused on known problem areas. It would be too cost prohibitive to assess all of the waters within the state. Therefore, all assessment work performed in the state is conducted in a manner that will best utilize available funding resources. For lake total water reporting, the acreage includes Natural Resource Conservation Service (NRCS) (formerly the Soil Conservation Service) assisted farm ponds. Oklahoma lists approximately 1,041,884 total lake acres for the state. Of this number, 330,000 acres comprise approximately 220,000 NRCS assisted farm ponds. These farm ponds are not included in EPA's total water database. Although not considered as "significant lakes," the state considers them as important natural resources for the agricultural and rural communities. These farm ponds provide a significant amount of water for livestock, a source of primary recreation for many, used as flood control devices, sediment catchments, and add to the recharge of groundwater aquifers.

Canals, laterals and most all of the wetlands have not been assessed for the goals of the CWA nor have they been assessed for their beneficial uses. Canals and laterals are manmade watercourses and have not been included in the Appendix A of the WQS. By default, these waters would be assigned primary protection under the 2006 WQS (OWRB, 2006). Due to a lack of funding, no assessment projects have been initiated on these types of waterbodies. Wetlands have not been assigned specific WQS and therefore fall under the same scenario as canals and laterals. Several projects and ventures have been initiated to inventory the wetlands within the state, but little assessment work has been completed.

The major factors affecting the overall use support of the rivers and streams of the state were from the following causes: pathogens, mineralization, and turbidity. The major factors affecting the overall use support of the lakes of the state were from the following causes: oxygen depletion, turbidity, and color.

All unlisted waters, not included in Appendix A of the WQS, are assumed to have the beneficial uses consistent with the CWA's primary protection requirements. All beneficial use determinations are subject to administrative proceedings including the public hearing process.

Currently, the DEQ develops draft National Pollutant Discharge Elimination System (NPDES) permits for the control and abatement of municipal and industrial pollution. The DEQ issues the final NPDES permit for municipalities and industrial dischargers. Permit compliance is monitored by both the discharger and inspectors for the DEQ.

Since the inception of the CWA in 1972 and its amendments, EPA administered the National Pollutant Discharge Elimination System (NPDES) program, which addresses the management of industrial and municipal wastewater discharges. Previously, the functions related to wastewater were found in the OSDH, for municipal wastewater, and the OWRB for industrial wastewater. The scattering of the NPDES jurisdiction between two agencies that were independently pursuing delegation of their portion from the NPDES program did not appear to be conducive for Oklahoma to assume the program from EPA. Consolidation of the two agencies into the DEQ in July 1993 solved this problem and the work began for the agency to develop its required program documents, rules and statute changes in preparation of submitting its formal NPDES application to EPA, Region 6 office in Dallas, Texas.

The DEQ obtained NPDES program assumption from EPA on November 19, 1996. This is indicative of the agency having jurisdiction over the basic permitting, compliance and enforcement elements of the NPDES program, in addition to having authority over toxicity reduction, sewage sludge and pretreatment programs. In September 1997, program assumption to issue storm water permits was obtained from EPA.

Ground Water Quality

The goals of the Safe Drinking Water Act (SDWA) are that the nation's groundwater be free of harmful levels of contaminants and they set national standards for drinking water. Several state agencies are involved in the protection of Oklahoma's groundwater. These include the DEQ, ODAFF, Corporation Commission, OCC, and the OWRB. The DEQ is designated as the lead agency for the Wellhead Protection Program (WHPP).

There are instances of man induced groundwater pollution in the state. Except in a few old oilfields, they appear to be isolated instances and not general contamination of groundwater drinking water supplies. Historical data indicates water is of good quality from most aquifers.

Oklahoma has Groundwater Standards located in OAC 785:45-7. Designated beneficial uses for the groundwaters of the state are determined by Total Dissolved Solids (TDS). Groundwater with a mean concentration of TDS of less than 3,000 milligrams per liter has assigned beneficial uses of Public and Private Water Supply, Agriculture, and Industrial and Municipal Process and Cooling Water. Groundwater with a mean concentration of TDS of greater than or equal to 3,000 milligrams per liter but less than 10,000 milligrams per liter has assigned beneficial uses of Agriculture and Industrial and Municipal Process and Cooling Water. Groundwater is protected to background quality and, once polluted as a result of human activities, is restored to a quality to support its designated beneficial uses. Ensuring that groundwater meets Water Quality Standards is an important reason for developing and continuing a Water Quality monitoring Program.

Background

Diversity and Ecology

Oklahoma is a diverse state in its ecology, geology, hydrology, and its rainfall. Oklahoma is comprised of the following ecoregions: Arkansas Valley, Boston Mountains, Central Great Plains, Central Irregular Plains, Central Oklahoma/Texas Plains, Flint Hills, Ouachita Mountains, Ozark Highlands, South Central Plains, Southwestern Tablelands, and Western High Plains. These ecoregions (Figure 1) range from short grass prairies to Loblolly Pine (*Pinus taeda*)/Short-leaf Pine (*P. echinata*)/Oak (*Quercus spp.*) mixed community.

Much of Oklahoma's original plant and some animal species are either extinct or are greatly reduced in their distribution. The reduction in native vegetation is mainly due to cultivation, conversion of native prairie to pasture, timber cutting, and erosion. There are approximately 2,540 species of plants, 81 species of reptiles, 53 species of amphibians, 101 species of mammals, 400 species of birds, and 175 species of fish. Agriculture is the number one land use business in the state. Wheat is the number one cash grain crop grown in Oklahoma. Wheat is valuable during the winter as pasture feed for cattle, sheep and dairy stock. Other important grain crops for the state include fall and spring oats, barley, rye, sorghum, soybeans, and corn. In addition, pecans, fruits, vegetables, cotton, and timber all constitute a significant source of income for the state. Other important agricultural land use practices include cattle, dairy stock, sheep, poultry, and select exotics (e.g., llamas and ostriches).

The latitude and longitude coordinate for the corners of the state, excluding the Panhandle are: Southeast 033°38'15"/ 094°29'08"; Northeast 036°59'54"/094°37'04"; Southwest 034°33'38"/100°00'00"; and Northwest 037°00'00"/100°00'00". The coordinates for the Panhandle are: Southeast 036°30'00"/ 100°00'00"; Northeast 037°00'00"/100°00'00"; Southwest 036°30'00"/103°00'00"; and Northwest 037°00'00"/103°00'00". Oklahoma runs approximately 481.51 miles east to west and 230.16 miles north to south. The surface area of Oklahoma occupies approximately 69,919 square miles or 44,000,000 acres. Oklahoma varies in its elevation from its lowest point of 287 feet above sea level on the Little River in McCurtain County on the border with Arkansas to its highest point of 4,973 feet above sea level, near Black Mesa in Cimarron County on the border with New Mexico. There are ten major geologic provinces in Oklahoma with the Northern Shelf Areas being the largest (Figure 2) (Oklahoma Geological Survey, 1972). Oklahoma is composed of 77 counties with Osage being the largest (Figure 3). Basic statistics on Oklahoma can be found in Table 9.

Information contained in Table 9 came from a variety of sources including the 2000 Oklahoma Census, United States Geological Survey data, the OWRB data, Oklahoma Water Atlas, Reach File 3/Digital Line Graph Data, ground surveys, the Wildlife Department, United States Fish and Wildlife Service, and planimeter data. For the lakes information, Oklahoma uses the information from the *Oklahoma Water Atlas*. Oklahoma's environmental agencies feel that the information contained in the *Oklahoma Water Atlas* better represents the total of lakes and lake acres contained within the state. For the remaining rivers, creeks, canals and laterals we will be using a combination of sources for our data.

The total of fresh-water wetland acres was derived from information obtained from the Wildlife Department and United States Fish and Wildlife Service reports *Riparian Areas of Western Oklahoma* and *Bottomland Hardwoods of Eastern Oklahoma*. These reports contain information on 58 of the 77 counties in the state. The information in Table 9 was derived from taking the total of the largest most recent estimate for each county listed in the two reports. This total underestimates the actual number of wetland acres for the state and should be used with extreme caution when making comparison or trend analysis on Oklahoma's loss of wetlands.

FIGURE 1. ECOREGIONS OF OKLAHOMA

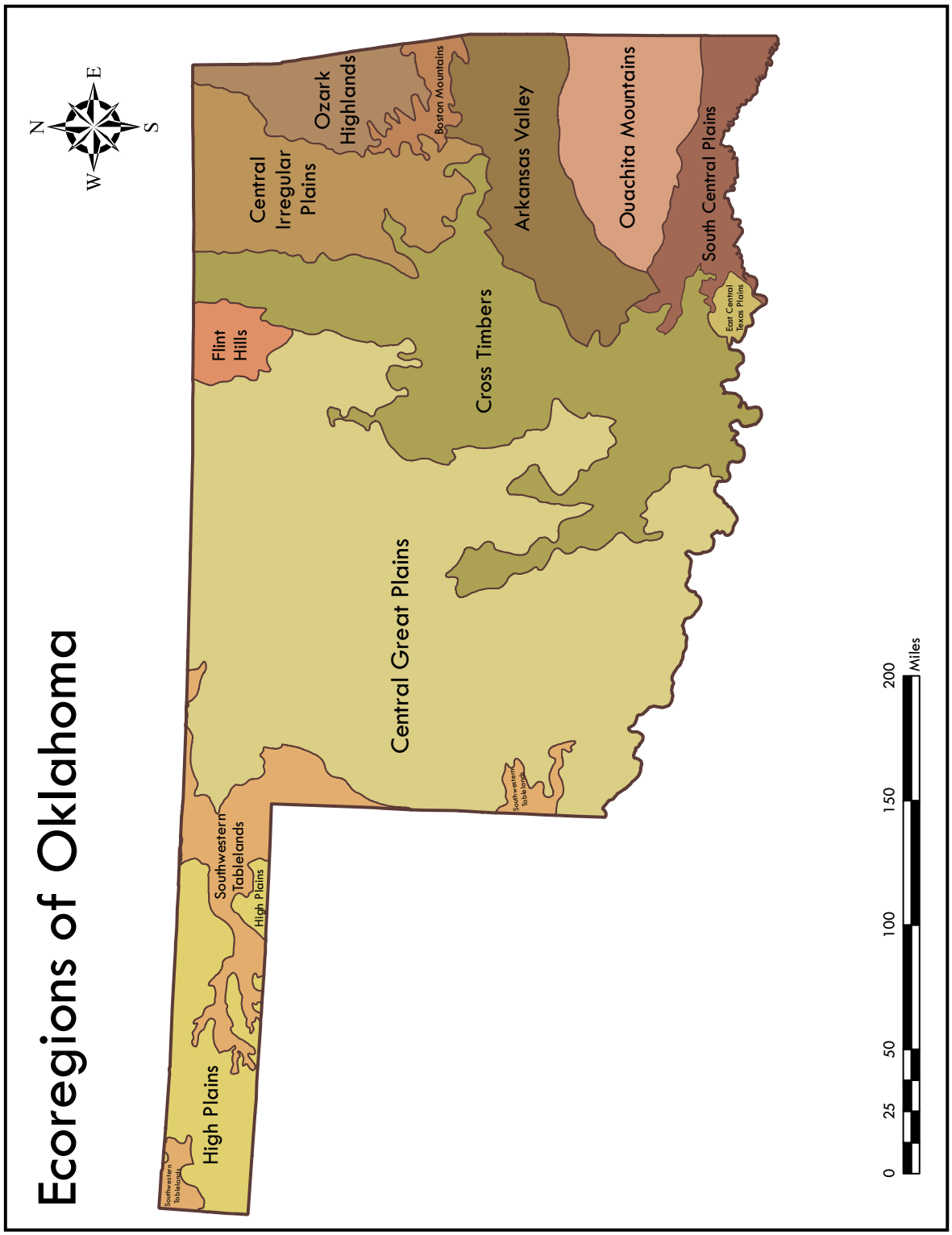

FIGURE 2. OKLAHOMA GEOLOGY

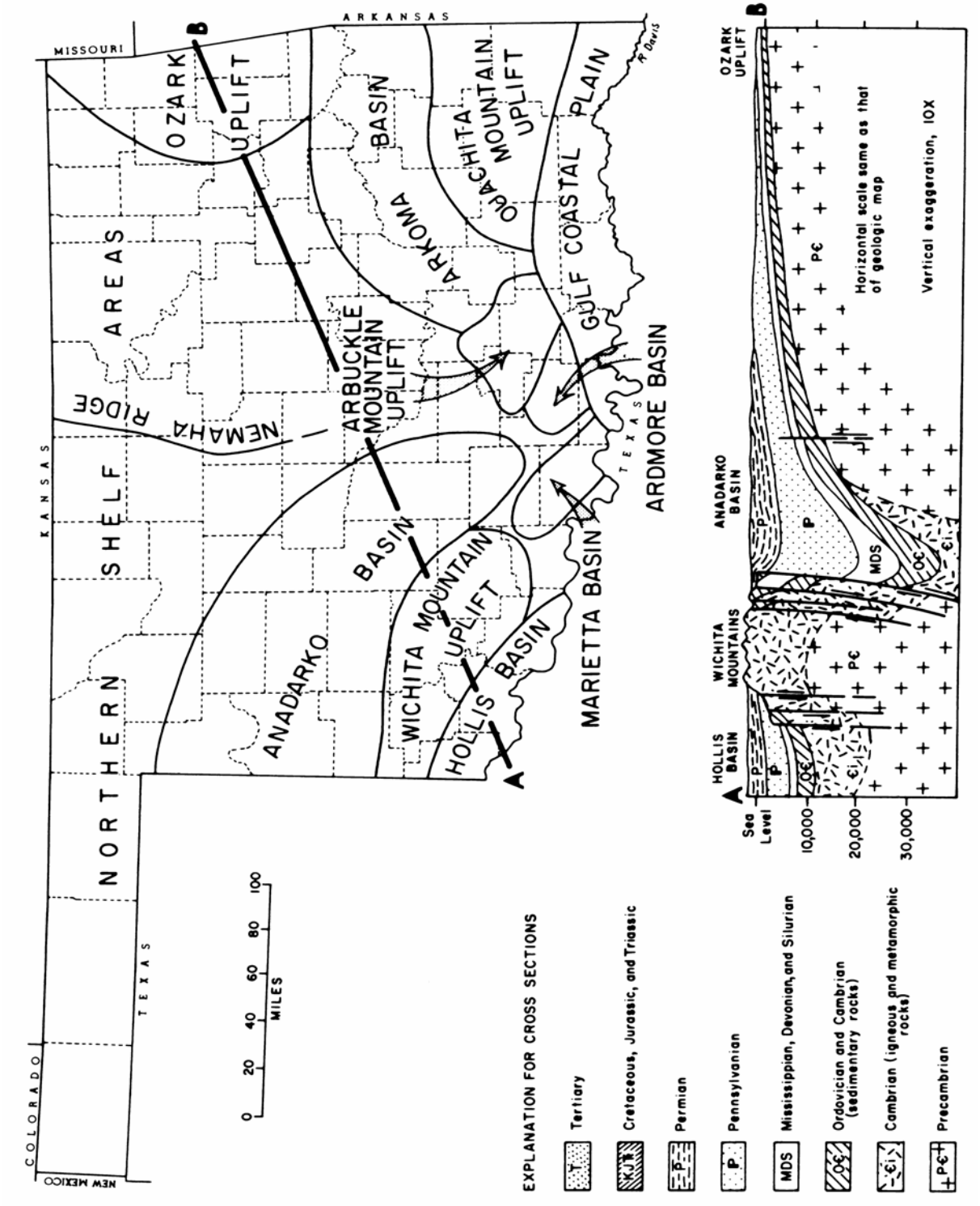

FIGURE 3. OKLAHOMA COUNTIES

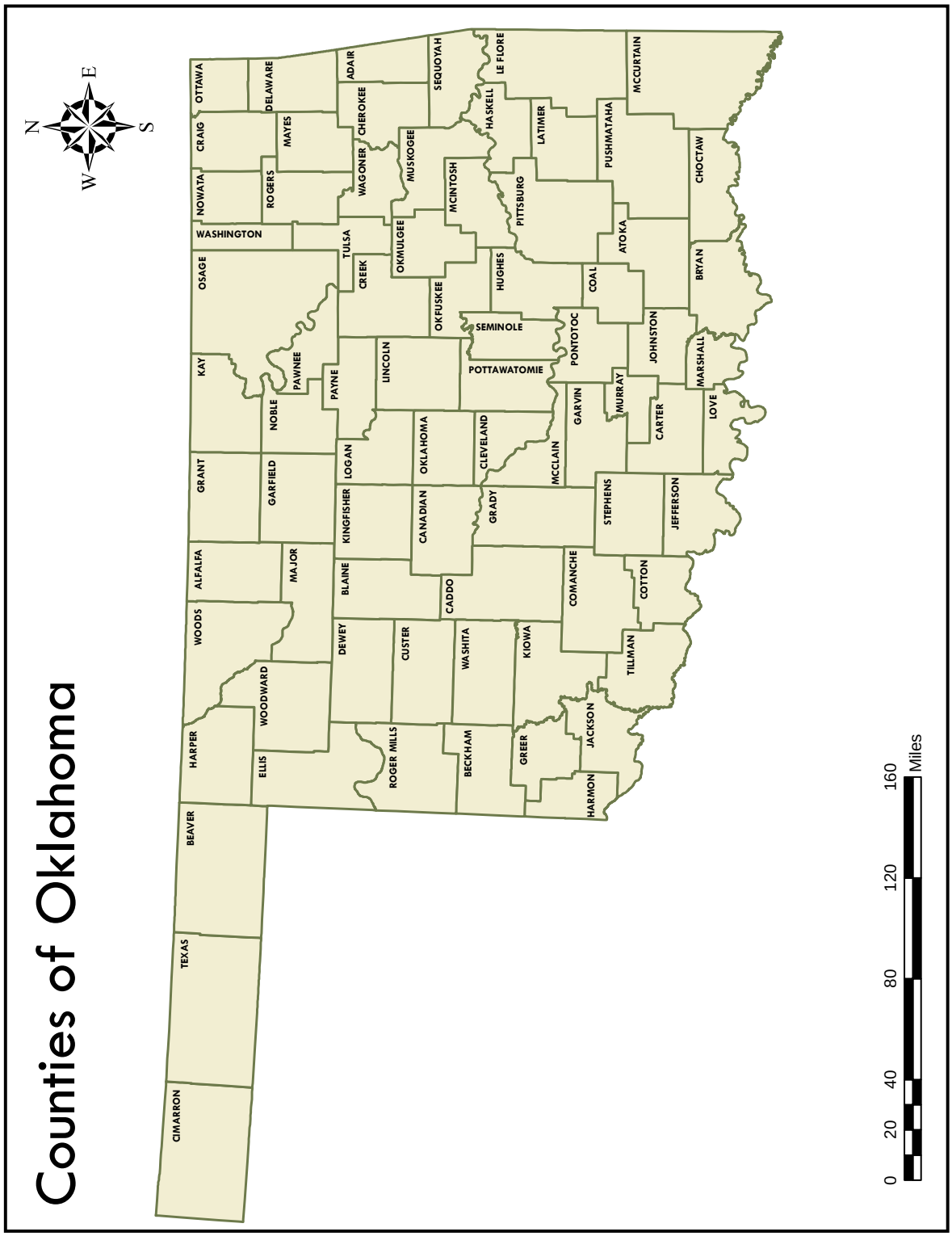

TABLE 9. ATLAS OF OKLAHOMA

State Population♦	3,617,316
State Surface Area, Square Miles♦♦	69,919
Number of Major Watershed Basins	7
Total Number of River and Stream Miles♣ Number of Perennial River and Stream Miles♣ Number of Intermittent Stream Miles♣ Number of Canals or Ditches♣ Number of River Border Miles♦♦♦	78,778 22,386 55,413 175 517
Total Number of Lakes/Reservoirs/Playa/Ponds♣♣ Number of Large Lakes♣♣ Number of Public & Private Lakes♣♣ Number of Watershed Protection Lakes♣♣ Number of Playa Lakes (wet season only)♣♣ Number of Oxbow Lakes (≥ 10 Acres)♣♣ Number of Farm Ponds (Soil Conservation Service assisted)♣♣	224,948 34 2,303 1,964 585 62 220,000
Total Number of Lakes/Reservoirs/Playa/Ponds Acres♣♣ Major Lake Acres♣♣ Public & Private Lake Acres♣♣ Watershed Protection Lake Acres♣♣ Playa Lakes Acres♣♣ Oxbow Lake Acres♣♣ Farm Pond Acres♣♣	1,041,884 555,450 89,836 54,261 9,572 2,765 330,000
Total Number of Freshwater Wetland Acres♣♣♣	733,895

♦ 2007 US Census Bureau Estimate
♦♦ Based upon United States Geological Survey information
♦♦♦ OWRB Data
♣ Reach File 3/Digital Line Graph Data
♣♣ Oklahoma Water Atlas, 1990
♣♣♣ Estimates compiled from the Wildlife Department & U.S. Fish & Wildlife Service

Climate

Oklahoma has a continental type of climate. There are pronounced seasonal and geographical ranges in both temperature and precipitation. Average annual temperature varies from 53.6°F in the western part of the Panhandle up to 63.8°F in the southeast part of the state. Annual rainfall varies from approximately 17 inches in the far western part of the Panhandle to over 55 inches per year near the LeFlore County/McCurtain County/Arkansas border. The average growing season varies from 180 days in the Panhandle to 240 days in the southeast corner. Typically, 75% of Oklahoma's annual precipitation falls during the growing season.

Water Pollution Control Programs

The myriad and complex water quality problems remaining today require a more comprehensive approach to find workable and effective solutions. As we continue to have success reducing impacts from point sources, pollution from nonpoint sources takes on more significance. Non-traditional concerns such as habitat degradation and conservation of biological diversity also call for a comprehensive approach.

The watershed approach provides such a management framework. Utilizing support from the 104(b)(3) program, Oklahoma has taken the first steps to implement the watershed approach for water quality management in the state. The following accomplishments have been achieved:

- A Whole Basin Planning Approach Working Group was established to coordinate planning and implementation of the watershed approach in Oklahoma. Representatives of the various state and federal agencies with a role in water quality management were represented on the Working Group.

- A cooperative project with USGS produced a new digital elevation model and digital watershed maps for the state. Existing 8-digit cataloging units were subdivided into 11-digit watersheds. These watershed maps are the basis for the state program. The maps have been published on CD-ROM and are available to all agencies and the public.

- Utilizing the new watershed boundaries, the Working Group delineated 11 Watershed Management Units that are used to implement the watershed approach. The intent is that planning, monitoring, permitting, and other water quality programs will eventually be coordinated and organized at this scale when the watershed approach is fully implemented.

- Accurate locational data on all dischargers has been gathered using the Global Positioning System. These data have been built into a GIS-compatible format for analysis. Links to permitting and monitoring data in the PCS system have been established for analysis and assessment purposes.

- A technical committee was established to develop an implementation plan to utilize the new Watershed Management Units and watershed boundaries in the various reporting and planning programs. Water Quality Standards, the 303(d) list, the 208 Plan, and the 305(b) Report were targeted for this effort.

Water Quality Standards Program

Oklahoma's WQS are set forth under statutory authority of the OWRB authorized under 82 O.S. § 1085.30. Under these statutes, the OWRB "is required to set water quality standards which are practical and in the best public interest and to classify the state's waters with respect to their best present and future uses. These WQS are designed to enhance the quality of the waters, to protect their beneficial uses, and to aid in the prevention, control and abatement of water pollution in the State of Oklahoma" (OWRB, 2006). The WQS have established designated beneficial uses and standards for all of Oklahoma's waters.

Oklahoma defines waters of the state to mean "all streams, lakes, ponds, marshes, watercourses, waterways, wells, springs, irrigation systems, drainage systems, and all other bodies or accumulations of water, surface and underground, natural or artificial, public or private, which are contained within, flow through, or border upon this state or any portion thereof 82 O.S. § 1084.2(3).

Much of the work developing WQS over the past three decades has been dedicated to the control of point source discharges through chemical-specific criteria and permit limits. Over the past five years, biological water quality criteria have also been pursued.

Potential uses of biocriteria, as they pertain to Oklahoma's WQS, are numerous and far-reaching. Upon completion, biocriteria and their implementation procedures should be incorporated into the OWRB Rules and into Oklahoma's Continuing Planning Process (CPP) document. They should then be used as an assessment tool.

The current biological thresholds will allow state agencies and others to consistently analyze the biological community in terms of the Fish and Wildlife Beneficial Use. These procedures will, for the first time, allow for consistent examination of biological communities with a minimum of subjectivity and judgment. Ongoing work in this area of biocriteria development will eventually provide statewide coverage and a biological Use Support Assessment Protocols for all ecoregions in Oklahoma.

Candidate reference streams have been selected in the Ouachita Mountain, Arkansas Valley, Boston Mountains, Ozark Highlands, and Central Irregular Plains ecoregions. Previous work has determined reference taxa for these

ecoregions and these lists are currently being validated through thorough stream assessments. Following are details of the ecoregions listed above (OWRB, 2006):

Special provisions for Ouachita Mountains wadable streams.

The determination of whether the use of Fish and Wildlife Propagation is supported for wadable streams located in the Ouachita Mountains ecoregion shall be made according to the application of Appendix C of this Chapter, together with this subsection, as follows:

(1) Where designated, the subcategory of Warm Water Aquatic Community shall be deemed fully supported if the application of Appendix C produces a score of 35 or more. Such subcategory shall be deemed not supported if the application of Appendix C produces a score of 24 or less. If a score is 25 to 34 inclusive, the issue of whether this subcategory is supported shall be deemed undetermined.

(2) Where designated, the subcategory of Habitat Limited Aquatic Community shall be deemed fully supported if the application of Appendix C produces a score of 27 or more. Such subcategory shall be deemed not supported if the application of Appendix C produces a score of 18 or less. If a score is 19 to 26 inclusive, the issue of whether this subcategory is supported shall be deemed undetermined.

Special provisions for Arkansas Valley wadable streams.

The determination of whether the use of Fish and Wildlife Propagation is supported for wadable streams located in the Arkansas Valley ecoregion shall be made according to the application of Appendix C of this Chapter, together with this subsection, as follows:

(1) Where designated, the subcategory of Warm Water Aquatic Community shall be deemed fully supported if the application of Appendix C produces a score of 35 or more. Such subcategory shall be deemed not supported if the application of Appendix C produces a score of 24 or less. If a score is 25 to 34 inclusive, the issue of whether this subcategory is supported shall be deemed undetermined.

(2) Where designated, the subcategory of Habitat Limited Aquatic Community shall be deemed fully supported if the application of Appendix C produces a score of 27 or more. Such subcategory shall be deemed not supported if the application of Appendix C produces a score of 18 or less. If a score is 19 to 26 inclusive, the issue of whether this subcategory is supported shall be deemed undetermined.

Special provisions for Boston Mountains and Ozark Highlands wadable streams.

The determination of whether the use of Fish and Wildlife Propagation is supported for wadable streams located in the Boston Mountains and Ozark Highlands ecoregions shall be made according to the application of Appendix C of this Chapter, together with this subsection, as follows:

(1) Where designated, the subcategory of Cool Water Aquatic Community shall be deemed fully supported if the application of Appendix C produces a score of 37 or more. Such subcategory shall be deemed not supported if the application of Appendix C produces a score of 29 or less. If a score is 30 to 36 inclusive, the issue of whether this subcategory is supported shall be deemed undetermined.

(2) Where designated, the subcategory of Warm Water Aquatic Community shall be deemed fully supported if the application of Appendix C produces a score of 31 or more. Such subcategory shall be deemed not supported if the application of Appendix C produces a score of 22 or less. If a score is 23 to 30 inclusive, the issue of whether this subcategory is supported shall be deemed undetermined.

Special provisions for Central Irregular Plains wadable streams.

The determination of whether the use of Fish and Wildlife Propagation is supported for wadable streams located in the Central Irregular Plains ecoregion shall be made according to the application of Appendix C of this Chapter, together with this subsection, as follows:

(1) Where designated, the subcategory of Cool Water Aquatic Community shall be deemed fully supported if the application of Appendix C produces a score of 35 or more. Such subcategory shall be deemed not supported if the application of Appendix C produces a score of 28 or less. If a score is 29 to 34 inclusive, the issue of whether this subcategory is supported shall be deemed undetermined.

(2) Where designated, the subcategory of Warm Water Aquatic Community shall be deemed fully supported if the application of Appendix C produces a score of 30 or more. Such subcategory shall be deemed not supported if the application of Appendix C produces a score of 22 or less. If a score is 23 to 29 inclusive, the issue of whether this subcategory is supported shall be deemed undetermined.

(3) Where designated, the subcategory of Habitat Limited Aquatic Community shall be deemed fully supported if the application of Appendix C produces a score of 25 or more. Such subcategory shall be deemed not supported if the application of Appendix C produces a score of 16 or less. If a score is 17 to 24 inclusive, the issue of whether this subcategory is supported shall be deemed undetermined.

Special provisions for Central Oklahoma - Texas Plains wadable streams.

The determination of whether the Warm Water Aquatic Community subcategory of the Fish and Wildlife Propagation beneficial use is supported for wadable streams located in the Central Oklahoma - Texas Plains ecoregion shall be made according to the application of Appendix C of this Chapter, together with this subsection, as follows:

(1) Such subcategory shall be deemed fully supported if the application of Appendix C produces a score of 26 or more.

(2) Such subcategory shall be deemed not supported if the application of Appendix C produces a score of 19 or less

(3) If the application of Appendix C produces a score of 20 to 25 inclusive, the issue of whether this subcategory is supported shall be deemed undetermined.

Special provisions for Central Great Plains wadable streams.

The subcategory of Warm Water Aquatic Community of the beneficial use of Fish and Wildlife Propagation in the wadable streams located in the Central Great Plains ecoregion shall be deemed fully supported if the application of Appendix C of this Chapter produces a score of 22 or more. Such subcategory shall be deemed not supported for the streams in the ecoregion of the application if the application of Appendix C produces a score of 18 or less. If the application of Appendix C produces a score of 19 to 21 inclusive, the issue of whether this subcategory is supported for the streams in this ecoregion shall be deemed undetermined. Provided, however, this subsection does not apply to the area bounded by State Highway 64 on the west, U.S. Highway 62 on the south, U.S. Highway 281 on the east and State Highway 19 on the north.

Oklahoma will be able to monitor biological communities to determine the effectiveness of permit limits and the parameter-specific criteria they are base upon. Incorporation of biological monitoring and biocriteria to evaluate fish and wildlife beneficial use support will help reduce monitoring costs by eliminating otherwise required tests for metals, pesticides, and other toxic substances.

Point Source Control Program

Oklahoma's point source pollution control programs are administered and carried out by the DEQ. The DEQ administers both municipal and industrial dischargers and issues permits. The DEQ is responsible for monitoring the dischargers to ensure compliance with permit limitations and conditions as well as to receive and review the permittee's self-monitoring data.

For industrial dischargers, the DEQ relies on a two-step process for permit development. In the first step, minimum treatment level standards, based on the industry type, are established. These are termed "technology-based limits." The technology-based limits are evaluated to determine if a potential exists to violate the WQS. If the potential exists to violate the WQS, then more stringent "water quality-based limits" will be selected for use in the permit.

Each permit specifies both monitoring and reporting requirements for the facility. The permit gives the effective dates of limits, parameters to be tested, applicable limits for each parameter, frequency of analysis, and sample type of monitoring. Monitoring results are summarized on a monitoring report form and submitted to the DEQ according to the schedule in the permit. All Discharge Monitoring Reports (DMR) and reports from the permittee are reviewed and violations noted. The permittee's compliance is tracked using the Permit Compliance System (PCS). The administrative staff utilizes violation review criteria to screen for significant violations. This screening process assures that limited enforcement resources concentrate on the most significant violations. The following criteria are used to identify significant violations:

- Two or more excursions of 40% or more for inorganic and oxygen demanding pollutants during a six-month period.
- Two or more excursions of 20% or more for toxic pollutants during a six-month period.
- Non-reporting violations.
- Chronic violations, any violation of any monthly effluent limit for any four or more months in a six month period.
- Any effluent violation that causes or has potential to cause a water quality or human health problem.
- Permit schedule violations.
- Violations of enforcement orders
- Any unauthorized bypass, unpermitted discharge, or pass through of pollutants which may cause a water quality or human health problem.
- Construction or modification of sewage treatment works, Publicly Owned Treatment Works conveyance system or industrial wastewater impoundment, without a permit.

The criteria used for determining significant violations are based on the EPA's current policy, which is used to evaluate all major and minor permits under the DEQ's jurisdiction.

Quality assurance strategies are used by the DEQ to ensure that facilities comply with their permit. Field inspections are conducted on a regular basis with samples of the discharge collected for analyses. The Customer Assistance Division maintains the laboratory certification program. This program assures that industries follow all Quality Assurance and Quality Control methods when analyzing their effluent samples. All permits require that all analyses used to determine permit compliance be performed by a DEQ certified lab.

The limits for the permits are "water quality based" and are designed to protect the beneficial uses of the receiving stream. All permits are tracked through the state's Water Quality Management Plan. The plan is updated as needed. The updates to the Plan occur on a regular basis with the last full annual update to the Plan being in 1984.

Each permit is written for a single facility. Most facilities have only one discharge; however, some do have multiple discharges. The information found in each permit includes: latitude and longitude for the facility and/or its point of discharge; effective date(s) of the permit; limits; self-monitoring frequency and sampling type for each discharge point; etc. In addition, the permit also requires the permittee to prepare and submit monthly Discharge Monitoring Reports, which give a summary of the results of the self-monitoring. The Discharge Monitoring Reports are submitted to DEQ.

All Discharge Monitoring Reports from the permittee are reviewed with violations being noted. The permittee's compliance is then tracked using the PCS (an EPA computer database system). The DEQ screens the DMR for significant violations. This screening process allows the DEQ to concentrate its funding where it is needed most.

Quality Assurance/Quality Control practices are used by the DEQ to ensure that publicly owned treatment works are complying with permit conditions. Regular inspections of publicly owned treatment works facilities are conducted by the DEQ and/or the EPA inspectors with samples of a facility discharge collected for analysis. The DEQ requires that all operators and laboratory technicians of publicly owned treatment works be properly trained and certified.

Nonpoint Source Control Program

The OCC serves as the lead technical agency for the nonpoint source (NPS) control program except for oil and gas activities and petroleum storage tanks, which are under Corp. Comm. jurisdiction. The NPS program is a cooperative effort of state, federal and local agencies. Some of these agencies include the OCC, the DEQ, the ODAFF, the OWRB, Corp. Comm., local conservation districts, and local landowners. The management programs identify the state, federal and local agencies with responsibilities relative to the nonpoint source of pollution in question and outline a plan of action to reduce or eliminate those sources.

The 2000 revision of the NPS Management Program document includes an inventory of best management practices available for controlling NPS pollution. There are two basic classes of Best Management Practices (BMPs): 1) practices that reduce the pollutants available for transport by the normal rainfall/runoff process (management practices), and 2) devices that reduce the amount of pollutants in the runoff before it is discharged to a surface water body (structural practices). The two main categories of BMPs can be broken down into the following seven general categories:

1. Detention Basins -- The term detention applies when the runoff is temporarily stored, and apart from relatively minor incidental losses due to evaporation or percolation, is subsequently discharged to surface water. Control results from a reduction in pollutant concentrations due to settling during the period that the runoff is detained.
2. Retention Devices -- The term retention applies when runoff is permanently captured so that it is never discharged directly to surface water. The usual mechanism by which storm-water controls permanently capture surface runoff is by infiltration. These techniques are often referred to as infiltration BMPs.
3. Vegetative Controls -- Vegetative controls provide contact between storm-water runoff and vegetated areas and accomplish pollutant removal by combination of filtration, sedimentation and biological uptake that reduce pollutant concentrations, and/or by a reduction in runoff volume due to infiltration or evapotranspiration. Vegetative controls are particularly effective in reducing erosion from runoff across disturbed sites or road bar ditches.
4. Source Controls -- Source control techniques include any practice that either 1) reduce the amount of accumulated pollutants on the land surface available for runoff by rainfall, or 2) regulate the amount of impervious area to reduce the portion of rainfall that will appear as runoff, or 3) exclude inappropriate discharges to storm drains.
5. Discharge Management -- This BMP category refers specifically to the hydrostructure/tailwater category. Under this BMP, impoundment discharge is managed so that the power of discharge water is kept to a minimum and the quality of water is kept at a maximum. This includes aeration of tailwater or, other measures that increase dissolved oxygen levels in tailwater areas.
6. Grade Stabilization -- Grade stabilization refers to any of several different practices used to stabilize areas where rapid runoff of storm-water results in erosion. These can be either temporary or permanent and are generally used in drainage ways where the slope exceeds five percent.
7. Stream Bank Protection -- Stream bank protection refers to the practices used to maintain banks by preventing bank scouring, caving, and gullying. This category includes stream channel stabilization and in-stream structure for water quality control.

The OCC will perform pre- and post-implementation monitoring to gauge the success of its projects.

The OCC is working toward solving the nonpoint source pollution problems in the watersheds of Lake Eucha, Illinois River, and Wister Lake, in cooperation with several agencies, including Corporation Commission, the ODAFF, the Scenic Rivers Commission, DEQ, the OWRB, INCOG, ACOG, the Cooperative Extension Service, the NRCS, and the

Agricultural Stabilization and Conservation Service. The project objectives are to 1) implement BMPs in those watersheds 2) demonstrate control measures to decrease nutrient loading in the watershed, 3) transfer information from successful demonstration projects to other watersheds, and 4) create a management program to coordinate all aspects of watershed remediation.

The OCC is the state agency that oversees implementation of the new Conservation Reserve Enhancement Program (CREP) signed April 23, 2007. CREP is a $20.6 million cooperative conservation partnership agreement between USDA and Oklahoma. The program pays eligible landowners in eligible watersheds to establish areas of riparian buffers along streams, removing those strips of land from agricultural production for at least 15 years. Focused in northeast Oklahoma, CREP will create 500 acres of vegetative filter strips and 8,500 acres of riparian buffers for a total of 9,000 acres (or 370 miles) of protected streams. The conservation plantings will reduce the flow of nutrients, sediment and other pollutants in the Spavinaw Lake and Illinois River/Lake Tenkiller watersheds. Key CREP partners also include City of Tulsa's Metropolitan Utility Authority, Oklahoma Scenic Rivers Commission, conservation districts of Adair, Cherokee, Delaware, Mayes, and Sequoyah counties, the USDA Farm Service Agency (FSA) and USDA Natural Resources Conservation Service (NRCS).

The ODAFF has authorities under the Oklahoma Confined Animal Feeding Operation and Poultry Registration Acts to enforce regulations governing the owners and/or operators of concentrated confined animal feeding operations. This Act requires all animal wastes and wastewaters from such operations be held in a total retention system preventing its discharge to the waters of the state and that waste generated in these operations be disposed of in a proper manner. This Act was designed to prevent and abate pollution from entering and contaminating any surface or groundwater. Under this Act, the ODAFF is required to conduct inspections of these operations as well as investigate any complaints filed against such operations. The ODAFF can take regulatory action against a violator as deemed necessary.

The ODAFF has authorities under the Oklahoma Fertilizer Law to enforce the proper handling and storage of commercial fertilizers. The ODAFF licenses all bulk fertilizer storage facilities. All fertilizer materials shall be stored, applied, and handled in a manner, which prevents pollution of groundwater by minimizing losses of the fertilizer materials. This law is designed to prevent and abate the pollution of surface and groundwater within the state. Under this law, the ODAFF has the authority to conduct routine inspections of bulk storage facilities as well as investigate complaint received on a facility. The ODAFF can take regulatory action against a violator as deemed necessary.

The ODAFF has authorities under the Oklahoma Pesticide Applicator Law and the Oklahoma Pesticide Law to enforce the proper handling, storage, and use of commercial pesticides. These laws give the ODAFF authority to mandate regulations for the use of pesticides, how they are to be stored, and who can purchase them for application. These laws are designed to prevent or abate pollution of the waters of the state. Under these laws, the ODAFF must conduct routine inspections and investigates complaints on all facilities or individuals who store, sell, or apply pesticides. The ODAFF can take regulatory action against a violator as deemed necessary.

The ODAFF is also funding a yearly program to collect and properly dispose of unwanted pesticides. All Oklahoma farmers, ranchers, pesticide dealers, commercial applicators and non-commercial applicators are eligible to participate in this program. The ODAFF has contracted a licensed hazardous waste company to collect and properly dispose of waste pesticides in Oklahoma.

Corp Comm has worked with the Integrated Petroleum Environmental Consortium (IPEC), a consortium of the University of Tulsa (TU), the University of Oklahoma (OU), Oklahoma State University (OSU), and the University of Arkansas (UA) at Fayetteville, and the Marginal Well Commission to develop and disseminate best management practices for the hundreds of small oil and gas operators in the state. IPEC and Well Commission meetings and workshops, along with the brochures, checklists, kits, videos, and other materials provided by IPEC, have helped producers reduce the environmental impacts from their oil and gas activities. In addition, Corp Comm has adopted and enforced rules on site operation, pollution containment BMPs, land application, and spill cleanup with site restoration that help to minimize non point source impacts.

There are other nonpoint source projects that affect either a specific watershed area, or are statewide projects that will affect several waterbodies. In addition, there are projects planned in other areas of concern other than agriculturally related problems. Continuation of this program is dependent largely on federal grant support.

Superfund Program

Historical hazardous waste problems did not fit into the regulatory hazardous waste system until the passage of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA, or Superfund) of 1980. This act created a large scale national program to identify and clean up sites contaminated from historical hazardous waste problems and whose owners were no longer available or financially solvent to pay for the clean up, or whose owners where no longer around. The term "Superfund" was coined to describe the source of funding for this program. Funding for remedial action was initially obtained from a national revolving fund. The fund obtained its monies through taxes paid on chemical feedstocks used in the manufacture of chemical products that are likely to become hazardous waste. This fund has not been reauthorized since 1996 and funding now relies on general appropriations by Congress. Superfund also established a mechanism to recover cleanup costs from potentially responsible parties.

The DEQ's Superfund Program conducts and oversees pre-remedial and remedial activities on several Superfund sites. The Oklahoma Superfund Program relies on federal monies awarded through a cooperative agreement with EPA. There are thirteen sites in Oklahoma that are on the EPA National Priority List (NPL). EPA ranks sites for clean up based on the actual or potential risks posed to human or the environment.

The DEQ's Voluntary Cleanup Program and Brownfield Redevelopment Programs have several large Superfund-like sites that are undergoing investigation and cleanup. In addition to these larger sites the Voluntary Cleanup Program has dozens of sites that are undergoing remediation for ground water contamination. There are also many RCRA sites that are undergoing corrective action for ground water contamination that are not listed here.

The DEQ also has authority under 27A O.S. §2-7-123 for risk based remediations, and/or 27A O.S. §2-15-107 for Brownfields sites to place notices on property deeds of risk-based remediation and also allows for restrictions on certain uses, including ground water if appropriate. Some of the sites listed below have such notices and restrictions filed in their respective county office.

Refer to Table 10, "Superfund, NPL, and Non-NPL Sites Impacting on Groundwater and Surface Water" for a listing of sites within Oklahoma.

TABLE 10. SUPERFUND, NPL, AND NON-NPL SITES IMPACTING ON GROUNDWATER AND SURFACE WATER

Sites	Legal	County	Contaminant of Concern	Groundwater Impacted (Yes/No)	Surface Water Impacted (Yes/No)
Tar Creek Mining Activities	R24E T29N S16-21 R24E T29N S29-32 R24E T28N S5-6 R23E T28N S05-08 R23E T28N S18-19 R23E T28N S30 R23E T29N S13-36 R22E T28N S01 R22E T28N S12-13 R22E T28N S24-25 R22E T28N S30 R22E T29N S13 R22E T29N S24 R22E T29N S25 R22E T29N S36	Ottawa	Acid Water Cadmium Iron Lead Sulfates Zinc	Boone Aquifer Yes Roubidoux Aquifer, yes (locally near Picher and Quapaw)	Tar Creek Yes

Sites	Legal	County	Contaminant of Concern	Groundwater Impacted (Yes/No)	Surface Water Impacted (Yes/No)
Sand Springs Petrochemical Complex Refinery/ Solvent Recycling	R11E T19N S13-14	Tulsa	Volatile Organic Compounds	Arkansas River Alluvium Yes	Arkansas River (receives discharges but no identifiable impacts)
Compass Municipal Landfill	R12E T19N S18	Tulsa	Benzene Bleaches Caustics Jet Fuel PCBs Pesticides Solvents	Not Applicable	Arkansas River No
Hardage-Criner Industrial Landfill	R04W T06N S24	McClain	Acids Alcohols Caustics Metals Pesticides Solvents	North Criner Creek Alluvium Yes	North Criner Creek Yes
Tenth Street Salvage Yard	R02W T12N S31	Oklahoma	PCBs	North Canadian Alluvium No	North Canadian River No
Tinker AFB Aircraft Maintenance	R02W T11N S14 R02W T11N S23	Oklahoma	Organic Solvents (TCE) Chromium Petroleum Fuels	Garber-Wellington Aquifer Yes	Soldier Creek Yes
Fourth Street Refinery	SE4 SEC35 T12N R3W & SW4 SEC36 T12N R3W	Oklahoma	Lead BTEX Volatile Organic Compounds	Garber-Wellington Aquifer Yes North Canadian Alluvium Yes	North Canadian River No identifiable impacts
Mosley Road Landfill Municipal Landfill	R02W T12N S21	Oklahoma	Volatile Organic Compounds	Garber-Wellington Aquifer Yes North Canadian Alluvium Yes	North Canadian River No

Sites	Legal	County	Contaminant of Concern	Groundwater Impacted (Yes/No)	Surface Water Impacted (Yes/No)
Double Eagle Refinery Refinery	SE4 SEC35 T12N R3W & SW4 SEC36 T12N R3W	Oklahoma	Lead BTEX Volatile Organic Compounds	Garber-Wellington Aquifer Yes North Canadian Alluvium Yes	North Canadian River No
Oklahoma Refining Co Refinery	R09W T05N S18-19	Caddo	Metals VOCs Petroleum Organics Aromatic Hydrocarbons	Rush Springs Aquifer Yes	Gladys Creek Yes
Kerr-McGee Cushing Refinery Refinery	R05W T18N S22&27	Payne	Acid Oil Sludge Heavy Hydrocarbons	Unconfined Aquifer Yes Vamoosa-Ada Aquifer No	Skull Creek Yes
Kerr-McGee Cleveland Refinery Refinery	R08E T21N S18	Pawnee	Petroleum Coke Asbestos Acid Sludges	Cedar Creek Alluvium Yes Vamoosa-Ada Aquifer Yes	Cedar Creek Yes
Blackwell Zinc Smelter	R01W T27N S21	Kay	Metals	Chikaskia River Alluvium Yes	Unnamed tributary of Chikaskia River Yes
National Zinc	R12E T26N S11	Washington	Metals	Not Applicable	Unnamed tributary of Eliza Creek Cleaned up
Federated Metals Smelter	R11E T19N S10	Tulsa	Metals	No	No
Tulsa Fuels & Manufacturing Smelter	NE4 SE4 NE4 SEC 31 & SW4 NW4 SEC32 T22N R14E 1M	Tulsa	Metals	No	Unnamed drainages Yes (sediment only)

Sites	Legal	County	Contaminant of Concern	Groundwater Impacted (Yes/No)	Surface Water Impacted (Yes/No)
Hudson Refining Refinery	SW4 SEC33 T18N R05E & NE4 NW4 SEC04 T17N R05E 1m	Payne	Hydrocarbons metals	Vanoss Aquifer Yes	Wastewater Ponds On-Site Yes Skoll Creek No
Duncan Refinery Refinery	R7W T1S S32	Stephens	Hydrocarbons	Garber Yes	Claridy Creek Yes
Collinsville Smelter Smelter	R14E T22N S32	Tulsa	Metals	No	Blackjack Creek Yes (sediment only)
U.S. Zinc Company Smelter	R13E T11N S6	Okmulgee	Metals	No	Yes
Coltec, Inc. Manufacturing	R13E T11N S3	Sequoyah	Solvent (PCE)	Boggy Formation Yes	No
Rab Valley Lumber	R25E T8N S15, S16	LeFlore	PAHs	Yes	Yes
Union Pacific Railroad	R7W T17N S14	Kingfisher	Carbon Tetrachloride	Yes	No
Okmulgee Refinery	R13E T13N S31 R13E T12N S6	Okmulgee	BTEX, Metals, PAHs	Yes	Yes
Imperial Refining Corporation	R2E T4S S20, S21	Carter	BTEX, Metals, PAHs	No	Wetlands Yes
Clinton-Sherman Industrial Airpark Airbase	R19W T10N S10-11 R19W T10N S14-15	Washita	Trichloro-ethane (TCE)	Elk City Sandstone Aquifer Yes	Not Applicable

Sites	Legal	County	Contaminant of Concern	Groundwater Impacted (Yes/No)	Surface Water Impacted (Yes/No)
Dobson Ranch	NW4 SEC 17 T11N R26W IM	Roger Mills	Benzene	Ogallala Yes	No
Cornerstone Shopping Center	SE4 SEC16 T 12N R 4W approx 6 acres of West Park Addition to Oklahoma City	Oklahoma	Tetrachloroethene	Quaternary Terrace Deposits Yes	No
Oklahoma City Urban Renewal - Phase I	21.6 acres of the NW4 SEC 3 T11N R3W	Oklahoma	Hydrocarbons	Alluvium and Terrace Deposits Yes	No
Blackstar Performance	SE4 SEC25 T20N R8E & NE4 SEC25 T20N R8E	Pawnee	Chlorinated solvents	Tallant Formation Yes	No
OKC Solvent Plume	80 acres in NE/4 S27 T12N R4W & NW/4 S27 T12N R4W	Oklahoma	Chlorinated solvents	N. Canadian Terrace Deposits Yes	No
Compass Industries Landfill	R12E T9N SEC18 & NE4 SE4 SEC 13 T 19N R 11E	Tulsa	SVOC	Yes	Yes

Sites	Legal	County	Contaminant of Concern	Groundwater Impacted (Yes/No)	Surface Water Impacted (Yes/No)
Anadarko Petroleum	NW1/4 Sec4 T22N R6W	Garfield	Petroleum Hydrocarbons and metals	Yes (Terrace Deposits)	No
Michelin/BFG	N1/2 SW1/4 T28N R22E	Ottawa	VOC	Yes	No

Cost/Benefit Assessment

Costs

The citizens of this state demand a safe environment in which to live. We take for granted the availability of clean, safe, adequate drinking water, clean air, inexpensive and convenient solid waste disposal, adequately maintained wastewater treatment facilities, and an aesthetically pleasing natural environment for recreation.

The mechanisms for providing a clean and safe environment are divided among the federal, state, and municipal/local governments. It is therefore difficult to obtain an accurate estimate of the cost of water pollution control efforts. However, a portion of the costs of water pollution control, on an annual basis, can be obtained by looking at funding received under the CWA. Table 11 provides this information for currently active grants.

TABLE 11. FEDERAL CLEAN WATER ACT AND STATE MATCHED FUNDING FOR CURRENTLY ACTIVE GRANTS

GRANT NAME	AWARD AMOUNT	STATE SHARE	TOTAL
05 604 (b)	$100,000	$0	$100,000
06 604 (b)	$100,000	$0	$100,000
07/08 604(b)	$ 200,000	$0	$200,000
03 319 (h)	$3,677,000	$2,451,333	$6,128,333
04 319 (h)	$3,639,800	$2,426,533	$6,066,333
05/06 319 (h)	$6,299,900	$4,199,933	$10,499,833
07/08 319(h)	$ 7,691,800	$5,127,867	$12,819,667
03 Wetlands	$215,180	$71,726	$286,906
05 Wetlands	$379,524	$126,510	$506,034

GRANT NAME	AWARD AMOUNT	STATE SHARE	TOTAL
06 Wetlands	$186,600	$62,200	$248,800
07 Wetlands	$310,796	$158,528	$469,324
08/09 106	$2,934,637	$271,544	$3,206,181
05 104 (b)(3)	$199,500	$10,500	$210,000
05 104 (b)(3)	$61,640	$3,244	$64,884
03 104 (b)(3)	$247,955	$13,050	$261,005
04 104 (b)(3)	$253,758	$13,355	$267,113
05 104 (b)(3)	$304,000	$16,000	$320,000
07 104(b)(3)	$150,000	$149,956	$299,956
06 Title VI State Water Pollution Control Revolving Loan Fund	$7,046,300	$1,409,260	$8,455,560
Totals	**$33,998,390**	**$16,511,539**	**$50,509,929**

Table 12 Lists projects funded through the Clean Water SRF loan program for construction of new wastewater treatment and collection system projects and rehabilitation or upgrades for fiscal years 2006 & 2007. Total assistance amounts listed represent funds committed to projects upon loan closing or final project costs, which are determined upon project completion and may vary slightly.

TABLE 12. FY 2006-2007 MUNICIPAL WASTEWATER TREATMENT CONSTRUCTION PROJECTS FUNDED THROUGH THE CLEAN WATER STATE REVOLVING FUND

COMMUNITIES SERVED	PROJECT NUMBER	ASSISTANCE AMOUNT	FISCAL YEAR OBLIGATIONS	BINDING COMMIT DATE	FEDERAL FUNDS	NON-FEDERAL FUNDS
Broken Arrow MA	ORF-05-0006-CW	$15,000,000	06	06/20/06	12,450,000	2,550,000
Glencoe PWA	ORF-05-0003-CW	$170,000	06	12/13/05		$170,000
Pauls Valley MA	ORF-04-0013-CW	$900,000	06	09/13/05		$900,000
Noble UA (Ref.)	ORF-06-0004-CW	$2,540,000	06	03/14/06		$2,450,000
Sand Springs MA	ORF-05-0010-CW	$2,250,000	06	05/10/05	$1,867,500	$382,500
Stroud UA	ORF-05-0004-CW	$1,683,385.26	06	08/09/05		$1,683,385.26
Tishomingo MA	ORF-04-0003-CW	$1,115,000	06	10/11/05		$1,115,000
Tulsa MUA	ORF-05-0009-CW	$3,130,000	06	02/14/06	$2,597,900	$532,100
Beggs PWA	ORF-o5-0005-CW	$2,170,000	07	03/13/07		$2,170,000
Collinsville MA	ORF-06-0009-CW	$1,370,000	07	02/13/07		$1,370,000
Hobart PWA	ORF-06-0005-CW	$950,000	07	03/13/07		$950,000
Lawton WA	ORF-07-0003-CW	$10,420,000	07	06/12/07	$8,648,600	$1,771,400
McLoud PWA	ORF-04-0008-CW	$5,315,000	07	10/10/06		$5,315,000
Tulsa MUA	ORF-06-0006-CW	$17,825,000	07	10/10/06	$14,794,750	$3,030,250
Woodward MA	ORF-07-0001-CW	$1,400,000	07	06/12/07	$1,162,000	$238,000

Benefits

Authorized under CWA Section VI, Oklahoma's Clean Water State Revolving has received an average of $10.8 million in federal grant funds annually and has provided an average of $28.5 million annually in water pollution control financing since 1990. This program enables eligible public entities to receive low-interest financing for water pollution control activities, including construction of treatment works and urban storm water runoff projects, and nonpoint source pollution control activities. Through FY 2007 the Clean Water State Revolving Fund has provided over $513 million for 132 construction projects which support the fishable/swimmable goals of the Clean Water Act, assist the State in maintaining water quality standards, and protect and improve waters of the State.

With a 2.32-to-1 return on federal investment at the end of FY 2007, this program provides a renewable source of financing for Oklahoma's ever-increasing water pollution control funding gap, as repayments of these loans, combined with federal and state funds, investment income, and revenue bonds, are recycled to finance future projects. The program's "60%-of-market" fixed interest rate has saved communities an estimated $170 million in interest savings from program inception through July 2007.

Prior to the formation of the DEQ, the Pollution Control Coordinating Board had been assessing claims for wildlife or fish kills caused by known spills of pollutants. The Wildlife Department has and continues to use values set by the American Fisheries Society for assessing dollar amounts for all fish and/or wildlife kills. In most cases, the entity or responsible party(ies) pays the state for all damages.

One of the primary concerns for the state is the identification and quantification of water quality problems associated with nonpoint source pollution. The sources can be erosion of stream banks yielding excess sedimentation to streams and lakes, runoff from over fertilized croplands or pastures, runoff from lawns containing pesticides and fertilizers, and street runoff containing oil and grease. In addition, Oklahoma is now one of the top states in poultry and swine production, which have grown to become Oklahoma's second and third largest agricultural industries, respectively. There is concern regarding the generation of waste and its management. The nonpoint source Chapter describes some of the demonstration projects that are addressing these concerns. The agricultural and silvicultural nonpoint source management components required for 319 grant funding have been developed, approved by the EPA and implementation has begun. Additional management program components covering broader areas of concern have been developed and are currently under review. Once these management program components are approved, additional implementation projects can be started.

However, nonpoint source pollution should not be automatically attributed to agricultural activities, as there are many sources that contribute to nonpoint source pollution. Other nonpoint source concerns include: acid mine drainage impacts on surface and groundwater, runoff from oilfield activities, abandoned refineries, rural roads, hydrostructure tailwaters, in-place contaminants (i.e. underground storage tanks), industrial parks, on-site wastewater disposal systems, pollutants associated with recreation, and the effects of urban runoff.

Oklahoma has an active Wellhead Protection Program and the state has performed and is performing delineation of Wellhead Protection Areas for several municipalities. As a priority for the future, the state realizes the need to work closely with the municipalities to carry out source inventory surveys and assist with management and contingency plans for their groundwater based drinking water supplies.

The state has had a Water Quality Management Plan for several years, although it has been several years since its last update. Another of the state's priorities for the future is to develop an innovative and workable Water Quality Management Plan.

Many of the problems associated with point sources of pollution have been addressed through the National Pollutant Discharge Elimination System. As a result, the majority of point source dischargers has been identified and is monitored for permit compliance. The DEQ is working on refining its Total Maximum Daily Load process. This process will enable the state to better address pollution problems while permitting future growth of industry.

In order to obtain a better picture of the water quality of the state, Oklahoma and EPA should seek to increase funding for monitoring. In point of fact, monitoring in Oklahoma should be increased in order to meet the data needs of the various governmental entities. If our waters are to be managed in an effective and efficient manner it is essential that adequate amounts of good quality data be available to scientists and decision makers.

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Surface Water Assessment

Surface Water Monitoring Program

The two agencies primarily responsible for carrying out Oklahoma's surface water monitoring programs are the OCC and the OWRB.

Brief Summary of Oklahoma Conservation Commission Monitoring Activities

The Oklahoma Conservation Commission Water Quality (OCCWQ) Program conducts five major kinds of monitoring across the state. Following is a summary of these activities.

1. Ambient Monitoring
    a. Routine monitoring at fixed (Rotating Basins Monitoring Program) or randomly selected sites. RB program monitoring is conducted on a rotational basis such that sites are monitored for 24 months every five years.
    b. Identification of the magnitude, effect(s), and potential source(s) of nonpoint source pollution in the waters of the state.
    c. Includes collection of physical, chemical, and biological data.
    d. Fulfillment of the Clean Water Act Section 319 mandate, "to monitor and assess the State's waters for the effects of NPS pollution."

2. Diagnostic Monitoring
    a. Usually occurs subsequent to ambient monitoring
    b. Involves more in-depth sampling to confirm or refute suspected problems, identify and pinpoint sources, and more accurately document causes and effects of specific problems
    c. May include land use assessment, modeling, intensive water quality monitoring, and biological assessments

3. Implementation Monitoring
    a. Designed to determine the effects of best management practices (BMPs) on water quality
    b. Often involves sampling before and after a management practice is installed
    c. May include physical, chemical, and/or biological assessments and may involve collections via automated sampling devices.

4. Reference Condition Monitoring
    a. Designed to determine what conditions a healthy waterbody should exhibit in order to determine if other waterbodies are polluted, and to what extent
    b. Data collection includes measuring native plant communities, geology and soils, slope, climate, other factors related to geography, and resident communities of aquatic organisms
    c. As the reference data is collected and compiled, a more complete picture of reference conditions is established which will lead to a reduced need for reference monitoring
    d. Reference monitoring data will be used by the OWRB to help establish biological criteria as part of state water quality standards

5. Volunteer Monitoring
    a. Statewide volunteer monitoring program designed to provide a continuing opportunity for water quality and environmental education.
    b. Volunteers are trained and certified for collection of select physical, chemical, and biological data used for basic assessment and general trend monitoring

The OCC conducts other specialized types of monitoring, although rather infrequently and generally at the request of other agencies. Purposes for monitoring may include:

- Probabilistic based monitoring
- Protection of endangered species

- Total maximum daily load (TMDL) development
- Fluvial geomorphology (establishing the relationship between stream shape, climate, and the stream's location in the watershed)

All OCCWQ monitoring is conducted in accordance with EPA-approved Quality Assurance Project Plans (QAPPs). These QAPPs are subject to peer agency review and approval by the Office of the Secretary of the Environment. OCCWQ monitoring efforts are coordinated with other state and federal environmental agencies in order to maximize the use of state resources.

Brief Summary of Oklahoma Water Resources Board Monitoring Activities

OWRB conducts routine monitoring throughout the state. The major monitoring program is the Beneficial Use Monitoring Program (BUMP) out of which an annual report is generated and distributed to all State legislators. BUMP targets sites on lakes and streams in cooperation with DEQ, OCC, and other state agencies. Parameters are selected in order to establish the overall health of state waters and to discover ambient trends, develop TMDLs, and support development of water quality standards. The primary purpose of the BUMP is to assess the beneficial use support status of state surface waters.

OWRB also manages a statewide volunteer monitoring program called Water Watch. Samples are analyzed to determine overall trends and must meet data quality objectives outlined in the Water Watch Quality Assurance Project Plan.

In addition to BUMP and Water Watch, OWRB conducts several special monitoring efforts across the state. Parameters, sites, and frequency of monitoring are established on a case-by-case basis for each of these programs. All are established under formal contracts with the various entities.

- Clean Lakes & Technical Studies
    - Eucha & Spavinaw Lakes
        - Monitoring to assess impact of nutrients
        - Establish long-term monitoring plan
        - Determine target nutrient concentration to address taste & odor problems
    - Oklahoma City PWS Lakes
        - Conduct water quality and bathymetric measurements
        - Determine health and water quality trends
        - Includes OKC's six public water supply lakes and the North Canadian River
    - Wister Lake – project complete
        - Low-cost restoration pilot project
        - Focused on aquatic plant establishment and reduction of wave action
- Biological Assessments
    - Aimed at establishing biological criteria for inclusion in the Water Quality Standards
    - Combines physical, chemical, and biological measurements in a holistic approach

- Impaired Waterbody Monitoring – 303(d) List
    - Site-specific monitoring under various contracts with DEQ, OCC, and Oklahoma Corporation Commission
    - Aimed at verifying impaired waters listings and/or developing TMDLs

  All monitoring activities are coordinated with the other state and federal agencies that collect water quality data in order minimize duplication of efforts.

Brief Summary of Oklahoma Corporation Commission Monitoring Activities

The Corporation Commission (Corp Comm) does five types of environmental monitoring:

1. Soil sampling at spill and other potential pollution case sites;

2. Well water sampling near spill and other potential pollution source sites (ground water impacts are discussed in the Ground Water Quality section, page …);
3. Stream water sampling near spills, pits, purging wells, and other potential pollution sources;
4. Stream, and other surface water sampling in historic oilfield areas, to determine the overall impact of historical oilfield activity on the waters of the state; and
5. Sampling to evaluate the need for and propose watershed-specific revisions to surface water quality standards.

Both the Petroleum Storage Tank and the Oil and Gas Conservation (Oil & Gas) Divisions within the Oklahoma Corporation Commission perform the first three types of sampling. Only Corp Comm Oil & Gas does the types of sampling listed in 4 and 5. These were partially grant (104b, 319h) funded but mostly state funded until 2005, when Corp Comm Oil & Gas, with assistance from the Oklahoma Conservation Commission, began an extensive grant-funded sampling and source identification project in several old oilfield areas with high salinity produced water in South-Central Oklahoma. The descriptions below cover **only** Oil and Gas Division water quality monitoring.

A. Since 1998 the Oil and Gas Conservation Division has been performing and working with partners on the type of sampling listed in items 3 and 4 above. Overall, the number of sites sampled so far to determine stream water quality in oil and gas producing areas is:

- 5310 surface water sampling events to evaluate overall stream quality, and
- 1229 stream sample events in old oil fields in relation to nearby spills

This total includes 1,370 samples (approximately 10 per stream) collected and analyzed for Corp Comm Oil & Gas under the OWRB's Rotating BUMP program, and 1810 completed sampling events (plus 1045 dry/no access attempts) done by Conservation Commission personnel and paid for by Corp Comm Oil & Gas under the South Oklahoma 104b grant . The rest of the samples were state funded, collected by Corp Comm Oil & Gas personnel. Corp Comm Oil & Gas has been evaluating the analysis results to determine which of the monitored streams are actually impaired, and which are attaining some or all of their designated beneficial uses. A visual check for petroleum is made every time a stream is sampled.

B. In addition to the sampling listed above, in 2002 and 2003 Corp Comm Oil & Gas oversaw a project to gather typical mineral levels in streams in several watersheds. Corp Comm hoped to use this data, combined with other stream data already collected, to help determine appropriate watershed-based state water quality standards in several areas across the state. Conservation Commission staff collected most of the water samples, with Corp Comm Oil & Gas paying for the analyses with a small 104b grant and managing the data.. This includes

- 373 samples from approximately 90 streams in 25 watersheds collected by Conservation Commission and analyzed with Corp Comm Oil & Gas's funds;
- 87 BUMP samples collected in multiple streams for Corp Comm by OWRB in one additional watershed.

C. From 2005 until 2008 Corp Comm has worked on the South Central Oklahoma Project in a 33X33 mile area (over 1000 square miles) in Grady, Garvin, Stephens, and Carter counties. For 18 months every accessible location where a stream crossed a road was periodically sampled by Oklahoma Conservation Commission personnel using calibrated field meters for pH, TDS, and conductivity. In 337 of the 1810 water monitoring events water samples were also collected and sent to a lab for complete analysis of all anions and cations. This data was used to determine that 59 permanently flowing streams and smaller tributary creeks in the old oilfield areas evaluated had significantly elevated salinity levels. A Helicopter EM survey was also done in part of this area to determine groundwater impacts and surface water/groundwater interaction – see the Groundwater Quality section of this report for more detail.

D. The sampling results from all of the different surface water sampling projects, plus some limited data provided to Corp Comm by others (e.g. 44 samples collected by the University of Tulsa in oilfield areas for the Seminole Nation) are considered in making stream impairment/attainment decisions for the Integrated Report, including the 303(d) impaired stream listings (Category 5).

Corp Comm Oil & Gas is also involved with alternative measures to TMDLs for applicable waterbodies in Category 5. Examples of these include such measures as:

- the cleanup of a historic site that is leaking pollutants into ground and/or surface water causing impairment, or
- a finding of irreversible man-induced impacts in a waterbody, with recommendations for changes in the listed beneficial uses until impacts are reduced.

Assessment Methodology

The following methodologies, along with the procedures described in Figure 4 near the end of this section, shall be used to determine the attainment status of a waterbody's designated beneficial uses and its subsequent categorization in this Integrated Water Quality Report.

A waterbody that is listed on the State's current 303(d) list may only be placed in category 1,2, or 3 of the Integrated Report for "good cause" or if it is demonstrated that new data or information indicate that the waterbody is attaining its designated beneficial uses. "Good cause" shall mean that the State will provide a reasonable basis for the recommendation such as flaws in the original analysis that led to the water being listed; more recent or accurate data; more sophisticated water quality modeling; changes in conditions (e.g., new control equipment or elimination of discharges); or data is insufficient or non-existent to assess that all uses are met and the water should more appropriately be in Category 2 or 3.

Waterbodies in categories 2 & 3 will be prioritized in a manner similar to the category 5 waterbodies. A monitoring schedule will be included for categories 2 & 3 as part of the Integrated Report. Waterbodies included on the most recent 303(d) list will receive the highest priority for future monitoring.

Use Support Assessment Protocol

These procedures closely follow those set forth in the State's Use Support Assessment Protocol (USAP), which can be found in OAC 785:46-15. Where the USAP is silent, this listing methodology should be used. Where there are discrepancies between this methodology and the USAP, the USAP controls.

Beneficial Uses

The Listing Methodology is categorized into beneficial uses. Each beneficial use has a procedure for determining attainment of that use based on various kinds of biological, chemical, and historical data. The result of applying this methodology for any given beneficial use must be one of three choices: "attained", "not attained," and "not enough data to make a determination."

Some beneficial uses have procedures for several different types of data, all of which must be determinable – unless otherwise specified – in order to determine that the beneficial use is attained. Otherwise, the attainment decision must be designated "not enough data to make a determination."

Data Requirements

The data used to make a determination must meet various quantity, quality, spatial, and temporal requirements in order to satisfy the attainment procedures. The following general requirements apply unless otherwise specified in the use-specific procedures that follow. If neither an "attained" nor "not attained" determination can be made, then the overall determination for that beneficial use or subcategory shall be "not enough data to make a determination."

Spatial

- In general, stream sampling locations should take into consideration existing data, spatial distribution of monitoring sites, sources of pollution, and major hydrological features such as tributaries and dams.
- Non-wadable stream samples may represent a maximum of 25 stream miles.
- Wadable stream samples may represent a maximum of 10 stream miles.
- Lake samples may represent a maximum of 250 acres per sample. Arms or portions of lakes may be treated separately from the main body of a lake.
- Samples may not be taken within regulatory mixing zones.

Temporal

- Sampling must represent seasonal variation. Temporal bias should be avoided.
- Stream data older than five (5) years should not be used to make use attainment determinations unless insufficient data exists for the previous five (5) year period.

- Lake data older than ten (10) years should not be used to make use attainment determinations unless insufficient data exists for the previous ten (10) year period.

Quantity

- For streams, a minimum of ten (10) samples is required to determine use attainment for parameters such as DO, pH, temperature, coliform bacteria, dissolved solids, and salts.
- For lakes of more than 250 surface acres, a minimum of twenty (20) samples is required to determine use attainment for parameters such as DO, pH, temperature, coliform bacteria, chlorophyll a, and dissolved solids. For lakes of 250 surface acres or less, a minimum of ten (10) samples is required.
- For toxicants, a minimum of five (5) samples is required to determine use attainment.
- For any type of sample, if existing samples already assure a "not attained" determination, the minimum sample quantity requirement does not apply.

PQLs

Criteria above PQL

If sample values are below the PQL (Practical Quantitation Limit) for a parameter whose criterion is above the PQL, appropriate nonparametric statistical measures shall be used to determine the reporting value.

For waterbodies identified as impaired on the current Integrated Report, if sample values are nondetectable for a parameter whose criterion is above the PQL, then such value shall be deemed to be one-half (1/2) of the parameter PQL.

All sample values that are above the PQL shall be the reported values.

Criteria below PQL

If sample values are below the PQL for a criterion which is less than one-half (1/2) of the PQL, then the values shall be deemed to be zero (0) until the first test result above the PQL appears. After that time, sample values which are below the PQL shall be deemed to be equal to the criterion value until four (4) subsequent contiguous samples are shown to be below the PQL. Any subsequent sample values which are nondetectable may be treated as zero (0) until the next test result appears above the PQL.

For those parameters whose criteria are at least two (2) orders of magnitude below the PQL, evidence considered with respect to assessment of use support shall include fish tissue analysis, biological community analysis, biological thresholds wherever available, or other holistic indicators which are appropriate for the beneficial use in question.

If sample values are below the PQL for a criterion which is greater than or equal to one-half (1/2) of the PQL but less than the PQL, then the values shall be deemed to be one-half (1/2) of the criterion value until the first test result above the PQL appears. After that time, sample values which are below the PQL shall be deemed to be equal to the criterion value until four (4) subsequent contiguous samples are shown to be below the PQL. Any subsequent sample values which are nondetectable may be treated as equal to one-half (1/2) of the criterion value until the next test result appears above the PQL.

For waterbodies identified as impaired in the current Integrated Report, if sample values are nondetectable for a parameter whose criterion is below the PQL, then such value shall be deemed to be one-half (1/2) of the criterion value.

All sample values that are above the PQL shall be the reported values.

Magnitude of Exceedance

- For toxicants, if two or more samples exceed water quality criteria or screening levels by two orders of magnitude or more, the associated beneficial use is determined to be "not attained."

- For DO, if more than two samples in a stream are below 2 mg/L in a given year, the Fish & Wildlife Propagation beneficial use is determined to be "not attained."

Quality Assurance

Data collected for purposes of use support assessment shall be collected using documented programmatic quality assurance and quality control methods substantially in accordance with those required by "EPA Requirements for Quality Assurance Project Plans", EPA publication no. EPA/240/B-01/003 (March 2001).
The methods used shall include protections for sample integrity and the documentation of details on analysis methodologies.

Default Protocol

This method for determining beneficial use attainment should be used where another, more specific method is not provided.

Short Term Average Parameters

Short term average parameters are based on exposure periods of less than seven days, such as sample standards (agriculture beneficial use) and turbidity.

A beneficial use is considered *attained based on the default protocol for a given short term average parameter* if:

10% or fewer of the samples exceed the appropriate screening level or water quality criterion

or

the determination using the default protocol yields "fully supporting but threatened" and the threat will not yield a determination of other than fully supporting within two years of the determination.

A beneficial use is considered *not attained based on the default protocol for a given short term average parameter* if:

greater than 10% of the samples exceed the appropriate screening level or water quality criterion

or

the determination using the default protocol yields "fully supporting but threatened" and the threat will yield a determination of other than fully supporting within two years of the determination.

Long Term Average Parameters

Long term average parameters are based on exposure periods of seven days or longer, such as yearly mean standards (agriculture beneficial use) and fish consumption water column numerical criteria.

A beneficial use is considered *attained based on the default protocol for a given long term average parameter* if:

each 2-year rolling average of the sample results does not exceed the long term average criterion or screening level

or

the determination using the default protocol yields "fully supporting but threatened" and the threat will not yield a determination of other than fully supporting within two years of the determination.

A beneficial use is considered *not attained based on the default protocol for a given long term average parameter* if:

any 2-year rolling average of the sample results exceeds the long term average criterion or screening level

or

the determination using the default protocol yields "fully supporting but threatened" and the threat will yield a determination of other than fully supporting within two years of the determination.

Fish & Wildlife Propagation (F&WP)

The methodology for the Fish & Wildlife Propagation (F&WP) beneficial use consists of eight types of data, each with its own attainment methodology.

The F&WP beneficial use is considered *attained* if:

in the absence of biological data, all six *chemical* methodologies (DO, Toxicants, pH, Turbidity, Oil & Grease, and Toxicants Not Assessed & Not Likely to Occur or Violate Criteria) result in a determination of *attained*

or

*in the absence of adequate data for **all six** chemical data types*, the biological data methodology results in a determination of *attained*.

The F&WP beneficial use is considered *not attained* if ***any*** of the eight data type methodologies result in a determination of *not attained*.

Dissolved Oxygen (DO)

Streams

A minimum of ten (10) samples is required to make an attainment determination.

The F&WP beneficial use is considered *attained with respect to dissolved oxygen* if 10% or fewer of the samples from a waterbody have a DO concentration of less than:

- 3.0 mg/L (4.0 mg/L from April 1 – June 15) for habitat limited aquatic communities (HLAC)
- 5.0 mg/L (4.0 mg/L from June 16 – October 15) for warm water aquatic communities (WWAC)
- 6.0 mg/L (5.0 mg/L from June 1 – October 15) for trout fisheries and cool water aquatic communities (CWAC)

The F&WP beneficial use is considered *not attained with respect to dissolved oxygen* if more than 10% of the samples from a waterbody have DO concentrations less than those shown above or if more than 2 samples in a given year are below 2 mg/L.

Lakes

For lakes or arms of 250 acres or less, a minimum of ten (10) samples is required to make an attainment determination. For lakes or arms of greater than 250 acres, a minimum of twenty (20) samples is required.

The F&WP beneficial use is considered *attained with respect to dissolved oxygen* if:

more than 50% of the lake water column has a DO concentration of 2.0 mg/L or more

and

90% or more of the surface samples have a DO concentration of 5 mg/L (4.0 mg/L from June 16 – October 15) or more.

The F&WP beneficial use is considered *not attained with respect to dissolved oxygen* if:

50% or more of the lake water column has a DO concentration of less than 2.0 mg/L

or

10% or more of the surface samples have a DO concentration of less than 5 mg/L (4.0 mg/L from June 16 – October 15).

Toxicants

A minimum of five (5) samples is required to make an attainment determination.

The following screening values shall be used to make attainment decisions for toxicants:

- the acute and/or chronic criteria for a given toxicant, as described in Appendix G, Table 2 of the Oklahoma Water Quality Standards, OAC 785:45
- the chronic ammonia toxicity value shown in Table 13 corresponding to the stream pH and temperature at the time of sampling

For metals, preference shall be given to attainment decisions based on dissolved metals in accordance with the procedures specified in OAC 785:46-15-5(h).

ACUTE EFFECTS

The F&WP beneficial use is considered *attained with respect to an individual toxicant* if no more than one (1) of the samples have concentrations of a toxicant that exceed the acute criterion or screening value for that toxicant.

The F&WP beneficial use is considered not attained with respect to an individual toxicant if more than one (1) of the samples have concentrations of a toxicant that exceed the acute criterion or screening value for that toxicant.

CHRONIC EFFECTS

The F&WP beneficial use is considered *attained with respect to an individual toxicant* if:

not more than one (1) of the samples have concentrations of a toxicant that exceed the chronic criterion or screening value for that toxicant

or

not more than 10% of the samples have concentrations of a toxicant that exceed the chronic criterion or screening value for that toxicant

The F&WP beneficial use is considered *not attained with respect to an individual toxicant* if more than 10% of the samples have concentrations of a toxicant that exceed the chronic criterion or screening value.

TABLE 13. TEMPERATURE- AND PH-DEPENDENT SCREENING VALUES FOR AMMONIA

	Temperature (°C)									
pH	0	14	16	18	20	22	24	26	28	30
6.5	6.67	6.67	6.06	5.33	4.68	4.12	3.62	3.18	2.80	2.46
6.6	6.57	6.57	5.97	5.25	4.61	4.05	3.56	3.13	2.75	2.42
6.7	6.44	6.44	5.86	5.15	4.52	3.98	3.50	3.07	2.70	2.37
6.8	6.29	6.29	5.72	5.03	4.42	3.89	3.42	3.00	2.64	2.32
6.9	6.12	6.12	5.56	4.89	4.30	3.78	3.32	2.92	2.57	2.25
7.0	5.91	5.91	5.37	4.72	4.15	3.65	3.21	2.82	2.48	2.18

7.1	5.67	5.67	5.15	4.53	3.98	3.50	3.08	2.70	2.38	2.09
7.2	5.39	5.39	4.90	4.31	3.78	3.33	2.92	2.57	2.26	1.99
7.3	5.08	5.08	4.61	4.06	3.57	3.13	2.76	2.42	2.13	1.87
7.4	4.73	4.73	4.30	3.78	3.32	2.92	2.57	2.26	1.98	1.74
7.5	4.36	4.36	3.97	3.49	3.06	2.69	2.37	2.08	1.83	1.61
7.6	3.98	3.98	3.61	3.18	2.79	2.45	2.16	1.90	1.67	1.47
7.7	3.58	3.58	3.25	2.86	2.51	2.21	1.94	1.71	1.50	1.32
7.8	3.18	3.18	2.89	2.54	2.23	1.96	1.73	1.52	1.33	1.17
7.9	2.80	2.80	2.54	2.24	1.96	1.73	1.52	1.33	1.17	1.03
8.0	2.43	2.43	2.21	1.94	1.71	1.50	1.32	1.16	1.02	0.897
8.1	2.10	2.10	1.91	1.68	1.47	1.29	1.14	1.00	0.879	0.773
8.2	1.79	1.79	1.63	1.43	1.26	1.11	0.973	0.855	0.752	0.661
8.3	1.52	1.52	1.39	1.22	1.07	0.941	0.827	0.727	0.639	0.562
8.4	1.29	1.29	1.17	1.03	0.906	0.796	0.700	0.615	0.541	0.475
8.5	1.09	1.09	0.990	0.870	0.765	0.672	0.591	0.520	0.457	0.401
8.6	0.920	0.920	0.836	0.735	0.646	0.568	0.499	0.439	0.386	0.339
8.7	0.778	0.778	0.707	0.622	0.547	0.480	0.422	0.371	0.326	0.287
8.8	0.661	0.661	0.601	0.528	0.464	0.408	0.359	0.315	0.277	0.244
8.9	0.565	0.565	0.513	0.451	0.397	0.349	0.306	0.269	0.237	0.208
9.0	0.486	0.486	0.442	0.389	0.342	0.300	0.264	0.232	0.204	0.179

pH

A minimum of ten (10) samples is required to make an attainment determination.

The F&WP beneficial use is considered *attained with respect to pH* if 10% or fewer of the samples fall outside the screening range of 6.5 (minimum) and 9.0 (maximum).

The F&WP beneficial use is considered *not attained with respect to pH* if more than 10% of the samples fall outside the screening range of 6.5 (minimum) and 9.0 (maximum).

Biological Data

Biological criteria have been established for various ecoregions in Oklahoma under OAC 785:46-15-5. See Figure 3. These biocriteria should be referenced when making attainment determinations. OAC 785:46 Appendix C Index of Biological Integrity should be used for these ecoregions. This methodology is only applicable to wadable streams.

For waterbodies where no biological data is available, a resulting determination of "attained" with respect to all six chemical data type methodologies (DO, pH, Toxicants, Turbidity, Oil & Grease, and Toxicants Not Assessed & Not Likely to Occur or Violate Criteria) may serve to determine attainment of the F&WP beneficial use.

For waterbodies where *only* biological data is available, a determination of "*attained*" with respect to biological criteria may serve to determine attainment of the F&WP beneficial use.

The F&WP beneficial use is considered *attained with respect to biological criteria* if:

for streams in ecoregions where biological thresholds have been determined, a biological assessment yields an Index of Biotic Integrity (IBI) associated with "fully supported."

or

for streams outside of ecoregions where biological thresholds have been determined, fish and benthic invertebrate communities are at least 70% similar to communities found in regional reference conditions considering the beneficial use sub-category appropriate for the stream in question.

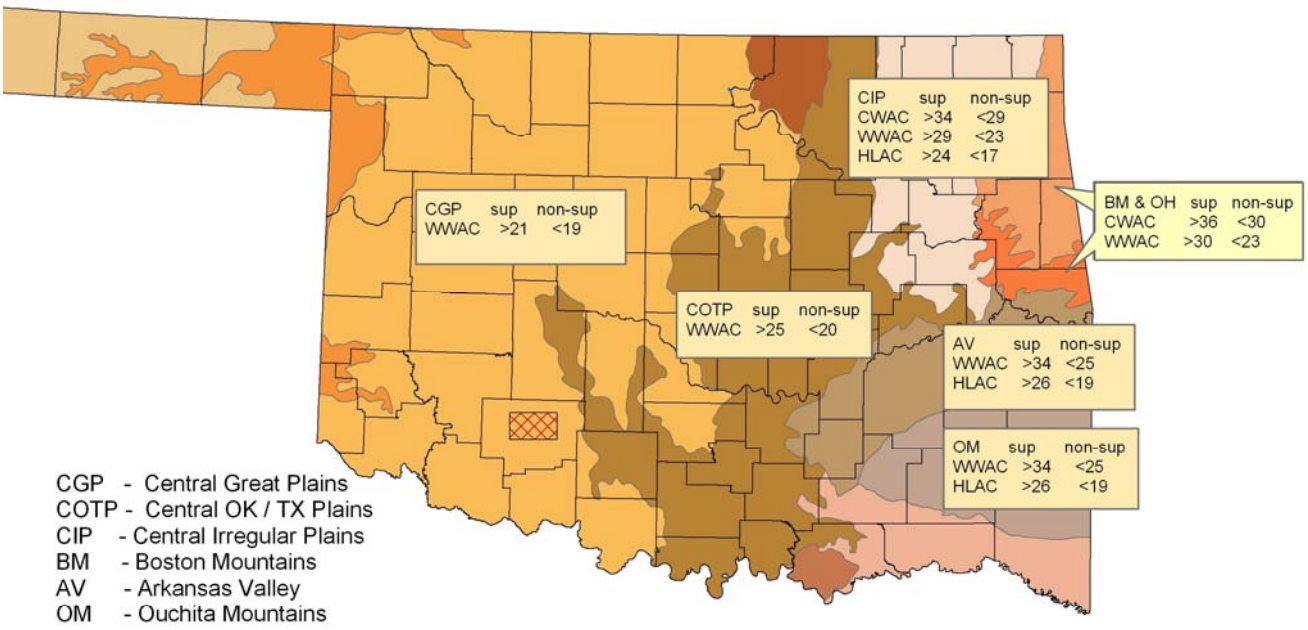
The F&WP beneficial use is considered *not attained with respect to biological criteria* if:

for streams in ecoregions where biological thresholds have been determined, a biological assessment yields an Index of Biotic Integrity (IBI) associated with "partially supported" or "not supported."

or

for streams outside of ecoregions where biological thresholds have been determined, fish and benthic invertebrate communities are less than 40% similar to communities found in regional reference conditions considering the beneficial use sub-category appropriate for the stream in question.

FIGURE 4. ECOREGIONS WHERE BIOCRITERIA HAVE BEEN ESTABLISHED



NOTE: criteria do not apply to crosshatched area

Ref: OAC 785:46-15-5(h) through (m)

Turbidity

A minimum of ten (10) samples collected under seasonal base flow conditions is required to make an attainment determination.

The following numerical criteria shall be used to make attainment decisions for turbidity:

- 10 Nephelometric Turbidity Units (NTUs) for cool water aquatic communities and trout fisheries
- 25 NTUs for lakes
- 50 NTUs for other surface waters

The F&WP beneficial use is considered *attained with respect to turbidity* if:

10% or fewer of the samples exceed the appropriate screening level or water quality criterion.

or

the numerical criteria yield a determination of "fully supporting but threatened" and the threat will not yield a determination of other than fully supporting within two years of the determination.

The F&WP beneficial use is considered *not attained with respect to turbidity* if:

Greater than 10% of the samples exceed the appropriate screening level or water quality criterion

or

the numerical criteria yield a determination of "fully supporting but threatened" and the threat will yield a determination of other than fully supporting within two years of the determination.

Oil & Grease

A minimum of ten (10) visual observations made over a period of at least ten (10) months is required to make an attainment determination.

Any of the following visual characteristics shall indicate the presence of oil or grease:

- a rainbow sheen that flows when stirred, rather than crackling
- a golden tan to dark brown coating or globules on the water or in stream sediment

The F&WP beneficial use is considered *attained with respect to oil & grease* if 10% or fewer observations reveal the presence of oil or grease.

The F&WP beneficial use is considered *not attained with respect to oil & grease* if more than 10% of the observations reveal the presence of oil or grease.

Sediment

The F&WP beneficial use is considered *attained with respect to sediment* if the use is also attained with respect to biological criteria.

If the biological data assessment results in a determination of "not attained," a habitat assessment must be conducted using the habitat assessment protocols found in OWRB Technical Report TRWQ2001-1, "Unified Protocols for Beneficial Use Assignment for Oklahoma Wadable Streams."

The results of the habitat assessment shall then be compared to either historical conditions or regional reference conditions in order to determine attainment with respect to sediment. The method for establishing reference conditions shall meet the following requirements:

- a minimum of five (5) reference streams or reaches shall be assessed
- the reference streams or reaches must be within the same ecoregion as the test stream
- the reference streams or reaches must be within streams with similar flow regimes no more than two (2) stream orders(as defined in 46:1-2) removed from the test stream
- the reference streams or reaches shall be selected from the least impacted streams within the ecoregion whose watersheds contain soils, vegetation, land uses, and topography typical of the watershed of the test stream.

The F&WP beneficial use is considered *not attained with respect to sediment* if any of the following habitat parameters deviate from the reference conditions by the specified amount:

Pool Bottom Substrate – the total percent of clay, silt, and loose sand in the test stream is increased by more than 30% over the reference condition

Cobble Embeddedness – cobble embeddedness is increased by 15% or more over the reference condition

Point Bars and/or Islands – reach length percentage containing fresh (non-vegetated) point bars and/or islands is 20 or more percentage points above that of the reference condition

Deep Pools – percentage of reach dominated by deep (0.5 meters or more) pools is less than 70% of that of the reference condition

If all of the habitat parameters identified above deviate from the reference conditions by less than the amounts specified, then the Fish and Wildlife Propagation beneficial use is not impaired due to suspended and bedded sediments.

Toxicants Not Assessed and Not Likely to Occur or Violate Criteria

The data required to assess every water quality criterion – specifically toxicants – associated with the F&WP use do not always exist for a particular waterbody. The following procedure may be used to determine attainment of the F&WP beneficial use with respect to toxicants that have not been assessed, but are not likely to occur or violate criteria.

The following three types of information must be available in order to apply this procedure:

1. The results of a review of watershed-specific landuse and historical data that yields patterns of use or nonuse of the toxicant(s) not assessed.

2. A result of either "attained" or "not enough information" for the Toxicants methodology.

3. A result of either "attained" or "not enough information" for the Biological Data methodology.

NOTE: The decision matrix below may be used to determine *attainment of the F&WP beneficial use with respect to the unassessed toxicants* ***only if*** the landuse and historical data review yields no indication that the unassessed toxicants are present or likely to impact the waterbody in question.

TABLE 14. DECISION MATRIX FOR TOXICANTS NOT ASSESSED OR LIKELY TO OCCUR OR VIOLATE F&WP CRITERIA

		Biological Data	
		Attained	Not Enough Information
Toxicants	Attained	F&WP ***Attained*** With Respect To Unassessed Toxicants	F&WP ***Attained*** With Respect To Unassessed Toxicants
	Not Enough Information	F&WP ***Attained*** With Respect To Unassessed Toxicants	***Not Enough Information*** to Determine F&WP Attainment With Respect to Unassessed Toxicants

Primary Body Contact Recreation (PBCR)

A minimum of ten (10) samples is required to make an attainment determination. Samples must be taken during the recreation period of May 1 – September 30.

Geometric means will be calculated using all data meeting the temporal data requirements. The geometric means will be compared to the appropriate screening value.

Fecal Coliform

The PBCR beneficial use is considered *attained with respect to fecal coliform* if:

the geometric mean of the samples does not exceed 400 colonies/100 mL

and

25% or fewer of the individual samples exceed 400 colonies/100 mL

The PBCR beneficial use is considered *not attained with respect to fecal coliform* if:

the geometric mean of the samples exceeds 400 colonies/100 mL

or

more than 25% of the individual samples exceed 400 colonies/100 mL

Escherichia coli (E. coli)

The PBCR beneficial use is considered *attained with respect to E. coli* if:

the geometric mean of the samples does not exceed 126 colonies/100 mL

or

no sample exceeds 406 colonies/100 mL (235 colonies/100 mL for Scenic Rivers and lakes)

The PBCR beneficial use is considered *not attained with respect to E. coli* if:

the geometric mean of the samples exceeds 126 colonies/100 mL

and

any sample exceeds 406 colonies/100 mL (235 colonies/100 mL for Scenic Rivers and lakes)

Enterococci

The PBCR beneficial use is considered *attained with respect to Enterococci* if:

the geometric mean of the samples does not exceed 33 colonies/100 mL

or

no sample exceeds 406 colonies/100 mL (61 colonies/100 mL for Scenic Rivers and lakes

The PBCR beneficial use is considered *not attained with respect to Enterococci* if:

the geometric mean of the samples exceeds 33 colonies/100 mL

and

any sample exceeds 406 colonies/100 mL (61 colonies/100 mL for Scenic Rivers and lakes)

Secondary Body Contact

Attainment for the SBCR beneficial use is identical to the PBCR attainment methodology, but using five times (5x) the PBCR numerical criteria and screening levels.

Public and Private Water Supply (PPWS)

In order to determine attainment of the PPWS beneficial use, samples must be taken at the point of a drinking water intake.

Toxicants

A minimum of ten (10) samples is required to make an attainment determination.

The PPWS beneficial use is considered *attained with respect to any individual toxicant* for which there is a water quality criterion established if:

10% or fewer of the samples have concentrations of a toxicant that exceed the criterion for that toxicant

and

no drinking water use restrictions related to source water contamination are in effect

The PPWS beneficial use is considered *not attained with respect to any individual toxicant* for which there is a water quality criterion established if:

more than 10% of the samples have concentrations of a toxicant that exceed the criterion for that toxicant

or

a drinking water use restriction related to source water contamination is in effect

Total Coliform

A minimum of ten (10) samples is required to make an attainment determination.

The following numerical criterion shall be used to make attainment decisions for bacteria:

- 5000 colonies/100 mL

The PPWS beneficial use is considered *attained with respect to bacteria* if:

the numerical criterion yields a determination of "fully supporting" using the default protocol

or

the numerical criterion yields a determination of "fully supporting but threatened" using the default protocol if the threat will not yield a determination of other than fully supporting within two years of the determination

or

the Primary Body Contact Recreation use is attained.

The PPWS beneficial use is considered *not attained with respect to bacteria* if:

the numerical criterion yields a determination of "not supporting" using the default protocol

or

the numerical criterion yields a determination of "fully supporting but threatened" using the default protocol ***if*** the threat will yield a determination of other than fully supporting within two years of the determination.

Oil & Grease

A minimum of ten (10) visual observations made over a period of at least ten (10) months is required to make an attainment determination.

Any of the following visual characteristics shall indicate the presence of oil or grease:

- a rainbow sheen that flows when stirred, rather than crackling
- a golden tan to dark brown coating or globules on the water or in stream sediment

The PPWS beneficial use is considered *attained with respect to oil & grease* if 10% or fewer observations reveal the presence of oil or grease.

The PPWS beneficial use is considered *not attained with respect to oil & grease* if more than 10% of the observations reveal the presence of oil or grease.

Parameters Not Assessed and Not Likely to Occur or Violate Criteria

The data required to assess every water quality criterion associated with PPWS does not always exist for a particular waterbody. In those cases, the following procedure should be followed in order to make an attainment decision.

For parameters not assessed or which are not likely to occur or violate criteria, attainment decisions should be made based on two kinds of information:

1. the results of analysis of chemical-specific parameters routinely monitored by the State's Beneficial Use Monitoring Program (BUMP) as compared to state criteria associated with PPWS
2. the results of a review of watershed-specific landuse and historical data that yields patterns of use for the pollutant in question

The PPWS beneficial use is considered *attained with respect to unassessed parameters* if:

the waterbody is attaining the PPWS use for BUMP parameters according to the Toxicants section of this listing methodology

and

no suspicion of the presence of the unassessed parameters exists based on landuse and historical data review

Chlorophyll-a and Phosphorus

Certain water supplies have specific criteria for chlorophyll-a and/or total phosphorus as specified in OAC 785:45-5-10(7) and (8). Attainment of these criteria will be evaluated using the specified criteria and the long-term average default protocol.

Emergency Water Supply (EWS)

All waterbodies designated with the Emergency Water Supply beneficial use shall be deemed to be attaining the beneficial use for all water quality related issues.

Agriculture

Total dissolved solids (TDS)

A minimum of ten (10) samples is required to make an attainment determination.

The Agriculture beneficial use is considered *attained with respect to TDS* if:

no TDS sample exceeds 700 mg/l

or

the mean of all TDS samples does not exceed the yearly mean standard (YMS) for TDS as listed in the Oklahoma Water Quality Standards (OAC 785:45 Appendix F) or site-specific/watershed-specific criteria

and

10% or fewer TDS samples exceed the sample standard (SS) for TDS as listed in the Oklahoma Water Quality Standards (OAC 785:45 Appendix F) or site-specific/watershed-specific criteria.

The Agriculture beneficial use is considered *not attained with respect to TDS* if:

At least one TDS sample exceeds 700 mg/l

and

more than 10% of the samples exceed the sample standard (SS) for TDS as listed in the Oklahoma Water Quality Standards (OAC 785:45 Appendix F) or site-specific/watershed-specific criteria

or

the mean of all samples exceeds the yearly mean standard (YMS) for TDS as listed in the Oklahoma Water Quality Standards (OAC 785:45 Appendix F) or site-specific/watershed-specific criteria.

Chlorides

A minimum of ten (10) samples is required to make an attainment determination.

The Agriculture beneficial use is considered *attained with respect to chlorides* if:

no chloride sample exceeds 250 mg/l

or

the mean of all samples does not exceed the yearly mean standard (YMS) for chlorides as listed in the Oklahoma Water Quality Standards (OAC 785:45 Appendix F) or site-specific/watershed-specific criteria

and

10% or fewer samples exceed the sample standard (SS) for chlorides as listed in the Oklahoma Water Quality Standards (OAC 785:45 Appendix F) or site-specific/watershed-specific criteria.

The Agriculture beneficial use is considered *not attained with respect to chlorides* if:

At least one chloride sample exceeds 250 mg/l

and

more than 10% of the samples exceed the sample standard (SS) for chlorides as listed in the Oklahoma Water Quality Standards (OAC 785:45 Appendix F) or site-specific/watershed-specific criteria

or

the mean of all samples exceeds the yearly mean standard (YMS) for chlorides as listed in the Oklahoma Water Quality Standards (OAC 785:45 Appendix F) or site-specific/watershed-specific criteria.

Sulfates

A minimum of ten (10) samples is required to make an attainment determination.

The Agriculture beneficial use is considered *attained with respect to sulfates* if:

no sulfate sample exceeds 250 mg/l

or

the mean of all samples does not exceed the yearly mean standard (YMS) for sulfates as listed in the Oklahoma Water Quality Standards (OAC 785:45 Appendix F) or site-specific/watershed-specific criteria

and

10% or fewer samples exceed the sample standard (SS) for sulfates as listed in the Oklahoma Water Quality Standards (OAC 785:45 Appendix F) or site-specific/watershed-specific criteria.

The Agriculture beneficial use is considered *not attained with respect to sulfates* if:

At least one sulfate sample exceeds 250 mg/l

and

more than 10% of the samples exceed the sample standard (SS) for sulfates as listed in the Oklahoma Water Quality Standards (OAC 785:45 Appendix F) or site-specific/watershed-specific criteria

or

the mean of all samples exceeds the yearly mean standard (YMS) for sulfates as listed in the Oklahoma Water Quality Standards (OAC 785:45 Appendix F) or site-specific/watershed-specific criteria.

Navigation

All waterbodies designated with the Navigation beneficial use shall be deemed to be attaining the beneficial use for all water quality related issues.

Aesthetics

Nutrients

The Aesthetics beneficial use is considered *attained with respect to nutrients* if a nutrient impairment study yields a result of "fully supporting."

The Aesthetics beneficial use is considered *not attained with respect to nutrients* if a nutrient impairment study yields a result of "impaired."

Only a nutrient impairment study may be used to make a determination of *not attained* for aesthetics with respect to nutrients.

Wadable Streams

The aesthetics beneficial use for wadable streams is considered *attained with respect to nutrients* if application of the dichotomous process or application of the alternative to dichotomous process specified in OAC 785:46-15-10 yields a result of "not threatened."

Lakes and Nonwadable Streams

The aesthetics beneficial use for lakes and nonwadable streams is considered *attained with respect to nutrients* if planktonic chlorophyll-a values in the water column indicate a Carlson's Trophic State Index of less than 62.

Phosphorus

The phosphorus water quality standard applies to waters designated as a Scenic River.

A minimum of ten (10) samples is required to make an attainment determination. Samples must meet the data requirements of OAC 785:46-15-10(h)(2).

Attainment decisions will be made using the procedure specified in OAC 785:46-15-10(h).

Oil & Grease

A minimum of ten (10) visual observations made over a period of at least ten (10) months is required to make an attainment determination.

Any of the following visual characteristics shall indicate the presence of oil or grease:

- a rainbow sheen that flows when stirred, rather than crackling
- a golden tan to dark brown coating or globules on the water or in stream sediment

The aesthetics beneficial use is considered *attained with respect to oil & grease* if 10% or fewer observations reveal the presence of oil or grease.

The aesthetics beneficial use is considered *not attained with respect to oil & grease* if more than 10% of the observations reveal the presence of oil or grease.

Fish Consumption

The Fish Consumption beneficial use is considered *attained* if:

the numerical criteria for fish consumption in the Oklahoma Water Quality Standards [OAC 785:45-5-20(b)] yields a determination of "fully supporting" using the default protocol for long-term average numerical parameters

or

the numerical criteria for fish consumption in the Oklahoma Water Quality Standards [OAC 785:45-5-20(b)] yields a determination of "fully supporting but threatened" using the default protocol for long-term average numerical parameters if the threat will not yield a determination of other than fully supporting within two years of the determination.

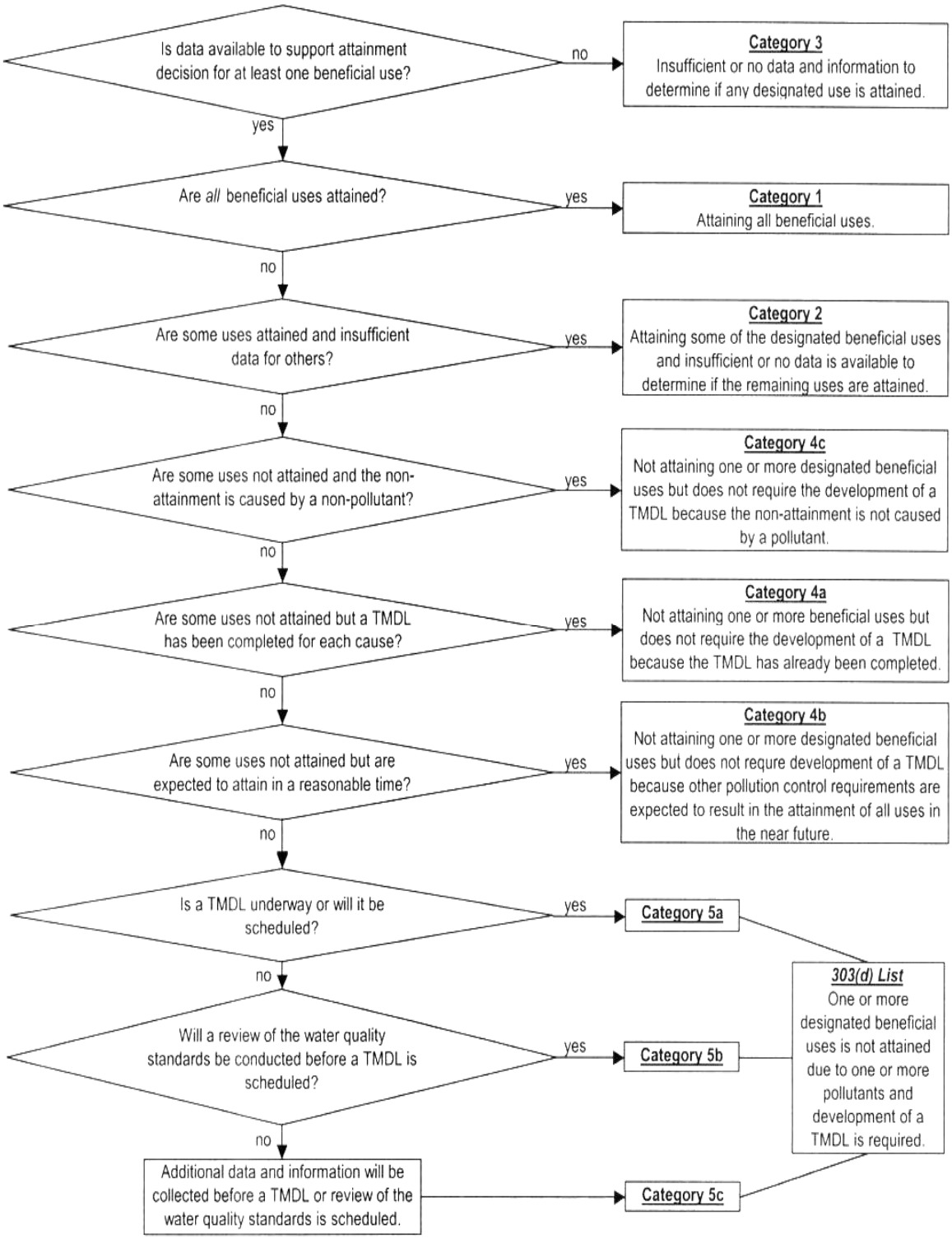
The Fish Consumption beneficial use is considered *not attained* if any of the following conditions apply:

- The numerical criteria for fish consumption in the Oklahoma Water Quality Standards [OAC 785:45-5-20(B)] yields a determination of "not supporting" or "partially supporting" using the default protocol for long-term average numerical parameters.
- a site-specific consumption restriction is imposed
- a site-specific fish or shellfish ban is in effect for a sub-population thereof
- a site-specific aquatic life closure is in effect
- a site-specific "no consumption" advisory is in effect

Category Decision Methodology

The Integrated Water Quality Report contains five categories that describe different levels of beneficial use attainment in each of the State's waters. Each waterbody should be assessed for attainment of each of its individual designated beneficial uses using the methodology outlined above. Following that assessment, the decision tree in Figure 4 below should be used to assign each waterbody to an appropriate category.

FIGURE 5. INTEGRATED REPORT CATEGORY DECISION TREE



Causes of Non-Attainment

The previous methodology outlines the procedures for determining attainment of each designated beneficial use assigned to a waterbody. Causes of non-attainment must also be included in the State's Integrated Water Quality Assessment Report.

The causes and cause codes shown in Table 15 should be applied where applicable to each waterbody upon making a determination of non-attainment for any given designated beneficial use or subcategory of that use. Additional cause codes may be added to the State's Integrated Report in order to provide for numerical criteria in the State's Water Quality Standards not already represented with a cause code.

Sources of Non-Attainment

Sources are the activities, facilities, or conditions that contribute pollutants or stressors resulting in impairment of designated uses in a waterbody.

Determining the sources of designated use impairment can be a difficult process. Ambient monitoring data can give good evidence of the causes of impairment. In some cases, field observations can provide information on obvious, nearby problems; e.g., land use, substrate, and habitat may provide a basis for identifying sources. This is especially the case for "hydromodification" sources.

In most cases, additional information is needed – watershed land use inventories, records of permit compliance, locations of areas with highly erodible soils, areas with poor BMP (best management practice) implementation, measurements of in-place contaminants, or loadings from atmospheric transport or ground water.

For some waterbodies, potential non-point sources have been assigned to a cause using GIS data. Initially, an extensive list of potential sources for each cause is compiled. Geographical information such as the location of permitted activities (e.g., NPDES sources, CAFOs, oil & gas wells) and land use information (e.g., roads, pastures, cropland, municipal boundaries) is then compared to each watershed. Subsequently, potential sources not indicated by the geographic data are removed from the list of potential sources for a watershed. Potential sources not eliminated by the geographic information remain on the list as a potential source of impairment for waterbodies in the watershed.

This method of assigning potential sources has not been applied to all waterbodies and/or causes on the 2008 303(d) list. The intent is to use this methodology to assign potential sources to all 303(d) waterbodies for subsequent 303(d) lists.

A partial list of potential sources is shown in Table 16. Other source codes may be added as the need arises.

TABLE 15. CAUSE CODES

Cause	Cause Code
Ammonia (Unionized) - Toxin	91
Arsenic	96
Barium	104
Cadmium	127
Chloride	138
Chlorophyll-α	120
Chlorpyrifos	153
Chromium (total)	154
Color	160
Copper	163
DDT	214
Diazinon	187
Dieldrin	198
Enterococcus	215
Escherichia coli	217
Fishes Bioassessments (Streams)	230
Lead	267
Nitrates	302
Oil and Grease	317
Oxygen, Dissolved	322
Selenium	372
Sedimentation/Siltation	371
Silver	375
Sulfates	385
Total Coliform	398
Total Dissolved Solids	399
Toxaphene	496
Fecal Coliform	400
Turbidity	413
Zinc	423
pH	441
Phosphorus (Total)	462

TABLE 16. SOURCE CODES

Potential Source	Source Code
Acid Mine Drainage	2
Agriculture	156
Animal Feeding Operations (NPS)	4
Atmospheric Deposition – Acidity	8
CERCLA NPL (Superfund) Sites	16
Clean Sediments	21
Discharges from Biosolids (SLUDGE) Storage, Application or Disposal	33
Discharges from Municipal Separate Storm Sewer Systems (MS4)	34
Dredging (E.g. for Navigation Channels)	38
Grazing in Riparian or Shoreline Zones	46
Highway/Road/Bridge Runoff (Non-construction related)	49
Impacts from Land Application of Wastes	59
Impacts from Abandoned Mine Lands (Inactive)	56
Industrial Point Source Discharge	62
Land Application of Wastewater Biosolids (Non-agricultural)	68
Landfills	69
Leaking Underground Storage Tanks	70
Mine Tailings	82
Municipal (Urbanized High Density Area)	84
Municipal Point Source Discharges	85
Natural Sources	155
Non-irrigated Crop Production	87
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)	92
Other Spill Related Impacts	97
Permitted Runoff from Confined Animal Feeding Operations (CAFOs)[1]	100
Petroleum/Natural Gas Production Activities (Legacy)	102
Rangeland Grazing	108
Releases from Waste Sites or Dumps	110
Residential Districts	111
Silviculture Harvesting	119
Spills from Trucks or Trains	124
Surface Mining	127
Source Unknown	140
Sources Outside State Jurisdiction or Borders	146
Total Retention Domestic Sewage Lagoons	128
Wastes from Pets	133
Wildlife Other than Waterfowl	136

TABLE 17. USEFUL INFORMATION IN DETERMINING SOURCES OF BENEFICIAL USE NON-ATTAINMENT

Source Category	Example Types of Information
Industrial Point Sources	Permit compliance records • analysis of DMRs • compliance monitoring or special monitoring in permits • WET or TIE bioassay tests Monitoring/modeling studies • upstream/downstream chemical, biological, and habitat monitoring • intensive surveys combined with WLA/TMDL modeling • complaint investigations • data from volunteer monitoring
Municipal Point Sources	Permit compliance records • analysis of routine DMRs • compliance monitoring or special monitoring in permits • WET or TIE toxicity bioassay tests Monitoring/modeling studies • upstream/downstream chemical, biological, and habitat monitoring • intensive surveys combined with WLA/TMDL modeling • complaint investigations • data from volunteer monitoring
Combined Sewer Overflows (CSOs)	Permit compliance records • records of nonachievement of targets for frequency of wet weather overflows • implementation of other minimum control and pollution prevention methods (as in EPA CSO Control Policy) Monitoring/modeling studies • upstream/downstream chemical, biological, or physical monitoring comparing wet weather and normal flow conditions • intensive surveys combined with WLA/TMDL modeling • complaint investigations
Agricultural Point Sources (e.g., CAFOs)	Permit compliance records • observation of overflows from total retention (non-discharge) facilities • compliance with provisions for off-site disposal of animal wastes (e.g., land application, composting) Monitoring studies • upstream/downstream chemical, biological, or physical monitoring (especially for nutrients and pathogens) • complaint investigations

Source Category	Example Types of Information
Agriculture (NPS)	Information from monitoring and field observations (e.g., to document bad actors) • edge of field monitoring of runoff from animal holding areas, cropped areas, or pastures • monitoring of inputs from irrigation return flows, sub-surface drains, or drainage ditches • proper installation of screens or other measures to avoid fish losses in drainage/irrigation ditches • serious rill or gully erosion in agricultural fields • sedimentation problems in agricultural watersheds • indications of unmanaged livestock in streamside management zones • complaint investigations or data from volunteer monitoring or inventories Records on watershed BMP implementation status • documented low implementation level (e.g., less than a 70% target) of recommended water quality BMPs • documented problems with specific agricultural operators Modeling • use of such models as AGNPS, SWAT or ANSWERS to estimate pollutant loads and improvement from BMP implementation • intensive surveys combined with WLA/TMDL modeling
Silviculture (NPS)	Monitoring and field observations documenting instances of high sediment delivery to receiving waters • BMPs not followed on logging road, skid paths, or stream crossings • BMPs not followed t o protect streamside management zones • serious sedimentation problems (cobble embeddedness or interstitial D.O. problems) in watersheds that are largely silvicultural Records on watershed BMP/management measure) • implementation status • documented low implementation level of recommended water quality-oriented BMPs Results of modeling or cumulative effects analyses • use of such models as WRENSS to estimate pollutant loads and likely improvement from BMP implementation • use of water temperature models t o help quantify impacts on cold water fisheries • use of landscape analysis techniques (e.g., the RAPID method or Integrated Riparian Area Evaluation method) to document cumulative effects • intensive surveys combined with WLA/ TMDL modeling
Construction	Information from monitoring and field observations (primarily to document problem areas or bad actors) • sedimentation problems documented in watersheds with major construction activity • complaint investigations and volunteer monitoring data Information from sediment control management agencies • records of implementation of sediment control measures

Source Category	Example Types of Information
Urban Runoff & Storm Sewers	Monitoring/modeling studies • upstream/downstream chemical, biological, or habitat monitoring comparing wet weather and normal flow conditions near outfalls • special monitoring for BMP effectiveness-wet ponds, artificial wetlands, grass swales • intensive surveys combined with WLA/ TMDL modeling and catchment models such as SWMM • complaint investigations Information from management agencies • documented low implementation level of recommended/required water quality-oriented BMPs • documented problems with BMP operation and maintenance information from monitoring and field observations (primarily to document problem areas or bad actors)
Resource Extraction (Petroleum)	Information from monitoring and field observations (primarily to document problem areas or bad actors) • evidence of oil and brine spills affecting areas near receiving waters; elevated TDS, toxicity, oil and grease aesthetic impacts; increased erosion and sedimentation problems • complaint investigations and volunteer monitoring data Information from petroleum management agencies monitoring data in streams, shallow wells, and springs in oilfield areas • records of problems with spills, pipeline breaks, over-topping of pit berms, land application violations
Resource Extraction (mainly surface mining)	Information from monitoring and field observations (primarily to document problem areas or bad actors) • evidence of decreases in pH, toxicity from heavy metals, excessive sedimentation, or stream reaches with iron bacteria in watersheds with active mining • complaint investigations and volunteer monitoring data Information from mining management agencies • records of recurrent permit violations (e.g., over-berming of settling ponds, failure to contain leachates, or failure to revegetate or restore mined areas)
Land Disposal	Monitoring and field observations (primarily to document problem areas or bad actors) • monitoring indicates leachate migration from disposal area or industrial or domestic leach field failures • complaint investigations and volunteer monitoring Modeling • solute transport or plume models (e.g., PRIZM) indicate high potential for pollutants to reach receiving water

Source Category	Example Types of Information
Hydromodification (dams, flow regulation)	Monitoring and field observations • recurring problems with inadequate instream flows (e.g., dewatering of streams, reduced pollutant assimilation, unnatural water temperatures) • documented interference with fish migration and spawning movements (e.g., for such anadromous fish as salmon or rockfish but also for inland fish that seek spawning habitat outside lakes or large rivers) Modeling • analysis using PHABSIM or other instream flow models to document adverse impacts • analysis related t o FERC permit renewal and State 401 Certification, habitat recovery plans under the ESA, or TMDL studies (e.g., problems with anoxic or nutrient-laden releases from hydrostructures)
Hydromodification (channelization, dredging, removal of riparian vegetation, streambank modification, draining/filling of wetlands)	Monitoring (usually over considerable period of time) documenting adverse changes: • severe channel downcutting or widening • elimination of vegetation in streamside management zones • excessive streambank erosion and sloughing • loss of significant wetland area in watershed • failure of wetland mitigation projects Modeling studies • decreases in pollutant assimilation from habitat modification • adverse impacts on hydrology, water temperatures, or habitat
Natural	Monitoring and field observations of the presence of sources that are clearly not anthropogenic • saline water due to natural mineral salt deposits • low DO or pH caused by poor aeration and natural organic materials • excessive siltation due to glacial deposits • high temperatures due to low flow conditions or drought Note: the Natural Sources category should be reserved for waterbodies impaired due to naturally occurring conditions

Prioritization of TMDL Development & Future Monitoring

After the final determination of beneficial use attainment is made, a four-level priority ranking for TMDL development will be established including waters targeted for TMDL development within the next two years (Priority 1). In accordance with EPA guidelines, priority determinations will take into account the severity of the impairments and the designated uses of the waters impacted. Waters in Category 5 (the State's 303(d) list) will be aggregated and prioritized according to their eleven digit hydrologic unit code (HUC11) watershed. The prioritization process will closely follow that used to develop the Unified Watershed Assessment except where changes are necessary due to programmatic and logistical differences between the two programs. Primary and secondary criteria were developed to evaluate and prioritize watersheds for TMDL development. The primary evaluation criteria used were the vulnerability of waters to degradation, the risks to public health and the threat to aquatic life.

A watershed's vulnerability for degradation was evaluated by first calculating the percentage of impaired waters for each HUC11 watershed based on the stream miles or equivalent stream miles (for lakes) listed as impaired divided by the total equivalent stream miles within the watershed. A Pollutant Priority Score was also developed and used based on a pairwise comparison matrix rank of all pollutant(s) and then calculating the mean of the values for those pollutants causing impairments within each watershed. The presence of protected waters or EQIP local emphasis areas were also used to evaluate watershed vulnerability.
The threat to public health was also considered in the prioritization by evaluating both the population served by Public Water Supplies (PWS) and number of PWS intakes in the watershed. In both cases the more population served and the higher the number of intakes the more weight given to the risks to public health.

In assessing of the threats to aquatic life within a watershed consideration was given to the presence of threatened or endangered species along with the area of waters of recreational and/or ecological significance listed in Appendix B of the Oklahoma Water Quality Standards. Calculating the percent change in wetland area for each HUC11 watershed along with the presence of priority wetlands designated by the United States Fish and Wildlife Service were also used to evaluate the threats to aquatic life.

The outline below summarizes both the primary and secondary criteria used to establish the TMDL priority for each HUC11 watershed.

1) **Vulnerability of waterbodies to degradation**
    a) Percent Stream Length/Lake Area Impaired
    b) Pollutant Priority Score (Pairwise pollutant comparison rating)
    c) Pristine Waters
        i) Scenic Rivers
        ii) Outstanding Resource Waters
        iii) High Quality Waters
        iv) Sensitive Water Supplies
    d) EQIP Local Emphasis Area
2) **Risks to public health**
    a) Public Water Supply Customers
    b) Public Water Supply Intakes
3) **Threat to aquatic life and other water-dependent wildlife**
    a) Presence of threatened and endangered species.
    b) Area of Waters of Recreational and/or Ecological Significance (Appendix B)
    c) Wetland Area
        i) Presence of USFWS Priority Wetlands
        ii) Change in Wetland Area

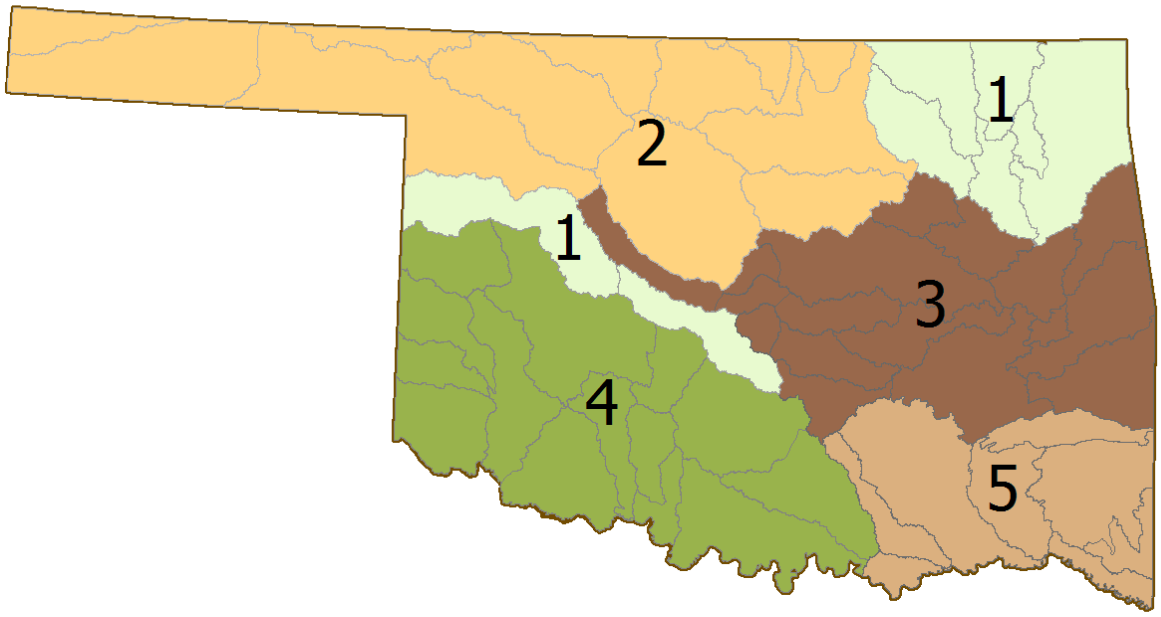
The priority ranking was established by giving each of the criteria above a ranking/points based on its overall importance. The criteria rankings or points were then totaled to give an overall score for each watershed. Table 16 below contains a more detailed summary of the actual weight given to each criterion.

TABLE 18. TMDL PRIORITIZATION-POINT RANKING

Points	Total Percent Impaired	Pollutant Priority Score	Wetland Percent Change	USFWS T&E Species	USFWS Wetland Priority	EQIP Local Emphasis Area	Highest Designated Protected Waterbody	Percent Appendix B Areas	PWS Intakes in HUC	PWS Customers Served
15	85	> 75th Quartile	>20%	≥ 3			Scenic R or ORW		≥ 4	≥ 100,000
10	65	Median to 75th Quartile	>10% to 20%	2			HQW		3	99,999 to 10,000
5	45	25th Quartile to Median	>5 to 10%	1	Yes	Yes	SWS	Upper 50th Percentile	2	9,999 to 1,000
3	25	< 25th Quartile	1 to 5%					Lower 50th Percentile	1	999 to 1
0	0	No Impairments	Gain or <1%		No	No		None	0	0

Where practicable, the State's Rotating Basin plan (Figure 5) will be used to schedule data collection projects in Category 2 & 3 waterbodies.

FIGURE 6. ROTATING BASIN PLAN WATERSHEDS BY YEAR



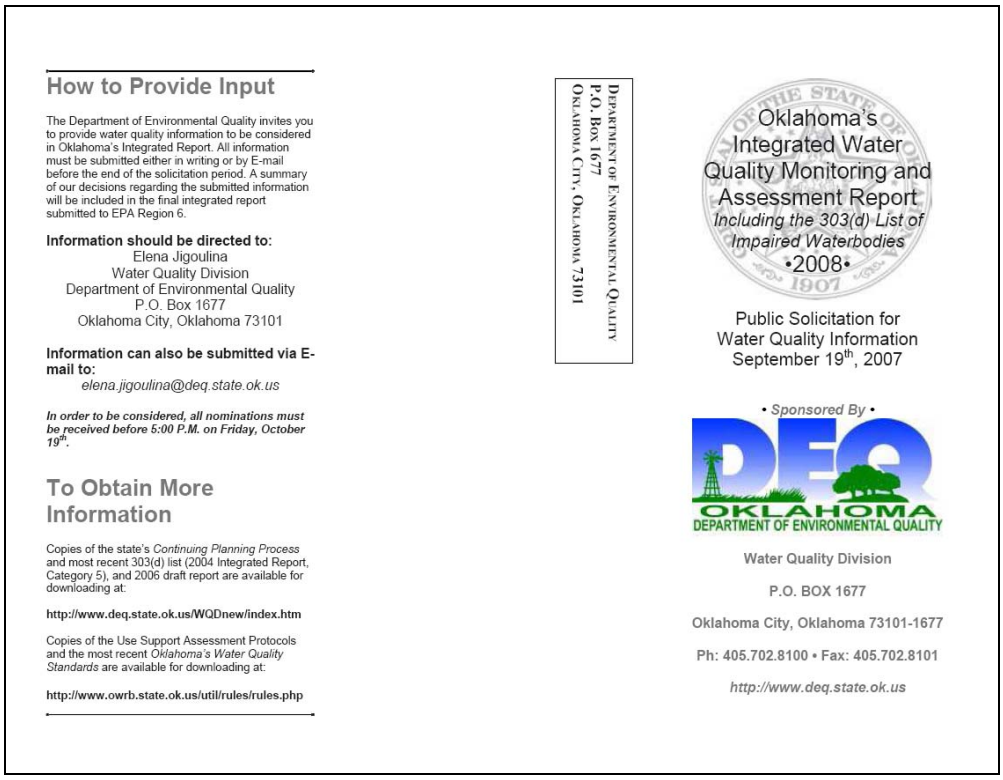
Coordination, Review, And Approval

The DEQ has coordinated the development and submittal of the Integrated Water Quality Report. The process began with a notice and request for input sent to EPA Region 6, state environmental agencies, and Tribal environmental offices. A series of interagency meetings were conducted to review the listing methodology, review and discuss the draft list along with priority rankings and scheduling, and facilitate the exchange of information. The draft list will be circulated to EPA Region 6 and state environmental agencies for comment prior to release for public participation.

Public participation will be undertaken in two phases. When the process to identify candidate waters began, nominations from the public were solicited. This involved distribution of the mailout shown in Figure 7 in September, 2007. Once the final draft list is compiled, it shall be submitted for formal public review with notice and a 30-day comment period. Upon the close of the comment period, a responsiveness summary will be prepared. DEQ will coordinate public participation activities. After the public review period and finalization of the list, it will be formally submitted to EPA Region 6 for review and approval.

FIGURE 7. MAILOUT REQUEST FOR PUBLIC INPUT

Front



How to Provide Input

The Department of Environmental Quality invites you to provide water quality information to be considered in Oklahoma's Integrated Report. All information must be submitted either in writing or by E-mail before the end of the solicitation period. A summary of our decisions regarding the submitted information will be included in the final integrated report submitted to EPA Region 6.

Information should be directed to:
Elena Jigoulina
Water Quality Division
Department of Environmental Quality
P.O. Box 1677
Oklahoma City, Oklahoma 73101

Information can also be submitted via E-mail to:
elena.jigoulina@deq.state.ok.us

In order to be considered, all nominations must be received before 5:00 P.M. on Friday, October 19th.

To Obtain More Information

Copies of the state's *Continuing Planning Process* and most recent 303(d) list (2004 Integrated Report, Category 5), and 2006 draft report are available for downloading at:

http://www.deq.state.ok.us/WQDnew/index.htm

Copies of the Use Support Assessment Protocols and the most recent *Oklahoma's Water Quality Standards* are available for downloading at:

http://www.owrb.state.ok.us/util/rules/rules.php

DEPARTMENT OF ENVIRONMENTAL QUALITY
P.O. Box 1677
OKLAHOMA CITY, OKLAHOMA 73101

Oklahoma's Integrated Water Quality Monitoring and Assessment Report
Including the 303(d) List of Impaired Waterbodies
•2008•

Public Solicitation for Water Quality Information
September 19th, 2007

• *Sponsored By* •

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

Water Quality Division

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Back

BACKGROUND

The State of Oklahoma is in the process of developing the 2008 Integrated Water Quality Monitoring and Assessment Report. The Integrated Report will include the 303(d) list. This list is used to establish priorities for water quality improvement measures, including development of total maximum daily loads (TMDLs) which are water quality planning documents that establish specific goals for water quality conditions.

This solicitation notice serves as a means of gaining information about water quality from the public. Once the final draft report is compiled, a formal public review and 30-day comment period, culminating with a formal public meeting, will complete the second phase of public participation.

According to section 303(d)(1) of the Clean Water Act, states are to identify waters that do not meet water quality standards, even after technology-based controls required by the Act, and any other controls required by state or local authority, are in place. These waters are called "water quality-limited" and may require the development of a TMDL in order to establish additional controls or management measures necessary to achieve water quality standards.

Federal regulations governing the 303(d) listing process and TMDL development are found at 40 CFR Part 130. The US Environmental Protection Agency (EPA) provided guidance to the states for developing Integrated Reports (USEPA, 2006). The EPA emphasized that the Integrated Report guidance does not alter the statutory provisions in sections 305b and 303d of the Federal Clean Water Act, nor does it change existing rules governing development of Impaired Waterbodies Lists discussed above.

Oklahoma's process for developing/revising its Integrated Report is contained in the State's *Continuing Planning Process* ("CPP") document. [http://www.deq.state.ok.us/wqdnew/pubs/2006_CPP_final.pdf]

SUBMITTING WATER QUALITY INFORMATION

The Water Quality Planning and Management regulations (40 CFR 130.7) require that "all existing and readily available water quality related data and information" must be evaluated in developing the 303(d) list. A complete list of criteria and information necessary for consideration is found in the CPP.

In general, water quality data must meet the following criteria to be considered:

- Ambient data no greater than five years old that indicates attainment status of water quality criteria related to designated uses.
- Only data collected before April 30, 2007 should be used in use attainment determinations.
- Impairments must be due to specific pollutants that are conducive to the TMDL process, and the specific source causing impairment must be noted in the submittal, if known.

All nominations must include the following information:

✓ ***Waterbody Identification***
Oklahoma currently uses a 14-digit waterbody identification ("WBID#") system. If you do not know the appropriate WBID# for your particular segment, you can provide an accurate legal description or latitude/longitude reference for your segment of concern. In addition, please supply the common name for the waterbody as it is listed on a United States Geological Survey (USGS) topographical map.

✓ ***Justification for Listing Decision***
It is imperative that all attainment decisions are based on ample data and documentation to prove that water quality standards are impaired or not. Your submittal should include a summary of the data used to support the decision, the complete data set (or reference to the complete data set if it is contained in a published report), and an analysis showing water quality standards violation or attainment. *Oklahoma's Water Quality Standards, Use Support Assessment Protocols,* and the *Integrated Water Quality Report Listing Methodology* procedures in the CPP should be consulted and utilized in your justification and analysis.

✓ ***QA/QC Procedures Used***
Data submitted should include information on sampling and analyses, including Quality Assurance and Quality Control (QA/QC) procedures used. DEQ will evaluate the QA/QC protocols used in gathering and analyzing the samples to decide if and how that data will be used. To be used, data must use QA/QC methods that are in accordance with "EPA Requirements for QA Project Plans" (QA/R5, May 2001).

Groundwater Quality

Overview

Groundwater is an important natural resource in Oklahoma. There are twenty-one major groundwater basins in the state and approximately 150 minor basins. These major basins are used as primary source of community drinking water and are estimated to hold over 320 million acre-feet of fresh water. See Figure 8 for a detailed map of the "Major Groundwater Aquifers in Oklahoma".

The Oklahoma CAFO Act puts measures into place that prohibit a hydrologic connection between generated wastewater and waters of the state. The Act further states that samples of water from Licensed Managed Feeding Operations (LMFO) monitoring wells located around swine lagoons shall be collected by the ODAFF and tested at least annually. Licensed Managed Feeding Operations (LMFO's) licensed on or after August 1, 1998 had to install a monitoring "system" (leak detection or wells) before using the retention structure to store liquid wastes. The main goal of the monitoring program is to ascertain if groundwater resources at or near the LMFO's are being subject to any degradation as result of the operation of the facilities and storage of the liquid animal waste. The baseline data for the facilities serves as a reference point to potential change in groundwater quality over time. Beginning in the Fall of 1999 to present date, the Department has been involved with the annual sampling and evaluation of over 1,000 monitoring wells at swine LMFOs as required by provisions in the Act.

There are extensive produced water/brine groundwater plumes in some old oilfield areas due mainly to old spills that were never remediated, leaking unplugged wells, and to the former practice (now banned for over thirty five years) of dumping produced brines into "evaporation pits". Pollutants and saline water have migrated from these surface and subsurface sources into underlying soils and groundwater. Drinking water wells in the some areas have been rendered un-usable, and many streams are now being impacted by saline groundwater plumes that emanate from the old produced water and "evaporation pit" areas. Counties where this has been identified as a known or likely problem include Pottawatomie, Seminole, Kay, Oklahoma, Carter, Garvin, Garfield, and Stephens. Other areas have yet to be investigated.

Since 1996 the Corporation Commission has collected approximately 2500 groundwater samples near known and suspected oil and gas spill sites and/or in response to complaints from citizens in oil and gas field areas. These are taken in domestic water wells; in monitoring wells installed to investigate possible groundwater pollution; from water seeping into borings and dug trenches; and from springs and seeps where groundwater emerges at the surface. Samples are analyzed for TDS, chlorides, and sulfates , petroleum, metals, or other parameters as appropriate, in order to determine what actions are needed in each case. Corp Comm has also begun to list significantly impacted groundwater pollution sites in the OWRB's Appendix H, where the public and water well drillers can be apprised of areas where standard water well installation is inappropriate.

Corp Comm is also attempting to utilize this data in conjunction with surface water data to determine potential sources of watershed impairments and/or areas in which corrective action should be taken. For example, many of the salinity impacted streams found to date have no apparent surface source. However, ground water and spring/seep samples taken near some of these streams show that there is an adjacent subsurface brine plume, probably the source for the stream's excess salinity. If the source for each brine plume could be determined and remediated, the plume(s) could no longer carry pollutants to the streams and cause stream impairments. Corp Comm is using its current ground water sampling data for this purpose in a few areas, but does not yet have the funding to undertake extensive sampling near impaired streams to determine the potential groundwater sources for all impaired streams. Corp Comm is also beginning to obtain GPS locations on all oil and gas wells in the state in order to be able to accurately map well distribution and predict possible impacts.

In addition to groundwater sampling, Corp Comm funded a USGS test of a Helicopter borne Electro-Mag (HEM) tool in 25 (twenty-five) square miles in Carter and Stephens counties near salinity impaired streams. HEM can rapidly cover large areas to determine groundwater impairments and surface water/groundwater interaction. Saline polluted groundwater plumes in aquifers, some of which are flowing into and impairing streams in the study area, are now being mapped. Source location is the next step. In addition, Corp Comm is also trying to obtain grant funding to extend this HEM project to the other thousands of square miles of old oilfield areas in the state, in order to determine which if any also have impacted groundwater.

In 1984, the OWRB established a monitoring network to determine the ambient quality of major aquifers for the development of numeric groundwater quality standards. Between 1984 and 1992, the OWRB collected annual samples from a network of more than 200 domestic, irrigation, stock, and municipal water wells. Samples were analyzed for major ions and metals. Unfortunately, this program was discontinued after nine years of data collection due to lack of funding. However, the OWRB continues to conduct sampling of major aquifers as part of their basin studies and Beneficial Use Monitoring Program (BUMP). For example, in 2001 the OWRB sampled 61 wells in the Cimarron Alluvium and Terrace aquifer for nutrients and major ions. In 2002, 64 wells in the North Fork of the Red River Alluvium and Terrace aquifer were sampled for major ions.

The OWRB has also conducted statewide monitoring of groundwater *quantity* since 1937 through the mass measurement program, in which water levels in more than 585 wells are measured annually to assess long-term trends in groundwater levels and aquifer storage.

OWRB contracts with Oklahoma Department of Agriculture (with the assistance of an EPA grant) to perform compliance groundwater monitoring at swine Licensed Managed Feeding Operations and the number of observation wells in the annual water level measurement program is approximately 500 beginning 2008.

The DEQ has two monitoring programs that address groundwater: the Public Water Supply Compliance Sampling and a 106 Ambient Groundwater Monitoring program. Public water supplies must collect samples at various intervals and locations to determine if the water they serve the public complies with primary drinking water standards as set forth in the Safe Drinking Water Act. Most of these samples are collected at points of entry into the distribution system. The water entering the system at the points of entry can represent one or several groundwater sources. This data is compiled and used to determine areas of contamination and to set expected concentration ranges of various chemical contaminants. Historic data has been compiled going back to the 1920's and future data can be compared to historic ranges to determine changes over time. Intentions are to identify potential concerns before they become major problems.

The DEQ's 106 Groundwater Monitoring Program will use public water supply operators to collect samples from 420 randomly selected PWS wells annually. Samples will be analyzed for secondary drinking water parameters and major ions. Data will be used to evaluate and classify groundwater quality and determine aquifer homogeneity. The three years of monitoring data, analyzed, verified, and compiled are available to State agencies, federal agencies, and the citizens of Oklahoma for their use. This information will be available on the Oklahoma Department of Environmental Quality's website at http://www.deq.state.ok.us/WQDnew/groundwater/index.html. Maps of water quality are included here for nitrates, sulfates, and total dissolved solids in the major aquifers. Trends established by this ambient monitoring program can be used to identify sources of polluted runoff that potentially could adversely impact vulnerable groundwater resources.

The DEQ has several remediation programs that identify, monitor, and when needed, remediate local sources of ground water pollution from releases at regulated facilities, historical releases, and spills. Most of these sources are very localized and are not included as areas with problems or concerns.

Major Aquifers with Anthropogenic Water Quality Problems or Concerns

Major aquifers are defined as aquifers which can effectively yield 150 gallons per minute or greater. The following information is based on samples submitted to The DEQ of domestic wells and through the PWS program. This information is based upon the most recent information provided to this division as of December of 2002. For location of the major groundwater aquifers of Oklahoma, please refer to Figure 7.

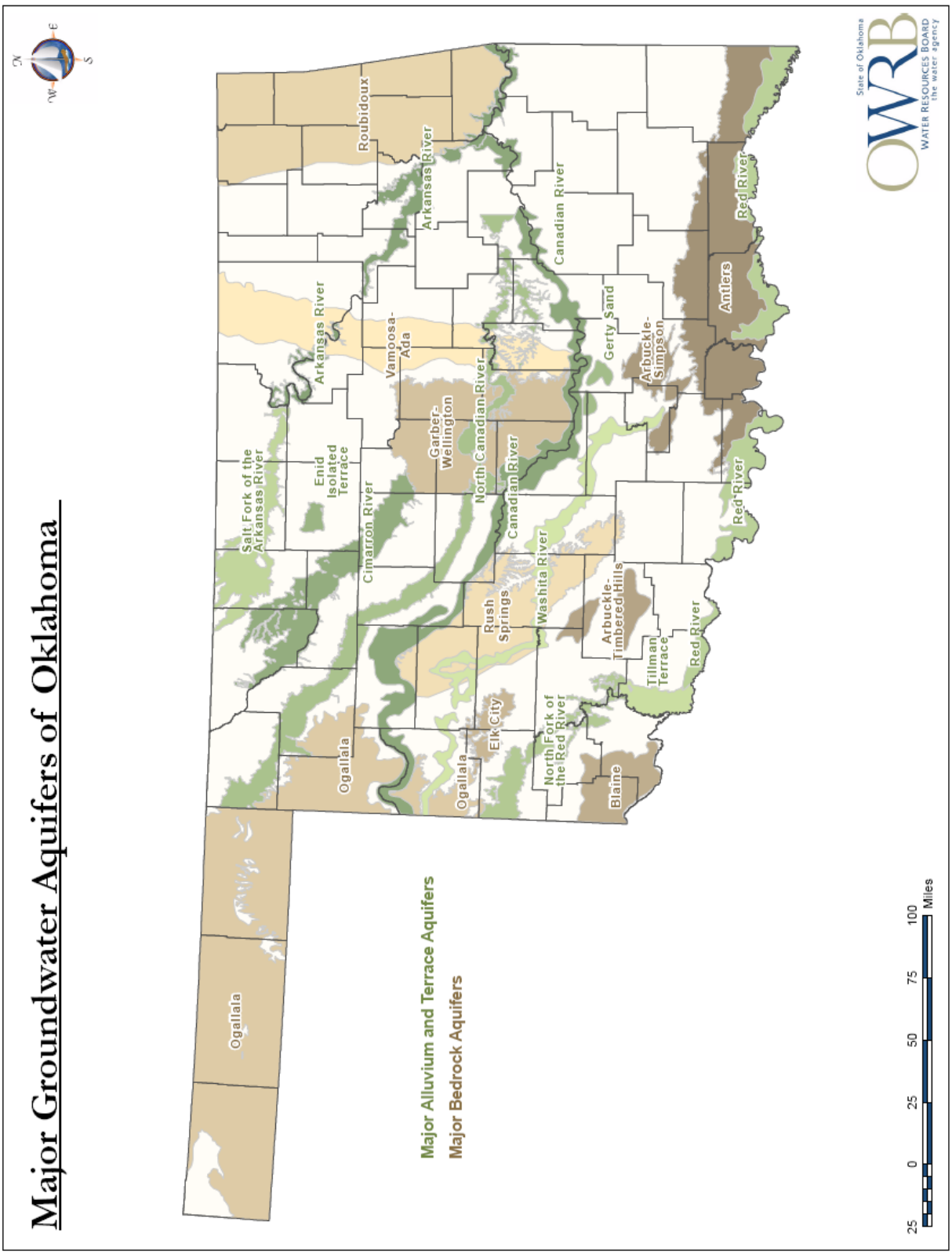
Alluvium and Terrace Deposits of the Salt Fork of the Arkansas River

The DEQ has identified several wells and well fields in this aquifer with elevated nitrate levels.

Alluvium and Terrace Deposits of the Arkansas River

The DEQ has identified several wells and well fields in this aquifer with elevated nitrate levels.

FIGURE 8. GROUNDWATER AQUIFERS OF OKLAHOMA



Alluvium and Terrace Deposits of the Enid Isolated Terrace Deposits

The DEQ has identified a well in this aquifer with elevated nitrate levels.

Alluvium and Terrace Deposits of the Cimarron River

The DEQ has identified several wells and well fields in this aquifer with elevated nitrate levels.

Alluvium and Terrace Deposits of the Beaver-North Canadian River

The DEQ has identified several wells and well fields in this aquifer with elevated nitrate levels.

Alluvium and Terrace Deposits of the Canadian River

The DEQ has identified several wells and well fields in this aquifer with elevated nitrate levels.

Alluvium and Terrace Deposits of the Washita River

The DEQ has identified a well field in this aquifer with elevated nitrate levels.

Alluvium and Terrace Deposits of the North Fork of the Red River

The DEQ has identified several wells and well fields in this aquifer with elevated nitrate levels.

Alluvium and Terrace Deposits of the Red River

The DEQ has identified several wells and well fields in this aquifer with elevated nitrate levels.

Ogallala Formation

The DEQ has identified a well field in this aquifer with elevated nitrate levels. Some of the wells showed elevated levels of selenium, probably of natural origin.

Antlers Sandstone

The DEQ has identified several monitoring wells in this aquifer with elevated nitrate levels. Some of the wells showed consistently low pH values.

Rush Springs Sandstone

The DEQ has identified several wells, monitoring wells and well fields in this aquifer with elevated nitrate levels and a well field with hydrocarbon and chloride contaminations. The contamination is the result of historic oil and gas activities (extraction, refinement, and salt-water disposal).

Garber Sandstone and Wellington Formation

The DEQ has identified several wells in this aquifer with gross alpha activity above the maximum allowable limit of 15 pCi/L. The Department has also identified several wells and well fields with selenium contamination. Localized wells and monitoring wells have been identified with industrial solvent contamination. Several wells have been detected with elevated levels of nitrates and chlorides. Arsenic is naturally occurring within this aquifer and several excursions above the new MCL of 10 □g/L have been noted via DEQ source monitoring actions.

Roubidoux Formation

The DEQ has identified several newly installed wells in this aquifer that show local elevated iron, sulfate, and total dissolved solid levels in Ottawa County attributed to mine water contamination from historical mining from the Tar Creek Superfund site. The intervening Boone Formation is heavily impacted by the mining and is the source for localized problems within the Roubidoux. DEQ and EPA continue to monitor water quality in this area under the After Action Monitoring Program.

Vamoosa Formation

The DEQ has identified several wells in this aquifer with elevated fluoride levels. The DEQ, the OWRB, and the United States Geological Survey have identified several wells and well fields with chloride contamination.

The Arbuckle Formation

The DEQ has identified several monitoring wells in this aquifer with elevated fluoride levels and a tendency towards excessive hardness. There are no known groundwater based community public drinking water systems experiencing water quality problems. The source appears to be natural and has therefore limited the usefulness of this formation as a drinking water source.

Non-major Aquifers with Anthropogenic Water Quality Problems or Concerns

Non-major aquifers are defined as aquifers which effectively yield less than 150 gallons per minute. The following information is based primarily on individual wells or well fields that were affected by problems. These wells may or may not constitute a public water supply. In most cases, the problem wells are not in use, or have had their water blended with other sources to reduce the contaminant(s) to acceptable level(s). For location of the major aquifers, please refer to the maps "Alluvium and Terrace Deposits in Oklahoma" and "Major Bedrock Aquifers in Oklahoma".

The Boone Formation/Boone Chert/Keokuk and Reeds Springs Formation

The DEQ and the OWRB have identified several monitoring wells in this aquifer at the Tar Creek Superfund site in Ottawa County with low pH levels and heavy metal contamination. The source of contamination is from historic mining operations. This formation overlays the Roubidoux Formation. The Roubidoux Formation is threatened and locally impacted near several monitoring wells due to the severity of the contamination in the overlaying formations.

The Oscar "A" Formation

The DEQ has identified several wells in this aquifer with elevated nitrate levels and gross alpha activity above the maximum allowable limit of 15 pCi/L. These concerns are similar to those expressed for the Garber/Wellington Formation.

McAlester and Hartshorne Formation-Savanna Formation/McAlester Formation/Hartshorne Sandstone Formation

The DEQ has identified several monitoring wells in this aquifer with low pH levels, heavy metal contamination, chlorides, and some controlled industrial wastes. The source of contamination is from historic mining operations and off-site disposal pits for oil field and industrial waste.

Walnut Creek Alluvium Deposits

The DEQ has identified two well fields in this aquifer with elevated nitrate levels.

Tillman Terrace Deposits

The DEQ has identified two well fields in this aquifer with elevated nitrate levels and elevated levels of selenium.

Little Sandy Creek Alluvium Deposits

The DEQ has identified a well field in this aquifer with elevated nitrate levels.

West Cache Creek Terrace

The DEQ has identified a well field in this aquifer with elevated nitrate levels.

Major Sources of Contamination

The major sources of contamination within the state are listed in Table 19. The basis used for establishing the priority ranking system was based upon information collected from the various monitoring programs (e.g. the monitoring network, the ambient monitoring program and the wellhead protection program and the Tar Creek After-Action Monitoring Program).

TABLE 19. MAJOR SOURCES OF CONTAMINATION

Contaminant Sources	Highest Priority Sources	Factors Considered in Selecting a Contaminant Source[1]	Contaminants[2]
Agricultural Activities			
Agricultural Chemical Facilities			
Animal Feedlots	√	A - C - D - E	E - J
Drainage Wells			
Fertilizer Applications	√	C - E	E
Irrigation Practices	√	C - E	E
Pesticide Applications			
Storage and Treatment Activities			
Land Application	√	C - D - E	D - E - H - J - L
Material Stockpiles			
Storage Tanks (Above Ground)			
Storage Tanks (Underground)	√	A - C - E	D
Surface Impoundments	√	A - C - D - E	D - E - G - H - J - L
Waste Piles	√	C - D	H
Waste Tailings	√	C - D	H
Disposal Activities			
Deep Injection Wells	√	C - D - E	C - D - G - H
Landfills			
Septic Systems	√	A - C - D - E	E - J - L
Shallow Injection Wells			
Other			
Hazardous Waste Generators			
Hazardous Waste Sites			
Industrial Facilities			
Material Transfer Operations			
Mining and Mine Drainage	√	A – C – D - E	H
Pipelines and Sewer Lines			
Salt Storage and Road Salting			
Salt Water Intrusion	√	C - D - E	G - D
Spills		D	D - G
Transportation of Materials		D	D
Urban Runoff			
Other Sources Abandon Wells (Unplugged)	√	A - C - D - E	A - B - D - E - G - J - L - M

KEY TO TABLE 18

1	2
A. Human health and/or environmental risk (toxicity)	A. Inorganic Pesticides
B. Size of the population at risk	B. Organic Pesticides
C. Location of the sources relative to drinking water sources	C. Halogenated Solvents
D. Number and/or size of contaminant sources	D. Petroleum Compounds
E. Hydrogeologic sensitivity	E. Nitrate
F. State findings, other findings	F. Fluoride
G. Other	G. Salinity/Brine
	H. Metals
	I. Radionuclides
	J. Bacteria
	K. Protozoa
	L. Viruses
	M. Any Unlisted Surface Contaminants

Overview of State Groundwater Protection Programs

Table 20 contains a summary of the state groundwater protection programs.

The DEQ received authority under HB 2227 and 1002 and S. B. 361 (clean up bill for HB 1002) to be the lead agency for Oklahoma's Wellhead Protection Program. Due to the variety of potential causes and sources of groundwater contamination, other state environmental agencies are involved in this program. These include the ODAFF, OWRB, OCC, Corporation Commission, Wildlife Department, and the Department of Mines.

TABLE 20. SUMMARY OF THE STATE GROUNDWATER PROTECTION PROGRAMS

Program or Activities	Check if active	Implementation Status	Responsible Agency
Active SARA Title III Program	√	FE	DEQ
Ambient groundwater monitoring system	√	CE	DEQ
Aquifer vulnerability assessment	√	FE	DEQ*
Aquifer mapping	√	CE	OWRB*
Aquifer characterization	√	CE	OWRB*
Comprehensive data management system	√	CE	DEQ
EPA - endorsed Core Comprehensive State Groundwater Protection Program (CSGWPP)	√	CE	DEQ*
Groundwater discharge permits	√	FE	DEQ*
Groundwater Best Management Practices	√	CE - UR	DEQ*
Groundwater legislation	√	CE	OWRB*
Groundwater classification	√	CE	OWRB*
Groundwater quality standards	√	CE	OWRB*
Interagency coordination for groundwater protection initiatives	√	CE	OSE*
Nonpoint source controls	√	UD	OCC*
Pesticides State Management Plan	√	FE	ODAFF
Pollution Prevention Program	√	FE	DEQ

Program or Activities	Check if active	Implementation Status	Responsible Agency
Resource Conservation and Recovery Act (RCRA) Primacy	√	FE	DEQ
Source Water Assessment and Protection Program (SWAP)	√	FE	DEQ
State Superfund	√	CE	DEQ
State RCRA Program incorporating more stringent requirements than RCRA Primacy	√	CE	DEQ
State septic system regulations	√	FE	DEQ
Underground storage tank installation requirements	√	FE	Corp. Comm
Underground Storage Tank Remediation Fund	√	FE	Corp. Comm
Underground Storage Tank Permit Program	√	FE	Corp. Comm
Oil & Gas well drilling, commercial mud pit, and land application permit programs	√	FE	Corp. Comm.
Special protective rules for pit liners and O&G well casing when close to water wells	√	FE	Corp. Comm.
Oil & Gas injection well UIC Program	√	FE	Corp. Comm.
Oil & Gas state abandoned well plugging fund program	√	FE	Corp. Comm.
Oil & Gas surface and groundwater assessment and remediation oversight programs	√	FE	Corp. Comm.
Oil & Gas orphaned and abandoned well site cleanup program (state authorized industry funded)	√	FE	OERB
Oil & Gas base of fresh/treatable water mapping program	√	CE	Corp. Comm.
Underground Injection Control Program	√	FE	DEQ*
Vulnerability assessment for drinking water / wellhead protection	√	CE	DEQ
Well abandonment regulations	√	FE	OWRB*
Wellhead Protection Program (EPA - approved)	√	CE - FE	DEQ
Well installation regulations	√	FE	OWRB*

KEY TO TABLE 19

Implementation Status		Responsible Agency	
CE	Continuing Efforts	DEQ	Oklahoma Dept. of Environmental Quality
FE	Fully Established	OCC	Oklahoma Conservation Commission
NA	Not Applicable	Corp Comm	Oklahoma Corporation Commission
P	Pending	OWRB	Oklahoma Water Resources Board
UD	Under Development	OSE	Office of the Secretary of Environment
UR	Under Revision	OERB	Oklahoma Energy Resources Board
		ODAFF	Oklahoma Dept. of Agriculture Food and Forestry

Oklahoma's Wellhead Protection Program

The DEQ developed its Wellhead Protection Program in accordance with the EPA guidelines set forth under the Safe Drinking Water Act ' 1428 (as amended in 1986). Oklahoma's Wellhead Protection Program is a mechanism to assist local communities in protecting their groundwater based drinking supplies. The goal of the Wellhead Protection Program is to delineate protected areas around a drinking water wellhead. In these protected areas, potential causes and sources of groundwater contamination can be identified and managed thus reducing or eliminating the risk of well contamination.

Under Oklahoma's Wellhead Protection Program, managers of groundwater based drinking water systems may contact the DEQ to request technical assistance. The state will also offer technical assistance for such tasks as evaluating the potential for groundwater contamination, determining possible sources of contamination, proposing model ordinances for control of potential sources of contamination, and/or preparing a contingency plan in the event of well contamination. The program advocates land use restrictions around the wellhead. At present, emphasis is placed on the development of contingency plans, educational programs and voluntary implementation of best management practices to reduce or eliminate the need for restrictive regulatory protection.

Groundwater Indicators

The DEQ routinely monitors public drinking water wells for nitrates, coliform bacteria, volatile organic compounds and other drinking water quality parameters. The DEQ has regulatory authority for public water supplies under 63 O.S. 1981, ' 1-901 *et seq*. The regulations were last amended by the Oklahoma State Board of Health on February 8, 1990 (effective May 25, 1990) and incorporated into the DEQ on January 1, 1993 (effective July 1, 1993 and amended July 1, 2003). Table 20 lists the various supply systems with standards violations. With the exception of nitrate as nitrogen, most of the contaminants are of natural origin. Note that in the "Date Violation Confirmed" column, some violations are of recent discovery and others have been known for several years.

TABLE 21. PUBLIC WATER SUPPLY STANDARDS VIOLATIONS

System Name	County	Aquifer	Date Violation Confirmed	Current Level (mg/L)	Date of Last Analysis
Nitrate, Maximum Allowable Limit – 10 mg/L (ppm)					
Aline	Alfalfa	Cimarron Terrace	2000	13	11/2/2007
Canadian Co RWD # 1	Canadian	North Canadian River Alluvium	1994	14	9/25/2007
Carmen	Alfalfa	Cimarron Terrace	1995	11	10/15/2007
Cimarron City	Logan	Cimarron Alluvium	2005	11	12/6/2006
Cleo Springs	Major	Cimarron Terrace	1993	11	4/16/2007
Deer Creek	Grant	Arkansas River, Salt Fork Alluvium	1993	11	9/14/2007
Garfield Co RWD # 5	Garfield	Cimarron Terrace - Cedar HL	1994	14	8/2/2007
Garfield Co RWD #1 (KREM-HILL)	Garfield	Enid Terrace	1993	11	6/6/2006
Goltry	Alfalfa	Turkey Creek Alluvium	1993	15	10/28/2007
Hollis	Harmon	Red River, Salt Fork Terrace	1993	12	9/14/2007
Hydro PWA	Caddo	Rush Springs Sandstone	1995	12	6/6/2006
Laverne	Harper	North Canadian River Terrace	2005	11	9/14/2007
Logan Co RWD #2	Logan	Cimarron River Terrace	1993	15	10/2/2007
Loyal	Kingfisher	North Canadian River Alluvium	1998	12	6/4/2007
Major Co RWD #1	Major	Cimarron Terrace	1996	11	4/18/2007

System Name	County	Aquifer	Date Violation Confirmed	Current Level (mg/L)	Date of Last Analysis
Mooreland	Woodward	North Canadian River Terrace	1993	11	10/16/2007
North Blaine Water	Blaine	North Canadian River Alluvium	1993	14	7/11/2007
North Blaine Water	Blaine	Cimarron River Terrace	1993	14	7/11/2007
Okarche	Kingfisher	North Canadian River Alluvium	2001	12	9/14/2007
Okarche RWD	Kingfisher	North Canadian River Alluvium	1988	14	11/2/2007
Payne Co RWD #3	Payne	Stillwater Creek Alluvium	1990	13	11/2/2007
Payne Co RWD #3	Payne	Vamoosa	1990	13	11/2/2007
Raintree Addition	Osage	Arkansas River Alluvium	2000	12	10/15/2007
Southern Hills Inc	Stephens	Unknown	2007	20.5	9/14/2007
Thirsty Water Corp.	Greer	Red River, North Fork Terrace	2005	11	9/14/2007
Timberline MHP	Osage	Arkansas River Alluvium	1993	23	10/2/2007
Tuttle	Grady	Unknown	2000	12	10/5/2007
Apex Fitness	Grady	Unknown	2006	12	11/2/2006
Big Belly Bar B Que	Cleveland	Unknown	2004	11	6/6/2006
Cummins Pontiac	Custer	Unknown	2005	17	7/23/2007
IBS Pizza and Deli Convenience Store	Logan	Unknown	2005	20	10/2/2007
Mycoland RV & Mobile Home Park	Osage	Arkansas River Alluvium	1993	11	7/21/2006
Syms Stop & Shop	Woodward	Unknown	2007	11	11/2/2007
Arsenic, Maximum Allowable Limit – 0.010 mg/L (ppm)					
Cedar Ridge Estates Development Co	Logan	Unknown	2007	0.027	9/14/2007
Applewood MHP	Oklahoma	Garber-Wellington	1985	0.061	12/18/2007
Edmond PWA – Arcadia	Oklahoma	Garber-Wellington	2007	0.023	11/6/2007
Corn PWA	Washita	Rush Springs Sandstone	2007	0.008	1/6/2006
Cadmium, Maximum Allowable Limit – 0.005 mg/L (ppm)					
Falconhead Property Owners Association	Love	Antlers Sand	2006	0.008	1/6/2006
Fluoride, Maximum Allowable Limit – 4.0 mg/L (ppm)					
Three Springs Farm	Cherokee	Unknown	2005	5.2	5/18/2006
Tetrachloroethylene, Maximum Allowable Limit – 0.005 mg/L (ppm)					
Highpoint MHP	Garfield	Enid Terrace	2006	0.013	11/28/2006

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Appendix A

Oklahoma Waterbody Identification (WBID) System

Waterbody identification (WBID) numbers are established based on a waterbody's location in the State's Water Quality Management Plan. WBIDs are unique identifiers that offer a convenient, unambiguous method of referencing waterbodies within the State of Oklahoma. A complete WBID consists of a two-letter, fourteen-digit identifier.

Example: **OK311500030010_00 -** Elk Creek in southwest Oklahoma

The first two characters define the state code as required by EPA.

"OK …… .. ...._.."

The next six digits are derived from Oklahoma's Water Quality Management Planning Basins. The State's seven large, one-digit planning basins are broken down into smaller basins, each identified with a six-digit number.

"OK 311500 .. ...._.."

Figure 1. Six-Digit Planning Basins

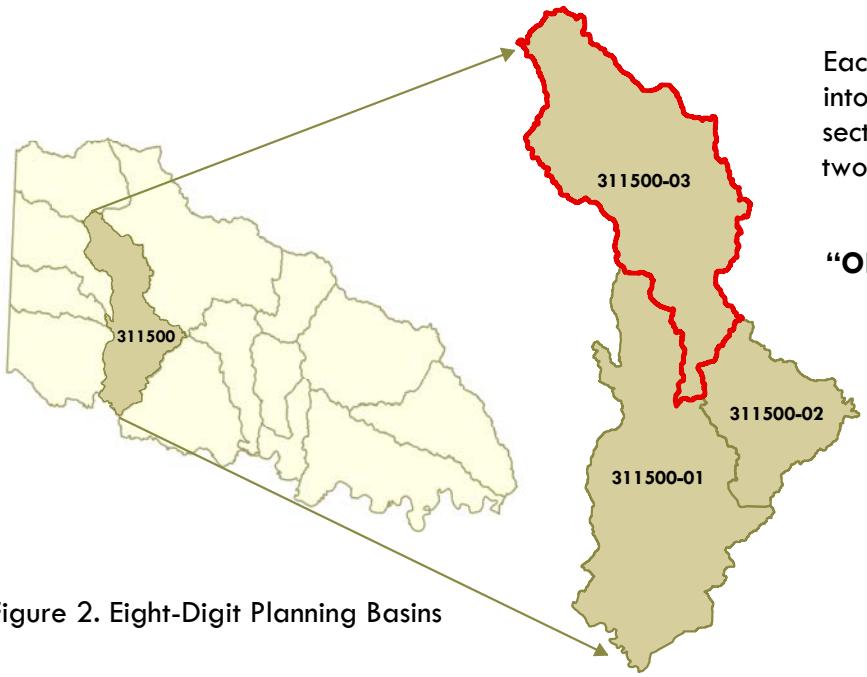


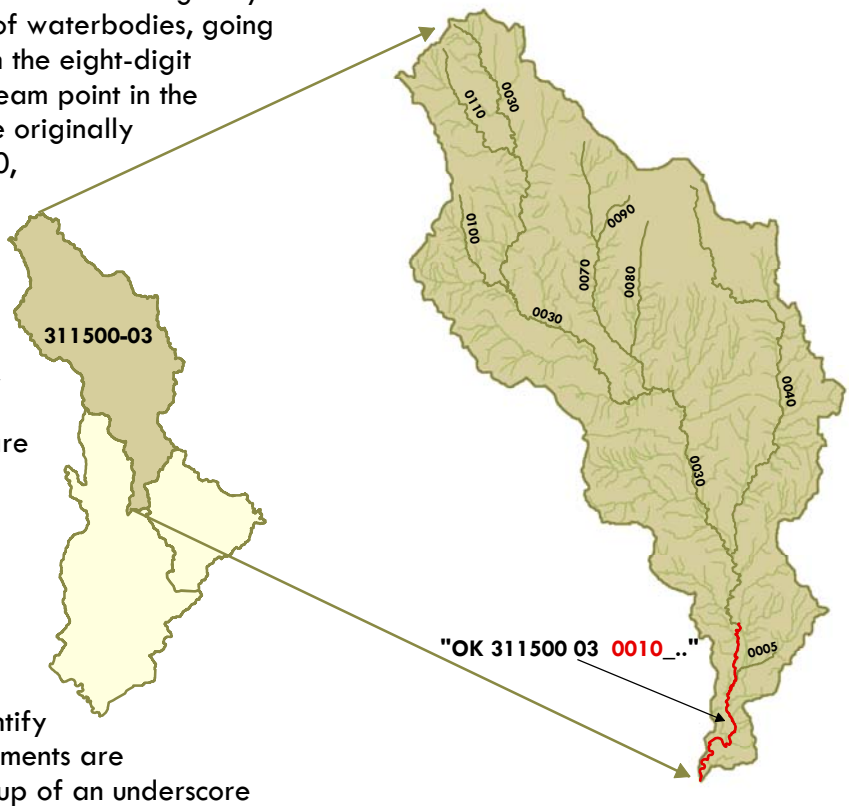
Figure 2. Eight-Digit Planning Basins

Each six-digit basin is divided into a number of smaller sections that are identified by a two-digit number (Figure 2).

"OK 311500 03 ...._.."

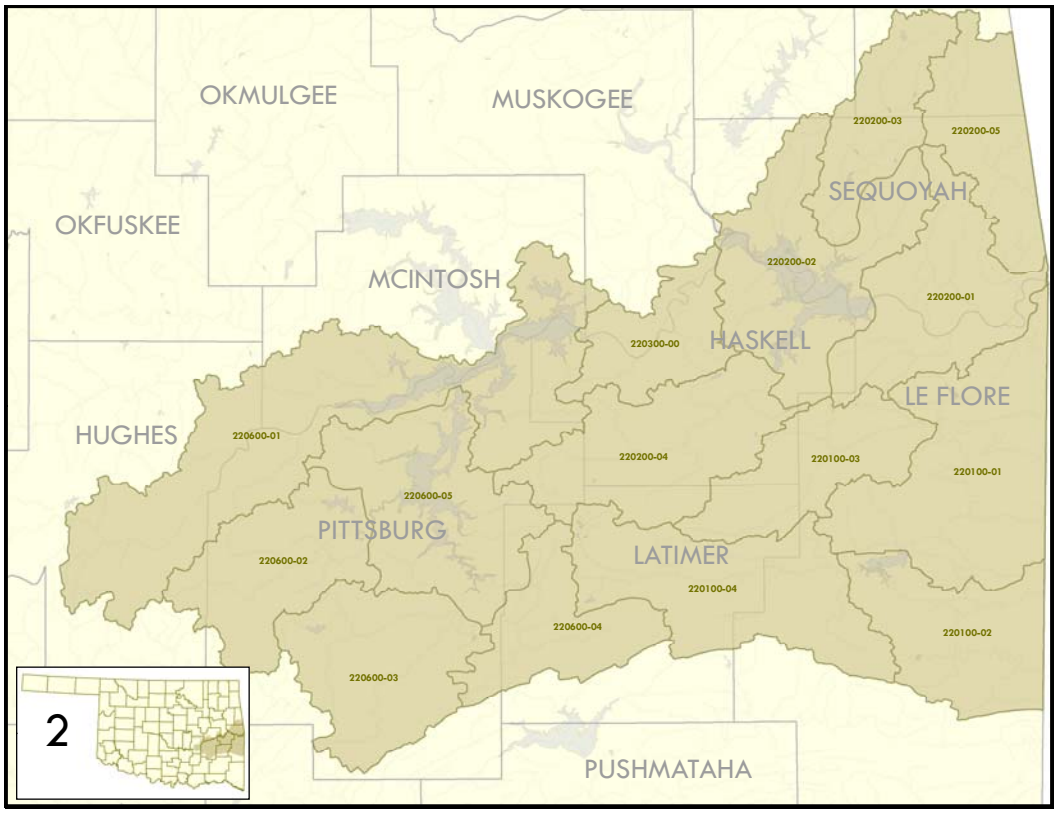
Figure 3. WBID Numbers

The next four digits of a WBID number were originally intended to represent a hydrologic sequence of waterbodies, going from the most downstream point in the eight-digit watershed up to the furthest upstream point in the watershed. These four digits were originally selected by tens (e.g., 0010, 0020, 0030). This provided for the addition of waterbodies while maintaining the hydrologic sequence as much as possible. Not all waterbodies have been assigned an identification number, primarily due to limited resources and need. As more waterbodies are assessed, the WBID system is designed to incorporate a unique identifier for these waterbodies (Figure 3).



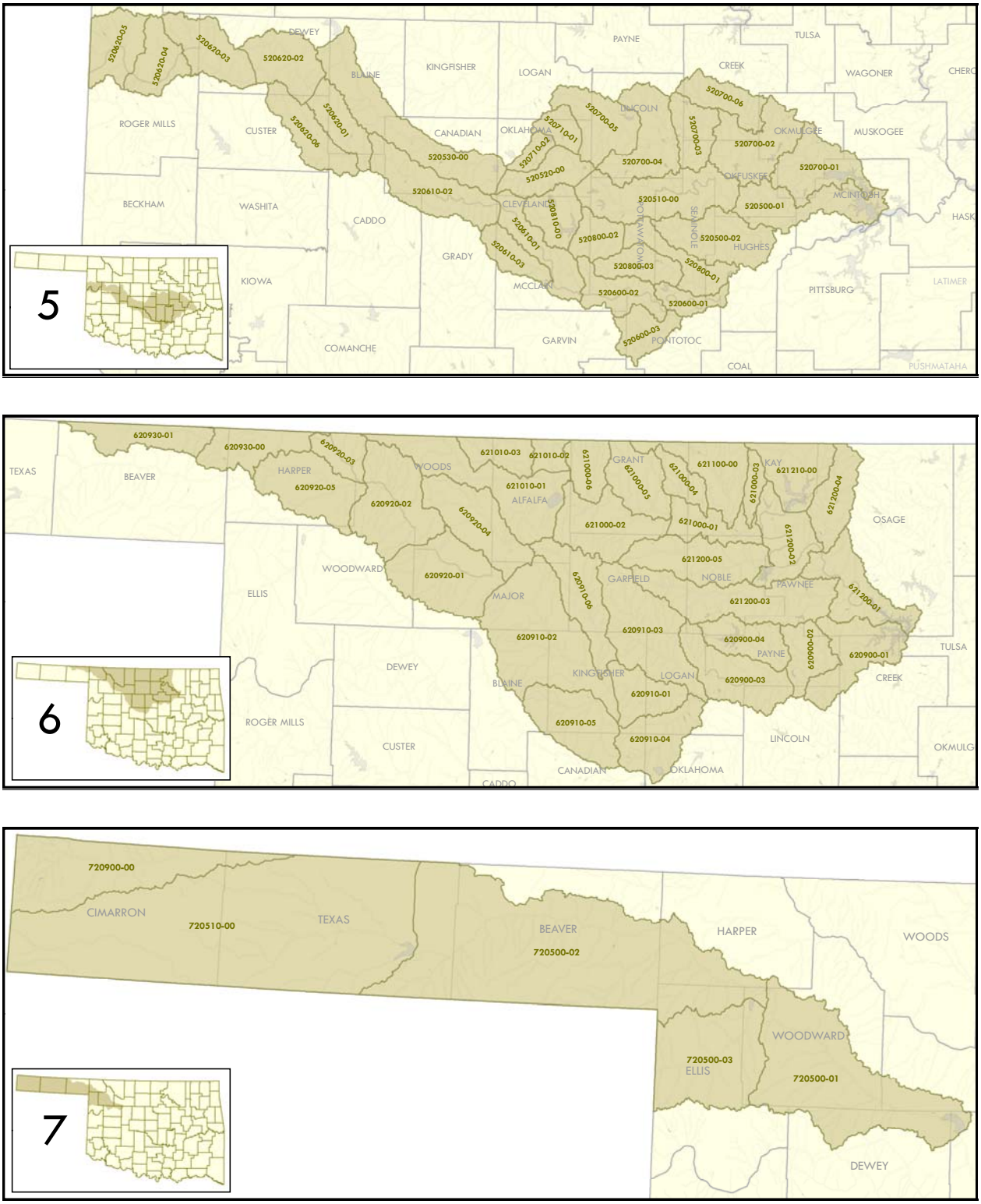
The last two digits of a WBID number allow a waterbody to be segmented further in order to identify specific portions. Waterbody segments are identified by a segment ID made up of an underscore and two additional digits. Waterbodies are initially assigned a segment ID of _00. If additional segmentation is required, upstream segments receive a number higher in value (e.g., _10, _20, _30).

Elk Creek
"OK 311500 03 0010_00"



Oklahoma 8-digit Planning Basins 1 and 2

Oklahoma 8-digit Planning Basins 3 and 4



Oklahoma 8-digit Planning Basins 5, 6, and 7

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Appendix B - 2008 Comprehensive Waterbody Assessment

Waterbody ID	Waterbody Name	Size (Lake Acres or Stream Miles)	Type	Category	Monitoring Date	Aesthetic	Agriculture	Cool Water Aquatic Comm	Habitat Limited Aquatic Comm	Trout Fishery	Warm Water Aquatic Comm	Fish Consumption	Navigation	Primary Body Contact Rec	Secondary Body Contact Rec	Public & Private Water Supply	Emergency Water Supply	High Quality Water	Outstanding Resource Water	Sensitive Water Supply
OK120400010010_00	Arkansas River	8.6	R	2	2017	I	X				X	X	F	X			F			
OK120400010030_00	Dog Branch Creek	4.7	R	3	2017	X	X				X	X		X						
OK120400010040_00	Taylor Creek	4.0	R	3	2017	X	X				X	X		X						
OK120400010050_00	Cedar Creek	4.4	R	3	2017	X	X				X	X		X						
OK120400010070_00	**Webbers Falls Lake**	**11600.0**	**L**	**5a**	**TMDL**	F	F				I	X	F	**N**						
OK120400010080_00	Big Branch	1.4	R	3	2017	X	X				X	X		X						
OK120400010090_00	Sulphur Branch	4.2	R	3	2017	X	X				X	X		X						
OK120400010110_00	Little Greenleaf Creek	7.0	R	3	2017	X	X				X	X		X						
OK120400010120_00	Greenleaf Creek	15.3	R	2	2009	I	F				I	X		I		X				*
OK120400010130_00	**Greenleaf Lake**	**920.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F		**N**				*
OK120400010140_00	Deep Branch	3.9	R	3	2017	X	X				X	X		X		X				*
OK120400010150_00	Spaniard Creek	1.3	R	3	2017	X	X				X	X		X		X				*
OK120400010160_00	Spaniard Creek, East	6.2	R	3	2017	X	X				X	X		X		X				*
OK120400010170_00	Spaniard Creek, West	6.0	R	3	2017	X	X				X	X		X		X				*
OK120400010180_00	White Oak Creek	3.9	R	3	2017	X	X				X	X		X		X				*
OK120400010190_00	Gibson Hollow Creek	2.7	R	3	2017	X	X				X	X		X		X				*
OK120400010200_00	Bob Warren Creek	5.0	R	3	2017	X	X				X	X		X		X				*
OK120400010210_00	Spaniard Creek	5.8	R	3	2017	X	X				X	X		X						
OK120400010220_00	Coal Creek	3.9	R	3	2017	X	X				X	X		X						
OK120400010230_00	Star Oxbow Lake	1.0	L	3	2016	X	X				X	X		X						
OK120400010240_00	Sand Creek	5.1	R	3	2017	X	X				X	X			X					
OK120400010250_00	Salt Creek	3.8	R	3	2017	X	X				X	X		X						

F = Fully Supporting I = Insufficient Information **N = Not Supporting** X = Not Assessed

Waterbody ID	Waterbody Name	Size (Lake Acres or Stream Miles)	Type	Category	Monitoring Date	Aesthetic	Agriculture	Cool Water Aquatic Comm	Habitat Limited Aquatic Comm	Trout Fishery	Warm Water Aquatic Comm	Fish Consumption	Navigation	Primary Body Contact Rec	Secondary Body Contact Rec	Public & Private Water Supply	Emergency Water Supply	High Quality Water	Outstanding Resource Water	Sensitive Water Supply
OK120400010260_00	**Arkansas River**	**11.2**	**R**	**5a**	**TMDL**	I	**N**				**N**	**N**	F	**N**			F			
OK120400010270_00	Bondinot Creek	7.5	R	3	2017	X	X				X	X		X						
OK120400010280_00	Bayou Manard	14.0	R	3	2017	X	X				X	X		X		X				
OK120400010290_00	Shimoon Creek	2.3	R	3	2017	X	X				X	X		X						
OK120400010300_00	Fort Gibson Creek	3.9	R	3	2017	X	X				X	X		X						
OK120400010310_00	Walker Branch	5.0	R	3	2017	X	X				X	X		X						
OK120400010320_00	Fourmile Branch	4.3	R	3	2017	X	X				X	X		X						
OK120400010330_00	Brooks Branch (Limestone Hollow Creek)	4.3	R	3	2017	X	X				X	X		X						
OK120400010340_00	Hicks Branch	4.9	R	3	2017	X	X				X	X		X						
OK120400010350_00	Fire Branch	2.7	R	3	2017	X	X				X	X		X						
OK120400010360_00	Mill Creek	5.7	R	3	2017	X	X				X	X		X						
OK120400010370_00	Bobtail Creek	6.9	R	3	2017	X	X				X	X		X						
OK120400010380_00	Gulager Spring Branch	4.6	R	3	2017	X	X				X	X		X						
OK120400010390_00	Eureka Springs Branch	3.8	R	3	2017	X	X				X	X		X		X				
OK120400010400_00	**Coody Creek**	**16.2**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK120400010410_00	Sam Creek	9.2	R	3	2017	X	X				X	X		X						
OK120400010420_00	Corta Creek	5.5	R	3	2017	X	X				X	X		X						
OK120400010430_00	Bacone Creek	2.1	R	3	2017	X	X				X	X		X						
OK120400010440_00	Ross Lake	1.0	L	3	2016	X	X				X	X		X						
OK120400010450_00	Horseshoe Lake	1.0	L	3	2016	X	X				X	X		X						
OK120400010460_00	Hyde Park Creek!	1.3	R	3	2017	X	X				X	X		X						
OK120400020010_00	**Dirty Creek**	**44.2**	**R**	**5a**	**TMDL**	I	F				**N**	X		I		F				
OK120400020020_00	Sulphur Creek	4.5	R	3	2017	X	X				X	X		X						
OK120400020030_00	**Dirty Creek, South Fork**	**15.6**	**R**	**5a**	**TMDL**	I	F				**N**	X		**N**						

F = Fully Supporting I = Insufficient Information **N = Not Supporting** X = Not Assessed

Waterbody ID	Waterbody Name	Size (Lake Acres or Stream Miles)	Type	Category	Monitoring Date	Aesthetic	Agriculture	Cool Water Aquatic Comm	Habitat Limited Aquatic Comm	Trout Fishery	Warm Water Aquatic Comm	Fish Consumption	Navigation	Primary Body Contact Rec	Secondary Body Contact Rec	Public & Private Water Supply	Emergency Water Supply	High Quality Water	Outstanding Resource Water	Sensitive Water Supply
OK120400020040_00	Starvilla Creek	4.7	R	3	2017	X	X				X	X		X						
OK120400020050_00	Pourum Creek	2.1	R	3	2017	X	X				X	X		X						
OK120400020060_00	Pourum Creek, East	4.2	R	3	2017	X	X		X			X			X					
OK120400020070_00	Pourum Creek, West	3.3	R	3	2017	X	X				X	X		X						
OK120400020080_00	Gap Prairie Creek	3.8	R	3	2017	X	X				X	X		X						
OK120400020090_00	Tiener Branch	3.5	R	3	2017	X	X				X	X		X						
OK120400020100_00	Salt Springs Creek	3.4	R	3	2017	X	X				X	X		X						
OK120400020110_00	**Dirty Creek, Georges Fork**	**10.1**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I	F			
OK120400020120_00	Howland Creek	4.0	R	3	2017	X	X				X	X		X						
OK120400020130_00	Warner Creek	5.9	R	3	2017	X	X				X	X		X						
OK120400020140_00	Warner Lake	13.0	L	3	2016	X	X				X	X		X						
OK120400020150_00	Nebo Creek	6.8	R	3	2017	X	X				X	X		X						
OK120400020160_00	**Butler Creek**	**10.3**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**						
OK120400020170_00	Timberley Creek	4.9	R	3	2017	X	X				X	X		X						
OK120400020180_00	Anderson Creek	10.6	R	3	2017	X	X				X	X		X						
OK120400020190_00	**Elk Creek**	**14.0**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**						
OK120400020200_00	Wayside Creek	12.5	R	3	2017	X	X				X	X		X						
OK120400020210_00	Honey Springs Branch	2.2	R	3	2017	X	X				X	X		X						
OK120400020220_00	Council Hill Creek	9.9	R	3	2017	X	X				X	X		X						
OK120400020230_00	Checotah Creek	7.1	R	3	2017	X	X				X	X		X						
OK120400020240_00	**Shady Grove Creek**	**10.8**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		F						
OK120400020250_00	Unnamed Trib of Dirty Creek	5.2	R	3	2017	X	X				X	X		X		X				
OK120410010010_00	Arkansas River	1.8	R	2	2017	X	X				X	X	F		X		F			
OK120410010020_00	Muskogee Creek, North	8.5	R	3	2017	X	X				X	X		X						

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OK120410010030_00	Pecan Creek	17.0	R	3	2017	X	X				X	X		X		X				
OK120410010040_00	Taft Creek	3.4	R	3	2017	X	X				X	X		X						
OK120410010050_00	Taft Institute Lake	1.0	L	3	2016	X	X				X	X		X						
OK120410010060_00	Blue Creek	7.4	R	3	2017	X	X				X	X		X						
OK120410010070_00	Porter Creek	4.9	R	3	2017	X	X				X	X		X						
OK120410010080_00	**Arkansas River**	**41.9**	**R**	**5a**	**TMDL**	I	**N**				**N**	F	F		**N**		F			
OK120410010080_10	**Arkansas River**	**4.8**	**R**	**5a**	**TMDL**	X	X				I	X	F		**N**		F			
OK120410010090_00	Yellow Water Ditch	8.1	R	3	2017	X	X				X	X		X						
OK120410010100_00	**Cloud Creek**	**5.7**	**R**	**5a**	**TMDL**	I	F				**N**	X		F		I				
OK120410010110_00	Ash Creek	17.7	R	3	2017	I	I				I	X		X		I				
OK120410010120_00	Salt Creek	12.3	R	3	2017	X	X				X	X		X						
OK120410010130_00	Coal Creek	8.2	R	3	2017	X	X				X	X		X						
OK120410010140_00	Haskell Lake	14.0	L	3	2016	X	X				X	X		X						
OK120410010150_00	Concharty Creek	20.4	R	3	2017	X	X				X	X		X						
OK120410010160_00	Coweta Creek	8.2	R	3	2017	X	X				X	X		X						
OK120410010170_00	Cedar Creek	8.5	R	3	2017	X	X				X	X		X						
OK120410010180_00	Mountain Creek	7.2	R	3	2017	X	X				X	X		X						
OK120410010190_00	**Bixhoma Lake**	**110.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F						
OK120410010200_00	Broken Arrow Creek	9.9	R	3	2017	I	I				I	X		X						
OK120410010210_00	**Haikey Creek**	**10.9**	**R**	**5a**	**TMDL**	I	I				**N**	X		**N**						
OK120410010220_00	**Snake Creek**	**31.4**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK120410020010_00	Cloud Creek	10.8	R	2	2012	F	F				I	X		X						
OK120410020020_00	Cane Creek	22.0	R	3	2017	X	X				X	X		X						
OK120410020030_00	Walnut Creek	6.2	R	3	2017	X	X				X	X		X						

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OK120410020040_00	Little Cane Creek	10.9	R	3	2017	X	X				X	X		X						
OK120410020050_00	Coal Creek	8.7	R	3	2017	X	X				X	X		X						
OK120410020060_00	Boynton Creek	1.5	R	3	2017	X	X				X	X		X						
OK120410020070_00	Boynton Lake	100.0	L	3	2008	X	X				X	X		X						
OK120410030020_00	Rock Creek	6.1	R	3	2017	X	X				X	X		X						
OK120410030030_00	Duck Creek	12.6	R	3	2017	X	X				X	X		X						
OK120410030040_00	Eagle Creek	11.6	R	3	2017	X	X				X	X		X						
OK120410030050_00	Duck Creek, North	7.6	R	3	2017	X	X				X	X		X						
OK120410030060_00	Duck Creek, Middle	8.8	R	3	2017	X	X				X	X		X						
OK120410030065_00	**Duck Creek, Middle, Trib!**	**3.2**	**R**	**5a**	**TMDL**	X	**N**				X	X		X						
OK120410030070_00	Duck Creek, South	9.3	R	3	2017	X	X				X	X		X						
OK120410030080_00	Boren Lake	16.0	L	3	2016	X	X				X	X		X						
OK120410030090_00	Bruner Creek	4.3	R	3	2017	X	X				X	X		X						
OK120410030100_00	Rock Creek	6.0	R	3	2017	X	X				X	X		X						
OK120420010010_00	**Arkansas River**	**16.7**	**R**	**5a**	**TMDL**	I	**N**				**N**	F	F		**N**		F			
OK120420010010_10	**Arkansas River**	**7.3**	**R**	**5a**	**TMDL**	X	X				**N**	I	F		**N**		F			
OK120420010020_00	Twin Hills Creek	8.8	R	3	2017	X	X				X	X		X						
OK120420010030_00	Posey Creek	7.4	R	3	2017	I	I				I	X		X						
OK120420010050_00	Joe Creek	8.4	R	3	2017	I	I				I	X		I						
OK120420010060_00	**Fred Creek**	**2.9**	**R**	**5a**	**TMDL**	I	I				I	X		**N**						
OK120420010070_00	**Mosser Creek**	**3.8**	**R**	**5a**	**TMDL**	I	I				I	X		**N**						
OK120420010080_00	Cherry Creek	4.4	R	3	2017	X	X				X	X		X						
OK120420010090_00	**Crow Creek**	**3.0**	**R**	**5a**	**TMDL**	I	I				**N**	X		**N**						
OK120420010110_00	Swan Lake	15.0	L	3	2016	X	X				X	X		X						

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OK120420010120_00	Berryhill Creek	4.3	R	3	2017	X	X				X	X		X						
OK120420010130_00	**Arkansas River**	**12.5**	**R**	**5a**	**TMDL**	I	**N**				**N**	F	F	F	X		F			
OK120420010140_00	**Blackboy Creek**	**4.5**	**R**	**5a**	**TMDL**	I	X				I	X		**N**						
OK120420010150_00	Sand Springs Creek, East	2.7	R	3	2017	X	X				X	X		X						
OK120420010160_00	Sand Springs Lake	14.0	L	3	2016	X	X				X	X		X						
OK120420010170_00	**Harlow Creek**	**5.7**	**R**	**5a**	**TMDL**	I	X				I	X		**N**						
OK120420010180_00	Prattville Creek	5.6	R	3	2017	X	X				X	X		X						
OK120420010190_00	Sand Springs Creek, West	3.1	R	3	2017	X	X				X	X		X						
OK120420010200_00	Fisher Creek	8.0	R	3	2017	X	X				X	X		X						
OK120420010210_00	Anderson Creek	8.4	R	3	2017	X	X				X	X		X						
OK120420010220_00	Euchee Creek	5.6	R	3	2017	X	X				X	X		X						
OK120420010230_00	Shell Creek	3.6	R	3	2017	X	X				X	X		X		X				
OK120420010240_00	Shell Creek	4.8	R	3	2017	X	X				X	X		X		X				*
OK120420010250_00	**Shell Lake**	**573.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F		I				
OK120420010260_00	Phillips Creek	2.5	R	3	2017	X	X				X	X		X		X				*
OK120420010270_00	Phillips Lake	1.0	L	3	2016	X	X				X	X		X						
OK120420010280_00	Mud Creek	5.1	R	3	2017	X	X				X	X		X						
OK120420010290_00	Sand Creek	4.1	R	3	2017	X	X				X	X		X						
OK120420010300_00	Little Sand Creek	2.8	R	3	2017	X	X				X	X		X						
OK120420010310_00	Brush Creek	2.2	R	3	2017	X	X				X	X		X						
OK120420010320_00	Reed Park Creek!	2.5	R	3	2017	X	X				X	X		X						
OK120420020010_00	Polecat Creek	7.2	R	2	2012	I	F				F	X		F						
OK120420020020_00	Hager Creek	4.0	R	3	2017	X	X				X	X		X						
OK120420020030_00	Coal Creek	2.6	R	3	2017	X	X				X	X		X		X				

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OK120420020030_10	Coal Creek	5.5	R	2	2017	I	F		I			X		X		I				
OK120420020040_00	**Nickel Creek**	**12.3**	**R**	**5a**	**TMDL**	I	X				I	X		**N**						
OK120420020050_00	**Polecat Creek**	**7.7**	**R**	**5a**	**TMDL**	I	F				I	X		**N**						
OK120420020050_10	Polecat Creek	29.8	R	2	2017	I	F				I	X		X						
OK120420020060_00	Rock Creek	4.1	R	3	2017	X	X				X	X		X						
OK120420020070_00	Biven Creek	5.7	R	3	2012	X	X				I	X		X						
OK120420020080_00	Euchee Creek	1.4	R	3	2017	X	X				X	X		X						
OK120420020090_00	Middle Lake	1.0	L	3	2016	X	X				X	X		X						
OK120420020100_00	Euchee Creek	7.7	R	3	2017	X	X				X	X		X						
OK120420020110_00	Sapulpa Lake	67.0	L	3	2016	X	X				X	X		X						
OK120420020120_00	Rock Creek	14.6	R	3	2017	X	X				X	X		X		X				*
OK120420020130_00	**Sahoma Lake**	**312.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		F		I				*
OK120420020140_00	Pretty Water Creek	1.8	R	3	2017	X	X				X	X		X		X				*
OK120420020150_00	Pretty Water Lake	16.0	L	3	2016	X	X				X	X		X		X				*
OK120420020160_00	**Childres Creek**	**7.0**	**R**	**5c**	**TMDL**	I	**N**		X			X			X					
OK120420020170_00	Skull Creek	3.7	R	3	2017	X	X				X	X		X						
OK120420020180_00	Euchee Creek	6.5	R	3	2017	X	X				X	X		X						
OK120420020190_00	Kenyon Creek	4.3	R	3	2017	X	X				X	X		X						
OK120420020200_00	Jackson Creek	1.4	R	3	2017	X	X				X	X		X						
OK120420020210_00	Jackson Lake	55.0	L	3	2016	X	X				X	X		X						
OK120420020220_00	Jay Bird Hollow Creek	2.4	R	3	2017	X	X				X	X		X						
OK120420020230_00	Mountain Creek	5.4	R	3	2017	X	X				X	X		X						
OK120420020240_00	Clear Creek	6.4	R	3	2017	I	I				I	X		X						
OK120420020250_00	Warner Creek	2.0	R	3	2017	I	I				I	X		X						

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OK120420020260_00	Little Polecat Creek	8.2	R	3	2017	X	X				X	X			X					
OK120420020270_00	Neversweat Creek	4.4	R	3	2017	X	X				X	X		X						
OK120420020280_00	Kettle Creek	3.8	R	3	2017	X	X				X	X		X						
OK120420020290_00	Polecat Creek	20.5	R	3	2017	I	I				I	X		X		I				*
OK120420020300_00	**Heyburn Lake**	**880.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		**N**		I				*
OK120420020310_00	Browns Creek	7.4	R	2	2012	I	F				I	X		X		I				*
OK120420020320_00	Tiger Creek	5.6	R	3	2017	X	X				X	X		X		X				*
OK120420020330_00	Turkey Creek	5.9	R	3	2017	X	X				X	X		X		X				*
OK120420020340_00	Rowland Creek	2.8	R	3	2017	X	X				X	X		X		X				*
OK120420020350_00	Mosquito Creek	5.9	R	3	2017	X	X				X	X		X		X				*
OK120420020360_00	Winkey Branch, East	1.9	R	3	2017	X	X				X	X		X		X				*
OK120420020370_00	Winkey Branch	3.6	R	3	2017	X	X				X	X		X		X				*
OK120420020380_00	Dog Creek	5.8	R	3	2017	X	X				X	X		X		X				*
OK120420020390_00	Figure Eight Creek	6.2	R	3	2017	X	X				X	X		X		X				*
OK120420020400_00	Deep Creek	4.7	R	3	2017	X	X				X	X		X		X				*
OK120420020410_00	Scholar Creek	5.6	R	3	2017	X	X				X	X		X		X				*
OK121300010010_00	**Bird Creek**	**23.8**	**R**	**5a**	**TMDL**	I	**N**				**N**	F		**N**		**N**				
OK121300010020_00	Elm Creek	4.7	R	3	2015	X	X				X	X		X						
OK121300010030_00	Mingo Creek	12.7	R	2	2010	X	X				I	X		X			F			
OK121300010040_00	Knudson Creek	2.3	R	3	2015	X	X				X	X		X						
OK121300010050_00	Mill Creek	3.7	R	3	2015	I	I				I	X		X						
OK121300010060_00	**Ranch Creek**	**6.9**	**R**	**5a**	**TMDL**	I					I	X		**N**						
OK121300010080_00	Owasso Lake	18.0	L	3	2016	X	X				X	X		X						
OK121300010090_00	**Coal Creek**	**6.7**	**R**	**5a**	**TMDL**	I	I				I	X		**N**						

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OK121300010100_00	Recreation Creek	2.4	R	3	2015	X	X				X	X		X						
OK121300010110_00	Recreation Lake	32.0	L	3	2016	X	X				X	X		X						
OK121300010120_00	Flat Rock Creek	9.9	R	3	2015	I	I				I	X			X					
OK121300010130_00	Yahola Lake	431.0	L	3	2016	X	X				X	X		X						*
OK121300010140_00	Dirty Butter Creek	4.2	R	3	2015	X	X		X			X			X					
OK121300010150_00	**Delaware Creek**	**26.0**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**		I				
OK121300010160_00	Goose Creek	3.1	R	3	2015	X	X				X	X		X						
OK121300010170_00	Turkey Creek	6.2	R	3	2015	X	X				X	X		X						
OK121300020010_00	**Bird Creek**	**4.2**	**R**	**5a**	**TMDL**	F	F				I	F		**N**		F				
OK121300020010_10	**Bird Creek**	**35.6**	**R**	**5a**	**TMDL**	F	F				F	X		**N**		I				
OK121300020030_00	Charley Creek	5.6	R	3	2015	X	X				X	X		X						
OK121300020040_00	Panther Creek	3.0	R	3	2015	X	X				X	X		X						
OK121300020050_00	Skunk Creek	4.3	R	3	2015	X	X				X	X		X						
OK121300020060_00	Skalall Creek	8.3	R	3	2015	X	X				X	X		X						
OK121300020070_00	Tyner Creek	10.4	R	3	2015	X	X				X	X		X						
OK121300020080_00	**Candy Creek**	**17.0**	**R**	**5a**	**TMDL**	F	F				I	X		**N**		I				
OK121300020090_00	Pecan Hollow Creek	0.4	R	3	2015	X	X				X	X		X		X				*
OK121300020100_00	Avant Public Utility Lake	6.0	L	3	2016	X	X				X	X		X						
OK121300020110_00	Avant Municipal Lake	1.0	L	3	2016	X	X				X	X		X						
OK121300020120_00	Little Candy Creek	6.6	R	3	2015	X	X				X	X		X						
OK121300020130_00	Tucker Creek	5.3	R	3	2015	X	X				X	X		X						
OK121300020140_00	Avant Creek	2.7	R	3	2015	X	X				X	X		X						
OK121300020150_00	Bull Creek	8.0	R	3	2015	X	X				X	X		X						
OK121300020160_00	Clem Creek	4.1	R	3	2015	X	X				X	X		X						

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OK121300020170_00	Dog Thresher Creek	8.3	R	3	2015	X	X				X	X		X						
OK121300020190_00	**Waxhoma Lake**	**197.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		F						
OK121300030010_00	**Bird Creek**	**25.1**	**R**	**5a**	**TMDL**	F	F				I	X		**N**		I				
OK121300030020_00	Birch Creek	0.9	R	3	2015	X	X				X	X		X		X				
OK121300030030_00	Birch Creek	11.4	R	3	2015	X	X				X	X		X		X				*
OK121300030040_00	**Birch Lake**	**1137.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		I		I				*
OK121300030050_00	Fourmile Creek	5.8	R	3	2015	X	X				X	X		X		X				*
OK121300030060_00	Choteau Creek	7.7	R	3	2015	X	X				X	X		X						
OK121300030080_00	Pennel Creek	2.9	R	3	2015	X	X				X	X		X						
OK121300030090_00	Red Eagle Branch	3.1	R	3	2015	X	X				X	X		X						
OK121300030100_00	Cedar Creek	4.8	R	3	2015	X	X				X	X		X						
OK121300030110_00	Cochahee Creek	3.9	R	3	2015	X	X				X	X		X						
OK121300030120_00	Nelagone Creek	5.2	R	3	2015	X	X				X	X		X						
OK121300030130_00	Buffalo Creek	5.3	R	3	2015	X	X				X	X		X						
OK121300030140_00	Saucy Calf Creek	4.1	R	3	2015	X	X				X	X		X						
OK121300030150_00	McCormick Creek	2.9	R	3	2015	X	X				X	X		X						
OK121300030160_00	Quapaw Creek	4.4	R	3	2015	X	X				X	X		X						
OK121300030170_00	Rush Creek	2.4	R	3	2015	X	X				X	X		X						
OK121300030180_00	Soldier Creek	4.0	R	3	2015	X	X				X	X		X						
OK121300030190_00	Mud Creek	2.5	R	3	2015	X	X				X	X		X						
OK121300030200_00	**Clear Creek**	**20.1**	**R**	**5a**	**TMDL**	F	F				I	X		**N**						
OK121300030210_00	Cedar Canyon Creek	3.4	R	3	2015	X	X				X	X		X						
OK121300030220_00	Pawhuska Creek	2.0	R	3	2015	X	X				X	X		X						
OK121300030230_00	**Pawhuska Lake**	**96.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F						

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OK121300030240_00	Higgins Creek	3.1	R	3	2015	X	X				X	X		X						
OK121300030250_00	Maher Creek	2.8	R	3	2015	X	X				X	X		X						
OK121300030260_00	Baconrind Creek	5.8	R	3	2015	X	X				X	X		X						
OK121300030270_00	Mud Creek	5.0	R	3	2015	X	X				X	X		X						
OK121300030280_00	Bird Creek, Middle	2.2	R	3	2015	X	X				X	X		X		X				*
OK121300030290_00	Bird Creek, Middle	10.4	R	3	2010	X	X				I	X		X		X				*
OK121300030300_00	**Bluestem Lake**	**762.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		F		I				*
OK121300030310_00	Bird Creek, South	5.4	R	3	2015	X	X				X	X		X		X				*
OK121300030320_00	**Bird Creek, North**	**19.6**	**R**	**5a**	**TMDL**	F	F				I	X		**N**						
OK121300030330_00	Hickory Creek	4.1	R	3	2015	X	X				X	X		X						
OK121300040010_00	**Hominy Creek**	**12.8**	**R**	**5a**	**TMDL**	F	F				F	X		**N**		I				
OK121300040020_00	Rock Creek	10.4	R	3	2015	X	X				X	X		X						
OK121300040030_00	Quapaw Creek	8.8	R	3	2015	X	X				X	X		X						
OK121300040040_00	Battle Creek	6.3	R	3	2015	X	X				X	X		X						
OK121300040050_00	Quapaw Creek, East Prong	4.8	R	3	2015	X	X				X	X		X						
OK121300040060_00	Quapaw Creek, West Prong	3.6	R	3	2015	X	X				X	X		X						
OK121300040070_00	Hominy Creek	6.7	R	3	2015	X	X				I	X		X		X				
OK121300040080_00	**Skiatook Lake**	**10190.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F		I				*
OK121300040090_00	Tall Chief Creek	2.2	R	3	2015	X	X				X	X		X						
OK121300040140_00	Tall Chief Creek Lake	7.7	L	3	2016	X	X				X	X		X						
OK121300040150_00	Lost Creek	5.6	R	3	2015	X	X				X	X		X						
OK121300040160_00	Turkey Creek	4.8	R	3	2015	X	X				X	X		X						
OK121300040170_00	Cedar Creek	2.3	R	3	2015	X	X				X	X		X						
OK121300040180_00	Bull Creek	4.5	R	3	2015	X	X				X	X		X						

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OK121300040190_00	Cedar Canyon Creek	5.0	R	3	2015	X	X				X	X		X						
OK121300040200_00	Eagle Creek	2.0	R	3	2015	X	X				X	X		X						
OK121300040210_00	Wildhorse Creek	8.4	R	3	2015	X	X				X	X		X						
OK121300040220_00	Buck Creek	8.5	R	3	2015	X	X				X	X		X						
OK121300040230_00	Boar Creek	12.1	R	3	2015	X	X				X	X		X						
OK121300040240_00	Cedar Creek	5.5	R	3	2015	X	X				X	X		X						
OK121300040250_00	Sand Creek	6.8	R	3	2015	X	X				X	X		X						
OK121300040260_00	Mahala Creek	7.5	R	3	2015	X	X				X	X		X						
OK121300040270_00	Sunset Creek	5.8	R	3	2015	X	X				X	X		X						
OK121300040280_00	**Hominy Creek**	**33.9**	**R**	**5a**	**TMDL**	I	**N**				I	X		**N**		I				*
OK121300040290_00	Penn Creek	13.1	R	3	2015	X	X				X	X		X						
OK121300040300_00	Moshetomoie Creek	6.5	R	3	2015	X	X				X	X		X						
OK121300040310_00	Blackbird Creek	6.9	R	3	2015	X	X				X	X		X						
OK121300040320_00	Claremore Creek	5.1	R	3	2015	X	X				X	X		X		X				*
OK121300040330_00	**Hominy Municipal Lake**	**165.0**	**L**	**5a**	**TMDL**	F	I				**N**	X		I		I				*
OK121300040340_00	Hominy Lake, Lower	19.0	L	3	2016	X	X				X	X		X						
OK121300040350_00	**Hominy Lake**	**165.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F		F				
OK121300040360_00	Twomile Creek	8.4	R	3	2015	X	X				X	X		X						
OK121300040370_00	Little Hominy Creek	18.9	R	3	2015	X	X				X	X		X						
OK121300040380_00	Bitter Creek	7.8	R	3	2015	X	X				X	X		X						
OK121300040390_00	Happy Hollow Creek	3.0	R	3	2015	X	X				X	X		X						
OK121300040400_00	Niciola Creek (Nicicold)	8.9	R	3	2015	X	X				X	X		X						
OK121300040410_00	Hellroaring Creek	2.5	R	3	2015	X	X				X	X		X						
OK121300040420_00	Rainbow Creek	4.6	R	3	2015	X	X				X	X		X						

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OK121300040430_00	Turkey Run	3.0	R	3	2015	X	X				X	X		X						
OK121300040440_00	Dollie Hollow Creek	3.1	R	3	2015	X	X				X	X		X						
OK121300040450_00	Moraledge Gulch	2.5	R	3	2015	X	X				X	X		X						
OK121300040460_00	Daniels Run	3.3	R	3	2015	X	X				X	X		X						
OK121400010010_00	**Caney River**	**17.7**	**R**	**5a**	**TMDL**	I	F				**N**	I		**N**		I				
OK121400010010_10	**Caney River**	**46.5**	**R**	**5a**	**TMDL**	I	F				**N**	F		**N**		I				
OK121400010020_00	Hobbs Creek	1.5	R	3	2015	X	X				X	X		X						
OK121400010040_00	Collinsville Lake	10.0	L	3	2016	X	X				X	X		X						
OK121400010050_00	East Creek	5.5	R	3	2015	X	X				X	X		X						
OK121400010060_00	Horsepen Creek	9.8	R	3	2015	X	X				X	X		X						
OK121400010070_00	Blackjack Creek	6.3	R	3	2015	I	X				I	X		X						
OK121400010080_00	Cherry Creek	4.9	R	3	2015	X	X				X	X		X						
OK121400010090_00	**Rabb Creek**	**5.6**	**R**	**5a**	**TMDL**	I	F				F	X		**N**		X				
OK121400010100_00	Saunders Creek	8.2	R	3	2015	X	X				X	X		X						
OK121400010110_00	Lacy Creek	5.4	R	3	2015	X	X				X	X		X						
OK121400010120_00	Bevan Creek	7.5	R	3	2015	X	X				X	X		X						
OK121400010130_00	Buck Creek	7.5	R	3	2015	X	X				X	X		X						
OK121400010140_00	Double Creek	7.2	R	3	2015	X	X				X	X		X						
OK121400010150_00	Double Creek, North Fork	7.9	R	3	2015	X	X				X	X		X						
OK121400010160_00	Double Creek Lake # 1	1.0	L	3	2016	X	X				X	X		X						
OK121400010170_00	Double Creek Lake # 6	1.0	L	3	2016	X	X				X	X		X						
OK121400010180_00	Nellie Bly Creek	4.0	R	3	2015	X	X				X	X		X						
OK121400010200_00	Todd Lake	14.0	L	3	2016	X	X				X	X		X						
OK121400010210_00	Double Creek Lake # 4	1.0	L	3	2016	X	X				X	X		X						

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OK121400010220_00	Double Creek, South Fork	4.7	R	3	2015	X	X				X	X		X						
OK121400010230_00	Double Creek Lake # 3	1.0	L	3	2016	X	X				X	X		X						
OK121400010240_00	Double Creek Lake # 2	1.0	L	3	2016	X	X				X	X		X						
OK121400010250_00	Stick Creek (Slick)	2.5	R	3	2015	X	X				X	X		X						
OK121400010260_00	Timberlake Creek	3.5	R	2	2010	I	F				I	I		F						
OK121400010270_00	**Curl Creek**	**17.3**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**						
OK121400010280_00	Fourmile Creek	9.9	R	3	2015	X	X				X	X		X						
OK121400010290_00	Purgatory Creek	6.9	R	3	2015	X	X				X	X		X						
OK121400010300_00	**Hogshooter Creek**	**20.0**	**R**	**5a**	**TMDL**	F					**N**	X		**N**						
OK121400010310_00	Fish Creek	12.0	R	3	2015	X	X				X	X		X						
OK121400010320_00	Keeler Creek	5.4	R	**4a**	2010	X	X				X	X		X						
OK121400010322_00	East Keeler Creek	2.3	R	3	2015	X	X		X			X			X					
OK121400010330_00	Rice Creek	5.7	R	3	2015	X	X				X	X		X						
OK121400020010_00	Caney River	4.5	R	3	2010	X	X				X	X		X		X				
OK121400020010_10	Caney River	25.5	R	3	2010	X	X				I	I		X		I				
OK121400020030_00	Turkey Creek	5.3	R	3	2015	X	X				X	X		X						
OK121400020040_00	Coon Creek	21.1	R	3	2015	X	X				X	X		X		X				
OK121400020050_00	Deer Creek	6.5	R	3	2015	X	X		X			X		X						
OK121400020060_00	Limestone Draw	5.5	R	3	2015	X	X				X	X		X						
OK121400020070_00	Cedar Creek	8.4	R	3	2015	X	X				X	X		X						
OK121400020080_00	Butler Creek	12.3	R	3	2015	X	X				X	X		X						
OK121400020090_00	**Hudson Lake**	**250.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		F						
OK121400020100_00	Johnson Lake	1.0	L	3	2016	X	X				X	X		X						
OK121400020120_00	Bar-Dew Lake	34.0	L	3	2016	X	X				X	X		X						

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OK121400020130_00	Post Oak Creek	8.1	R	3	2015	X	X				X	X		X						
OK121400020140_00	**Little Caney River (Caney Creek)**	**5.5**	**R**	**5a**	**TMDL**	F	F				**N**	X		F		I				*
OK121400020150_00	Brush Creek	8.4	R	3	2015	X	X				X	X		X						
OK121400020160_00	Long Lake Creek	0.5	R	3	2015	X	X				X	X		X						
OK121400020170_00	Long Lake	1.0	L	3	2016	X	X				X	X		X						
OK121400020180_00	Young Lake	1.0	L	3	2016	X	X				X	X		X						
OK121400020190_00	**Mission Creek**	**18.2**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**						
OK121400020200_00	Hay Hollow Creek	3.3	R	3	2015	X	X				X	X		X						
OK121400020210_00	Coon Creek	9.2	R	3	2015	X	X				X	X		X						
OK121400020220_00	Lost Creek	4.1	R	3	2015	X	X				X	X		X						
OK121400020230_00	Possum Creek	4.6	R	3	2015	X	X				X	X		X						
OK121400030010_00	Caney River	13.5	R	3	2015	X	X				X	X		X		X				
OK121400030020_00	**Hulah Lake**	**3570.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		I		I				
OK121400030030_00	Skull Creek	3.3	R	3	2015	X	X				X	X		X		X				
OK121400030040_00	Hickory Creek	2.3	R	3	2015	X	X				X	X		X		X				
OK121400030050_00	Thunderbolt Creek	1.0	R	3	2015	X	X				X	X		X		X				
OK121400030060_00	Hickory Creek, East	0.5	R	3	2015	X	X				X	X		X		X				
OK121400030080_00	Turkey Creek	6.2	R	3	2015	X	X				X	X		X		X				
OK121400030090_00	Pond Creek	22.3	R	3	2015	X	X				X	X		X		X				
OK121400030100_00	Birch Creek	7.2	R	3	2015	X	X				X	X		X		X				
OK121400030110_00	Spring Creek	6.8	R	3	2015	X	X				X	X		X		X				
OK121400030120_00	Fox Creek, North	3.5	R	3	2015	X	X				X	X		X		X				
OK121400030130_00	Dry Creek	5.7	R	3	2015	X	X				X	X		X		X				
OK121400030140_00	Pond Creek, South Fork	4.7	R	3	2015	X	X				X	X		X		X				

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OK121400030150_00	Coon Creek	0.8	R	3	2015	X	X				X	X		X		X				
OK121400030160_00	Cedar Creek	0.8	R	3	2015	X	X				X	X		X		X				
OK121400030170_00	**Buck Creek**	**22.2**	**R**	**5a**	**TMDL**	I	F				F	X		**N**		I				
OK121400030180_00	Smith Creek	5.6	R	3	2015	X	X				X	X		X		X				
OK121400030190_00	Dog Creek	7.0	R	3	2015	X	X				X	X		X		X				
OK121400030200_00	Buck Creek, South	5.8	R	3	2015	X	X				X	X		X		X				
OK121400040010_00	**Sand Creek**	**59.9**	**R**	**5a**	**TMDL**	I	F				F	X		**N**		I				
OK121400040020_00	Eliza Creek	5.6	R	3	2015	X	X				X	X		X						
OK121400040030_00	Jessie Creek	4.4	R	3	2015	X	X				X	X		X						
OK121400040040_00	Panther Creek	7.4	R	3	2015	X	X				X	X		X						
OK121400040050_00	Buck Creek	17.6	R	2	2010	I	F				I	X		I		I				
OK121400040060_00	Turkey Creek	2.8	R	3	2015	X	X				X	X		X						
OK121400040070_00	Doe Creek	3.1	R	3	2015	X	X				X	X		X						
OK121400040080_00	Cedar Creek	3.7	R	3	2015	X	X				X	X		X						
OK121400040090_00	Ranch Creek	2.8	R	3	2015	X	X				X	X		X						
OK121400040100_00	Little Rock Creek	8.6	R	3	2015	X	X				X	X		X						
OK121400040120_00	Higo Lake (Wah Shah She)	8.0	L	3	2016	X	X				X	X		X						
OK121400040130_00	Clyde Lake	70.0	L	3	2016	X	X				X	X		X						
OK121400040140_00	Ponce de Leon Spring Lake	1.0	L	3	2016	X	X				X	X		X						
OK121400040150_00	Whisky Hollow Creek	2.3	R	3	2015	X	X				X	X		X						
OK121400040160_00	Paula Creek	5.7	R	3	2015	X	X				X	X		X						
OK121400040170_00	Lost Creek	5.0	R	3	2015	X	X				X	X		X						
OK121400040180_00	Peters Lake	8.0	L	3	2016	X	X				X	X		X						
OK121400040190_00	Lookout Lake	7.0	L	3	2016	X	X				X	X		X						

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OK121400040200_00	Rock Creek	13.0	R	3	2015	X	X				X	X		X						
OK121400040210_00	Dry Hollow Creek	2.5	R	3	2015	X	X				X	X		X						
OK121400040220_00	Elm Creek	5.0	R	3	2015	X	X				X	X		X						
OK121400040230_00	Sunset Lake	68.0	L	3	2016	X	X				X	X		X						
OK121400040250_00	Deer Lake	12.0	L	3	2016	X	X				X	X		X						
OK121400040260_00	Cedar Creek	8.2	R	3	2015	X	X				X	X		X						
OK121400040270_00	Little Sand Creek	4.6	R	3	2015	X	X				X	X		X						
OK121400040280_00	Mud Creek	5.7	R	3	2015	X	X				X	X		X						
OK121400040290_00	Wild Hog Creek	3.4	R	3	2015	X	X				X	X		X						
OK121400040300_00	Dry Creek	5.9	R	3	2015	X	X				X	X		X						
OK121400050010_00	Little Caney River (Caney Creek)	8.5	R	3	2015	X	X				X	X		X		X				*
OK121400050020_00	**Copan Lake**	**4850.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		I		**N**				*
OK121400050030_00	Copan Creek	2.6	R	3	2015	X	X				X	X		X		X				*
OK121400050040_00	Cotton Creek	16.0	R	3	2015	X	X				X	X		X		X				*
OK121400050050_00	Pooler Creek	6.3	R	3	2015	X	X				X	X		X		X				*
OK121400050060_00	Cotton Creek, North Fork	6.1	R	3	2015	X	X				X	X		X		X				*
OK121400050070_00	Cotton Valley Creek	5.5	R	3	2015	X	X				X	X		X		X				*
OK121400050080_00	Owen Creek	1.0	R	3	2015	X	X				X	X		X		X				*
OK121500010005_00	Arkansas River	0.9	R	2	2015	X	X				X	X	F	X			F			
OK121500010010_00	Verdigris River	3.7	R	3	2015	X	X				X	X		X		X				
OK121500010020_00	Clingham Creek Cutoff Oxbow Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500010030_00	Clingham Creek	4.9	R	3	2015	X	X				X	X		X						
OK121500010040_00	Big Creek Cutoff Oxbow Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500010050_00	Big Creek	5.1	R	3	2015	X	X				X	X		X						

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OK121500010060_00	Verdigris River	10.8	R	2	2010	X	X				F	X		X		F				
OK121500010070_00	Chouteau Lake	1.0	L	3	2008	X	X				X	X		X						
OK121500010080_00	Vans Creek	1.5	R	3	2015	X	X				X	X		X						
OK121500010090_00	Vans Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500010100_00	Coal Creek	10.0	R	3	2015	X	X				X	X		X		X				
OK121500010120_00	Coal Creek Cutoff # 1 Oxbow Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500010130_00	Coal Creek Cutoff # 2 Oxbow Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500010140_00	Tullahassee Creek Cutoff Oxbow Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500010150_00	Tullahassee Creek	4.4	R	3	2015	X	X				X	X		X						
OK121500010160_00	Strawberry Creek Cutoff Oxbow Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500010170_00	Strawberry Creek	4.1	R	3	2015	X	X		X			X			X					
OK121500010180_00	Billy Creek Cutoff Oxbow Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500010190_00	Billy Creek	10.2	R	3	2015	X	X				X	X		X						
OK121500010200_00	**Verdigris River**	**6.1**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		**N**		F				
OK121500010220_00	Afton Landing Cutoff Oxbow Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500010230_00	Verdigris Cutoff # 1a Oxbow Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500010240_00	Verdigris Cutoff # 1b Oxbow Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500010250_00	Gar Creek	9.4	R	3	2015	X	X				X	X		X						
OK121500010260_00	Fife Creek	9.0	R	3	2015	X	X				X	X		X						
OK121500010270_00	Coal Creek	16.1	R	3	2015	X	X				X	X		X		X				
OK121500010280_00	Okay Creek!	2.6	R	3	2015	X	X				X	X		X						
OK121500020010_00	Verdigris River	5.7	R	2	2010	X	X				F	X		X		F				
OK121500020030_00	Osage Mound Cutoff	1.0	L	3	2016	X	X				X	X		X						
OK121500020050_00	Flagg Lake	1.0	L	3	2016	X	X				X	X		X						

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OK121500020070_00	Legas Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500020080_00	Bull Creek Cutoff Oxbow Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500020090_00	**Bull Creek**	**17.6**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**						
OK121500020100_00	**Pea Creek**	**10.2**	**R**	**5a**	**TMDL**	I	X				I	X		**N**						
OK121500020110_00	Inola Creek	13.8	R	**4a**	2015	X	X				X	X		X						
OK121500020120_00	Verdigris River	2.5	R	3	2010	X	X				X	X		X		X				
OK121500020130_00	Newt Graham Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500020150_00	**Adams Creek**	**18.0**	**R**	**5a**	**TMDL**	I	I				**N**	X		**N**		X				
OK121500020160_00	Snake Den Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500020170_00	Long Creek	3.1	R	3	2015	X	X				X	X		X						
OK121500020190_00	Runaround Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500020200_00	Long Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500020210_00	Pecan Slough	1.8	R	3	2015	X	X				X	X		X						
OK121500020220_00	Commodore Creek Cutoff Oxbow Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500020230_00	Commodore Creek	4.6	R	3	2015	X	X				X	X		X						
OK121500020240_00	Big Bottom Cutoff # 1 (33.10) Oxbow l	1.0	L	3	2016	X	X				X	X		X						
OK121500020250_00	Big Bottom Cutoff # 2 (33.50) Oxbow l	1.0	L	3	2016	X	X				X	X		X						
OK121500020260_00	**Verdigris River**	**23.2**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		**N**		I				
OK121500020270_00	Salt Creek	7.6	R	3	2015	X	X				X	X			X					
OK121500020280_00	Fin & Feather Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500020290_00	Highway 33 Cutoff (37.05) Oxbow Lak	1.0	L	3	2016	X	X				X	X		X						
OK121500020300_00	Big Flag Creek Cutoff (38.15) Oxbow l	1.0	L	3	2016	X	X				X	X		X						
OK121500020320_00	Big Flag Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500020330_00	Little Flag Lake	1.0	L	3	2016	X	X				X	X		X						

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OK121500020340_00	Horseshoe Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500020350_00	Dog Creek Cutoff Oxbow Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500020360_00	**Dog Creek**	**10.1**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK121500020370_00	Otter Creek	8.3	R	3	2015	X	X				X	X		X						
OK121500020380_00	Panther Creek	13.5	R	3	2015	X	X				X	X		X						
OK121500020390_00	**Cat Creek**	**7.0**	**R**	**5a**	**TMDL**	I	**N**				**N**	X		**N**			F			
OK121500020410_00	Canyon Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500020420_00	Cutoff (44.66) Oxbow Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500020430_00	Mossy Creek	1.7	R	2	2015	X	X		X			X			X		F			
OK121500020440_00	Big Lake Creek	1.3	R	3	2015	X	X				X	X		X						
OK121500020450_00	Big Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500020460_00	Cutoff (46.95) Oxbow Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500020470_00	Spunky Creek Cutoff Oxbow Lake	1.0	L	3	2016	X	X				X	X		X						
OK121500020480_00	Spunky Creek	11.9	R	3	2015	I	I				I	X		X						
OK121500020490_00	Yonkipin Lake	33.0	L	3	2016	X	X				X	X		X						
OK121500030010_00	**Verdigris River**	**10.4**	**R**	**5a**	**TMDL**	I	F				F	F		**N**		I				
OK121500030010_10	Verdigris River	12.0	R	3	2015	X	X				X	X		X		X				
OK121500030030_00	Boggy Creek	4.1	R	3	2015	X	X				X	X		X						
OK121500030040_00	Honey Creek	3.7	R	3	2015	X	X				X	X		X						
OK121500030050_00	Keetonville Creek	3.4	R	3	2015	X	X		X			X			X					
OK121500030060_00	Sweetwater Creek	6.6	R	3	2015	X	X				X	X		X						
OK121500030070_00	Fourmile Creek	13.9	R	**4a**	2015	X	X				X	X		X						
OK121500040010_00	**Dog Creek**	**16.9**	**R**	**5a**	**TMDL**	I	I				**N**	X		I		I				*
OK121500040020_00	**Claremore Lake**	**470.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		F		**N**				*

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OK121500040030_00	Little Dog Creek	5.9	R	3	2015	X	X				X	X		X		X				*
OK121510010010_00	Verdigris River	6.1	R	2	2015	X	X				I	X	F	X		X				
OK121510010020_00	**Oologah Lake**	**29460.0**	**L**	**5a**	**TMDL**	F	F				**N**	X	F	I		I				
OK121510010030_00	Blue Creek	2.7	R	3	2015	X	X				X	X		X		X				
OK121510010040_00	**Spencer Creek**	**4.3**	**R**	**5a**	**TMDL**	I	**N**				I	X		X		I				*
OK121510010060_00	Chelsea Lake	50.0	L	3	2016	X	X				X	X		X		X				*
OK121510010070_00	Talala Creek	1.0	R	3	2015	X	X				X	X		X						
OK121510010080_00	Talala Creek, South Fork	10.4	R	3	2015	X	X				X	X		X						
OK121510010090_00	Talala Creek, North Fork	6.2	R	3	2015	X	X				X	X		X						
OK121510010110_00	**Campbell Creek**	**3.8**	**R**	**5a**	**TMDL**	I	**N**				I	X		X						
OK121510010120_00	**Plumb Creek**	**5.5**	**R**	**5a**	**TMDL**	I	**N**				I	X		X						
OK121510010130_00	**Lightning Creek**	**14.4**	**R**	**5a**	**TMDL**	I	**N**				I	X		**N**		I				
OK121510010140_00	**Panther Creek**	**7.0**	**R**	**5a**	**TMDL**	I	**N**				I	X		X						
OK121510010150_00	Madden Creek	8.2	R	3	2015	X	X				X	X		X						
OK121510010160_00	Double Creek	1.0	R	3	2015	X	X				X	X		X						
OK121510010170_00	Double Creek, South Fork	8.0	R	3	2015	X	X				X	X		X						
OK121510010180_00	Double Creek, North Fork	8.1	R	3	2015	X	X				X	X		X						
OK121510010190_00	Salt Creek	16.3	R	3	2015	X	X				X	X		X		X				
OK121510010200_00	Kentucky Creek	4.3	R	3	2015	X	X				X	X		X						
OK121510010210_00	Little Salt Creek	6.5	R	3	2015	X	X				X	X		X						
OK121510010220_00	Western Branch	4.3	R	2	2010	I	F				I	X		X		X				
OK121510010230_00	Riley Lake	1.0	L	3	2016	X	X				X	X		X						
OK121510010240_00	Winganon Creek	2.4	R	2	2010	I	F				I	X		X						
OK121510020010_00	**Verdigris River**	**37.4**	**R**	**5a**	**TMDL**	I	F				**N**	**N**	F	**N**		I				

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OK121510020030_00	Riley Creek	3.8	R	3	2015	X	X				X	X		X						
OK121510020050_00	**California Creek**	**25.4**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**		I				
OK121510020060_00	Delaware Creek	4.1	R	2	2015	X	X		X			X			X		F			
OK121510020070_00	Morman Creek	9.2	R	3	2015	X	X				X	X		X						
OK121510020080_00	Wolf Creek	4.0	R	3	2015	X	X				X	X		X						
OK121510020090_00	Wolf Creek, South Fork	3.3	R	3	2015	X	X				X	X		X						
OK121510020100_00	Wolf Creek, North Fork	4.2	R	3	2015	X	X				X	X		X						
OK121510020110_00	Little California Creek	6.7	R	3	2015	X	X				X	X		X						
OK121510020120_00	Steamboat Creek	2.7	R	3	2015	X	X				X	X		X						
OK121510020130_00	Cedar Creek	9.2	R	3	2015	X	X				X	X		X						
OK121510020140_00	Fool Creek	1.9	R	3	2015	X	X				X	X		X						
OK121510020150_00	Tucker Creek	5.9	R	3	2015	X	X				X	X		X						
OK121510020170_00	Lenapah Creek	4.9	R	3	2015	X	X				X	X		X						
OK121510020180_00	Goose Neck Creek, East	4.7	R	3	2015	X	X				X	X		X						
OK121510020200_00	Goose Neck Lake	1.0	L	3	2016	X	X				X	X		X						
OK121510020220_00	Taylor Lake	1.0	L	3	2016	X	X				X	X		X						
OK121510020230_00	Goose Neck Creek, West	3.6	R	3	2015	X	X				X	X		X						
OK121510020240_00	Hickory Creek	7.7	R	3	2015	X	X				X	X		X						
OK121510020250_00	Snow Creek	7.3	R	2	2010	I	F				F	X		I		I				
OK121510020260_00	Crow Hollow Creek	6.1	R	3	2015	X	X				X	X		X						
OK121510020270_00	Rock Creek (Ross)	7.4	R	3	2015	X	X				X	X		X						
OK121510020280_00	Melton Lake	1.0	L	3	2016	X	X				X	X		X						
OK121510020290_00	Opossum Creek	15.7	R	3	2015	X	X				X	X		X						
OK121510020300_00	Noxie Creek	5.4	R	3	2015	X	X				X	X		X						

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OK121510020310_00	Vinegar Creek	4.5	R	3	2015	X	X				X	X		X						
OK121510020330_00	Chouteau Lake	1.0	L	3	2016	X	X				X	X		X						
OK121510020340_00	Onion Creek	1.0	R	3	2015	X	X				X	X		X		X				
OK121510030010_00	**Big Creek**	**34.7**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**		I				
OK121510030020_00	Childers Creek	2.4	R	3	2015	X	X				X	X		X						
OK121510030030_00	Rogers Mound Creek	2.7	R	3	2015	X	X				X	X		X						
OK121510030040_00	Coal Creek	4.6	R	3	2015	X	X				X	X		X						
OK121510030050_00	Looney Branch	5.5	R	3	2015	X	X				X	X		X						
OK121510030060_00	Blue Canyon Creek	4.5	R	3	2015	X	X				X	X		X						
OK121510030070_00	Notch Mound Creek	5.3	R	3	2015	X	X				X	X		X						
OK121510030080_00	Clear Creek	6.5	R	3	2015	X	X				X	X		X						
OK121510030090_00	Brush Creek	14.6	R	3	2015	X	X				X	X		X						
OK121510030100_00	Big Creek, East Fork	9.6	R	3	2015	X	X				X	X		X						
OK121510030110_00	Boggs Creek (Boggs Branch)	6.3	R	3	2015	X	X				X	X		X						
OK121510030120_00	Bethel Creek	2.7	R	3	2015	X	X				X	X		X						
OK121510030130_00	Labette Creek	5.8	R	3	2015	X	X				X	X		X						
OK121510030140_00	Little Labette Creek	3.7	R	3	2015	X	X				X	X		X						
OK121600010010_00	**Neosho River**	**1.0**	**R**	**5a**	**TMDL**	I	X				I	I		**N**		X				
OK121600010020_00	Dry Branch	4.8	R	3	2015	X	X				X	X		X						
OK121600010030_00	Flower Creek	5.7	R	3	2015	X	X				X	X		X						
OK121600010040_00	Neosho River	7.3	R	3	2015	I	X				I	X		X		X				
OK121600010050_00	**Fort Gibson Lake**	**7450.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		I		I				
OK121600010060_00	**Ranger Creek**	**7.9**	**R**	**5a**	**TMDL**	F	F				F	X		**N**		X				
OK121600010070_00	Rattlesnake Branch	4.6	R	3	2015	X	X				X	X		X						

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OK121600010080_00	Pecan Creek	9.2	R	3	2015	X	X				X	X		X						
OK121600010090_00	Double Springs Creek	15.5	R	3	2015	X	X				X	X		X						
OK121600010100_00	Fourteenmile Creek	25.5	R	1	2010	F	F	F				F		F		F		*		
OK121600010110_00	Wolf Hollow Creek	2.5	R	3	2015	X	X				X	X		X						
OK121600010120_00	Lost City Creek	1.2	R	3	2015	X	X				X	X		X						
OK121600010130_00	Black Bird Creek	10.3	R	3	2015	X	X	X				X		X		X				
OK121600010140_00	Money Bean Hollow Creek	2.0	R	3	2015	X	X				X	X		X						
OK121600010160_00	Hickory Creek	3.7	R	3	2015	X	X				X	X		X						
OK121600010200_00	**Fort Gibson Lake, Upper**	**7450.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		I		I				
OK121600010210_00	Clear Creek	12.6	R	3	2015	I	I	I				X		X		X				
OK121600010220_00	Little Clear Creek	8.2	R	3	2015	X	X				X	X		X						
OK121600010230_00	Jane Dennis Creek	3.6	R	3	2015	X	X				X	X		X						
OK121600010250_00	Flat Rock Creek	8.6	R	3	2015	X	X				X	X		X						
OK121600010260_00	Cat Creek	4.5	R	3	2015	X	X				X	X		X						
OK121600010270_00	Big Hollow Creek	2.9	R	3	2015	X	X				X	X		X						
OK121600010280_00	**Neosho River**	**14.3**	**R**	**5a**	**TMDL**	I	F				**N**	F		F		I				
OK121600010290_00	Spring Creek	39.7	R	1	2010	F	F	F				F		F		F		*		
OK121600010300_00	Pipe Springs Branch (Davis Hollow Cree	7.0	R	3	2015	X	X				X	X		X						
OK121600010310_00	Hogskin Hollow Creek	1.6	R	3	2015	X	X				X	X		X						
OK121600010320_00	Ballou Branch	3.0	R	3	2015	X	X				X	X		X						
OK121600010330_00	Snake Creek	15.2	R	3	2015	X	X	X				X		X				*		
OK121600010340_00	Little Spring Creek	4.3	R	3	2015	X	X	X				X		X		X		*		
OK121600010350_00	Bryant Creek	5.4	R	3	2015	X	X				X	X		X						
OK121600010360_00	Blacksmith Hollow Creek	5.0	R	3	2015	X	X				X	X		X						

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OK121600010370_00	Dry Hollow Creek	2.5	R	3	2015	X	X				X	X		X						
OK121600010380_00	Yokum Hollow Creek	2.1	R	3	2015	X	X				X	X		X						
OK121600010390_00	Double Spring Creek	8.1	R	3	2015	X	X	X				X		X		X				
OK121600010400_00	Lowrey Creek	5.1	R	3	2015	X	X				X	X		X						
OK121600010410_00	Twin Oaks Creek	5.2	R	3	2015	X	X				X	X		X						
OK121600010420_00	Brush Creek	9.7	R	3	2015	X	X				X	X		X						
OK121600010430_00	**Chouteau Creek**	**22.3**	**R**	**5a**	**TMDL**	I	F				**N**	X		**N**		I				
OK121600010440_00	**Crutchfield Branch**	**5.1**	**R**	**5a**	**TMDL**	I	X				I	X		**N**						
OK121600010450_00	Chapel Branch	4.3	R	3	2015	X	X				X	X		X						
OK121600020010_00	Neosho River	1.3	R	3	2015	X	X				I	X		X		X				
OK121600020020_00	**Hudson Lake, Lower**	**5450.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F		I				
OK121600020030_10	Saline Creek	28.1	R	1	2010	F	F	F				F		F		F				
OK121600020040_00	Chimney Rock Lake Creek	0.2	R	3	2015	X	X				X	X		X						
OK121600020050_00	**Chimney Rock Lake (WR Holway)**	**712.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F						
OK121600020060_00	Wickliffe Creek	9.3	R	3	2015	X	X				X	X		X						
OK121600020070_00	**Little Saline Creek**	**10.5**	**R**	**5a**	**TMDL**	F	I	I				X		**N**		I				
OK121600020080_00	Spade Hollow Creek	6.9	R	3	2015	X	X	X				X		X		X				
OK121600020090_00	Proctor Hollow Creek	6.3	R	3	2015	X	X				X	X		X						
OK121600020100_00	Ben Smith Hollow Creek	2.2	R	3	2015	X	X				X	X		X						
OK121600020110_00	Big Acorn Hollow Creek	2.3	R	3	2015	X	X				X	X		X						
OK121600020120_00	Wolf Creek	6.0	R	3	2015	X	X				X	X		X						
OK121600020140_00	Hudson Lake, Upper	5450.0	L	2	2008	F	F				I	X		F		I				
OK121600020150_00	Spavinaw Creek	1.7	R	3	2015	X	X	X				X		X		X				*
OK121600020160_00	Benge Branch	3.8	R	3	2015	X	X				X	X		X						

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OK121600020170_00	**Neosho River**	**10.9**	**R**	**5a**	**TMDL**	I	F				**N**	I		F		I				
OK121600020180_00	Rock Creek	12.8	R	3	2015	X	X				X	X		X		X				
OK121600020190_00	Big Cabin Creek	1.9	R	3	2015	X	X				X	X		X		X				
OK121600020200_00	Summerfield Creek	10.4	R	3	2015	X	X				X	X		X						
OK121600020210_00	Round Spring Hollow Creek	5.5	R	3	2015	X	X				X	X		X						
OK121600030020_00	**Grand Lake O' the Cherokees, Lower**	**15500.0**	**L**	**5a**	**TMDL**	F	I				**N**	X		I		I				
OK121600030030_00	**Grand Lake O' the Cherokees, Middle**	**15500.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		I		I				
OK121600030040_00	**Grand Lake O' The Cherokees, Upper**	**15500.0**	**L**	**5a**	**TMDL**	F	I				**N**	X		I		I				
OK121600030070_00	Duck Creek	5.2	R	3	2015	X	X				X	X		X						
OK121600030090_00	**Drowning Creek**	**8.6**	**R**	**5a**	**TMDL**	F	F	F				X		**N**		I				
OK121600030100_00	Woods Springs Branch	4.0	R	3	2015	X	X				X	X		X						
OK121600030110_00	Muskrat Hollow Creek	5.2	R	3	2015	X	X				X	X		X						
OK121600030120_00	Jay Creek	4.0	R	3	2015	X	X				X	X		X						
OK121600030130_00	Sweetwater Hollow Creek	2.4	R	3	2015	X	X				X	X		X						
OK121600030160_00	**Horse Creek**	**10.1**	**R**	**5a**	**TMDL**	I	**N**				**N**	X		**N**			F			
OK121600030180_00	**Fly Creek**	**3.4**	**R**	**5a**	**TMDL**	F	F				I	X		**N**						
OK121600030190_00	**Little Horse Creek**	**6.5**	**R**	**5a**	**TMDL**	I	F				**N**	X		**N**						
OK121600030200_00	Oseuma Creek	4.3	R	3	2015	X	X				X	X		X						
OK121600030230_00	Woodward Hollow Creek	3.8	R	3	2015	X	X				X	X		X						
OK121600030250_00	Courthouse Hollow Creek	2.0	R	3	2015	X	X				X	X		X						
OK121600030295_00	Scraper Creek!	4.6	R	3	2015	X	X				X	X		X						
OK121600030310_00	Elm Creek	6.2	R	3	2015	X	X	X				X		X		X				
OK121600030320_00	Whitewater Creek	14.7	R	2	2010	I	F	F				X		I		I				
OK121600030330_00	Snail Creek	3.9	R	3	2015	X	X				X	X		X						

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OK121600030340_00	**Cave Springs Branch**	**4.5**	**R**	**5a**	**TMDL**	I	**N**	I				X		**N**		I		*		
OK121600030390_00	Wolf Creek	7.1	R	3	2015	X	X				X	X		X						
OK121600030410_00	Spring Branch	3.0	R	3	2015	X	X				X	X		X						
OK121600030420_00	Hickory Creek	4.3	R	3	2015	X	X				X	X		X						
OK121600030440_00	Elk River	3.3	R	2	2015	I	F	I				F		F		I				
OK121600030445_00	**Honey Creek**	**4.9**	**R**	**5a**	**TMDL**	I	F	F				F		**N**		I		*		
OK121600030445_10	Honey Creek	4.6	R	2	2010	I	I	F				X		I		X		*		
OK121600030460_00	Carr Branch	5.0	R	3	2015	X	X				X	X		X						
OK121600030470_00	Buffalo Creek	2.5	R	3	2015	I	I				X	X		X						
OK121600030490_00	Council Hollow Creek	5.2	R	3	2015	X	X	X				X		X		X				
OK121600030510_00	**Sycamore Creek**	**7.4**	**R**	**5a**	**TMDL**	I	F	F				X		**N**		I				
OK121600030520_00	Brush Creek	6.6	R	3	2015	I	I	I				X		X		X				
OK121600030530_00	Roark Creek	2.4	R	3	2015	X	X				X	X		X						
OK121600030540_00	Mason Springs Valley Creek	1.5	R	3	2015	X	X				X	X		X						
OK121600030550_00	Ogeechee Creek	3.7	R	3	2015	X	X				X	X		X						
OK121600030560_00	**Lost Creek**	**10.2**	**R**	**5a**	**TMDL**	F	F	F				X		**N**		I				
OK121600030570_00	Modoc Valley Creek	5.5	R	3	2015	X	X				X	X		X						
OK121600040010_00	**Neosho River**	**16.6**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		F		I				
OK121600040040_00	**Hudson Creek**	**8.3**	**R**	**5a**	**TMDL**	F	F				**N**	X		I						
OK121600040043_00	Flanders Creek	4.2	R	3	2010	X	X				X	X		X						
OK121600040050_00	Little Elm Creek	6.9	R	3	2015	I	I				I	X		X						
OK121600040060_00	**Tar Creek**	**11.7**	**R**	**5a**	**TMDL**				**N**			X			I					
OK121600040070_00	Miami Creek	3.4	R	3	2015	X	X				X	X		X						
OK121600040080_00	Garrett Creek	3.4	R	3	2015	X	X				X	X		X						

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OK121600040090_00	Quapaw Creek	4.5	R	3	2015	X	X				X	X		X						
OK121600040100_00	Lytle Creek	4.2	R	**4a**	2015	X	X				X	X		X						
OK121600040110_00	Coal Creek	9.8	R	3	2015	X	X				X	X		X						
OK121600040120_00	Neosho River	3.4	R	3	2015	X	X				X	X		X						
OK121600040130_00	**Cow Creek**	**12.4**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**						
OK121600040140_00	Windy Creek	4.8	R	3	2015	X	X				X	X		X						
OK121600040150_00	Elm Creek	10.8	R	3	2015	X	X				X	X		X						
OK121600040160_00	Mud Creek	3.3	R	3	2015	X	X				X	X		X						
OK121600040170_00	**Fourmile Creek**	**7.1**	**R**	**5a**	**TMDL**	I	F				**N**	X		**N**						
OK121600040180_00	Squaw Creek	5.9	R	3	2015	X	X				X	X		X						
OK121600040190_00	Slow Creek	4.0	R	3	2015	X	X				X	X		X						
OK121600040200_00	**Russell Creek**	**11.5**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**						
OK121600040210_00	Elm Creek	5.4	R	3	2015	X	X				X	X		X						
OK121600040220_00	**Neosho River**	**14.0**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		F		I				
OK121600050020_00	**Spavinaw Lake**	**1584.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		F		**N**				*
OK121600050030_00	Chicken Hollow Creek	2.1	R	3	2015	X	X	X				X		X		X				*
OK121600050040_00	Black Hollow Creek	3.7	R	3	2015	X	X	X				X		X		X				*
OK121600050050_00	Groundhog Hollow Creek	2.5	R	3	2015	X	X	X				X		X		X				*
OK121600050060_00	Spavinaw Creek	4.0	R	3	2015	X	X	X				X		X		X				*
OK121600050070_00	**Eucha Lake (Upper Spavinaw)**	**2860.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		F		**N**				*
OK121600050080_00	Galcatcher Hollow Creek	1.5	R	3	2015	X	X	X				X		X		X				*
OK121600050090_00	Soldier Hollow Creek	1.3	R	3	2015	X	X	X				X		X		X				*
OK121600050100_00	Rattlesnake Creek	4.4	R	3	2015	X	X	X				X		X		X				*
OK121600050110_00	Runaway Hollow Creek	1.7	R	2	2010	I	F	F				X		I		I				*

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OK121600050120_00	Dry Creek	8.3	R	3	2015	X	X	X				X		X		X				*
OK121600050130_00	Teesquatnee Hollow Creek	3.8	R	3	2015	X	X	X				X		X		X				*
OK121600050140_00	Brush Creek	16.5	R	3	2015	I	I	I				X		X		X		*		
OK121600050150_00	Spavinaw Creek	15.0	R	2	2010	F	I	F				X		F		I				*
OK121600050160_00	**Beaty Creek**	**12.4**	**R**	**5a**	**TMDL**	F	I	F				X		**N**		I		*		
OK121600050170_00	Town Creek	0.6	R	3	2015	X	X	X				X		X		X				*
OK121600050180_00	Cloud Creek	12.9	R	2	2015	I	I	F				X		F		X				*
OK121600050190_00	Beartoter Hollow Creek	3.5	R	3	2015	X	X	X				X		X		X				*
OK121600050200_00	Hog Eye Creek	5.8	R	3	2015	X	X	X				X		X		X				*
OK121600050210_00	Beamer Hollow Creek	3.0	R	3	2015	X	X	X				X		X		X				*
OK121600050220_00	Cherokee Creek	7.5	R	3	2015	X	X	X				X		X		X				*
OK121600050230_00	Coon Creek	0.3	R	3	2015	X	X	X				X		X		X				*
OK121600060010_00	**Big Cabin Creek**	**6.1**	**R**	**5a**	**TMDL**	I	F				**N**	I		I		I				
OK121600060020_00	Granny Branch	3.2	R	3	2015	X	X				X	X		X						
OK121600060030_00	Elm Creek	6.1	R	3	2015	X	X				X	X		X						
OK121600060040_00	Mustang Creek	8.8	R	3	2015	X	X				X	X		X						
OK121600060060_00	Big Cabin Creek	5.3	R	2	2010	I	F				I	I		F		I				
OK121600060060_10	**Big Cabin Creek**	**4.2**	**R**	**5a**	**TMDL**	I	**N**				**N**	**N**		**N**	X	**N**				
OK121600060070_00	White Oak Creek	14.2	R	3	2015	I	I				I	X		X						
OK121600060080_00	**Little Cabin Creek**	**32.3**	**R**	**5a**	**TMDL**	I	**N**				**N**	X		**N**						
OK121600060090_00	Locust Creek	11.4	R	3	2015	X	X				X	X		X						
OK121600060100_00	Success Creek	5.8	R	3	2015	X	X				X	X		X						
OK121600060110_00	Cornatzar Creek	3.6	R	3	2015	X	X				X	X		X						
OK121600060120_00	Shawnee Creek	7.4	R	3	2015	X	X				X	X		X						

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OK121600060130_00	Coal Creek	6.2	R	3	2015	X	X				X	X		X						
OK121600060140_00	Jones Creek	6.8	R	3	2015	X	X				X	X		X						
OK121600060150_00	Possum Branch	2.7	R	3	2015	X	X				X	X		X						
OK121600060160_00	Wolf Creek	7.6	R	3	2015	X	X				X	X		X						
OK121600060170_00	Crow Creek	6.1	R	3	2015	X	X				X	X		X						
OK121600060180_00	Bluejacket Creek	4.8	R	3	2015	X	X				X	X		X						
OK121600060190_00	Welch Creek	3.3	R	3	2015	X	X				X	X		X						
OK121600060200_00	**Bull Creek**	**10.8**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**						
OK121600060210_00	Kelso Creek	3.1	R	3	2015	X	X				X	X		X						
OK121600060220_00	**Big Cabin Creek**	**11.6**	**R**	**5a**	**TMDL**	I	**N**				F	X			F					
OK121600060230_00	Pecan Creek	9.6	R	3	2015	X	X				X	X		X						
OK121600060240_00	**Pawpaw Creek**	**18.4**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**						
OK121600060250_00	White Creek	8.5	R	3	2015	X	X				X	X		X						
OK121600060260_00	Thompson Creek	4.6	R	3	2015	X	X				X	X		X						
OK121600060270_00	Elm Creek	6.9	R	3	2015	X	X				X	X		X						
OK121600060280_00	Big Cabin Creek, West Fork	14.7	R	3	2015	X	X				X	X		X						
OK121600060290_00	Big Cabin Creek, Middle Fork	9.2	R	3	2015	I	I				I	X		X						
OK121600060300_00	Big Cabin Creek	3.8	R	3	2015	X	X				X	X			X					
OK121600060300_10	Big Cabin Creek	25.6	R	3	2010	X	I				I	I		X						
OK121600060310_00	Mill Creek	5.0	R	3	2015	X	X				X	X		X						
OK121600060320_00	Frazier Branch	5.9	R	3	2015	X	X				X	X		X						
OK121600060330_00	Whisky Branch	3.4	R	3	2015	X	X				X	X		X						
OK121600060340_00	McDonald Branch	4.9	R	3	2015	X	X				X	X		X						
OK121600060350_00	Deer Creek	6.2	R	3	2015	X	X				X	X		X						

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OK121600060360_00	Wolfe Creek	3.8	R	3	2015	X	X				X	X		X						
OK121600060370_00	Willow Creek	2.7	R	3	2015	X	X				X	X		X						
OK121600060380_00	Banzet Creek	4.5	R	3	2015	X	X				X	X		X						
OK121600070010_00	**Spring River**	**22.1**	**R**	**5a**	**TMDL**	I	F	**N**				**N**		**N**		I				
OK121600070020_00	Shawnee Branch	3.4	R	3	2015	X	X	X				X		X		X				
OK121600070030_00	Shawnee Lake	1.0	L	3	2016	X	X				X	X		X						
OK121600070040_00	Flint Branch	5.5	R	3	2015	X	X	X				X		X		X				
OK121600070050_00	Warren Branch	9.1	R	2	2010	I	F	F				X		I		I		*		
OK121600070060_00	Rock Creek	3.8	R	3	2015	X	X				X	X		X						
OK121600070070_00	Devil's Hollow Creek	3.5	R	3	2015	X	X	X				X		X		X				
OK121600070080_00	Elgin Creek	5.5	R	3	2015	X	X				X	X		X						
OK121600070090_00	Hockerville Creek	3.8	R	3	2015	X	X				X	X		X						
OK121600070100_00	Ontario Creek	3.5	R	3	2015	X	X				X	X		X						
OK121600070110_00	Fivemile Creek	5.8	R	1	2010	F	F	F				F		F		F				
OK121600070120_00	Little Fivemile Creek	4.2	R	2	2010	I	F				F	X		I						
OK121600070130_00	Rock Branch	0.4	R	3	2015	X	X				X	X		X						
OK121610000010_00	Pryor Creek	7.0	R	3	2015	X	X				X	X		X						
OK121610000020_00	Sulphur Creek	5.3	R	3	2015	X	X				X	X		X						
OK121610000040_00	Scarbow Lake	150.0	L	3	2016	X	X				X	X		X						
OK121610000050_00	Pryor Creek	3.9	R	3	2010	X	X				X	X		X						
OK121610000050_10	**Pryor Creek**	**5.0**	**R**	**5a**	**TMDL**	I	**N**				**N**	X		**N**		I				
OK121610000060_00	Midamerica Creek	4.2	R	3	2015	X	X				X	X		X						
OK121610000070_00	Seminole Creek	8.6	R	3	2015	X	X				X	X		X						
OK121610000080_00	Mud Creek	7.7	R	3	2015	X	X				X	X		X						

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OK121610000090_00	**Pryor Creek**	**2.4**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK121610000090_10	Pryor Creek	12.1	R	3	2015	X	X				X	X			X					
OK121610000100_00	Salt Branch	6.1	R	3	2015	X	X				X	X		X						
OK121610000120_00	Adair Creek	4.8	R	3	2015	X	X				X	X		X						
OK121610000130_00	Bitter Creek	5.9	R	3	2015	X	X				X	X		X						
OK121610000140_00	Osage Creek	5.3	R	3	2015	X	X				X	X		X						
OK121610000150_00	Pryor Creek, Upper	25.2	R	3	2015	X	X				I	X		X						
OK121610000160_00	Little Pryor Creek	12.4	R	3	2015	X	X				X	X		X						
OK121610000170_00	Diver Creek	4.9	R	3	2015	X	X				X	X		X						
OK121610000180_00	Chelsea Creek	0.8	R	3	2015	X	X				X	X		X						
OK121610000190_00	Chelsea Creek, East	4.6	R	3	2015	X	X				X	X		X						
OK121610000200_00	Chelsea Creek, West	4.2	R	3	2015	X	X				X	X		X						
OK121700010010_00	Illinois River	9.5	R	2	2017	I	I			I		X	F	I		X		*		
OK121700010020_00	Deep Branch	8.7	R	3	2017	X	X				X	X		X						
OK121700010030_00	Larue Branch	5.4	R	3	2017	X	X				X	X		X						
OK121700010040_00	Red Bird Smith Creek	8.5	R	3	2017	X	X				X	X		X						
OK121700010050_00	Pot Hollow	2.6	R	3	2017	X	X				X	X		X						
OK121700020020_00	**Tenkiller Ferry Lake**	**8440.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		F		**N**		*		
OK121700020030_00	Pine Creek	1.6	R	3	2017	X	X				X	X		X						
OK121700020040_00	Sawmill Hollow Creek	2.3	R	3	2017	X	X				X	X		X						
OK121700020050_00	Linder Bend Creek	1.3	R	3	2017	X	X				X	X		X						
OK121700020060_00	Salt Branch	1.1	R	3	2017	X	X				X	X		X						
OK121700020070_00	Burnt Cabin Creek	1.7	R	3	2017	X	X				X	X		X						
OK121700020080_00	Dogwood Creek	1.2	R	3	2017	X	X				X	X		X						

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OK121700020090_00	Cato Creek	4.3	R	3	2017	X	X				X	X		X						
OK121700020100_00	Snake Creek	2.7	R	3	2017	X	X				X	X		X						
OK121700020110_00	**Chicken Creek**	**3.5**	**R**	**5a**	**TMDL**	I	I				**N**	X		X						
OK121700020130_00	Terrapin Creek	6.6	R	3	2017	X	X				X	X		X						
OK121700020140_00	Sixshooter Creek / Branch	2.7	R	3	2017	X	X				X	X		X						
OK121700020150_00	Sismore Creek	2.9	R	3	2017	X	X				X	X		X						
OK121700020160_00	Pettit Creek	2.5	R	3	2017	X	X				X	X		X						
OK121700020170_00	Big Hollow Creek	1.1	R	3	2017	X	X				X	X		X						
OK121700020180_00	Elk Creek	8.5	R	3	2017	X	X				X	X		X						
OK121700020190_00	Dry Creek	8.8	R	3	2017	X	X				X	X		X						
OK121700020200_00	Cave Springs Creek (Bolin Hollow)	5.6	R	3	2017	X	X				X	X		X						
OK121700020220_00	**Tenkiller Ferry Lake, Illinois River Arm**	**5030.0**	**L**	**5a**	**TMDL**	I	I				**N**	X		F		I		*		
OK121700020240_00	Carters Creek	4.1	R	3	2017	X	X				X	X		X						
OK121700020250_00	Mining Camp Hollow Creek, South	4.0	R	3	2017	X	X				X	X		X						
OK121700020260_00	Dripping Spring Hollow Creek	4.5	R	3	2017	X	X				X	X		X						
OK121700020270_00	Park Hill Branch	6.9	R	3	2017	I	I				I	X		X						
OK121700020280_00	Manes Hollow Creek	2.6	R	3	2017	X	X				X	X		X						
OK121700020290_00	Ross Hollow Creek	1.3	R	3	2017	X	X				X	X		X						
OK121700020300_00	Illinois River	5.2	R	3	2017	X	X	X				X		X		X		*		
OK121700020310_00	Illinois River, Baron Fork	1.1	R	3	2017	I	I	X				X		X					*	
OK121700020320_00	Indian Meadows Creek	2.3	R	3	2017	X	X				X	X		X						
OK121700020330_00	Indian Meadows Lake	1.0	L	3	2016	X	X				X	X		X						
OK121700030010_00	**Illinois River**	**7.7**	**R**	**5a**	**TMDL**	**N**	F	I				F		**N**		I			*	
OK121700030020_00	Tahlequah Creek	1.8	R	3	2012	X	I	I				X		I		X			*	

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OK121700030030_00	Stick Ross Creek (Ross Branch)	4.5	R	3	2017	I	I				I	X		X						
OK121700030040_00	**Tahlequah Creek (Town Branch)**	**6.2**	**R**	**5a**	**TMDL**	X	I	I				X		**N**		X			*	
OK121700030050_00	Red Oak Hollow Creek	2.7	R	3	2017	X	X				X	X		X						
OK121700030060_00	Little Steely Hollow Creek	2.0	R	3	2017	X	X				X	X		X						
OK121700030070_00	Briggs Hollow Creek, North	1.9	R	3	2017	X	X				X	X		X						
OK121700030080_00	**Illinois River**	**31.7**	**R**	**5a**	**TMDL**	**N**	I	**N**				F		**N**		I			*	
OK121700030090_00	Pumpkin Hollow Creek	9.3	R	3	2017	X	X				X	X		X						
OK121700030100_00	Tully Hollow Creek (Burgen)	3.8	R	3	2017	X	X				X	X		X						
OK121700030110_00	Cedar Hollow Creek	3.6	R	3	2017	X	X				X	X		X						
OK121700030120_00	Steely Hollow Creek	3.1	R	3	2017	I	I				I	X		X						
OK121700030130_00	Combs Hollow Creek	2.5	R	3	2017	X	X				X	X		X						
OK121700030140_00	Telamay Hollow Creek	2.5	R	3	2017	I	I				I	X		X						
OK121700030150_00	Molly Field Hollow Creek	2.7	R	3	2017	X	X				X	X		X						
OK121700030160_00	Peavine Hollow Creek	3.4	R	3	2017	X	X				X	X		X						
OK121700030170_00	Dog Hollow Creek	4.1	R	3	2017	X	X				X	X		X						
OK121700030180_00	Scraper Hollow Creek	3.0	R	3	2017	X	X				X	X		X						
OK121700030190_00	Kirk Springs Hollow Creek	3.4	R	3	2017	X	X				X	X		X						
OK121700030200_00	Sawmill Hollow Creek	2.3	R	3	2017	X	X				X	X		X						
OK121700030210_00	Falls Branch	4.8	R	3	2017	X	X				X	X		X						
OK121700030220_00	Black Fox Hollow Creek	6.2	R	3	2017	X	X				X	X		X						
OK121700030230_00	Winset Hollow Creek	5.0	R	3	2017	X	X				X	X		X						
OK121700030240_00	Hasting Hollow Branch	2.5	R	3	2017	X	X				X	X		X						
OK121700030250_00	Fall Branch	5.2	R	3	2017	X	X				X	X		X						
OK121700030260_00	Luna Branch	5.1	R	3	2017	X		X				X		X						

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OK121700030270_00	Cherokee Mission Creek	2.5	R	3	2017	X	X				X	X		X						
OK121700030280_00	**Illinois River**	**15.7**	**R**	**5a**	**TMDL**	**N**	I	X				X		I		X			*	
OK121700030290_00	**Flint Creek**	**1.6**	**R**	**5a**	**TMDL**	**N**	F	**N**				X		I		X			*	
OK121700030300_00	Kill Hollow Creek	4.4	R	3	2017	X	X				X	X		X						
OK121700030310_00	Dripping Springs Branch	5.0	R	3	2017	X	X				X	X		X						
OK121700030320_00	Rock Branch	3.4	R	3	2017	X	X				X	X		X						
OK121700030330_00	Tate Parris Branch	3.7	R	3	2017	X	X				X	X		X						
OK121700030340_00	Beaver Creek (Indiangrave Hollow)	2.3	R	3	2017	X	X				X	X		X						
OK121700030350_00	**Illinois River**	**5.2**	**R**	**5a**	**TMDL**	**N**	F	**N**				F		**N**		I			*	
OK121700030360_00	Frances Lake	562.0	L	3	2016	X	X				X	X		X						
OK121700030370_00	**Ballard Creek**	**12.6**	**R**	**5a**	**TMDL**	F	F	F				X		**N**		X			*	
OK121700040010_00	**Caney Creek**	**20.9**	**R**	**5a**	**TMDL**	F	F	F				F		**N**		F				
OK121700040020_00	Negro Jake Hollow Creek	5.7	R	3	2017	X	X	X				X		X						
OK121700040030_00	Tailholt Creek	3.8	R	3	2017	X	X				X	X		X						
OK121700040040_00	Bidding Creek	6.4	R	3	2017	X	I				I	X		I						
OK121700040050_00	Spade Creek	5.2	R	3	2017	X	X				X	X		X						
OK121700040060_00	Spade Branch	3.8	R	3	2017	X	X				X	X		X						
OK121700040070_00	Smith Hollow Creek	4.2	R	3	2017	X	X				X	X		X						
OK121700040080_00	Goat Mountain Creek	3.6	R	3	2017	X	X				X	X		X						
OK121700040090_00	Mulberry Hollow Creek	3.6	R	3	2017	X	X				X	X		X						
OK121700050010_00	**Illinois River, Baron Fork**	**23.3**	**R**	**5a**	**TMDL**	**N**	F	F				F		**N**		I			*	
OK121700050030_00	Welling Creek	3.3	R	3	2017	X	X				X	X		X						
OK121700050040_00	Mining Camp Hollow Creek, North	2.7	R	3	2017	X		X				X		X						
OK121700050050_00	Willow Branch	2.2	R	3	2017	X	X				X	X		X						

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OK121700050052_00	Field Hollow Creek	3.0	R	3	2017	X	X				X	X		X						
OK121700050060_00	Briggs Hollow Creek, South	4.5	R	3	2017	X	X				X	X		X						
OK121700050070_00	Walltrip Branch	6.1	R	3	2017	X	X				X	X		X						
OK121700050080_00	Proctor Mountain Creek	3.7	R	3	2017	X	I				I	X		I						
OK121700050090_00	**Tyner Creek**	**14.9**	**R**	**5a**	**TMDL**	I	I	F				X		**N**		X			*	
OK121700050100_00	South Proctor Creek, West	3.5	R	3	2017	X	X				X	X		X						
OK121700050110_00	Dennison Hollow Creek	2.4	R	3	2017	X	X	X				X		X		X			*	
OK121700050111_00	South Proctor Creek, East	4.3	R	3	2017	X	X				X	X		X						
OK121700050120_00	**Peacheater Creek**	**10.3**	**R**	**5a**	**TMDL**	I	I	F				X		**N**		I			*	
OK121700050130_00	Scraper Hollow Creek	2.6	R	3	2012	I	I	X				X		X		X			*	
OK121700050140_00	England Hollow Creek	5.8	R	3	2017	X	X	X				X		X		X			*	
OK121700050150_00	Green Creek	7.0	R	3	2017	X	I	I				X		I		X			*	
OK121700050160_00	Westville Lake	1.0	L	3	2016	X	X				X	X		X						
OK121700050170_00	Illinois River, Baron Fork	3.1	R	3	2012	I	X	X				X		X					*	
OK121700050170_10	Illinois River, Baron Fork	7.3	R	3	2012	X	X	X				X		X		X			*	
OK121700050180_00	Shell Branch	7.6	R	**4a**	2012	I	I	I				X		X		X			*	
OK121700050190_00	Peavine Creek	7.7	R	3	2012	X	X	I			I	X		I						
OK121700050200_00	Evansville Creek	13.2	R	3	2017	X	X	X				X		X		X			*	
OK121700050210_00	West Branch	1.4	R	3	2012	X	X				X	X		X						
OK121700060010_00	**Flint Creek**	**7.8**	**R**	**5a**	**TMDL**	**N**	F	F				F		**N**		I			*	
OK121700060010_10	Flint Creek	3.5	R	3	2012	I	X	I				X		X		X			*	
OK121700060020_00	Fivemile Hollow Creek	5.0	R	3	2017	X	X				X	X		X						
OK121700060030_00	Calunchety Hollow Creek	3.7	R	3	2017	X	X				X	X		X						
OK121700060040_00	**Battle Creek (Battle Branch)**	**5.4**	**R**	**5a**	**TMDL**	F	F				F	X		**N**						

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OK121700060050_00	Blue Spring Branch	2.0	R	3	2017	X	X				X	X		X						
OK121700060060_00	Hazelnut Hollow Creek	2.0	R	3	2017	X	X				X	X		X						
OK121700060070_00	Crazy Creek (Glasby)	5.5	R	3	2017	X	X				X	X		X						
OK121700060080_00	**Sager Creek**	**4.2**	**R**	**5a**	**TMDL**	I	F	F				F		**N**		**N**			*	
OK121700060100_00	Fagan Creek	2.8	R	3	2012	X	X	X				X		X		X			*	
OK220100010010_00	**Poteau River**	**23.9**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		**N**		I				
OK220100010010_05	Poteau River	3.4	R	3	2012	X	X				X	X		X		X				
OK220100010010_10	Poteau River	1.6	R	3	2012	X	X				X	X		X		X				
OK220100010010_20	Poteau River	9.2	R	3	2012	X	X				X	X		X		X				
OK220100010010_30	**Poteau River**	**2.2**	**R**	**5a**	**TMDL**	X	X				**N**	**N**		X		**N**				
OK220100010010_40	**Poteau River**	**21.4**	**R**	**5a**	**TMDL**	I	F				**N**	I		F		I				
OK220100010020_00	Cedar Creek	3.2	R	3	2012	X	X				X	X		X						
OK220100010030_00	Cedar Creek, Trib	1.5	R	3	2017	X	X				X	X		X						
OK220100010040_00	Holi-Tuska Creek	5.6	R	3	2012	X	X				X	X		X						
OK220100010050_00	**New Spiro Lake**	**254.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		F		**N**				*
OK220100010060_00	Coal Creek	6.8	R	3	2017	X	X				X	X		X						
OK220100010070_00	Poteau River, James Fork	16.9	R	3	2012	I	I				I	X		X		X				
OK220100010080_00	Poteau River, James Fork, Trib	4.0	R	3	2012	X	X				X	X		X						
OK220100010110_00	Rock Creek	7.1	R	3	2017	X	X				X	X		X						
OK220100010120_00	Riddle Creek	12.6	R	3	2017	X	X		X			X			X					
OK220100010130_00	Cameron Creek	4.1	R	3	2017	X	X		X			X			X					
OK220100010140_00	Polk Creek	5.3	R	3	2017	X	X				X	X		X						
OK220100010150_00	Town Creek	4.3	R	3	2017	X	X				X	X		X						
OK220100010160_00	Sugarloaf Creek	15.0	R	3	2017	I	I				I	X		X		X				

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OK220100010170_00	Morris Creek	13.6	R	3	2017	X	X				X	X		X						
OK220100010180_00	Caston Creek	14.4	R	3	2017	X	X				X	X		X		X				
OK220100010190_00	Mountain Creek	8.8	R	3	2017	X	X				X	X		X						
OK220100010200_00	Coal Creek	9.0	R	2	2017	X	X				X	X		X			F			
OK220100010210_00	Coal Creek, Trib	2.5	R	3	2017	X	X				X	X		X						
OK220100010220_00	Coal Creek, Trib	3.4	R	3	2017	X	X				X	X		X						
OK220100010230_00	Cameron Creek Tributary	1.7	R	3	2017	X	X				X	X		X						
OK220100020010_10	Poteau River	27.0	R	2	2012	I	F				I	F		F		I				
OK220100020020_00	**Wister Lake**	**7333.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		I		**N**				
OK220100020030_00	Poteau River, Black Fork	2.0	R	3	2012	I	I				I	X		X		X				
OK220100020040_00	**Poteau River, Black Fork**	**28.6**	**R**	**5a**	**TMDL**	I	F				**N**	X		I		I				
OK220100020050_00	Cedar Creek	7.0	R	3	2012	X	X				X	X		X		X				
OK220100020060_00	**Cedar Lake**	**78.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F		X				
OK220100020070_00	Shawnee Creek	7.8	R	3	2017	X	X				X	X		X		X				
OK220100020080_00	Big Creek	12.6	R	3	2017	X	X	X				X		X		X				
OK220100020090_00	Big Creek, Trib	6.0	R	2	2017	X	X				X	X		X		X	F			
OK220100020100_00	Oil Branch	5.4	R	3	2017	X	X				X	X		X		X				
OK220100020110_00	Oil Branch, Trib	4.3	R	3	2017	X	X				X	X		X		X				
OK220100030010_00	**Brazil Creek**	**17.8**	**R**	**5a**	**TMDL**	I	F				F	X		**N**		I				
OK220100030010_10	Brazil Creek	30.3	R	3	2017	I	X				X	X		X		X				
OK220100030020_00	Buck Creek	8.9	R	3	2017	X	X				X	X		X						
OK220100030030_00	Doe Creek	1.8	R	3	2017	X	X				X	X		X						
OK220100030040_00	Bokoshe Lake	21.0	L	3	2016	X	X				X	X		X						
OK220100030050_00	Owl Creek	11.8	R	3	2017	X	X				X	X		X						

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OK220100030060_00	Wolf Creek	6.3	R	3	2017	X	X				X	X		X						
OK220100030070_00	Wolf Creek, Trib	1.3	R	3	2017	X	X				X	X		X						
OK220100030080_00	Reese Lake	17.0	L	3	2016	X	X				X	X		X						
OK220100040010_00	Fourche Maline Creek	4.0	R	3	2012	I	I				I	X		X		I				
OK220100040020_00	**Fourche Maline Creek**	**36.9**	**R**	**5a**	**TMDL**	I	F				**N**	F		**N**		I				
OK220100040020_10	Fourche Maline Creek	21.4	R	3	2012	I	X				I	X		X		X				
OK220100040030_00	Holson Creek	17.4	R	2	2012	I	F				I	X		X		X				
OK220100040040_00	Long Creek	13.2	R	3	2012	I	I				I	X		X		X				
OK220100040050_00	**Red Oak Creek**	**11.0**	**R**	**5a**	**TMDL**	I	**N**				**N**	X		X		X				
OK220100040060_00	Pigeon Creek	6.2	R	3	2017	I	I				I	X		X		X				
OK220100040070_00	Little Fourche Maline Creek	13.7	R	3	2017	I	I				I	X		X		I				
OK220100040080_00	**Bandy Creek**	**12.4**	**R**	**5a**	**TMDL**	I	I				**N**	X		X		X				
OK220100040090_00	Bandy Creek, Trib	4.9	R	3	2017	X	X				X	X		X		X				*
OK220100040100_00	**Lloyd Church Lake (Wilburton City)**	**160.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F		X				*
OK220100040110_00	Fourche Maline Creek, Trib	2.0	R	3	2017	X	X				X	X		X		X				
OK220100040120_00	Coon Creek	3.1	R	3	2017	X	X				X	X		X		X				*
OK220100040130_00	Coon Creek Lake	32.0	L	3	2016	X	X				X	X		X		X				*
OK220100040140_00	Carlton Lake	52.0	L	3	2016	X	X				X	X		X						
OK220100040150_00	**Wayne Wallace Lake**	**94.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		F						
OK220100040160_00	Rough Canyon Creek	2.3	R	3	2012	X	X				X	X		X		X				
OK220100040170_00	Smooth Creek	0.7	R	3	2012	X	X				X	X		X		X				
OK220100040180_00	Coal Creek	10.5	R	3	2017	X	X				X	X		X		X				
OK220200010010_00	**Arkansas River**	**20.6**	**R**	**5a**	**TMDL**	I	**N**				F	F	F	F		X				
OK220200010020_00	Camp Creek	11.2	R	3	2017	X	X	X				X		X		X				

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OK220200010030_00	Big Skin Bayou	7.8	R	3	2017	I	I				I	X		X		X				
OK220200010030_10	Big Skin Bayou	18.5	R	3	2017	X	X				X	X		X		X				
OK220200010040_00	Little Skin Bayou	11.2	R	3	2017	X	X				X	X		X						
OK220200010060_00	Cache Creek	20.8	R	2	2012	I	F				I	X		X		I				
OK220200010070_00	Redbank Creek	4.7	R	3	2017	X	X				X	X		X						
OK220200010090_00	Coal Creek	13.2	R	3	2017	X	X				X	X		X						
OK220200010100_00	Onion Creek	11.2	R	3	2017	X	X		X			X			X					
OK220200020010_00	Arkansas River	8.5	R	2	2017	X	X				X	X	F	X		X				
OK220200020020_00	**Robert S. Kerr Lake**	**43380.0**	**L**	**5a**	**TMDL**	I	F				**N**	X	F	I		I				
OK220200020040_00	Little Sallisaw Creek	17.6	R	3	2017	I	I				I	X		X		X				
OK220200020050_00	Hog Creek	8.8	R	3	2017	X	X				X	X		X						
OK220200020055_00	Hog Creek Trib!	2.9	R	3	2017	X	X				X	X		X						
OK220200020070_00	Mule Creek	8.9	R	3	2017	X	X				X	X		X						
OK220200020090_00	Club Lake	1.0	L	3	2016	X	X				X	X		X						
OK220200020110_00	Lone Star Steel Lake	1.0	L	3	2016	X	X				X	X		X						
OK220200020120_00	Little Sans Bois Creek	9.8	R	3	2012	X	X				X	X		X						
OK220200020130_10	Vian Creek	21.4	R	3	2017	I	I	X				X		X		X				
OK220200020140_00	Little Vian Creek	12.8	R	3	2017	X	X	X				X		X		X				
OK220200020150_00	Pheasant Creek	5.0	R	3	2017	X	X				X	X		X						
OK220200030010_10	**Sallisaw Creek**	**9.0**	**R**	**5a**	**TMDL**	I	**N**	F				X		F		I		*		
OK220200030010_20	**Sallisaw Creek**	**13.3**	**R**	**5a**	**TMDL**	I	F	F				X		**N**		I		*		
OK220200030010_30	Sallisaw Creek	14.8	R	2	2012	X	F	I				X		I				*		
OK220200030020_00	Shiloh Branch	3.7	R	3	2017	X	X				X	X		X						
OK220200030030_00	Brushy Creek	13.2	R	3	2017	X	X	X				X		X		X				*

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OK220200030040_00	**Brushy Creek Lake**	**358.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		I		I				*
OK220200030050_00	Brushy Lake	227.0	L	3	2008	X	X				X	X		X		X				*
OK220200030060_00	Dry Creek	8.5	R	3	2017	X	X				X	X		X						
OK220200030070_00	Marble City Lake	1.0	L	3	2016	X	X				X	X		X						
OK220200030080_00	Greasy Creek	9.2	R	3	2017	X	X	X				X		X		X				
OK220200030100_00	Greasy Lake	1.0	L	3	2016	X	X				X	X		X						
OK220200030120_00	**Stilwell City Lake**	**188.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F						
OK220200040010_00	**Sans Bois Creek**	**6.1**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK220200040010_10	**Sans Bois Creek**	**10.8**	**R**	**5a**	**TMDL**	I	**N**				**N**	X		**N**		I				
OK220200040010_20	Sans Bois Creek	5.4	R	3	2012	X	X				X	X		X		X				
OK220200040010_30	Sans Bois Creek	7.1	R	3	2012	X	X				X	X		X		X				
OK220200040010_40	**Sans Bois Creek**	**27.8**	**R**	**5a**	**TMDL**	I	F				**N**	X		**N**		I				
OK220200040020_00	Pruit Valley Creek (John Wells (Stigler))	10.0	R	3	2012	X	X				X	X		X						
OK220200040030_00	**John Wells Lake (Stigler)**	**194.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F		I				*
OK220200040050_00	**Sans Bois Creek, Mountain Fork**	**13.6**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**						
OK220200040060_00	Beaver Creek	13.0	R	2	2012	X	X				X	X		X			F			
OK220200040080_00	Quinton City Lake	25.0	L	3	2016	X	X				X	X		X						
OK220200050010_00	**Lee Creek**	**1.9**	**R**	**5a**	**TMDL**	I	F	**N**				X		**N**		I		*		
OK220200050010_10	**Lee Creek**	**15.7**	**R**	**5a**	**TMDL**	**N**	F	**N**				X		I		X			*	
OK220200050020_00	Webber Creek	2.0	R	3	2012	X	X	X				X		X		X			*	
OK220200050030_00	Briar Creek (Bear)	5.8	R	3	2012	X	X	X				X		X		X			*	
OK220200050040_00	**Little Lee Creek**	**23.7**	**R**	**5a**	**TMDL**	**N**	F	I				X		**N**		I			*	
OK220200050050_00	Jenkins Creek	6.7	R	2	2012	I	I	F				X		X		X			*	
OK220200050060_00	Garrison Creek	3.0	R	3	2012	X	X				X	X		X						

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OK220200050060_10	Garrison Creek	4.2	R	3	2012	X	X				X	X		X						
OK220200050070_00	Roland Creek!	6.3	R	3	2012	X			X						X					
OK220300000010_00	Canadian River	25.7	R	2	2012	I	F				I	I	F	F		I				
OK220300000020_00	Taloka Creek	16.0	R	3	2012	X	X				X	X		X		X				
OK220300000030_00	Snake Creek	7.3	R	3	2012	X	X				X	X			X					
OK220300000040_00	Emachaya Creek	16.3	R	3	2012	X	X				X	X		X		X				
OK220600010020_00	**Eufaula Lake**	**17583.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		I		I				
OK220600010030_00	Brooken Creek	5.8	R	3	2012	X	X				X	X		X						
OK220600010040_00	Brooken Creek, Trib	2.3	R	3	2012	X	X				X	X		X						
OK220600010050_00	**Eufaula Lake, Canadian River Arm**	**17583.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		I		I				
OK220600010060_00	**Eufaula Lake, Longtown Creek Arm**	**17583.0**	**L**	**5a**	**TMDL**	I	I				**N**	X		I		I				
OK220600010070_10	**Longtown Creek**	**12.1**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		F				
OK220600010080_00	Lick Creek	2.4	R	3	2012	X	X				X	X		X						
OK220600010100_10	Mill Creek	3.3	R	3	2012	X	X				X	X		X		X				
OK220600010100_20	**Mill Creek**	**24.2**	**R**	**5a**	**TMDL**	I	F				**N**	X		**N**		I				
OK220600010110_00	Flat Rock Creek	6.4	R	3	2012	X	X				X	X		X						
OK220600010119_00	Canadian River	5.4	R	3	2012	X	X				X	X		X		X				
OK220600010119_10	**Canadian River**	**39.1**	**R**	**5a**	**TMDL**	I	**N**				**N**	**N**		**N**		I				
OK220600010120_00	Scipio Creek	20.3	R	3	2012	X	X				X	X		X						
OK220600010130_00	**Hay Creek**	**4.7**	**R**	**5c**	**TMDL**	**N**	**N**				**N**	X		X						
OK220600010140_00	Cindy Creek	7.0	R	2	2012	I	F				I	X		X						
OK220600010150_00	Pond Creek	5.6	R	2	2012	F	F				I	X		X						
OK220600010160_00	Gobbler Creek	7.8	R	3	2012	I	I				I	X		X		X				
OK220600010170_00	**Big Creek**	**11.0**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						

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OK220600010180_00	Leader Creek	6.3	R	3	2012	X					X	X		X						
OK220600020010_10	Coal Creek	9.8	R	3	2012	X	X				X	X		X		X				
OK220600020010_20	Coal Creek	33.2	R	3	2012	X	X				X	X		X		X				
OK220600020020_00	Bull Creek	7.7	R	3	2012	X	X				X	X		X		X				*
OK220600020030_00	**McAlester Lake**	**1521.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		I		I				*
OK220600020050_00	**Talawanda 2 Lake**	**195.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F						
OK220600020060_00	**Talawanda 1 Lake**	**91.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F						
OK220600020070_00	Big Wildhorse Creek	23.4	R	3	2012	X	X				X	X		X						
OK220600020080_00	Deer Creek	12.7	R	3	2012	X	X				X	X		X						
OK220600020090_00	Sandy Creek	5.7	R	3	2012	X	X				X	X			X					
OK220600020100_00	Coal Creek, Trib A!	2.0	R	3	2012	X	I				I	X		X						
OK220600030010_00	**Brushy Creek**	**3.0**	**R**	**5a**	**TMDL**	**N**	**N**				**N**	**N**		**N**		**N**				
OK220600030010_10	**Brushy Creek**	**25.0**	**R**	**5a**	**TMDL**	**N**	F				**N**	I		**N**		**N**				
OK220600030010_20	Brushy Creek	11.3	R	3	2012	I	X				X	X		X		X				
OK220600030020_00	**Blue Creek**	**10.7**	**R**	**5a**	**TMDL**	I	X				I	X		**N**		X				
OK220600030025_00	Blue Creek, Hartshorne Trib!	1.7	R	3	2012	X	X				X	X		X						
OK220600030040_00	Hartshorne Lake	83.0	L	3	2016	X	X				X	X		X						
OK220600030050_00	**Peaceable Creek**	**17.1**	**R**	**5a**	**TMDL**	F	F				**N**	I		**N**		I				
OK220600030050_10	Peaceable Creek	5.6	R	3	2012	X	X				X	X		X		X				
OK220600030050_20	Peaceable Creek	6.4	R	3	2012	X	X				X	X		X		X				
OK220600030060_00	Chun Creek	3.0	R	2	2012	X	X				X	X		X			F			
OK220600030060_10	Chun Creek	15.3	R	2	2012	X	X				X	X			X		F			
OK220600030080_00	**Bull Creek**	**3.3**	**R**	**5a**	**TMDL**	X	X				**N**	I		X						
OK220600030080_10	Bull Creek	6.9	R	3	2012	X	X				X	X		X		X				*

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OK220600030090_00	Brown Lake	139.0	L	3	2016	X	X				X	X		X		X				*
OK220600040010_00	**Gaines Creek**	**38.2**	**R**	**5a**	**TMDL**	**N**	F				**N**	X		**N**		**N**				
OK220600040020_00	Boiling Springs Creek	8.0	R	3	2012	X	X				X	X		X						
OK220600040030_00	**Beaver Creek**	**9.1**	**R**	**5a**	**TMDL**	**N**	F				**N**	X		**N**						
OK220600040040_00	**Pit Creek**	**7.7**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		X						
OK220600040050_00	Cedar Creek	5.1	R	3	2012	X	X				X	X		X		X				
OK220600040060_00	Buffalo Creek	15.0	R	3	2012	X	X				X	X		X						
OK220600050010_00	**Eufaula Lake, Gaines Creek Arm**	**17583.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		I		I				
OK220600050020_00	Gibson Creek	5.0	R	3	2012	X	X		X			X			X					
OK220600050030_00	Rock Creek	10.2	R	3	2012	X	X				X	X		X						
OK220600050040_00	Ash Creek	12.7	R	3	2012	X	X				X	X		X		X				
OK220600050050_00	Jones Creek	6.5	R	3	2012	X	X				X	X		X						
OK220600050060_00	Mud Creek	6.9	R	**4a**	2012	X	X				**N**	I		X		X				
OK220600050070_00	Buck Creek	4.0	R	3	2012	X	X				X	X		X						
OK310800010010_10	Washita River	26.0	R	3	2013	X	X				X	X		X		X				
OK310800010011_00	**Texoma Lake, Washita River Arm, Lov**	**17600.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		I		I				
OK310800010012_00	Rock Creek	8.1	R	3	2013	X	I				X	X		X						
OK310800010020_00	Glasses Creek	10.6	R	2	2013	I	F				I	X		I		I				
OK310800010030_00	Little Galsses Creek	6.3	R	3	2013	X	X				X	X		X						
OK310800010040_00	**Carter Lake**	**108.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F						
OK310800010050_00	**Texoma Lake, Washita River Arm, Upl**	**17600.0**	**L**	**5a**	**TMDL**	I	I				**N**	X		I		I				
OK310800010051_00	**Old Channel (of Washita)**	**4.6**	**R**	**5c**	**TMDL**	F	**N**				I	X		X		F				
OK310800010052_00	Kansas Creek	3.9	R	3	2013	X	X				X	X		X						
OK310800010060_00	Butcher Pen Creek	6.5	R	3	2013	X	X				X	X		X						

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OK310800010070_00	Polecat Creek	3.9	R	3	2013	X	X				X	X		X						
OK310800010080_00	Bell Creek	4.1	R	3	2013	X	X				X	X		X						
OK310800010090_00	**Big Sandy Creek**	**13.6**	**R**	**5a**	**TMDL**	F	F				**N**	X		I						
OK310800010100_00	Little Sandy Creek	10.2	R	3	2013	X	X				X	X		X						
OK310800010110_00	Buzzard Creek	9.5	R	3	2013	X	X				X	X		X						
OK310800010120_00	**Pennington Creek**	**33.8**	**R**	**5a**	**TMDL**	I	F	F			X	X		**N**		I		*		
OK310800010130_00	Cedar Creek	5.3	R	3	2013	X	X				X	X		X						
OK310800010140_00	Reagan Branch	4.1	R	3	2013	X	X				X	X		X						
OK310800010150_00	Keel Creek	2.6	R	3	2013	X	X				X	X		X						
OK310800010160_00	Spring Creek	11.2	R	3	2013	X	X				X	X		X						
OK310800010170_00	Rock Creek	17.1	R	3	2013	X	X				X	X		X						
OK310800010180_00	Sandy Creek	6.2	R	3	2013	X	X				X	X		X						
OK310800010190_00	Mill Creek	37.9	R	2	2013	I	F				I	X		I		I				
OK310800010200_00	Threemile Creek	4.3	R	3	2013	X	X				X	X		X						
OK310800010205_00	Tributary of Threemile Creek	0.9	R	3	2013	X	X		X			X			X					
OK310800010210_00	Turkey Creek	6.3	R	3	2013	X	X				X	X		X						
OK310800010220_00	Camp Creek	6.9	R	3	2013	X	X				X	X		X						
OK310800010230_00	Sycamore Creek	8.5	R	3	2013	X	X				X	X		X						
OK310800010240_00	Oil Creek	19.5	R	**4a**	2013	I	F				F	X		**N**		I				
OK310800010250_00	Bee Branch	4.6	R	3	2013	X	X				X	X		X						
OK310800020010_00	**Washita River**	**31.6**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		**N**		I				
OK310800020010_10	Washita River	16.7	R	3	2013	X	X				X	X		X		X				
OK310800020020_00	Wolf Creek	7.4	R	3	2013	X	X				X	X		X						
OK310800020040_00	**Sand Branch**	**6.2**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**						

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OK310800020050_00	Big Branch	12.4	R	3	2013	X	X				X	X		X						
OK310800020060_00	Cool Creek	9.6	R	3	2013	X	X				X	X		X						
OK310800020070_00	Board Hollow Creek	4.8	R	3	2013	X	X				X	X		X						
OK310800020080_00	Rock Creek	4.5	R	3	2013	X	X				X	X		X		X				*
OK310800020090_00	Rock Creek	4.6	R	3	2013	X	X				X	X		X		X				*
OK310800020100_00	**Arbuckle Lake (Lake of the Arbuckles)**	**2350.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		I		I				*
OK310800020120_00	Veterans Lake	64.0	L	3	2016	X	X				X	X		X						
OK310800020121_00	Travertine Creek	2.6	R	3	2013	X	X				X	X		X						
OK310800020122_00	Rock Creek	12.5	R	3	2013	I	X				I	X		X		X				*
OK310800020124_00	Cochran Creek	7.0	R	3	2013	X	X				X	X		X						
OK310800020130_00	Guy Sandy Creek	17.6	R	3	2013	I	I				I	X		X		I		*		
OK310800020140_00	Falls Creek	6.2	R	3	2013	X	X				X	X		X						
OK310800020150_00	Dry Sandy Creek	8.0	R	3	2013	X	X				X	X		X		X				
OK310800020160_00	Honey Creek	13.0	R	3	2013	X	X				X	X		X		X		*		
OK310800020170_00	Lick Creek	5.1	R	3	2013	X	X				X	X		X						
OK310800020180_00	Colbert Creek	12.0	R	3	2013	X	X				X	X		X						
OK310800020190_00	Chigley Sandy Creek	14.3	R	**4a**	2013	F	F				I	X		**N**		I				
OK310800020200_00	Chigley Sandy Creek, East Branch	6.7	R	3	2013	X	X				X	X		X		X				
OK310800020210_00	Chigley Sandy Creek, West Branch	5.2	R	3	2013	X	X				X	X		X						
OK310800030010_00	**Caddo Creek**	**44.1**	**R**	**5a**	**TMDL**	I	**N**				**N**	X		**N**		I				
OK310800030010_06	**Caddo Creek**	**16.8**	**R**	**5c**	**TMDL**	I	**N**				I	X		X		I				
OK310800030020_00	Sand Creek	7.9	R	**4a**	2013	X	X				X	X		X						
OK310800030030_00	Deadman Branch	6.0	R	3	2013	X	X				X	X		X						
OK310800030035_00	Caddo CreekTributary	2.4	R	3	2013				X						X					

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OK310800030040_00	Bullhead Creek	5.2	R	3	2013	X	X				X	X		X						
OK310800030050_00	Buzzard Creek	9.1	R	3	2013	X	X				X	X		X						
OK310800030070_00	**Ardmore City Lake (City)**	**142.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F						
OK310800030090_00	Ardmore Lake	122.0	L	3	2008	X	X				X	X		X						
OK310800030100_00	Rock Creek	1.3	R	3	2013	X	X				X	X		X		X				*
OK310800030110_00	Rock Creek	3.4	R	3	2013	X	X				X	X		X		X				*
OK310800030120_00	**Site # 18 Lake (Rock Creek)**	**248.0**	**L**	**5a**	**TMDL**	F	I				**N**	X		I		X				*
OK310800030130_00	Philips Creek	8.9	R	3	2013	X	X				X	X		X						
OK310800030140_00	**Jean Neustadt Lake**	**462.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F						
OK310800030150_00	Grindstone Creek	6.3	R	3	2013	X	X				X	X		X						
OK310800030160_00	Sullivan Creek	8.1	R	3	2013	X	X				X	X		X						
OK310800030170_00	Henry House Creek	15.7	R	3	2013	X	X				X	X		X						
OK310800030180_00	Red Branch	5.0	R	3	2013	X	X				X	X		X						
OK310800030190_00	Hickory Creek	8.0	R	3	2013	X	X				X	X		X		X				*
OK310800030200_00	Mountain Lake	210.0	L	3	2016	X	X				X	X		X		X				*
OK310800030210_00	Hickory Creek	4.7	R	3	2013	X	X				X	X		X		X				*
OK310800030220_00	Spring Creek	9.9	R	3	2013	X	X				X	X		X						
OK310800030230_00	Spring Creek, West	9.3	R	3	2013	X	X				X	X		X						
OK310800030240_00	Hug-me-Tight Branch	6.2	R	3	2013	X	X				X	X		X						
OK310800030250_00	Bear Creek	10.4	R	3	2013	I	I				I	X		X						
OK310800030260_00	**Russell Pretty Branch**	**5.2**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310800030265_00	**Briar Branch**	**3.9**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310800030270_00	Flag Branch	5.7	R	2	2013	I	F				I	X		X						
OK310800030280_00	**Pruitt Branch**	**5.0**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						

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OK310800030285_00	**Pruitt West Creek!**	**3.9**	**R**	**5a**	**TMDL**	I	**N**				I	X		X		X				
OK310800030290_00	**Russell Pretty Branch, Trib A!**	**1.0**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310800030300_00	Tar Branch	6.4	R	2	2013	I	F				I	X		X						
OK310800030310_00	**Caddo Creek Graham Branch!**	**3.3**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310800030320_00	Caddo Creek Graham Branch! Trib.!	1.0	R	3	2013	X	X				X	X		X						
OK310800030330_00	**Caddo Creek, Clemscott Branch!**	**3.0**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310800030340_00	**Briar Branch Trib.B!**	**1.2**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310800030350_00	**Briar Branch Trib.A!**	**1.4**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310800030360_00	**Caddo Creek, Fox Branch!**	**3.1**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310800030370_00	**Caddo Creek Trib.!**	**3.3**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310800030380_00	**Caddo Creek, North Branch**	**3.8**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310800030390_00	**Caddo Creek North Branch Trib!**	**1.5**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310800030400_00	Caddo Creek North Fork!	2.9	R	3	2013	I	I				I	X		X						
OK310800030410_00	**Caddo Creek North Fork Trib!**	**1.1**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810010010_00	**Washita River**	**21.1**	**R**	**5a**	**TMDL**	I	**N**				**N**	I		**N**		I				
OK310810010010_10	**Washita River**	**32.9**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		**N**		I				
OK310810010020_00	**Wildhorse Creek**	**9.0**	**R**	**5a**	**TMDL**	I	**N**				I	X		F		I				
OK310810010030_00	Whiskey Creek	3.9	R	3	2013	I	I				I	X		X						
OK310810010040_00	Garrison Creek	9.2	R	3	2013	X	X				X	X		X						
OK310810010050_00	**Kickapoo Sandy Creek**	**10.2**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK310810010060_00	Turkey Sandy Creek	7.1	R	3	2013	X	X				X	X		X						
OK310810010065_00	West Sandy Creek	1.4	R	3	2013	X	X				X	X		X						
OK310810010065_10	West Sandy Creek	6.0	R	3	2013	X	X		X			X			X					
OK310810010070_00	Red Branch	7.1	R	3	2013	I	I				I	X			X	I				

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OK310810010080_00	Negro Sandy Creek	7.5	R	3	2013	I	I				I	X		X						
OK310810010090_00	Rush Creek	3.8	R	2	2013	I	F		I			X			X					
OK310810010090_10	**Rush Creek**	**10.3**	**R**	**5a**	**TMDL**	I	**N**		F			X			F					
OK310810010100_00	Cherokee Sandy Creek	16.3	R	3	2013	I	I				I	X		X		I				
OK310810010110_00	Wolf Creek	4.7	R	2	2013	I	F				I	X		X						
OK310810010120_00	Peavine Creek	3.8	R	3	2013	I	I				I	X		X		I				
OK310810010130_00	Peavine Creek, East	9.7	R	3	2013	X	X				X	X		X						
OK310810010150_00	Byars Lake	75.0	L	3	2016	X	X				X	X		X						
OK310810010160_00	Little Peavine Creek	6.8	R	3	2013	X	X				X	X		X						
OK310810010170_00	Washington Creek	0.6	R	3	2013	X	X				X	X		X		X				
OK310810010180_00	**Pauls Valley Lake**	**750.0**	**L**	**5a**	**TMDL**	**N**	**N**				**N**	X		I		I				*
OK310810010186_00	**RC Longmire Lake**	**918.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		I						
OK310810010190_00	**Washington Creek**	**6.5**	**R**	**5a**	**TMDL**	F	F				**N**	X		I		I				*
OK310810010200_00	Owl Creek	9.9	R	3	2013	X	X				X	X		X						
OK310810010205_00	Cheek Creek	5.0	R	3	2013	X	X				X	X		X						
OK310810010210_00	Gaddis Creek	8.1	R	3	2013	X	X				X	X		X						
OK310810010220_00	**Maysville Lake (Wiley Post)**	**302.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		I						
OK310810010230_00	Beef Creek	6.9	R	2	2013	X	X		X			X			X		F			
OK310810010240_00	Brady creek	13.1	R	3	2013	I	I				I	X		X						
OK310810010250_00	Gentle Horse Creek!	1.1	R	3	2013	X	X				I	X		X						
OK310810010260_00	Meandering Creek!	4.3	R	3	2013	X	X				X	X		X						
OK310810010270_00	**Rush Creek, Trib G!**	**4.0**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810010280_00	**Washita River Trib 14-1N-1E!**	**1.7**	**R**	**5a**	**TMDL**	X	**N**				X	X		X						
OK310810020010_00	**Washita River**	**63.2**	**R**	**5a**	**TMDL**	I	F				**N**	I		**N**		I				

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OK310810020020_00	**Finn Creek**	**14.2**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK310810020030_00	Turkey Creek	8.5	R	3	2013	X	X				X	X		X						
OK310810020040_00	Second Creek	6.3	R	3	2013	X	X				X	X		X						
OK310810020050_00	Criner Creek	11.8	R	2	2013	F	F				I	X		X		F				
OK310810020060_00	Wolf Creek	4.0	R	3	2013	X	X				X	X		X						
OK310810020070_00	Panther Creek	4.6	R	3	2013	I	I				I	X		X						
OK310810020080_00	Wildcat Creek	2.8	R	3	2013	X	X				X	X		X						
OK310810020090_00	Criner Creek, North	5.5	R	3	2013	X	X				X	X		X						
OK310810020100_00	Happy Hollow Creek	6.6	R	2	2013	I	F				I	X		X						
OK310810020110_00	Bear Creek	8.2	R	3	2013	X	X				X	X		X						
OK310810020120_00	Hybarger Creek	6.2	R	3	2013	X	X				X	X		X						
OK310810020130_00	Cavel Creek	5.7	R	3	2013	X	X				X	X		X						
OK310810020140_00	Rounds Creek	8.0	R	3	2013	X	X				X	X		X						
OK310810020150_00	Larimore Creek	6.5	R	3	2013	X	X				X	X		X						
OK310810020155_00	Sandy Creek	9.0	R	3	2013	X	X				X	X		X						
OK310810020160_00	Colbert Creek	8.6	R	3	2013	X	X				X	X		X		X				
OK310810020170_00	Roaring Creek	18.3	R	**4a**	2013	F	F				I	X		**N**		F				
OK310810020180_00	Roaring Creek, East	7.1	R	3	2013	I	I				I	X		X						
OK310810020190_00	Middle Roaring Creek	5.9	R	3	2013	X	X				X	X		X						
OK310810020200_00	Laflin Creek	12.6	R	**4a**	2013	F	F				I	X		**N**		F				
OK310810020210_00	Soldier Creek	4.3	R	3	2013	X	X				X	X		X						
OK310810020220_00	Winter Creek	12.4	R	2	2013	I	F				I	X		I		I				
OK310810020230_00	Dry Creek	8.9	R	3	2013	X	X				X	X		X						
OK310810020250_00	Golden Trend Creek	5.7	R	2	2013	F	F				I	X		X						

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OK310810020260_00	**Stealy Creek!**	**5.2**	**R**	**5a**	**TMDL**	I	**N**				I	X		X						
OK310810030010_00	**Wildhorse Creek**	**22.3**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**		I				
OK310810030020_00	Sandy Creek	16.1	R	3	2013	X	X				X	X		X		X				
OK310810030025_00	Squirrel Creek	8.3	R	3	2013	I	I				I	X		X						
OK310810030030_00	Fivemile Creek	7.2	R	3	2013	I	I				I	X		X						
OK310810030040_00	Rock Creek	9.3	R	3	2013	X	X				X	X		X		X				
OK310810030060_00	Elmore City Lake	69.0	L	3	2016	X	X				X	X		X						
OK310810030070_00	Eightmile Creek	10.5	R	3	2013	I	I				I	X		X						
OK310810030080_00	**Salt Creek**	**19.1**	**R**	**5a**	**TMDL**	F	**N**				F	X		**N**		I				
OK310810030084_00	Honey Creek	6.9	R	2	2013	I	F				I	X		X						
OK310810030090_00	Wildcat Creek	5.6	R	3	2013	X	X				X	X		X						
OK310810030100_00	Massey Creek	7.4	R	3	2013	X	X				X	X		X						
OK310810030110_00	Flat Creek	5.6	R	2	2013	I	F				I	X		X						
OK310810030120_00	Sandy Bear Creek	10.4	R	2	2013	I	F				I	X		X						
OK310810030130_00	**Countyline Creek**	**4.4**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810030135_00	Pernell School Creek!	2.1	R	2	2013	I	F				I	X		X						
OK310810030140_00	**N. Pernell Creek, North**	**3.3**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810030145_00	**Pernell Creek!**	**3.0**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810030150_00	Salt Creek, Eola Branch	3.7	R	2	2013	I	F				I	X		X						
OK310810030160_00	**Pernell Creek, Trib.B!**	**0.8**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810030170_00	Pernell Creek, Trib. A!	1.1	R	3	2013	I	I				I	X		X						
OK310810030180_00	**Sandy Bear Creek, West Fork!**	**5.5**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810030190_00	**Flat Creek Trib.!**	**2.3**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810030200_00	**South Tatums!**	**1.6**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						

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OK310810030210_00	**Ratliff East Creek!**	**4.4**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810030220_00	Ratliff East Creek! Trib!	2.2	R	2	2013	I	F				I	X		X						
OK310810030230_00	Ratliff West Creek!	3.7	R	3	2013	X	X				X	X		X						
OK310810030240_00	**Ratliff West Creek! Trib.!**	**1.0**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810030250_00	**Countyline Creek Trib.3!**	**1.2**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810030260_00	**Wildhorse Creek Trib.B!**	**3.3**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810030270_00	**Wildhorse Creek Trib. A!**	**2.1**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810040010_00	Wildhorse Creek	19.1	R	2	2013	I	F				I	X		X		I				
OK310810040015_00	**West County Line Creek**	**3.3**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810040020_00	**Panther Creek**	**5.4**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810040030_00	Black Bear Creek	12.3	R	2	2013	I	F				I	X		X		I				
OK310810040040_00	Black Bear Creek	5.8	R	3	2013	X	X				X	X		X		X				*
OK310810040050_00	**Fuqua Lake**	**1500.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F		I				*
OK310810040060_00	Bluff Creek	9.2	R	2	2013	I	F				I	X		X						
OK310810040070_00	Fitzpatrick Creek	1.1	R	3	2013	X	X				X	X		X		X				*
OK310810040080_00	**Duncan Lake**	**500.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F		I				*
OK310810040090_00	Fitzpatrick Creek	5.0	R	3	2013	X	X				X	X		X		X				*
OK310810040100_00	Dry Creek	7.9	R	3	2013	I	I				I	X		X						
OK310810040110_00	Clear Creek	3.1	R	3	2013	X	X				X	X		X		X				
OK310810040120_00	Clear Creek Lake (Chisholm)	722.0	L	2	2016	F	F				I	X		F		I				*
OK310810040130_00	Clear Creek	6.1	R	3	2013	X	X				X	X		X		X				*
OK310810040140_00	**Wildhorse Creek**	**11.1**	**R**	**5c**	**TMDL**	F	F				**N**	X		**N**		I				
OK310810040150_00	**Humphreys Lake**	**882.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F		**N**				*
OK310810040160_00	McCubbin Creek	6.0	R	3	2013	X	X				X	X		X		X				*

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OK310810040170_00	Owens Creek	5.2	R	2	2013	F	F				I	X		X						
OK310810040180_00	**West County Line Creek Trib.!**	**2.5**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810040190_00	Panther Creek E. Alma Branch!	2.4	R	3	2013	I	I				I	X		X						
OK310810040200_00	**Black Bear Trib 10!**	**2.7**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810040210_00	Black Bear Trib 27-1N-4W!	2.1	R	3	2013	I	I				I	X		X						
OK310810040220_00	Black Bear Trib 6 1N-4W	2.2	R	3	2013	I	I				I	X		X						
OK310810040230_00	**Northwest Alma Creek**	**1.9**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810040240_00	**Velma East Creek!**	**4.0**	**R**	**5b**	**TMDL**	I	**N**				I	X		X						
OK310810040250_00	**Velma Creek!**	**2.4**	**R**	**5b**	**TMDL**	I	**N**				I	X		X						
OK310810040260_00	**Velma Creek West Branch!**	**1.2**	**R**	**5b**	**TMDL**	I	**N**				I	X		X						
OK310810040270_00	**Passmore Cemetery Creek!**	**3.8**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810040280_00	**Passmore Cemetery Creek Trib B!**	**2.0**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810040290_00	**Wildhorse Creek Trib 10-1S-5W!**	**4.2**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810040300_00	Wildhorse Creek Trib 31-1N-5W!	1.3	R	3	2013	I	I				I	X		X						
OK310810050010_00	Rush Creek	58.4	R	2	2013	F	F				I	X		X						
OK310810050020_00	Panther Creek	4.9	R	2	2013	I	F				I	X		X						
OK310810050030_00	Coon Creek	3.9	R	3	2013	I	I				I	X		X						
OK310810050040_00	**Murray Creek**	**6.7**	**R**	**5b**	**TMDL**	I	**N**				I	X		X						
OK310810050050_00	Fourmile Creek	4.7	R	3	2013	I	I				I	X		X						
OK310810050060_00	**Taylor Lake (Marlow City)**	**227.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		F						
OK310810050080_00	Rush Creek, Trib A!	3.4	R	3	2013	I	I				I	X		X						
OK310810050090_00	Rush Creek, Trib B!	3.4	R	3	2013	I	I				I	X		X						
OK310810050100_00	Rush Creek, Trib C!	1.5	R	3	2013	I	I				I	X		X						
OK310810050110_00	**Rush Creek, Trib D!**	**0.7**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						

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Waterbody ID	Waterbody Name	Size (Lake Acres or Stream Miles)	Type	Category	Monitoring Date	Aesthetic	Agriculture	Cool Water Aquatic Comm	Habitat Limited Aquatic Comm	Trout Fishery	Warm Water Aquatic Comm	Fish Consumption	Navigation	Primary Body Contact Rec	Secondary Body Contact Rec	Public & Private Water Supply	Emergency Water Supply	High Quality Water	Outstanding Resource Water	Sensitive Water Supply
OK310810050120_00	**Rush Creek, Trib E!**	**3.4**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810050130_00	**Cox City!**	**3.2**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810050140_00	**West Cox City!**	**1.5**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK310810050160_00	Rush Creek, Trib F!	1.9	R	3	2013	I	I				I	X		X						
OK310820010010_00	Washita River	10.8	R	3	2013	X	X				I	I		X		I				
OK310820010010_10	Washita River	40.5	R	3	2013	I	I				I	I		X		I				
OK310820010030_00	Bitter Creek	6.0	R	**4a**	2013	F	F				I	X		**N**		I				
OK310820010040_00	Bitter Creek, East	10.7	R	3	2013	I	I				I	X		X		X				
OK310820010050_00	Spring Creek	6.3	R	3	2013	X	X				X	X		X						
OK310820010060_00	Bitter Creek, West	13.0	R	3	2013	I	I				I	X		X		X				
OK310820010070_00	Brushy Creek	11.8	R	3	2013	X	X				X	X		X						
OK310820010090_00	Shannon Springs Lake	40.0	L	3	2016	X	X				X	X		X						
OK310820010100_00	Line Creek	9.5	R	3	2013	I	I				I	X		X						
OK310820010110_00	Rock Hollow Creek	10.8	R	3	2013	X	X				X	X		X						
OK310820010120_00	Tony Hollow Creek	7.3	R	3	2013	X	X				X	X		X						
OK310820010130_00	Otter Creek	5.2	R	3	2013	X	X				X	X		X						
OK310820010140_00	Salt Creek	18.5	R	3	2013	I	I				I	X		X						
OK310820010150_00	Salt Creek, West Fork	12.5	R	3	2013	X	X				X	X		X						
OK310820010160_00	**Ionine Creek**	**6.5**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		I		I				
OK310820010170_00	**Jack Hollow Creek**	**4.9**	**R**	**5b**	**TMDL**	I	**N**				I	X		X		I				
OK310820010180_00	Jack Hollow Creek, East	6.4	R	3	2013	X	X				X	X		X						
OK310820010190_00	Jack Hollow Creek, West	6.9	R	3	2013	X	X				X	X		X						
OK310820010200_00	Ionine Creek, East	5.8	R	3	2013	I	X				I	X		X						
OK310820010210_00	Ionine Creek, West	8.6	R	3	2013	I	X				I	X		X						

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OK310820010220_00	County Line Creek	3.1	R	3	2013	X	X				X	X		X						
OK310820010230_00	Jack Hollow Creek, Trib A!	3.1	R	3	2013	I	I				I	X		X						
OK310820020010_00	**Little Washita River**	**37.0**	**R**	**5a**	**TMDL**	F	F				I	X		**N**		F				
OK310820020012_00	Patrick's Trib	1.5	R	3	2013	I	I				I	X		X						
OK310820020014_00	Erica's trib	4.4	R	3	2013	I	I				I	X		X						
OK310820020016_00	Alejandra's Trib	2.1	R	3	2013	I	I				I	X		X						
OK310820020020_00	Rock Creek	5.5	R	3	2013	I	I				I	X		X						
OK310820020030_00	Hog Creek	3.8	R	3	2013	X	X				X	X		X						
OK310820020040_00	Latheran Creek	6.7	R	3	2013	X	X				X	X		X						
OK310820020050_00	Bills Creek	1.9	R	3	2013	X	X				X	X		X						
OK310820020060_00	Bills Creek, East	7.3	R	2	2013	I	F				I	X		X						
OK310820020070_00	**Louis Burtschi Lake**	**180.0**	**L**	**5a**	**TMDL**	F	**N**				F	X		F						
OK310820020080_00	Bills Creek, West	6.5	R	2	2013	I	F				I	X		X						
OK310820020090_00	Little Rush Creek	5.4	R	2	2013	F	I				F	X		X						
OK310820020100_00	Charlie Creek	6.1	R	3	2013	I	I				I	X		X						
OK310820020110_00	**McCarty Creek**	**8.5**	**R**	**5b**	**TMDL**	F	**N**				I	X		X						
OK310820020120_00	Chetonia Creek	5.4	R	3	2013	I	I				I	X		X						
OK310820020140_00	**Allen's Lake**	**10.0**	**L**	**5a**	**TMDL**	X	**N**				X	X		X						
OK310820020150_00	Gladys Creek	2.1	R	3	2013	X	X		X			X			X					
OK310820020150_10	Gladys Creek	2.4	R	3	2013	X	X				X	X		X		X				
OK310830010010_00	**Washita River**	**20.7**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		**N**		F				
OK310830010010_10	Washita River	43.3	R	3	2013	X	I				I	I		X		I				
OK310830010030_00	**Delaware Creek**	**11.7**	**R**	**5a**	**TMDL**	F	**N**				I	X			F					
OK310830010050_00	Tonkawa Creek	13.7	R	3	2013	I	I				I	X		X						

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OK310830010060_00	Hog Creek	7.9	R	3	2013	I	I				I	X		X						
OK310830010070_00	Leaper Creek	2.9	R	3	2013	X	X				X	X		X						
OK310830010080_00	Public Service #3 Lake	575.0	L	3	2016	X	X				X	X		X						
OK310830010090_00	Deep Creek	7.5	R	3	2013	X	X				X	X		X						
OK310830010100_00	Two Hatchet Creek	4.8	R	3	2013	X	X				X	X		X						
OK310830010101_00	Dry Creek (Fast Runner)	7.3	R	3	2013	X	X				X	X		X						
OK310830010120_00	Punjo Creek	5.2	R	3	2013	X	X				X	X		X						
OK310830010130_00	Spring Creek	8.3	R	3	2013	X	X				X	X		X						
OK310830010140_00	Gokey Creek	10.6	R	3	2013	I	I				I	X		X						
OK310830010150_00	Cedar Creek	6.4	R	3	2013	X	X				X	X		X						
OK310830010160_00	Cedar Creek	10.6	R	3	2013	I	I				I	X		X						
OK310830020010_00	Washita River	29.7	R	2	2013	I	F				I	F		X		F				
OK310830020020_00	**Stinking Creek**	**18.4**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**		I				
OK310830020030_00	Saddle Mountain Creek	21.2	R	3	2013	I	I				I	X		X						
OK310830020040_00	Pecan Creek	14.5	R	3	2013	X	X				X	X		X						
OK310830020050_00	Cottonwood Creek	4.4	R	3	2013	X	X				X	X		X						
OK310830020055_00	Who Dat	1.6	R	3	2013	X	X				X	X		X						
OK310830020060_00	Rainy Mountain Creek	2.2	R	3	2013	I	I				I	X		X						
OK310830020060_10	**Rainy Mountain Creek**	**32.3**	**R**	**5a**	**TMDL**	F	**N**				**N**	X			F					
OK310830020070_00	Sugar Creek	19.4	R	3	2013	X	X				X	X		X						
OK310830020080_00	Longhorn Creek	11.0	R	3	2013	X	X				X	X		X						
OK310830020090_00	Oak Creek	11.9	R	3	2013	I	I				I	X		X		X				
OK310830020100_00	Gyp Creek	6.3	R	3	2013	X	X				X	X		X						
OK310830020110_00	**Vanderwork Lake**	**135.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		F						

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OK310830020120_00	Spring Creek	7.4	R	3	2013	X	X				X	X		X						
OK310830030010_00	**Washita River**	**49.3**	**R**	**5a**	**TMDL**	I	F				**N**	F		**N**		F				
OK310830030010_10	**Washita River**	**33.5**	**R**	**5a**	**TMDL**	X	**N**				I	I		X		I				
OK310830030020_00	Gyp Creek	8.7	R	3	2013	X	X				X	X		X						
OK310830030030_00	Friendship Creek	6.6	R	3	2013	X	X				X	X		X						
OK310830030050_00	Cloud Chief Lake	80.0	L	3	2016	X	X				X	X		X						
OK310830030060_00	Two Baby Creek	9.9	R	3	2013	X	X				X	X		X						
OK310830030070_00	Cavalry Creek	20.3	R	2	2013	F	I				F	X		I		I				
OK310830030080_00	Cavalry Creek, South Fork	14.1	R	3	2013	I	I				I	X		X						
OK310830030090_00	Cavalry Creek, North	9.9	R	2	2013	X	X		X			X			X		F			
OK310830030100_00	**Boggy Creek**	**24.9**	**R**	**5a**	**TMDL**	F	**N**				I	X		**N**						
OK310830030110_00	Boggy Creek, South	7.2	R	3	2013	X	X				X	X		X						
OK310830030120_00	Boggy Creek, West	4.7	R	3	2013	X	X				X	X		X						
OK310830030130_00	Adams Lake	150.0	L	3	2016	X	X				X	X		X						
OK310830030140_00	Corn Creek	9.7	R	3	2013	I	I				I	X		X						
OK310830030150_00	Coffee Creek	11.9	R	3	2013	X	X				X	X		X						
OK310830030160_00	Gyp Creek	11.1	R	3	2013	I	I				I	X		X						
OK310830030170_00	Bear Creek	17.7	R	3	2013	X	X				X	X		X						
OK310830030180_00	Turtle Creek	15.2	R	3	2013	X	X				X	X		X						
OK310830030190_00	**Beaver Creek**	**22.5**	**R**	**5a**	**TMDL**	F	**N**				I	X			F					
OK310830030200_00	Barnitz Creek	8.9	R	2	2013	F	I				I	X		I		I				
OK310830030210_00	**Barnitz Creek, East**	**26.5**	**R**	**5a**	**TMDL**	F	**N**				F	X		**N**		X				
OK310830030220_00	Dry Creek	15.4	R	3	2013	X	X				X	X		X						
OK310830030230_00	**Barnitz Creek, West**	**38.4**	**R**	**5a**	**TMDL**	**N**	**N**				**N**	X		**N**		I				

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OK310830030240_00	Leedey Lake	80.0	L	3	2016	X	X				X	X		X						
OK310830030250_00	Sand Creek	6.0	R	3	2013	X	X				X	X		X						
OK310830030260_00	Turkey Creek	12.8	R	3	2013	I	I				I	X		X						
OK310830030270_00	Turkey Creek	4.9	R	3	2013	X	X				X	X		X						
OK310830030280_00	**Clinton Lake**	**335.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		I		**N**				*
OK310830030290_00	Monument Creek	3.8	R	3	2013	X	X				X	X		X						
OK310830030300_00	Comet Creek	8.5	R	3	2013	X	X				X	X		X						
OK310830030310_00	Oak Creek	22.2	R	3	2013	I	I				I	X		X		X				
OK310830040010_00	**Spring Creek**	**16.8**	**R**	**5a**	**TMDL**	F	**N**				I	X		**N**		I				
OK310830040020_00	Chickasha Lake	820.0	L	2	2008	I	F				I	X		F		I				
OK310830040030_00	**Stinking Creek**	**11.3**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		F		I				
OK310830050010_00	**Sugar Creek**	**32.4**	**R**	**5a**	**TMDL**	F	**N**				I	X			I					
OK310830050020_00	Camp Creek	3.1	R	3	2013	X	X				X	X		X						
OK310830050030_00	Yellow Creek	4.7	R	3	2013	X	X				X	X		X						
OK310830050040_00	White Bread Creek	9.5	R	3	2013	X	X				X	X		X						
OK310830050050_00	Keechi Creek	8.0	R	3	2013	X	X				X	X		X						
OK310830050060_00	Wildcat Creek	8.4	R	3	2013	X	X				X	X		X						
OK310830050070_00	Medicine Creek	7.4	R	3	2013	X	X				X	X		X						
OK310830050080_00	Kickapoo Creek	7.7	R	3	2013	X	X				X	X		X						
OK310830050090_00	Devil's Canyon Creek	7.7	R	3	2013	X	X				X	X		X						
OK310830050100_00	Red Rock Canyon Creek	5.4	R	3	2013	X	X				X	X		X						
OK310830050110_00	Zobisch Lake Creek	2.4	R	3	2013	X	X				X	X		X						
OK310830050120_00	Zobisch Lake	9.0	L	3	2016	X	X				X	X		X						
OK310830060010_00	Cobb Creek	8.1	R	3	2013	X	X				I	X		X		X				*

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OK310830060020_00	**Fort Cobb Lake**	**4100.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		F		**N**				*
OK310830060030_00	Willow Creek	9.2	R	**4a**	2013	F	F				I	X		**N**		F				*
OK310830060040_00	Lake Creek	16.3	R	2	2013	F	F				I	X		X		I				*
OK310830060050_00	**Cobb Creek**	**17.3**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				*
OK310830060060_00	Camp Creek	4.4	R	3	2013	X	X				X	X		X		X				*
OK310830060070_00	Crooked Creek	6.1	R	3	2013	X	X				X	X		X		X				*
OK310830060080_00	**Fivemile Creek**	**12.2**	**R**	**5a**	**TMDL**	F	F				F	X		**N**		I				*
OK310830060090_00	Buck Creek	6.6	R	3	2013	X	X				X	X		X		X				*
OK310830060100_00	Spring Creek	7.0	R	3	2013	X	X				X	X		X		X				*
OK310830060110_00	Bull Creek	4.3	R	3	2013	X	X				X	X		X		X				*
OK310830060120_00	Cobb Creek	7.3	R	3	2013	X	X				X	X		X		X				*
OK310830060130_00	**Crowder Lake**	**158.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		F		**N**				*
OK310830060140_00	Possum Hollow Creek	4.1	R	3	2013	X	X				X	X		X		X				*
OK310840010010_00	**Washita River**	**18.6**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		**N**		F				
OK310840010020_00	Foss Lake	8800.0	L	2	2008	F	F				I	X		I		I				
OK310840010030_00	Soldier Creek	6.5	R	3	2013	X	X				X	X		X						
OK310840010040_00	Little Panther Creek	9.2	R	3	2013	I	I				I	X		X						
OK310840010050_00	Panther Creek	10.9	R	3	2013	I	I				I	X		X		X				
OK310840010060_00	**Quartermaster Creek**	**33.0**	**R**	**5a**	**TMDL**	F	**N**				I	X		**N**		I				
OK310840010070_00	Wild Horse Creek	10.9	R	3	2013	X	X				X	X		X						
OK310840010080_00	North Branch	19.0	R	3	2013	X	X		X			X			X					
OK310840010090_00	Dry Branch	5.5	R	3	2013	X	X				X	X		X						
OK310840010100_00	Hay Creek	13.4	R	3	2013	X	X				X	X		X		X				
OK310840010110_00	Cyclone Creek	6.5	R	3	2013	X	X				X	X		X						

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OK310840010120_00	White Shield Creek	18.2	R	3	2013	X	X		X			X			X					
OK310840010130_00	Ninemile Creek	18.1	R	3	2013	I	I				I	X		X						
OK310840010140_00	Big Kiowa Creek	14.9	R	3	2013	X	X				X	X		X						
OK310840020010_00	**Washita River**	**61.9**	**R**	**5a**	**TMDL**	F	F				**N**	X		I		I				
OK310840020020_00	**Sandstone Creek**	**14.6**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK310840020040_00	Sandstone Creek, East Fork	9.6	R	3	2013	X	X				X	X		X						
OK310840020050_00	Currant Creek	8.0	R	3	2013	X	X				X	X		X						
OK310840020060_00	Taylor Lake	100.0	L	3	2016	X	X				X	X		X						
OK310840020070_00	Sandstone Creek	8.4	R	3	2013	X	X				X	X		X		X				
OK310840020080_00	Baker Lake	118.0	L	3	2016	X	X				X	X		X						
OK310840020090_00	Marshall Lake	80.0	L	3	2016	X	X				X	X		X						
OK310840020100_00	Beaverdam Creek	8.6	R	3	2013	X	X				X	X		X						
OK310840020110_00	Wild Horse Creek	11.3	R	3	2013	X	X				X	X		X						
OK310840020120_00	Dead Indian Creek	15.7	R	3	2013	X	X				X	X		X		X				
OK310840020130_00	Dead Indian Lake	79.0	L	3	2016	X	X				X	X		X						
OK310840020140_00	Sergeant Major Creek	11.6	R	3	2013	I	I		X			X			X	I				
OK310840020150_00	Dry Creek	5.3	R	3	2013	X	X				X	X		X						
OK310840020160_00	Sergeant Major Creek, East Fork	5.7	R	2	2013	F	F				X	X		X						
OK310840020170_00	Plum Creek	4.1	R	3	2013	X	X				X	X		X						
OK310840020180_00	Brokenleg Creek	8.0	R	3	2013	X	X				X	X		X						
OK310840020190_00	Croton Creek	16.1	R	3	2013	X	X				X	X		X		X				
OK310840020200_00	Croton Creek, East	7.3	R	3	2013	X	X				X	X		X						
OK310840020210_00	Rush Creek	16.3	R	3	2013	I	I				I	X		X		X				
OK310840020230_00	Skipout Lake (S-53)	47.0	L	3	2016	X	X				X	X		X						

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OK310840020240_00	Spring Creek	5.9	R	2	2013	F	F				F	X		F						
OK310840020250_00	Spring Creek Lake (S-42)	40.0	L	3	2016	X	X				X	X		X						
OK310840020260_00	Turkey Creek	8.1	R	3	2013	X	X				X	X		X						
OK310840020270_00	Trunk Creek	5.3	R	3	2013	X	X				X	X		X						
OK311100010020_00	**Texoma Lake**	**17600.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		I		I				
OK311100010030_00	**Texoma Lake, Red River Arm, Lower**	**17600.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		I		I				
OK311100010040_00	McLaughin Creek	2.4	R	3	2013	X	X				X	X		X						
OK311100010050_00	Caney Creek	5.3	R	3	2013	X	X				X	X		X						
OK311100010060_00	Happy Hollow Creek	2.1	R	3	2013	X	X				X	X		X						
OK311100010070_00	Buncombe Creek	9.9	R	3	2013	X	X				X	X		X						
OK311100010080_00	**Texoma Lake, Red River Arm, Upper**	**17600.0**	**L**	**5a**	**TMDL**	I	I				**N**	X		I		I				
OK311100010090_00	Brier Creek	12.1	R	3	2013	X	X				X	X		X						
OK311100010100_00	House Creek	7.1	R	3	2013	X	X				X	X		X						
OK311100010110_00	Hauani Creek	1.3	R	3	2013	X	X				X	X		X						
OK311100010120_00	Little Hauani Creek	12.3	R	3	2013	X	X				X	X		X						
OK311100010130_00	Hauani Creek	10.0	R	3	2013	X	X				X	X		X						
OK311100010140_00	Hauani Lake	300.0	L	3	2016	X	X				X	X		X						
OK311100010150_00	Wilson Creek	12.7	R	3	2013	X	X				X	X		X						
OK311100010170_00	Pumpkin Creek	7.0	R	3	2013	X	X				X	X		X						
OK311100010180_00	Oil Creek	8.4	R	3	2013	X	X				X	X		X						
OK311100010190_00	**Red River**	**47.8**	**R**	**5a**	**TMDL**	I	**N**				**N**	**N**		**N**		I				
OK311100010190_10	Red River	32.0	R	3	2013	X	X				X	X		X		X				
OK311100010190_20	**Red River**	**46.4**	**R**	**5a**	**TMDL**	I	**N**				**N**	**N**		**N**		I				
OK311100010190_30	Red River	10.4	R	3	2013	X	X				X	X		X		X				

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OK311100010200_00	Corcoran Creek	11.8	R	3	2013	I	I				I	X		X						
OK311100010210_00	Leeper Lake	150.0	L	3	2016	X	X				X	X		X						
OK311100010220_00	Clouds Branch	9.0	R	3	2013	X	X				X	X		X						
OK311100010230_00	**Bills Creek**	**8.4**	**R**	**5a**	**TMDL**	I	X				I	X		**N**						
OK311100010240_00	Rock Creek	5.8	R	3	2013	X	X				X	X		X						
OK311100010260_00	Dry Creek	7.2	R	3	2013	X	X				X	X		X						
OK311100010270_00	Coffeepot Creek	6.8	R	3	2013	X	X				X	X		X						
OK311100010290_00	**Red Creek**	**17.4**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK311100010295_00	Cat Creek	5.8	R	3	2013	X	X				X	X		X						
OK311100010300_00	**Fleetwood Creek**	**10.9**	**R**	**5a**	**TMDL**	I	F				**N**	X		I		I				
OK311100020010_10	**Hickory Creek**	**37.3**	**R**	**5a**	**TMDL**	I	F				F	I		**N**		I				
OK311100020020_00	Anadarche Creek	2.3	R	3	2013	X	X				X	X		X		X				
OK311100020050_00	Anadarche Creek, East	3.2	R	3	2013	X	X				X	X		X		X				*
OK311100020070_00	Fourche Maline Creek	4.6	R	3	2013	X	X				X	X		X		X				*
OK311100020080_00	Anadarche Creek, West	4.5	R	3	2013	X	X				X	X		X		X				*
OK311100020090_00	**Lake Murray**	**5458.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F		I				*
OK311100020100_00	Little Hickory Creek	9.1	R	3	2013	X	X				X	X		X						
OK311100020110_00	Hickory Creek, South Branch	7.3	R	3	2013	X	X				X	X		X						
OK311100020120_00	Spring Branch	6.1	R	3	2013	X	X				X	X		X						
OK311100030010_00	**Walnut Bayou**	**24.6**	**R**	**5a**	**TMDL**	I	F				I	I		**N**		I				
OK311100030020_00	Simon Creek	19.8	R	2	2013	I	F				I	X		X		I				
OK311100030030_00	Simon Creek, North	5.4	R	3	2013	X	X				X	X		X						
OK311100030032_00	Sparks Branch	4.4	R	3	2013	X	X				X	X		X						
OK311100030040_00	Cherokee Creek	3.6	R	3	2013	X	X				X	X		X						

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OK311100030050_00	Polecat Creek	5.3	R	3	2013	I	I				I	X		X						
OK311100030060_00	Bull Creek	7.0	R	3	2013	X	X		X			X			X					
OK311100030070_00	Walnut Creek (Walnut Bayou)	28.4	R	3	2013	I	I				I	X		X		I				
OK311100030080_00	Demijohn Creek	9.8	R	3	2013	X	X				X	X		X						
OK311100030090_00	Cottonwood Creek	11.4	R	3	2013	I	I				I	X		X		I				
OK311100030100_00	Red Oak Creek	4.6	R	3	2013	I	I				I	X		X						
OK311100030110_00	Oil Branch	0.8	R	2	2013	I	F				I	X		X						
OK311100030120_00	Oil Branch	5.0	R	3	2013	X	X				X	X		X						
OK311100030130_00	**Healdton Municipal Lake**	**370.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		F						
OK311100030140_00	Whiskey Creek	5.9	R	2	2013	I	F		X			X			X					
OK311100030150_00	Red Branch	3.8	R	3	2013	X	X				X	X		X						
OK311100030160_00	Rexroat Branch!	4.5	R	3	2013	X	I				I	X		X						
OK311100030170_00	Healdton Branch!	2.4	R	3	2013	I	I				I	X		X						
OK311100040010_00	**Mud Creek**	**49.5**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		**N**		I				
OK311100040020_00	Clear Creek	15.9	R	3	2013	I	I				I	X		X		X				
OK311100040030_00	Mud Creek, North	27.9	R	3	2013	I	I		I			X		I		I				
OK311100040040_00	Post Oak Creek	11.1	R	3	2013	X	X				X	X		X						
OK311100040045_00	**Oak Creek!**	**3.0**	**R**	**5a**	**TMDL**	I	**N**				I	X		X						
OK311100040050_00	Long Branch	8.6	R	3	2013	X	X				X	X		X						
OK311100040060_00	**Fox Branch**	**5.3**	**R**	**5c**	**TMDL**	F	**N**				I	X		X						
OK311100040070_00	Cottonwood Creek	7.3	R	2	2013	I	F				I	X		X						
OK311100040080_00	**Mud Creek, Lower West**	**27.8**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**						
OK311100040090_00	Post Oak Creek	7.5	R	3	2013	I	I				I	X		X						
OK311100040100_00	Negro Creek	8.5	R	2	2013	I	F				I	X		X		I				

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OK311100040110_00	Willow Branch	8.8	R	2	2013	I	F				I	X		X		I				
OK311100040120_00	Crooked Creek	11.1	R	3	2013	X	X				X	X		X		X				
OK311100040130_00	Deer Creek	13.6	R	3	2013	I	I				I	X		X		I				
OK311100040140_00	Deer Creek, South Fork	5.3	R	3	2013	I	I				I	X		X						
OK311100040160_00	Comanche Creek	7.8	R	3	2013	X	X				X	X		X						
OK311100040170_00	**Comanche Lake**	**184.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		F						
OK311100040180_00	Mud Creek, East	13.9	R	3	2013	I	I				I	X		X						
OK311100040190_00	Weed Hollow Creek	3.7	R	3	2013	X	X				X	X		X						
OK311100040200_00	Mud Creek, West	14.1	R	3	2013	I	I				I	X		X		I				
OK311100040210_00	Pine Creek	11.0	R	2	2013	I	F				I	X		X						
OK311200000010_00	**Red River**	**30.0**	**R**	**5a**	**TMDL**	I	**N**				**N**	I		**N**		**N**				
OK311200000010_10	Red River	6.6	R	3	2013	X	X				X	X		X		X				
OK311200000013_00	Little Rain	7.2	R	3	2013	X	X				X	X		X						
OK311200000030_00	**Beaver Creek**	**26.4**	**R**	**5a**	**TMDL**	I	**N**				**N**	X		**N**		I				
OK311200000040_00	Hackberry Creek	5.4	R	3	2013	X	X				X	X		X						
OK311200000050_00	Squirrel Creek	7.5	R	3	2013	X	X				X	X		X						
OK311200000060_00	**Cow Creek**	**25.7**	**R**	**5a**	**TMDL**	F	**N**				**N**	I		**N**			F			
OK311200000070_00	Monument Creek	6.2	R	2	2013	I	F				I	X		X						
OK311200000080_00	**Dry Creek**	**21.0**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**		I				
OK311200000090_00	Cotton Creek	8.4	R	3	2013	X	X				X	X		X		X				
OK311200000100_00	Cow Creek, East	12.2	R	2	2013	X	X		X			X			X		F			
OK311200000110_00	**Claridy Creek**	**8.4**	**R**	**5a**	**TMDL**	**N**					**N**	X		X			F			
OK311200000120_00	**Willow Creek**	**7.3**	**R**	**5a**	**TMDL**	**N**	X				**N**	X		X						
OK311200000140_00	Jap Beaver Lake	65.0	L	3	2016	X	X				X	X		X						

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OK311200000150_00	Whiskey Creek	20.5	R	3	2013	X	X				X	X		X						
OK311210000010_00	Beaver Creek	46.9	R	3	2013	I	I				I	X		X		I				*
OK311210000020_00	**Waurika Lake**	**10100.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		I		**N**				*
OK311210000030_00	**Walker Creek**	**10.0**	**R**	**5c**	**TMDL**	I	**N**				I	X		X		I				*
OK311210000040_00	Mills Creek	6.1	R	3	2013	X	X				X	X		X						
OK311210000050_00	**Little Beaver Creek**	**39.5**	**R**	**5b**	**TMDL**	F	I				F	X		**N**		I				*
OK311210000060_00	Stage Stand Creek	12.9	R	3	2013	I	I				I	X		X		I				*
OK311210000070_00	Rock Creek	9.4	R	3	2013	X	X				X	X		X						
OK311210000080_00	Hell Creek	9.9	R	3	2013	I	I				I	X		X		I				*
OK311210000090_00	Buckhorn Creek	5.6	R	3	2013	X	X				X	X		X						
OK311210000100_00	Gooden Creek	14.5	R	3	2013	X	X				X	X		X						
OK311210000110_00	Dry Beaver Creek	14.3	R	3	2013	I	I				I	X		X						
OK311210000120_00	Armstrong Creek	9.2	R	3	2013	X	X				X	X		X						
OK311210000130_00	Ninemile Beaver Creek	20.5	R	3	2013	I	I				I	X		X		X				
OK311210000140_00	Whisky Creek	10.3	R	**4a**	2013	F	F				I	X		**N**						
OK311210000143_00	Whisky Creek, West	5.1	R	3	2013	I	X				X	X		X						
OK311210000150_00	**Cottonwood Creek**	**7.2**	**R**	**5a**	**TMDL**	I	**N**				I	X		**N**						
OK311300010010_00	Cache Creek	8.9	R	3	2013	X	X				X	X		X		X				
OK311300010020_00	**Cache Creek, East**	**9.1**	**R**	**5a**	**TMDL**	I	**N**				**N**	**N**		**N**		I				*
OK311300010020_10	**Cache Creek, East**	**17.1**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		**N**		I				*
OK311300010030_00	Temple Creek	4.3	R	3	2013	X	X				X	X		X						
OK311300010040_00	Mooney Creek	3.2	R	3	2013	X	X				X	X		X		X				*
OK311300010050_00	Temple Lake (Mooney)	26.0	L	3	2016	X	X				X	X		X		X				*
OK311300010060_00	Soldier Creek	9.7	R	3	2013	X	X				X	X		X						

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OK311300010070_00	Walters Creek	4.7	R	3	2013	X	X				X	X		X		X				*
OK311300010080_00	**Walters Lake (Boyer)**	**148.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		F		I				*
OK311300010090_00	Gravel Pits Creek!	4.1	R	3	2013	X	X				X	X		X						
OK311300020005_00	Sharon Stream	2.3	R	3	2013	X	X				X	X		X						
OK311300020010_00	Cache Creek, East	27.9	R	3	2013	X	X				X	X		X		X				
OK311300020010_05	Cache Creek, East	15.3	R	3	2013	X	X				X	X		X		X				
OK311300020010_10	**Cache Creek, East**	**17.1**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		F		X				
OK311300020020_00	Snake Creek	19.8	R	3	2013	I	I				I	X		X						
OK311300020030_00	Ninemile Creek	9.6	R	3	2013	X	X				X	X		X						
OK311300020034_00	**Ninemile Creek, Middle Branch!**	**3.3**	**R**	**5a**	**TMDL**	I	**N**				I	X		X						
OK311300020040_00	Wolf Creek	8.7	R	3	2013	X	X				X	X		X		X				
OK311300020050_00	Wolf Creek, East Branch	7.6	R	3	2013	X	X				X	X		X						
OK311300020060_00	Wolf Creek, West Branch	10.8	R	3	2013	X	X				X	X		X						
OK311300020070_00	Squah Creek	4.0	R	3	2013	X	X				X	X		X						
OK311300020090_00	Wrattan Creek	6.2	R	3	2013	X	X				X	X		X						
OK311300020100_00	George Lake	150.0	L	3	2016	X	X				X	X		X						
OK311300020110_00	Sitting Bear Creek	5.3	R	3	2013	X	X				X	X		X						
OK311300020120_00	Beef Creek	9.8	R	3	2013	X	X				X	X		X						
OK311300020130_00	Lime Creek	7.5	R	3	2013	X	X				X	X		X						
OK311300020140_00	Rock Creek	5.5	R	3	2013	X	X				X	X		X						
OK311300030010_10	Cache Creek, East	28.4	R	3	2013	X	X				X	X		X		X				*
OK311300030020_00	**Ellsworth Lake**	**5600.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F		I				*
OK311300030030_00	Chandler Creek	10.5	R	3	2013	X	X				X	X		X		X				*
OK311300030040_00	Tony Creek	5.7	R	3	2013	X	X				X	X		X		X				*

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OK311300030050_00	Mission Creek	12.9	R	3	2013	X	X				X	X		X		X				*
OK311300030060_00	Box Elder Creek	10.0	R	3	2013	I	I				I	X		X		X				*
OK311300030070_00	**Tahoe Creek**	**16.8**	**R**	**5a**	**TMDL**	**N**	**N**				**N**	X		**N**		**N**				*
OK311300030080_00	Unnamed Tributary	6.7	R	3	2013	X	X				X	X		X		X				*
OK311300040010_00	Medicine Creek	12.0	R	3	2013	X	X				X	X		X		X				
OK311300040020_00	Ketch Creek	12.8	R	3	2013	X	X				X	X		X						
OK311300040030_00	Deer Creek	3.2	R	3	2013	X	X				X	X		X						
OK311300040040_00	Little Medicine Creek	4.0	R	3	2013	X	X				X	X		X		X				*
OK311300040050_00	**Elmer Thomas Lake**	**334.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F		I				*
OK311300040060_00	Medicine Creek	17.7	R	2	2013	F	F				I	X		I		I				*
OK311300040070_00	**Lawtonka Lake**	**2398.0**	**L**	**5a**	**TMDL**	F	F				F	X		F		**N**				*
OK311300040080_00	Canyon Creek	7.6	R	3	2013	X	X				X	X		X		X				*
OK311300040090_00	Cedar Creek	4.3	R	3	2013	X	X				X	X		X		X				*
OK311310010010_00	**Red River**	**88.0**	**R**	**5a**	**TMDL**	I	**N**				**N**	F		**N**			F			
OK311310010020_00	Rabbit Creek	14.0	R	3	2013	I	I				I	X		X		X				
OK311310010025_00	**Hound Creek**	**7.6**	**R**	**5c**	**TMDL**	I	**N**				X	X		X						
OK311310010030_00	Bird Creek	4.2	R	3	2013	X	X				X	X		X						
OK311310010040_00	Blue Creek	15.5	R	3	2013	X	X				X	X		X		X				
OK311310010050_00	Curtis Creek	13.0	R	3	2013	I	I				I	X		X						
OK311310010060_00	Cooper Creek	11.6	R	3	2013	X	X				X	X		X						
OK311310010070_00	**Suttle Creek**	**19.4**	**R**	**5a**	**TMDL**	F	**N**				**N**	X			I					
OK311310010080_00	Bottle Creek	5.1	R	3	2013	X	X				X	X		X						
OK311310010080_01	Bottle Creek	3.6	R	3	2013	X	X				X	X		X						
OK311310010100_00	Grandma Ruth Creek	10.8	R	3	2013	X	X				X	X		X						

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OK311310020010_00	**Cache Creek, West**	**9.1**	**R**	**5a**	**TMDL**	I	**N**				**N**	I		**N**		I				
OK311310020010_10	**Cache Creek, West**	**19.2**	**R**	**5a**	**TMDL**	F	F				**N**	X		I		I				
OK311310020020_00	Cache Creek, West	16.4	R	3	2013	X	X				I	X		X		X				
OK311310020020_10	Cache Creek, West	13.6	R	3	2013	X	X				X	X		X		X				
OK311310020030_00	Pecan Creek	29.9	R	3	2013	X	X				X	X		X						
OK311310020040_00	Spring Creek	10.3	R	3	2013	X	X				X	X		X						
OK311310020043_00	Molly's Creek	2.3	R	3	2013	X	X				X	X		X						
OK311310020050_00	Blue Beaver Creek	8.0	R	3	2013	X	X				X	X		X		X				
OK311310020060_00	**Blue Beaver Creek**	**12.7**	**R**	**5a**	**TMDL**	F	F				I	X		**N**		F				
OK311310020070_00	Post Oak Creek	24.5	R	3	2013	X	X				X	X		X		X				
OK311310020080_00	Little Post Oak Creek	23.2	R	3	2013	X	X				X	X		X						
OK311310020090_00	Sandy Creek	25.1	R	3	2013	X	X				X	X		X						
OK311310020100_00	Crater Creek	11.1	R	3	2013	X	X				X	X		X		X		*		
OK311310020110_00	Rock Creek	8.8	R	3	2013	X	X				X	X		X						
OK311310020120_00	Quanah Creek	7.4	R	3	2013	X	X				X	X		X						
OK311310020130_00	Quanah Parker Lake	89.0	L	3	2016	X	X				X	X		X						
OK311310020140_00	Cache Creek, West	6.9	R	3	2013	X	X				X	X		X		X		*		
OK311310020150_00	Panther Creek	7.5	R	3	2013	X	X				X	X		X		X		*		
OK311310020160_00	Lost Lake	7.0	L	3	2016	X	X				X	X		X						
OK311310020170_00	French Lake	32.9	L	3	2016	X	X				X	X		X						
OK311310020180_00	Deer Creek	3.8	R	3	2013	X	X				X	X		X						
OK311310020190_00	Comanche Lake	46.0	L	3	2016	I	X				I	X		X						
OK311310020200_00	Grama Lake	94.0	L	3	2016	I	X				X	X		X						
OK311310020210_00	Kiowa Lake	9.0	L	3	2016	X	X				X	X		X						

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OK311310030010_00	**Deep Red Creek**	**57.3**	**R**	**5a**	**TMDL**	I	**N**				**N**	X		**N**		I				
OK311310030020_00	Dry Red Creek	10.1	R	3	2013	I	I				I	X		X						
OK311310030030_00	Jack Creek	23.9	R	3	2013	I	I				I	X		X		X				
OK311310030031_00	Whites Creek	2.4	R	3	2013	X	X				X	X		X						
OK311310030032_00	Whites Lake	300.0	L	3	2016	X	X				X	X		X						
OK311310030040_00	**Little Deep Red Creek**	**33.6**	**R**	**5a**	**TMDL**	**N**	**N**				**N**	X		I		I				
OK311310030050_00	**Brush Creek**	**11.6**	**R**	**5a**	**TMDL**	**N**	**N**				**N**	X		**N**						
OK311310030070_00	Jack Creek, East	12.1	R	3	2013	X	X				X	X		X		X				
OK311310030080_00	Horse Creek	23.4	R	3	2013	X	X				X	X		X		X				
OK311310030090_00	Deadman Creek	16.6	R	3	2013	X	X				X	X		X		X				
OK311310030100_00	Coffin Creek	11.2	R	3	2013	X	X				X	X		X						
OK311310030110_00	Deep Red Creek	21.5	R	3	2013	I	I				I	X		X		X				
OK311310030120_00	**Frederick Lake**	**925.0**	**L**	**5a**	**TMDL**	**N**	**N**				**N**	X		F						
OK311310030130_00	Deep Red Creek, East Fork	9.7	R	3	2013	X	X				X	X		X						
OK311500010010_00	Red River	17.9	R	2	2013	X	X				X	X		X			F			
OK311500010020_00	Red River, North Fork	22.7	R	3	2013	X	X				X	X		X		X				
OK311500010020_10	**Red River, North Fork**	**61.7**	**R**	**5a**	**TMDL**	I	**N**				**N**	F		**N**		I				
OK311500010020_20	Red River, North Fork	3.0	R	3	2013	X	X				X	X		X		X				
OK311500010023_00	Maxwell's Creek	2.8	R	3	2013	X	X				X	X		X						
OK311500010030_00	White Creek	5.3	R	3	2013	X	X				X	X		X						
OK311500010040_00	White Lake	10.4	L	3	2016	X	X				X	X		X						
OK311500010042_00	Red Top	4.5	R	3	2013	X	X				X	X		X						
OK311500010050_00	**Stinking Creek**	**17.4**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**		**N**				
OK311500010060_00	Mimi Creek	2.6	R	3	2013	X	X				X	X		X						

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OK311500010070_00	Red Hollow	1.8	R	3	2013	X	X				X	X		X						
OK311500010080_00	**Otter Creek**	**23.1**	**R**	**5a**	**TMDL**	I	**N**				**N**	X		**N**		I				
OK311500010090_00	Owl Creek	7.7	R	3	2013	I	I				I	X		X						
OK311500010110_00	**Tepee Creek**	**19.4**	**R**	**5a**	**TMDL**	**N**	**N**				**N**	X		**N**						
OK311500020010_00	Otter Creek, East	20.2	R	3	2013	I	I				I	X		X						
OK311500020020_00	Telephone Creek	10.1	R	3	2013	X	X				X	X		X						
OK311500020030_00	Boggy Hollow Creek	5.6	R	3	2013	X	X				X	X		X						
OK311500020040_00	**Otter Creek, West**	**6.6**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		F				
OK311500020050_00	Otter Creek, West	13.9	R	3	2013	X	X				X	X		X		X				*
OK311500020060_00	**Tom Steed Lake (Mountain Park)**	**6400.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		F		**N**				*
OK311500020070_00	Glen Creek	14.2	R	3	2013	I	I				I	X		X		X				*
OK311500030005_00	Wolfpack	3.7	R	3	2013	X	X				X	X		X						
OK311500030010_00	**Elk Creek**	**15.7**	**R**	**5a**	**TMDL**	F	F				**N**	F		**N**		I				
OK311500030030_00	Elk Creek	58.2	R	3	2013	I	I				I	I		I		I				
OK311500030030_10	Elk Creek	12.4	R	3	2013	X	X				X	X		X		X				
OK311500030040_00	**Little Elk Creek**	**14.9**	**R**	**5a**	**TMDL**	F	F				F	X		**N**		I				
OK311500030050_00	Little Elk Creek	17.4	R	2	2013	I	F				I	X		X						
OK311500030060_00	**Rocky (Hobart) Lake**	**347.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		F		**N**				*
OK311500030070_00	Trail Creek	19.2	R	3	2013	I	I				I	X		I		I				
OK311500030080_00	Spring Creek	9.0	R	3	2013	X	X				X	X		X		X				
OK311500030090_00	George Creek	4.2	R	3	2013	X	X				X	X		X						
OK311500030100_00	Sadler Creek	9.0	R	3	2013	I	I				I	X		X						
OK311500030110_00	Elk Creek, West	9.7	R	3	2013	I	I				I	X		X						
OK311500030120_00	**Elk City Lake**	**240.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		F						

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OK311510010010_10	**Red River, North Fork**	**47.3**	**R**	**5a**	**TMDL**	I	F				**N**	F		**N**		**N**				
OK311510010020_00	Altus Lake (Altus-Lugert)	6260.0	L	2	2008	F	F				F	X		I		I				
OK311510010030_00	Armstrong Creek	4.1	R	3	2013	X	X				X	X		X						
OK311510010040_00	**Lake Creek**	**13.3**	**R**	**5a**	**TMDL**	F	F				F	X		**N**						
OK311510010050_00	Boggy Creek	5.0	R	3	2013	I	I				I	X		X						
OK311510010060_00	Spring Creek	9.7	R	3	2013	X	X				X	X		X						
OK311510010070_00	Flat Creek	5.7	R	3	2013	X	X				X	X		X						
OK311510010080_00	Indian Creek	13.5	R	3	2013	X	X				X	X		X						
OK311510010090_00	**Timber Creek**	**12.0**	**R**	**5a**	**TMDL**	F	F				F	X		**N**		I				
OK311510010100_00	Coffee Bean Creek	6.8	R	3	2013	X	X				X	X		X						
OK311510010110_00	Spring Creek	6.2	R	3	2013	X	X				X	X		X						
OK311510010120_00	Timber Creek, East	5.1	R	3	2013	X	X				X	X		X						
OK311510010130_00	Timber Creek, West	5.9	R	3	2013	X	X				X	X		X						
OK311510020010_00	Red River, North Fork	37.9	R	3	2013	I	I				I	X		X		X				
OK311510020020_00	Deep Creek	7.8	R	3	2013	X	X				X	X		X						
OK311510020030_00	Short Creek	9.6	R	3	2013	X	X				X	X		X						
OK311510020040_00	Sand Creek	13.1	R	3	2013	I	X				I	X		X		I				
OK311510020050_00	Long Creek	17.3	R	3	2013	I	I				I	X		X		X				
OK311510020060_00	**Turkey Creek**	**19.4**	**R**	**5a**	**TMDL**	F	F				I	X		**N**		F				
OK311510020070_00	Starvation Creek	17.0	R	3	2013	I	I				I	X		X		X				
OK311510020080_00	Little Turkey Creek	15.9	R	3	2013	X	X				X	X		X						
OK311510020090_00	**Buffalo Creek**	**20.3**	**R**	**5a**	**TMDL**	**N**	**N**				**N**	X		**N**		I				
OK311510020100_00	Buffalo Creek, West	7.9	R	3	2013	X	X				X	X		X						
OK311510020110_00	Middle Buffalo Creek	11.2	R	3	2013	X	X				X	X		X						

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OK311510020120_00	**Sweetwater Creek**	**16.4**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**		I				
OK311510020130_00	Salt Creek	5.3	R	3	2013	I	I				I	X		X						
OK311510020140_00	Freezeout Creek	4.6	R	3	2013	X	X				X	X		X						
OK311510020150_00	Meridan Creek	8.5	R	3	2013	X	X				X	X		X						
OK311600010010_00	Red River	56.0	R	2	2013	X	X				X	X		X			F			
OK311600010020_00	**Gypsum Creek**	**28.1**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**		I				
OK311600010030_00	Mule Creek	6.0	R	3	2013	X	X				X	X		X						
OK311600010032_00	Mule Creek	6.7	R	3	2013	X	X				X	X		X						
OK311600010035_00	James Creek	5.6	R	3	2013	X	X				X	X		X						
OK311600010040_00	**Sandy Creek (Lebos)**	**39.7**	**R**	**5a**	**TMDL**	F	**N**		**N**			F			**N**	I	F			
OK311600010050_00	Sandy Creek, East Fork (Sandy)	14.2	R	3	2013	X	X				X	X		X						
OK311600010060_00	Sandy Creek, West Fork	13.2	R	3	2013	I	I				I	X		X						
OK311600010070_00	Bitter Creek	7.8	R	3	2013	I	I				I	X		X						
OK311600010080_00	Red River, Prairie Dog Town Fork	3.9	R	2	2013	X	X				X	X		X			F			
OK311600010085_00	Paradiagn	1.0	R	3	2013	X	X				X	X		X						
OK311600010090_00	Buck Creek	4.2	R	3	2013	I	I				I	X		X						
OK311600020010_00	**Red River, Salt Fork**	**13.7**	**R**	**5a**	**TMDL**	I	F				**N**	F		**N**		**N**				
OK311600020010_10	**Red River, Salt Fork**	**69.6**	**R**	**5a**	**TMDL**	I	F				I	I		**N**		**N**				
OK311600020030_00	West Canal	4.9	R	3	2013	X	X				X	X		X						
OK311600020060_00	**Turkey Creek**	**51.6**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**		I				
OK311600020070_00	Horse Branch	21.3	R	3	2013	I	I				I	X		X						
OK311600020080_00	Spring Branch	6.6	R	3	2013	X	X				X	X		X						
OK311600020090_00	Cottonwood Creek	13.2	R	3	2013	X	X				X	X		X						
OK311600020110_00	Bitter Creek	3.6	R	2	2013	X	X				X	X			X		F			

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OK311600020110_05	**Bitter Creek**	**7.8**	**R**	**5a**	**TMDL**	F	**N**		**N**			**N**			**N**		F			
OK311600020110_10	**Bitter Creek**	**18.6**	**R**	**5a**	**TMDL**	X	X		X			**N**			X		F			
OK311600020115_00	Ronnie's Run	3.7	R	3	2013	X	X				X	X		X						
OK311600020120_00	Fish Creek	5.1	R	3	2013	X	X				X	X		X						
OK311600020130_00	Mulberry Creek	6.4	R	3	2013	I	I				I	X		X						
OK311600020140_00	**Cave Creek**	**13.7**	**R**	**5a**	**TMDL**	F	F				I	X		**N**						
OK311600020150_00	Horse Creek	5.2	R	3	2013	X	X				X	X		X						
OK311600020160_00	Hall Lake Creek	2.5	R	3	2013	X	X				X	X		X						
OK311600020170_00	Hall Lake	50.0	L	3	2016	X	X				X	X		X						
OK311600020180_00	Bear Creek	5.7	R	3	2013	I	I				I	X		X						
OK311800000010_00	**Red River, Elm Fork**	**62.8**	**R**	**5a**	**TMDL**	I	**N**				I	F		**N**		I				
OK311800000015_00	Tarheel	4.8	R	3	2013	X	X				X	X		X						
OK311800000020_00	Left Ear creek	1.3	R	3	2013	X	X				X	X		X						
OK311800000030_00	Tittle Creek	7.8	R	3	2013	X	X				X	X		X						
OK311800000035_00	Good Golly	1.6	R	3	2013	X	X				X	X		X						
OK311800000040_00	**Haystack Creek**	**43.1**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**		I				
OK311800000045_00	Rising Dawn	2.6	R	3	2013	X	X				X	X		X						
OK311800000050_00	Sleep John Creek	10.1	R	3	2013	X	X				X	X		X						
OK311800000060_00	**Station Creek**	**10.6**	**R**	**5a**	**TMDL**	F	F				F	X		**N**						
OK311800000070_00	**Deer Creek**	**22.2**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**		F				
OK311800000080_00	Sulphur Creek	10.2	R	3	2013	X	X				X	X		X						
OK311800000090_00	Root Creek	5.1	R	3	2013	X	X				X	X		X						
OK311800000100_00	Dos Hollis Lake	50.0	L	3	2016	X	X				X	X		X						
OK311800000110_00	Grape Creek	15.4	R	3	2013	X	X				X	X		X						

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OK311800000120_00	Hackbery Creek	2.1	R	3	2013	X	X				X	X		X						
OK311800000130_00	**Fish Creek**	**16.8**	**R**	**5a**	**TMDL**	I	**N**				I	X		**N**		I				
OK311800000140_00	Minnow Creek	4.3	R	3	2013	X	X				X	X		X						
OK311800000150_00	Bull Creek	14.4	R	3	2013	X	X				X	X		X		X				
OK311800000160_00	Elm Creek	5.3	R	3	2013	X	X				X	X		X						
OK311800000170_00	Elm Creek, West	12.8	R	2	2013	I	F				I	X		I		I				
OK410100010010_00	Red River	13.4	R	3	2014	X	X				X	X		X		X				
OK410100010010_10	**Red River**	**23.0**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		F		I				
OK410100010010_20	Red River	13.8	R	3	2014	X	X				X	X		X		X				
OK410100010010_30	Red River	12.8	R	3	2014	X	X				X	X		X		X				
OK410100010010_40	Red River	11.2	R	3	2014	X	X				X	X		X		X				
OK410100010010_50	Red River	7.0	R	3	2014	X	X				X	X		X		X				
OK410100010020_00	Breedlove Lake	1.0	L	3	2016	X	X				X	X		X						
OK410100010030_00	Bailey Cutoff Oxbow Lake	1.0	L	3	2016	X	X				X	X		X						
OK410100010040_00	Caney Lake	1.0	L	3	2016	X	X				X	X		X						
OK410100010050_00	**Norwood Creek**	**20.2**	**R**	**5a**	**TMDL**	I	F				**N**	X		I		X				
OK410100010060_00	Push Creek	11.6	R	3	2014	X	X				X	X		X						
OK410100010070_00	Norwood Creek, Trib	1.6	R	3	2014	X	X				X	X		X						
OK410100010080_00	Ward Lake	331.0	L	3	2016	X	X				X	X		X						
OK410100010090_00	Clear Lake	1.0	L	3	2016	X	X				X	X		X						
OK410100010100_00	1908 Cutoff Oxbow Lake	1.0	L	3	2016	X	X				X	X		X						
OK410100010110_00	Whitaker Bend Cutoff Oxbow Lake	1.0	L	3	2016	X	X				X	X		X						
OK410100010120_00	Holly Branch	9.9	R	3	2014	X	X				X	X		X						
OK410100010130_00	Deadman Lake Creek	0.4	R	3	2014	X	X				X	X		X						

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OK410100010140_00	Deadman Lake	1.0	L	3	2016	X	X				X	X		X						
OK410100010150_00	Grassy Lake	1.0	L	3	2016	X	X				X	X		X						
OK410100010160_00	Holly Branch Lake	1.0	L	3	2016	X	X				X	X		X						
OK410100010170_00	Forty-One Cutoff Oxbow Lake	1.0	L	3	2016	X	X				X	X		X						
OK410100010180_00	Waterfall Creek	8.9	R	3	2014	X	X				X	X		X						
OK410100010190_00	Mintubbe Lake	1.0	L	3	2016	X	X				X	X		X						
OK410100010210_00	U. T. Waterfall Creek Lake	1.0	L	3	2016	X	X				X	X		X						
OK410100010230_00	Boss Creek	8.7	R	3	2014	X	X				X	X		X						
OK410100010240_00	Charles Lake Creek	2.8	R	3	2014	X	X				X	X		X						
OK410100010250_00	Charles Lake	1.0	L	3	2016	X	X				X	X		X						
OK410100010260_00	Old River Oxbow Lake	1.0	L	3	2016	X	X				X	X		X						
OK410100010270_00	Fish Pond Lake	1.0	L	3	2016	X	X				X	X		X						
OK410100010280_00	Gilford Lake	1.0	L	3	2016	X	X				X	X		X						
OK410100010290_00	Bryarly Lake	1.0	L	3	2016	X	X				X	X		X						
OK410100010300_00	Colbert Lake	1.0	L	3	2016	X	X				X	X		X						
OK410100010310_00	Red Lake	1.0	L	3	2016	X	X				X	X		X						
OK410100010320_00	Horseshoe Lake, South	1.0	L	3	2016	X	X				X	X		X						
OK410100010330_00	Horseshoe Lake, North	1.0	L	3	2016	X	X				X	X		X						
OK410100010340_00	**Waterhole Creek**	**16.6**	**R**	**5a**	**TMDL**	F	F				**N**	X		I		X				
OK410100010360_00	Lick-Skillet Lake	1.0	L	3	2016	X	X				X	X		X						
OK410100010370_00	Bad Branch	2.9	R	3	2014	X	X				X	X		X						
OK410100010380_00	Perry Creek	6.8	R	3	2014	X	X				X	X		X						
OK410100010390_00	Bokchito Creek	7.4	R	3	2014	X	X				X	X		X						
OK410100010400_00	Whitegrass Creek	7.9	R	3	2014	X	X				X	X		X						

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OK410100010420_00	Garvin Creek	5.5	R	3	2014	X	X				X	X		X						
OK410100010440_00	Clear Lake	1.0	L	3	2016	X	X				X	X		X						
OK410100010450_00	Buzzard Creek	11.6	R	**4a**	2014	X	X				X	X		X						
OK410100010456_00	Millerton Trib!	2.4	R	**4a**	2014	X	X				**N**	X		X						
OK410100010460_00	Garland Creek	6.1	R	**4a**	2014		X				X	X		X						
OK410100010470_00	Valiant Creek	1.9	R	3	2014	X	X		X			X			X					
OK410100010480_00	Clear Creek	2.5	R	3	2014	X	X				X	X		X						
OK410100010490_00	Clear Creek	9.3	R	3	2014	I	I				I	X		X						
OK410100010500_00	Doaksville Creek	8.4	R	3	2014	X	X				X	X		X						
OK410100020010_00	Walnut Bayou	3.7	R	3	2014	X	X				X	X		X						
OK410100020020_00	Line Creek	3.0	R	3	2014	X	X				X	X		X						
OK410100020030_00	McKinney Creek	9.7	R	3	2014	X	X				X	X		X						
OK410100020040_00	Sandy Creek	2.3	R	3	2014	X	X				X	X		X						
OK410100020050_00	Yellow Branch	3.6	R	3	2014	X	X				X	X		X						
OK410100020060_00	Surratt Branch	4.9	R	3	2014	X	X				X	X		X						
OK410100020070_00	Parker Creek	6.5	R	3	2014	X	X				X	X		X						
OK410100020080_00	Pine Creek	5.9	R	3	2014	X	X				X	X		X						
OK410200010010_00	Little River	19.7	R	3	2014	X	X	X				X		X		X		*		
OK410200010020_00	Buck Creek	12.9	R	3	2014	X	X				X	X		X						
OK410200010030_00	Camp Creek	1.1	R	3	2014	X	X				X	X		X						
OK410200010050_00	Red Branch	3.1	R	3	2014	X	X				X	X		X						
OK410200010060_00	Ponka Bok Creek	5.9	R	3	2014	X	X				X	X		X						
OK410200010080_00	Black Creek	5.1	R	3	2014	X	X				X	X		X						
OK410200010090_00	Crooked Creek	3.0	R	3	2014	X	X				X	X		X						

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OK410200010100_00	Forked Lake	1.0	L	3	2016	X	X				X	X		X						
OK410200010120_00	Goodwater Creek	7.7	R	3	2014	X	X				X	X		X						
OK410200010130_00	Terrapin Creek	5.2	R	3	2014	X	X				X	X		X						
OK410200010140_00	Crooked Creek	10.9	R	3	2014	X	X				X	X		X						
OK410200010150_00	Yanubbe Creek	10.5	R	**4a**	2014	I	I	I				X		X		X				
OK410200010160_00	Coon Creek	5.6	R	3	2014	X	X				X	X		X						
OK410200010170_00	Yanubbee Creek, West Fork	2.0	R	3	2014	X	X				X	X		X						
OK410200010180_00	Yanubbee Creek, East Fork	2.2	R	3	2014	X	X				X	X		X						
OK410200010190_00	Yanubbee Creek, Middle Fork	2.2	R	3	2014	X	X				X	X		X						
OK410200010200_00	**Little River**	**8.2**	**R**	**5a**	**TMDL**	I	F	**N**				I		F		F		*		
OK410200010200_10	**Little River**	**24.1**	**R**	**5a**	**TMDL**	I	F	**N**				I		F		I		*		
OK410200010210_00	**Mud Creek**	**17.7**	**R**	**5a**	**TMDL**	I	I				**N**	I			X		F			
OK410200010220_00	Rock Creek	5.0	R	3	2014	X	X				X	X		X						
OK410200010230_00	Yashoo Creek	19.8	R	3	2014	I	I	I				X		X		X				
OK410200010250_00	Long Branch	2.3	R	3	2014	I	I				X	X		X		I				
OK410200010260_00	Holly Creek	9.6	R	3	2014	X	X				X	X		X						
OK410200010280_00	Salt Creek	4.0	R	3	2014	X	X				X	X		X						
OK410200010300_00	Pine Lake	1.0	L	3	2016	X	X				X	X		X						
OK410200010320_00	Campbell Creek	2.3	R	3	2014	X	X				X	X		X						
OK410200010330_00	Boktuklo Creek	9.3	R	3	2014	X	X				X	X		X						
OK410200010340_00	Courthouse Creek	6.7	R	3	2014	X	X				X	X		X						
OK410200020010_00	Caney Creek, North	9.3	R	3	2014	X	X				X	X		X						
OK410200020020_00	White Oak Creek	6.1	R	3	2014	X	X				X	X		X						
OK410200020030_00	Caney Creek, South	5.9	R	3	2014	X	X				X	X		X						

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OK410200020040_00	Caney Creek, Middle	4.3	R	3	2014	X	X				X	X		X						
OK410200030010_00	**Rock Creek**	**12.4**	**R**	**5a**	**TMDL**	F	F	**N**				X		I		X				
OK410200030020_00	Cane Creek	4.7	R	3	2014	X	X				X	X		X						
OK410200030030_00	Twomile Creek	4.3	R	3	2014	X	X				X	X		X						
OK410200030040_00	Slate Creek	2.8	R	3	2014	X	X				X	X		X						
OK410200030050_00	Prairie Branch	2.3	R	3	2014	X	X				X	X		X						
OK410200030060_00	Pero Creek	7.1	R	3	2014	X	X				X	X		X						
OK410200030070_00	Little Rock Creek	4.2	R	3	2014	X	X				X	X		X						
OK410200030080_00	Rock Creek, Middle	4.3	R	3	2014	X	X				X	X		X						
OK410200030090_00	Rock Creek, West Fork	2.9	R	3	2014	X	X				X	X		X						
OK410200030100_00	Robinson Creek	8.9	R	3	2014	X	X				X	X		X						
OK410200030110_00	Ash Creek	5.4	R	3	2014	X	X				X	X		X						
OK410200030120_00	Bull Creek	2.9	R	3	2014	X	X				X	X		X						
OK410200030130_00	Cedar Branch	1.3	R	3	2014	X	X				X	X		X						
OK410200030140_00	Rough Creek	5.9	R	3	2014	X	X				X	X		X						
OK410200030150_00	Kings Branch	2.4	R	3	2014	X	X				X	X		X						
OK410210010010_00	Little River	14.4	R	3	2014	X	X	X				X		X		X		*		
OK410210010030_00	Sand Creek	3.9	R	3	2014	X	X				X	X		X						
OK410210010040_00	Wheelock Creek	3.5	R	3	2014	X	X				X	X		X						
OK410210010050_00	Martin Creek	4.0	R	3	2014	X	X				X	X		X						
OK410210010060_00	Horse Head Creek	8.9	R	2	2014	I	I				F	X		X		X				
OK410210010070_00	**Cypress Creek**	**20.7**	**R**	**5a**	**TMDL**	F	F	**N**				X		F		X		*		
OK410210010080_00	Rock Creek	6.4	R	3	2014	X	X				X	X		X						
OK410210010090_00	Wolf Creek	4.2	R	3	2014	X	X				X	X		X						

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OK410210010100_00	Cypress Creek, North Fork	4.5	R	3	2014	X	X	X				X		X		X		*		
OK410210010110_00	White Oak Creek	6.4	R	3	2014	I	I				I	X		X						
OK410210010120_00	Sand Springs Branch	3.4	R	3	2014	X	X				X	X		X						
OK410210010130_00	Little White Oak Creek	2.8	R	3	2014	X	X				X	X		X						
OK410210010140_00	Stevens Creek	5.3	R	3	2014	X	X				X	X		X						
OK410210020010_00	Little River	3.9	R	3	2014	I	X	X				X		X		X		*		
OK410210020020_00	**Pine Creek Lake**	**3750.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		I		I		*		
OK410210020030_00	Pine Creek	6.0	R	3	2014	X	X	X				X		X		X		*		
OK410210020040_00	Big Branch	2.4	R	3	2014	X	X				X	X		X						
OK410210020050_00	Rock Creek	4.5	R	3	2014	X	X				X	X		X						
OK410210020070_00	Long Creek	6.1	R	3	2014	X	X				X	X		X						
OK410210020080_00	Wilson Creek	6.8	R	3	2014	X	X				X	X		X						
OK410210020090_00	Long Creek, North	3.3	R	3	2014	X	X				X	X		X						
OK410210020100_00	Long Creek, South	2.6	R	3	2014	X	X				X	X		X						
OK410210020110_00	Turkey Creek	11.8	R	3	2014	X	X				X	X		X						
OK410210020120_00	Turkey Creek, North	4.7	R	3	2014	X	X				X	X		X						
OK410210020130_00	Little Turkey Creek	5.2	R	3	2014	X	X				X	X		X						
OK410210020140_00	**Little River**	**24.7**	**R**	**5a**	**TMDL**	I	F	**N**				F		**N**		F		*		
OK410210020140_10	Little River	2.6	R	3	2014	X	X	X				X		X		X		*		
OK410210020150_00	**Terrapin Creek**	**13.5**	**R**	**5a**	**TMDL**	F	F	**N**				X		F		X		*		
OK410210020160_00	Deer Creek	4.7	R	3	2014	X	X				X	X		X						
OK410210020170_00	Terrapin Creek, West	12.5	R	3	2014	X	X				X	X		X						
OK410210020180_00	Terrapin Creek, Middle	5.7	R	3	2014	X	X				X	X		X						
OK410210020190_00	Terrapin Creek, East	6.5	R	3	2014	X	X				X	X		X						

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OK410210020200_00	Salt Creek	5.2	R	3	2014	X	X				X	X		X						
OK410210020210_00	Houston Creek	4.7	R	3	2014	X	X	X				X		X		X		*		
OK410210020220_00	Rain Creek	4.3	R	3	2014	X	X				X	X		X						
OK410210020230_00	Can Creek	3.6	R	3	2014	X	X				X	X		X						
OK410210020240_00	Caney Creek	11.1	R	3	2014	I	I	X				X		X						
OK410210020250_00	Rock Pen Creek	5.3	R	3	2014	X	X				X	X		X						
OK410210020260_00	Holly Creek	7.2	R	3	2014	I	I				I	X		X						
OK410210020270_00	Holly Creek, South	6.4	R	3	2014	X	X				X	X		X						
OK410210020280_00	Devil's Backbone Creek	3.5	R	3	2014	X	X				X	X		X						
OK410210020290_00	Holly Creek, North	6.6	R	3	2014	X	X				X	X		X						
OK410210020300_00	**Cloudy Creek**	**25.6**	**R**	**5a**	**TMDL**	F	F	**N**				X		F		X		*		
OK410210020310_00	Big Branch	2.2	R	3	2014	X	X				X	X		X						
OK410210020320_00	Brushy Creek	8.6	R	3	2014	X	X				X	X		X						
OK410210020330_00	Bullpen Creek	3.2	R	3	2014	X	X				X	X		X						
OK410210020340_00	Brushy Creek, North	5.0	R	3	2014	X	X				X	X		X						
OK410210020350_00	Dog Creek	3.6	R	3	2014	X	X				X	X		X						
OK410210020360_00	Harris Creek	3.1	R	3	2014	X	X				X	X		X						
OK410210020370_00	Bear Canyon Creek	4.0	R	3	2014	X	X				X	X		X						
OK410210020380_00	Pickens Creek	11.2	R	3	2014	I	I				I	X		X						
OK410210020390_00	Buzzard Creek	4.1	R	3	2014	X	X				X	X		X						
OK410210020400_00	Pickens Creek, North	4.8	R	3	2014	X	X				X	X		X						
OK410210020410_00	Harris Creek	4.6	R	3	2014	X	X				X	X		X						
OK410210020420_00	Harris Creek, North	3.9	R	3	2014	X	X				X	X		X						
OK410210020430_00	Jack Creek	7.7	R	3	2014	X	X	X				X		X		X		*		

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OK410210020450_00	Watson Creek	6.0	R	3	2014	I	I				I	X		X						
OK410210020460_00	Watson Creek, North	4.6	R	3	2014	X	X				X	X		X						
OK410210020470_00	Watson Creek, South	4.0	R	3	2014	X	X				X	X		X						
OK410210030010_00	Little River	39.7	R	3	2014	X	X	X				X		X		X		*		
OK410210030020_00	**Little River, Black Fork**	**31.0**	**R**	**5a**	**TMDL**	I	F	**N**				X		F		X		*		
OK410210030030_00	Cripple Creek	10.9	R	3	2014	X	X				X	X		X						
OK410210030040_00	Buzzard Creek	6.0	R	3	2014	X	X				X	X		X						
OK410210030050_00	Hardy Creek	4.4	R	3	2014	X	X				X	X		X						
OK410210030060_00	Long Creek	7.6	R	3	2014	X	X				X	X		X						
OK410210030070_00	Garland Creek	6.8	R	3	2014		X				X	X		X						
OK410210030080_00	Davis Branch	4.6	R	3	2014	X	X				X	X		X						
OK410210030090_00	Paley Creek	4.7	R	3	2014	X	X				X	X		X						
OK410210030100_00	Le Flore Creek	3.8	R	3	2014	X	X				X	X		X						
OK410210030110_00	Polecat Creek	2.1	R	3	2014	X	X				X	X		X						
OK410210030120_00	Wildhorse Creek	8.2	R	3	2014	X	X				X	X		X						
OK410210030130_00	Uphill Creek	5.0	R	3	2014	X	X				X	X		X						
OK410210030140_00	Cedar Creek	2.9	R	3	2014	X	X				X	X		X						
OK410210030150_00	Honobia Creek	22.2	R	3	2014	I	I				I	X		X						
OK410210030160_00	Crane Hollow Creek	3.6	R	3	2014	X	X				X	X		X						
OK410210030170_00	Dutchman Ridge Creek	2.8	R	3	2014	X	X				X	X		X						
OK410210030180_00	Deadman Hollow Creek	4.5	R	3	2014	X	X				X	X		X						
OK410210030190_00	Brushy Creek	4.6	R	3	2014	X	X				X	X		X						
OK410210030200_00	Holly Creek	4.1	R	3	2014	X	X				X	X		X						
OK410210030220_00	Cowhead Divide Creek	2.5	R	3	2014	X	X				X	X		X						

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OK410210030230_00	Little Rock Creek	6.7	R	3	2014	X	X				X	X		X						
OK410210030240_00	Fisher Branch	3.1	R	3	2014	X	X				X	X		X						
OK410210030260_00	Cedar Creek	2.8	R	3	2014	X	X				X	X		X						
OK410210030270_00	Rock Creek	5.3	R	3	2014	X	X				X	X		X						
OK410210040010_00	Little River, Mountain Fork	8.7	R	3	2009	X	X	X				X		X		X		*		
OK410210040010_10	**Little River, Mountain Fork**	**1.1**	**R**	**5a**	**TMDL**	I	F			**N**		I		**N**		F		*		
OK410210040020_00	Luksuklo Creek	14.7	R	3	2014	X	X				X	X		X						
OK410210040030_00	Lick Creek	9.0	R	3	2014	X	X				X	X		X						
OK410210040040_00	Lick Creek Branch	1.7	R	3	2014	X	X				X	X		X						
OK410210040050_00	Little River, Mountain Fork	9.1	R	3	2014	X	X			X		X		X		X		*		
OK410210040060_00	Cooper Creek	6.2	R	3	2014	X	X				X	X		X						
OK410210040070_00	Rough Branch	2.3	R	3	2014	X	X				X	X		X						
OK410210040080_00	Horsepen Creek	1.8	R	3	2014	X	X				X	X		X						
OK410210040090_00	Slate Branch	2.8	R	3	2014	X	X				X	X		X						
OK410210040100_00	Carnasaw Creek	1.5	R	3	2014	X	X				X	X		X						
OK410210040110_00	Beaver Creek	2.3	R	3	2014	X	X				X	X		X						
OK410210040120_00	Bee Branch	1.8	R	3	2014	X	X				X	X		X						
OK410210050010_00	Little River, Mountain Fork	2.2	R	3	2014	X	X			X		X		X		X		*		
OK410210050020_00	**Broken Bow Lake**	**14200.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F		I				*
OK410210050040_00	Biggam Creek	2.1	R	3	2014	X	X				X	X		X						
OK410210050060_00	Walford Creek	2.3	R	3	2014	X	X				X	X		X						
OK410210050090_00	Cedar Creek	3.1	R	3	2014	X	X				X	X		X						
OK410210050100_00	Lower Cedar Creek	2.5	R	3	2014	X	X				X	X		X						
OK410210050110_00	Cedar Creek, North	1.8	R	3	2014	X	X				X	X		X						

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OK410210050120_00	Fivemile Hollow Creek	2.8	R	3	2014	X	X				X	X		X						
OK410210050130_00	Nancy Branch	2.1	R	3	2014	X	X	X				X		X		X				*
OK410210050140_00	Egypt Creek	3.4	R	3	2014	X	X	X				X		X		X				*
OK410210050170_00	Bee Creek	3.1	R	3	2014	X	X				X	X		X						
OK410210050180_00	Bee Creek, North	3.4	R	3	2014	X	X				X	X		X						
OK410210050190_00	Otter Creek	7.1	R	3	2014	X	X	X				X		X		X				*
OK410210050200_00	Otter Creek, East	3.2	R	3	2014	X	X				X	X		X						
OK410210050210_00	Bear Creek	2.1	R	3	2014	X	X				X	X		X						
OK410210050220_00	Cane Creek	3.6	R	3	2014	X	X				X	X		X						
OK410210050240_00	Holly Creek, North	4.8	R	3	2014	X	X				X	X		X						
OK410210050250_00	Holly Creek, South	4.2	R	3	2014	X	X				X	X		X						
OK410210050270_00	Linson Creek, North	7.0	R	3	2014	X	X				X	X		X						
OK410210050280_00	Linson Creek, South	5.2	R	3	2014	X	X				X	X		X						
OK410210050290_00	Gar Creek	3.2	R	3	2014	X	X				X	X		X						
OK410210050300_00	Panther Branch	4.8	R	3	2014	X	X				X	X		X						
OK410210050310_00	Chee Creek	2.0	R	3	2014	X	X				X	X		X						
OK410210050320_00	Turkey Creek	6.4	R	3	2014	X	X				X	X		X						
OK410210050330_00	Hee Creek	2.6	R	3	2014	X	X				X	X		X						
OK410210050340_00	Buck Creek	3.9	R	3	2014	X	X				X	X		X						
OK410210050350_00	Hudson Creek	2.1	R	3	2014	X	X				X	X		X						
OK410210050360_00	Panther Creek	5.1	R	3	2014	X	X	X				X		X		X			*	
OK410210060010_00	Little River, Mountain Fork	0.5	R	3	2009	X	X	X				X		X		X				*
OK410210060010_10	**Little River, Mountain Fork**	**28.1**	**R**	**5a**	**TMDL**	**N**	F	**N**				F		**N**		F			*	
OK410210060020_00	**Buffalo Creek**	**23.4**	**R**	**5a**	**TMDL**	F	F	**N**				X		I		X				*

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OK410210060030_00	Big Hudson Creek	6.3	R	3	2014	I	I	X				X		X						
OK410210060040_00	Little Hudson Creek	3.2	R	3	2014	X	X				X	X		X						
OK410210060050_00	Little Dry Creek	7.1	R	3	2014	X	X				X	X		X						
OK410210060060_00	Mine Creek	3.2	R	3	2014	I	I	X				X		X						
OK410210060080_00	Rock Creek	3.7	R	3	2014	X	X				X	X		X						
OK410210060100_00	Boktuklo Creek	15.3	R	3	2014	X	X	X				X		X		X			*	
OK410210060110_00	Blue Creek	3.1	R	3	2014	X	X	X				X		X		X			*	
OK410210060120_00	Boktuklo Creek, East	9.9	R	3	2014	I	I				I	X		X						
OK410210060130_00	Ward Creek	1.7	R	3	2014	X	X				X	X		X						
OK410210060140_00	Ramos Creek	4.1	R	3	2014	X	X				X	X		X						
OK410210060150_00	Roosevelt Creek	6.6	R	3	2014	X	X				X	X		X						
OK410210060160_00	**Big Eagle Creek**	**20.5**	**R**	**5a**	**TMDL**	F	F	**N**				X		I		X			*	
OK410210060170_00	Little Eagle Creek	10.1	R	3	2014	I	I	I				X		X		X			*	
OK410210060190_00	Potts Creek	4.5	R	3	2014	X	X				X	X		X						
OK410210060210_00	Cucumber Creek	10.7	R	2	2014	I	I	F				X		X		X			*	
OK410210060220_00	Saddle Rock Creek	4.7	R	3	2014	X	X				X	X		X						
OK410210060240_00	Rock Creek	10.0	R	3	2014	I	I				I	X		X						
OK410210060250_00	Hurricane Creek	9.6	R	3	2014	X	X				X	X		X						
OK410210060270_00	Dry Creek	10.2	R	3	2014	I	I				I	X		X						
OK410210060280_00	Mudlick Creek	3.5	R	3	2014	X	X				X	X		X						
OK410210060290_00	Panther Creek	2.2	R	3	2014	X	X				X	X		X						
OK410210060310_00	Sixmile Creek	3.9	R	3	2014	I	I				I	X		X						
OK410210060320_00	**Beech Creek**	**12.7**	**R**	**5a**	**TMDL**	F	F	**N**				X		I		X			*	
OK410210060330_00	Turkey Snout Creek	2.6	R	3	2014	X	X	X				X		X		X			*	

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OK410210060340_00	Caney Creek	2.6	R	3	2014	X	X				X	X		X						
OK410210060350_00	**Cow Creek**	**11.0**	**R**	**5a**	**TMDL**	F	F	**N**				X		I		X			*	
OK410210060360_00	Murry Creek	3.9	R	3	2014	X	X				X	X		X						
OK410210060370_00	Little Cow Creek	4.3	R	3	2014	X	X	X				X		X		X			*	
OK410210060380_00	Little River, Mountain Fork	3.9	R	3	2014	X	X	X				X		X		X			*	
OK410210060390_00	Mackey Creek	0.6	R	3	2014	X	X				X	X		X						
OK410210060400_00	Horsepen Creek	3.6	R	3	2014	X	X				X	X		X						
OK410210060410_00	Dark Hollow Creek	2.5	R	3	2014	X	X				X	X		X						
OK410210060420_00	Richmond Creek	1.9	R	3	2014	X	X				X	X		X						
OK410210060430_00	Brushy Creek	1.9	R	3	2014	X	X				X	X		X						
OK410210060440_00	Wilcox Branch	0.9	R	3	2014	X	X	X				X		X		X			*	
OK410210070010_00	**Lukfata Creek**	**17.8**	**R**	**5a**	**TMDL**	I	F	**N**				X		I		X		*		
OK410210070020_00	Stephens Branch	4.5	R	3	2014	X	X				X	X		X						
OK410210070030_00	Briar Branch	2.6	R	3	2014	X	X				X	X		X						
OK410210070040_00	Lufkata Creek, West Fork	3.7	R	3	2014	X	X				X	X		X						
OK410210070050_00	Lufkata Creek, East Fork	3.2	R	3	2014	X	X				X	X		X						
OK410210070060_00	Lufkata Creek, Middle Fork	3.1	R	3	2014	X	X				X	X		X						
OK410210080010_00	**Glover River**	**34.0**	**R**	**5a**	**TMDL**	F	F	**N**				F		F		F		*		
OK410210080020_00	Mitchell Creek	4.0	R	3	2014	X	X				X	X		X						
OK410210080030_00	Harkin Franklin Creek	2.7	R	3	2014	X	X				X	X		X						
OK410210080040_00	Benningfield Creek	4.1	R	3	2014	X	X				X	X		X						
OK410210080050_00	Fifteen Creek	2.6	R	3	2014	X	X				X	X		X						
OK410210080060_00	Gibbs Creek	3.8	R	3	2014	X	X				X	X		X						
OK410210080070_00	Colbert Creek	5.0	R	3	2014	X	X				X	X		X						

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OK410210080080_00	Lost Springs Creek	3.8	R	3	2014	X	X				X	X		X						
OK410210080090_00	Tidwell Creek	3.8	R	3	2014	X	X				X	X		X						
OK410210080100_00	Caney Creek	2.2	R	3	2014	X	X				X	X		X						
OK410210080110_00	Lebow Hollow Creek	2.2	R	3	2014	X	X				X	X		X						
OK410210080120_00	Cedar Creek	11.3	R	2	2014	I	I	F				X		X		X		*		
OK410210080130_00	Cedar Creek, North	3.1	R	3	2014	X	X				X	X		X						
OK410210080140_00	Cedar Creek, South	3.5	R	3	2014	X	X				X	X		X						
OK410210080150_00	Brigham Young Springs Creek	2.0	R	3	2014	X	X				X	X		X						
OK410210080160_00	Shell Rock Creek	4.8	R	3	2014	X	X				X	X		X						
OK410210080170_00	Wolf Hollow Creek	3.0	R	3	2014	X	X				X	X		X						
OK410210080180_00	Whiskey Branch	1.9	R	3	2014	X	X				X	X		X						
OK410210080190_00	Shorty Cox Hollow Creek	1.9	R	3	2014	X	X				X	X		X						
OK410210080200_00	Burks Hollow Creek	2.2	R	3	2014	X	X				X	X		X						
OK410210080210_00	Carter Creek	11.3	R	3	2014	X	X	X				X		X		X		*		
OK410210080220_00	Carter Creek, North	7.9	R	3	2014	X	X				X	X		X						
OK410210080230_00	Carter Creek, Middle	6.0	R	3	2014	X	X				X	X		X						
OK410210080240_00	Mud Creek	1.9	R	3	2014	X	X				X	X		X						
OK410210080250_00	Carter Creek, South	2.1	R	3	2014	X	X				X	X		X						
OK410210080260_00	Beeman Creek	3.8	R	3	2014	X	X				X	X		X						
OK410210080270_00	Pine Creek	5.8	R	3	2014	X	X	X				X		X		X		*		
OK410210080280_00	Canyon Creek	5.9	R	3	2014	X	X				X	X		X						
OK410210080290_00	Little Pine Creek	6.6	R	3	2014	X	X	X				X		X		X		*		
OK410210090010_00	Glover River, East Fork	21.6	R	1	2014	F	F	F				F		F		F		*		
OK410210090020_00	Willis Creek	6.7	R	3	2014	X	X				X	X		X						

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OK410210090030_00	Coon Creek	12.3	R	3	2014	X	X				X	X		X						
OK410210090050_00	Carpenter Branch	4.7	R	3	2014	X	X				X	X		X						
OK410210090070_00	Glover River, West Fork	20.7	R	2	2014	F	F	I				X		X		X		*		
OK410210090080_00	Rocky Creek	6.1	R	3	2014	X	X				X	X		X						
OK410210090090_00	Winship Branch	3.7	R	3	2014	X	X				X	X		X						
OK410210090100_00	Silver Creek	12.0	R	3	2014	I	I				I	X		X						
OK410210090110_00	Little Silver Creek	9.0	R	3	2014	X	X				X	X		X						
OK410210090120_00	Little Silver Creek, West	5.7	R	3	2014	X	X				X	X		X						
OK410210090130_00	Little Silver Creek, East	3.3	R	3	2014	X	X				X	X		X						
OK410210090140_00	Edwards Creek	3.3	R	3	2014	X	X				X	X		X						
OK410210090150_00	Watson Branch	1.5	R	3	2014	X	X				X	X		X						
OK410210090160_00	Bluff Creek	3.7	R	3	2014	X	X	X				X		X		X		*		
OK410210090170_00	Blackwell Branch	2.5	R	3	2014	X	X				X	X		X						
OK410210090180_00	East Creek	7.0	R	3	2014	I	I				I	X		X						
OK410210090190_00	Dog Creek	4.1	R	3	2014	X	X				X	X		X						
OK410300010010_00	**Kiamichi River**	**18.1**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		**N**		F				
OK410300010020_00	**Gates Creek**	**4.9**	**R**	**5a**	**TMDL**	I	F	**N**				X		F		X				
OK410300010030_00	Gates Creek	12.8	R	3	2014	X	X	X				X		X		X				
OK410300010040_00	**Raymond Gary Lake**	**263.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		I						
OK410300010050_00	Cedar Creek	2.6	R	3	2014	X	X				X	X		X						
OK410300010060_00	Negro Creek	2.5	R	3	2014	X	X		X			X			X					
OK410300010070_00	Cold Springs Branch	4.2	R	3	2014	X	X				X	X		X						
OK410300010080_00	Bull Creek	7.5	R	3	2014	X	X				X	X		X						
OK410300010090_00	Tuttle Creek	4.8	R	3	2014	X	X				X	X		X						

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OK410300010100_00	**Bird Creek**	**8.1**	**R**	**5a**	**TMDL**	F	F				**N**	X		I		I				
OK410300010110_00	Sandy Branch	2.8	R	3	2014	X	X				X	X		X						
OK410300010120_00	Rock Creek	4.7	R	3	2014	X	X				X	X		X						
OK410300010130_00	Rock Creek	4.6	R	3	2014	X	X				X	X		X						
OK410300020010_10	Kiamichi River	15.5	R	3	2014	X	X				X	X		X		X				
OK410300020020_00	**Hugo Lake**	**13250.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		I		I				
OK410300020030_00	Cedar Creek	6.9	R	3	2014	X	X				X	X		X						
OK410300020040_00	Salt Creek	0.8	R	3	2014	X	X				X	X		X						
OK410300020050_00	Wire Branch	4.6	R	3	2014	X	X				X	X		X						
OK410300020060_00	Kiamichi River, North Fork	11.0	R	3	2014	I	I				I	X		X		X				
OK410300020070_00	Miller Creek	3.9	R	3	2014	X	X				X	X		X						
OK410300020080_00	Long Creek	5.9	R	3	2014	X	X				X	X		X		X				
OK410300020100_00	Holly Creek, North Fork	3.4	R	3	2014	X	X				X	X		X						
OK410300020110_00	Holly Creek, South Fork	3.4	R	3	2014	X	X				X	X		X						
OK410300020120_00	Schooler Lake	1.0	L	3	2016	X	X				X	X		X						
OK410300020130_00	Frazier Creek	15.6	R	3	2014	X	X	X				X		X		X				
OK410300020140_00	Spencer Creek	12.0	R	3	2014	X	X				X	X		X						
OK410300020150_00	Hampton Creek	2.5	R	3	2014	X	X				X	X		X						
OK410300020160_00	Hog Creek	5.7	R	3	2014	X	X				X	X		X						
OK410300020170_00	Crooked Creek	4.7	R	3	2014	X	X				X	X		X						
OK410300020180_00	South Branch	5.4	R	3	2014	X	X				X	X		X						
OK410300020190_00	**Rock Creek**	**14.0**	**R**	**5a**	**TMDL**	I	F	**N**				X		**N**		X				
OK410300020200_00	Possum Creek	6.5	R	3	2014	X	X				X	X		X						
OK410300020210_00	Fish Creek	6.2	R	3	2014	X	X				X	X		X						

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OK410300020220_00	**Ozzie Cobb Lake**	**116.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		F						
OK410300020230_00	One Creek	10.6	R	3	2014	X	X				X	X		X						
OK410300020240_00	Holly Branch	2.6	R	3	2014	X	X				X	X		X						
OK410300020250_00	Negro Creek	6.3	R	3	2014	X	X				X	X		X						
OK410300020260_00	Hagerman Creek	3.2	R	3	2014	X	X				X	X		X						
OK410300020270_00	Mill Creek	5.7	R	3	2014	X	X				X	X		X						
OK410300020280_00	Big Waterhole Creek	8.2	R	3	2014	X	X				X	X		X						
OK410300020300_00	Little Waterhole Creek	3.1	R	3	2014	X	X				X	X		X						
OK410300020310_00	Duck Creek	5.7	R	3	2014	X	X				X	X		X						
OK410300030010_00	Kiamichi River	3.0	R	3	2009	X	X				X	X		X		X				
OK410300030010_10	**Kiamichi River**	**10.3**	**R**	**5a**	**TMDL**	I	F				**N**	I		**N**		F				
OK410300030010_20	Kiamichi River	11.4	R	3	2009	X	X				X	X		X		X				
OK410300030020_00	Cedar Creek	7.3	R	3	2014	X	X	X				X		X		X		*		
OK410300030020_10	**Cedar Creek**	**23.4**	**R**	**5a**	**TMDL**	F	F	**N**				X		F		X		*		
OK410300030030_00	Briar Branch	2.3	R	3	2014	X	X				X	X		X						
OK410300030040_00	Bitter Creek	7.4	R	3	2014	X	X				X	X		X						
OK410300030050_00	Chickasaw Creek	6.4	R	3	2014	X	X				X	X		X						
OK410300030060_00	**One Creek**	**19.7**	**R**	**5a**	**TMDL**	F	F				**N**	X		F						
OK410300030070_00	Medicine Springs Creek	2.6	R	3	2014	X	X				X	X		X						
OK410300030080_00	One Creek, North	9.0	R	3	2014	X	X				X	X		X						
OK410300030090_00	One Creek, Middle	7.9	R	3	2014	X	X				X	X		X						
OK410300030100_00	Dog Creek	4.8	R	3	2014	X	X				X	X		X						
OK410300030110_00	West Fork Creek	11.8	R	3	2014	X	X				X	X		X						
OK410300030120_00	Turkey Creek	5.0	R	3	2014	X	X				X	X		X						

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OK410300030130_00	Stovepipe Creek	3.0	R	3	2014	X	X				X	X		X						
OK410300030140_00	Possum Creek	5.0	R	3	2014	X	X				X	X		X						
OK410300030150_00	Snow Creek	3.1	R	3	2014	X	X				X	X		X						
OK410300030160_00	Caney Creek	13.7	R	3	2014	X	X				X	X		X						
OK410300030170_00	Cedar Creek, North	5.4	R	3	2014	X	X				X	X		X						
OK410300030180_00	Little Cedar Creek	7.1	R	3	2014	X	X				X	X		X						
OK410300030190_00	Little Cedar Creek Lake	1.0	L	3	2016	X	X				X	X		X						
OK410300030200_00	Beaver Creek	12.0	R	3	2014	X	X				X	X		X		X				
OK410300030210_00	**Dumpling Creek**	**13.7**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**						
OK410300030220_00	Charlie Creek	3.9	R	3	2014	X	X				X	X		X						
OK410300030230_00	Coffee Creek	3.7	R	3	2014	X	X				X	X		X						
OK410300030240_00	Judge Cox Branch	3.8	R	3	2014	X	X				X	X		X						
OK410300030250_00	Panther Creek	4.8	R	3	2014	X	X				X	X		X						
OK410300030260_00	Caroline Creek	3.4	R	3	2014	X	X				X	X		X						
OK410300030270_00	**Tenmile Creek**	**35.8**	**R**	**5a**	**TMDL**	I	F				**N**	X		**N**		I				
OK410300030280_00	Rock Creek	4.1	R	3	2014	X	X				X	X		X						
OK410300030290_00	Stink Branch	2.5	R	3	2014	X	X				X	X		X						
OK410300030300_00	Cole Creek	5.6	R	3	2014	X	X				X	X		X						
OK410300030310_00	Hampton Creek	5.6	R	3	2014	X	X				X	X		X						
OK410300030320_00	Davenport Creek	7.8	R	3	2014	X	X				X	X		X						
OK410300030330_00	Little Davenport Creek	4.5	R	3	2014	X	X				X	X		X						
OK410300030340_00	Yerby Branch	2.2	R	3	2014	X	X				X	X		X						
OK410300030350_00	Rough Hollow Creek	2.4	R	3	2014	X	X				X	X		X						
OK410300030360_00	Pine Creek	3.9	R	3	2014	X	X				X	X		X						

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OK410300030370_00	Clear Creek	13.0	R	3	2014	X	X				X	X		X						
OK410300030380_00	Little Tenmile Creek	5.8	R	3	2014	X	X				X	X		X						
OK410300030400_00	Cobb Lake	1.0	L	3	2016	X	X				X	X		X						
OK410300030410_00	Frederick Creek	2.8	R	3	2014	X	X				X	X		X						
OK410300030420_00	**Buck Creek**	**35.6**	**R**	**5a**	**TMDL**	F	F				F	X		**N**		X				
OK410300030430_00	Whiskey Creek	3.6	R	3	2014	X	X				X	X		X						
OK410300030440_00	Clay Branch	2.2	R	3	2014	X	X				X	X		X						
OK410300030450_00	Wildhorse Creek	6.8	R	3	2014	X	X				X	X		X						
OK410300030460_00	Little Wildhorse Creek	3.1	R	3	2014	X	X				X	X		X						
OK410300030470_00	Kimbrough Creek	5.2	R	3	2014	X	X				X	X		X						
OK410300030480_00	Shorty Creek	6.3	R	3	2014	X	X				X	X		X						
OK410300030490_00	Fobb Creek	11.6	R	3	2014	X	X				X	X		X						
OK410300030500_00	Cole Creek	7.6	R	3	2014	X	X				X	X		X						
OK410300030510_00	Happy Hollow Creek	3.9	R	3	2014	X	X				X	X		X		X				
OK410300030520_00	Grassy Creek	4.2	R	3	2014	X	X				X	X		X		X				
OK410300030530_00	Robinson Creek	5.0	R	3	2014	X	X				X	X		X						
OK410300030540_00	Grassy Creek	3.8	R	3	2014	X	X				X	X		X						
OK410300030550_00	Lily Pond Creek	3.2	R	3	2014	X	X				X	X		X						
OK410300030560_00	Mud Creek	2.7	R	3	2014	X	X				X	X		X						
OK410300030570_00	Kiamichi River	24.4	R	3	2014	X	X				X	X		X		X				
OK410300030570_10	Kiamichi River	2.0	R	3	2014	X	X				X	X		X		X				
OK410300030580_00	**Pine Creek**	**23.5**	**R**	**5a**	**TMDL**	F	F				**N**	X		I						
OK410300030590_00	Wildcat Creek	8.3	R	3	2014	X	X				X	X		X						
OK410300030600_00	Marble Creek	8.2	R	3	2014	X	X				X	X		X						

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OK410300030610_00	Caney Creek	15.7	R	3	2014	X	X				X	X		X						
OK410300030620_00	Spring Branch	1.2	R	3	2014	X	X				X	X		X						
OK410300030630_00	Silver Creek	4.7	R	3	2014	X	X				X	X		X						
OK410300030640_00	John's Creek	2.1	R	3	2014	X	X				X	X		X						
OK410300030650_00	Fobb Creek	3.1	R	3	2014	X	X				X	X		X						
OK410300030660_00	Peveyhouse Creek	3.1	R	3	2014	X	X				X	X		X						
OK410300030670_00	Bull Creek	5.2	R	3	2014	X	X				X	X		X						
OK410300030680_00	Long Bell Creek	5.3	R	3	2014	X	X				X	X		X						
OK410300030690_00	Hackett Creek	5.0	R	3	2014	X	X				X	X		X						
OK410300030700_00	Beulah Creek	4.2	R	3	2014	X	X				X	X		X						
OK410300030710_00	Crumb Creek	9.6	R	3	2014	X	X				X	X		X						
OK410300030720_00	Stanley Creek, South	1.6	R	3	2014	X	X				X	X		X						
OK410300030730_00	Little Cedar Creek	5.3	R	3	2014	X	X				X	X		X						
OK410300030740_00	Clayton Creek, West	1.1	R	3	2014	X	X				X	X		X						
OK410300030750_00	Peterson Creek	6.3	R	3	2014	X	X				X	X		X						
OK410300030760_00	Peal Creek	7.5	R	3	2014	X	X				X	X		X		X				*
OK410300030770_00	Hurd Creek	7.4	R	3	2014	X	X				X	X		X						
OK410300030780_00	Clayton Lake	95.0	L	3	2016	X	X				X	X		X		X				*
OK410310010010_00	**Kiamichi River**	**26.4**	**R**	**5b**	**TMDL**	I	F				**N**	F		**N**		F				
OK410310010020_00	Jackfork Creek	2.8	R	2	2009	I	X				I	X		X		F				*
OK410310010030_00	Terryland Creek	2.3	R	3	2014	X	X				X	X		X						
OK410310010040_00	Nanih Waiya Creek	2.0	R	3	2009	I	I				I	I		X		I				
OK410310010050_00	**Nanih Waiya Lake**	**131.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F						
OK410310010060_00	Old Choctaw Creek	1.5	R	3	2014	X	X				X	X		X						

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OK410310010070_00	**Dry Creek**	**6.5**	**R**	**5a**	**TMDL**	F	**N**				I	X		**N**						
OK410310010090_00	Walnut Creek	3.4	R	3	2014	X	X				X	X		X						
OK410310010100_00	Walntu Creek, North Fork	5.8	R	3	2014	X	X				X	X		X						
OK410310010110_00	Walnut Creek, South Fork	3.4	R	3	2014	X	X				X	X		X						
OK410310010140_00	Albion Creek	6.1	R	3	2014	X	X				X	X		X						
OK410310010150_00	Clear Creek	2.6	R	3	2014	X	X				X	X		X						
OK410310010170_00	Rock Creek	8.2	R	3	2014	X	X				X	X		X		X				
OK410310010180_00	Prairie Creek	5.9	R	3	2014	X	X				X	X		X						
OK410310010190_00	Jackson Creek	8.0	R	3	2014	X	X				X	X		X						
OK410310010200_00	Rock Creek, East Fork	7.1	R	3	2014	X	X				X	X		X						
OK410310010210_00	Rock Creek	4.7	R	3	2009	I	I				I	X		X		I				*
OK410310010220_00	**Carl Albert Lake**	**183.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F		I				*
OK410310010230_00	**Talihina Lake**	**25.0**	**L**	**5a**	**TMDL**	X	I				**N**	X		X		X				*
OK410310020010_00	Kiamichi River	21.2	R	3	2009	X	X				X	X		X		X				
OK410310020010_10	**Kiamichi River**	**25.2**	**R**	**5a**	**TMDL**	F	F				**N**	F		**N**		F				
OK410310020020_00	Tombstone Creek	11.2	R	3	2014	X	X				X	X		X						
OK410310020030_00	Frazier Creek	11.1	R	3	2014	X	X				X	X		X						
OK410310020040_00	Bohannon Creek	9.4	R	3	2014	X	X				X	X		X						
OK410310020050_00	Woods Creek	6.0	R	3	2014	X	X				X	X		X						
OK410310020060_00	Sycamore Creek	9.1	R	3	2014	X	X				X	X		X						
OK410310020070_00	**Billy Creek**	**8.9**	**R**	**5a**	**TMDL**	F	F				**N**	X		I						
OK410310020080_00	Billy Creek, East	4.6	R	3	2014	X	X				X	X		X						
OK410310020090_00	Little Cedar Creek	4.2	R	3	2014	X	X				X	X		X						
OK410310020100_00	**Big Cedar Creek**	**5.8**	**R**	**5a**	**TMDL**	F	F				**N**	X		I						

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OK410310020110_00	Pigeon Creek	3.5	R	3	2014	X	X	X				X		X		X				
OK410310030020_00	**Sardis Lake**	**13610.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		I		I				*
OK410310030030_00	Buffalo Creek	10.7	R	3	2014	X	X				X	X		X		X				*
OK410310030040_00	Cedar Creek	5.4	R	3	2014	X	X				X	X		X						
OK410310030050_00	Little Buffalo Creek	6.9	R	3	2014	X	X				X	X		X						
OK410310030060_00	Anderson Creek	6.4	R	3	2014	X	X				X	X		X						
OK410310030070_00	Anderson Creek, West Fork	8.9	R	3	2014	X	X				X	X		X						
OK410310030080_00	Jackfork Creek, North Fork	21.0	R	3	2014	X	X				X	X		X		X				*
OK410310030090_00	**Bolen Creek**	**8.5**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**						
OK410310030100_00	Jackfork Creek	12.7	R	3	2014	X	X				X	X		X		X				*
OK410310030110_00	Maxwell Creek	6.7	R	3	2014	X	X				X	X		X						
OK410310030120_00	Clear Creek	11.0	R	3	2014	X	X				X	X		X						
OK410400010010_00	Red River	12.9	R	3	2009	X	X				X	X		X		X				
OK410400010010_10	Red River	12.8	R	3	2014	X	X				X	X		X		X				
OK410400010010_20	**Red River**	**4.9**	**R**	**5a**	**TMDL**	I	**N**				**N**	F		**N**		I				
OK410400010010_30	Red River	8.2	R	3	2014	X	X				X	X		X		X				
OK410400010010_40	Red River	13.6	R	3	2014	X	X				X	X		X		X				
OK410400010010_50	Red River	2.2	R	3	2014	X	X				X	X		X		X				
OK410400010010_60	Red River	6.5	R	3	2014	X	X				X	X		X		X				
OK410400010010_70	Red River	6.6	R	3	2014	X	X				X	X		X		X				
OK410400010020_00	Goodwater Creek	8.0	R	3	2014	X	X				X	X		X						
OK410400010030_00	Carney Creek	10.5	R	3	2014	X	X				X	X		X						
OK410400010040_00	**Horse Creek**	**7.8**	**R**	**5a**	**TMDL**	F	F				F	X		**N**		X				
OK410400010040_10	Horse Creek	6.9	R	3	2014	X	X				X	X			X					

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OK410400010050_00	Owl Creek	8.5	R	3	2014	X	X				X	X		X						
OK410400010060_00	Roebuck Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400010070_00	**Muddy Boggy Creek**	**21.6**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		**N**		I				
OK410400010080_00	Hanubby Creek	12.3	R	3	2014	X	X				X	X		X						
OK410400010110_00	Crowder Creek	12.1	R	3	2014	X	X				X	X		X						
OK410400010120_00	Crooked Creek	8.0	R	3	2014	X	X				X	X		X						
OK410400010130_00	**Lick Creek**	**20.2**	**R**	**5a**	**TMDL**	F	F				**N**	X		I		X				
OK410400010140_00	Rock Creek	7.8	R	3	2014	X	X				X	X		X						
OK410400010150_00	Pointer Creek	6.1	R	3	2014	X	X				X	X		X						
OK410400010160_00	Dry Pointer Creek	2.3	R	3	2014	X	X				X	X		X						
OK410400010170_00	Big Branch	3.9	R	3	2014	I	I				I	X		X						
OK410400010180_00	Beaverdam Creek	11.5	R	3	2014	I	I				I	X		X						
OK410400010190_00	Bee Creek	3.3	R	3	2014	X	X				X	X		X						
OK410400010200_00	Sugar Creek	7.9	R	3	2014	X	X				X	X		X						
OK410400010210_00	**Whitegrass Creek**	**29.7**	**R**	**5a**	**TMDL**	I	F				**N**	X		I		X				
OK410400010220_00	Dry Creek	3.9	R	3	2014	X	X				X	X		X						
OK410400010230_00	Little Dry Creek	3.5	R	3	2014	X	X				X	X		X						
OK410400010240_00	Carson Branch	4.7	R	3	2014	X	X				X	X		X						
OK410400010250_00	Frazier Creek	4.4	R	3	2014	X	X				X	X		X						
OK410400010260_00	Slash Creek	3.7	R	3	2014	X	X				X	X		X						
OK410400010270_00	Whitesand Creek	5.5	R	3	2014	X	X				X	X		X						
OK410400010280_00	Winters Creek	4.7	R	3	2014	X	X				X	X		X						
OK410400010290_00	Rabbit Creek	2.1	R	3	2014	X	X				X	X		X						
OK410400010310_00	Crane Lake	1.0	L	3	2016	X	X				X	X		X						

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OK410400020010_00	Clear Boggy Creek	33.4	R	3	2014	I	X				I	X		X		X				
OK410400020010_10	Clear Boggy Creek	8.2	R	3	2014	X	X				X	X		X		X				
OK410400020020_00	Mayhew Creek	9.7	R	3	2014	X	X				X	X		X						
OK410400020025_00	Boswell Creek!	3.0	R	3	2014	X			X			X			X					
OK410400020030_00	Ross Branch	3.8	R	3	2014	X	X				X	X		X						
OK410400020040_00	Newkirk Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400020050_00	Rocky Branch	3.2	R	3	2014	X	X				X	X		X						
OK410400020060_00	Pecan Branch	4.4	R	3	2014	X	X				X	X		X						
OK410400020070_00	Cold Springs Creek	6.6	R	3	2014	X	X				X	X		X						
OK410400020080_00	Dobbins Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400020090_00	Sandy Creek	5.7	R	3	2014	X	X				X	X		X						
OK410400020100_00	Shawnee Creek	7.6	R	3	2014	X	X				X	X		X						
OK410400020110_00	Delaware Creek	11.2	R	3	2014	X	X				X	X		X						
OK410400020120_00	Crooked Creek	2.4	R	3	2014	X	X				X	X		X						
OK410400020130_00	Harrington Creek	3.8	R	3	2014	X	X				X	X		X						
OK410400020140_00	Dancing Rabbit Creek	5.2	R	3	2014	X	X				X	X		X						
OK410400020150_00	Mossy Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400020160_00	Bois d' Arc Creek	10.0	R	3	2014	X					X	X		X						
OK410400020170_00	Straight Creek	5.6	R	3	2014	X	X				X	X		X						
OK410400020180_00	Attaway Spring Creek	0.8	R	3	2014	X	X				X	X		X						
OK410400020190_00	Odell Spring Creek	0.3	R	3	2014	X	X				X	X		X						
OK410400020200_00	**Caney Creek**	**11.7**	**R**	**5a**	**TMDL**	F	F				**N**	X		I						
OK410400020210_00	Caney Creek, West Branch	7.5	R	3	2014	X	X				X	X		X						
OK410400020220_00	Caney Creek, East Branch	2.0	R	3	2014	X	X				X	X		X						

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OK410400020230_00	Grassy Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400020240_00	Pine Creek	8.0	R	3	2014	X	X				X	X		X						
OK410400020250_00	Long Branch	7.2	R	3	2014	X	X				X	X		X						
OK410400020260_00	Cowpen Creek	12.6	R	3	2014	X	X				X	X		X						
OK410400020270_00	Little Cowpen Creek	3.8	R	3	2014	X	X				X	X		X						
OK410400020280_00	Twin Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400020290_00	Sand Creek	9.5	R	3	2014	X	X				X	X		X						
OK410400020300_00	Fronterhouse Creek	8.9	R	3	2014	X	X				X	X		X						
OK410400030010_00	**Clear Boggy Creek**	**22.8**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		**N**		I				
OK410400030020_00	**Caney Creek**	**12.4**	**R**	**5a**	**TMDL**	F	F				F	X			**N**					
OK410400030030_00	Davis Creek	9.7	R	3	2014	X	X				X	X		X						
OK410400030040_00	Caddo Creek	2.2	R	3	2014	X	X				X	X		X						
OK410400030050_00	Cat Creek	3.9	R	3	2014	X	X				X	X		X						
OK410400030060_00	Buffalo Creek	3.3	R	3	2014	X	X				X	X		X						
OK410400030070_00	Big Branch	8.4	R	3	2014	X	X				X	X		X						
OK410400030080_00	Big Slough	3.3	R	3	2014	X	X				X	X		X						
OK410400030090_00	Lain Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400030100_00	Salt Creek	6.5	R	3	2014	X	X				X	X		X						
OK410400030110_00	Rock Creek	5.8	R	3	2014	X	X				X	X		X						
OK410400030120_00	**Rock Creek Lake**	**248.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F						
OK410400030130_00	Dry Boggy Creek	10.8	R	3	2014	X	X				X	X		X						
OK410400030140_00	Watson Creek	8.3	R	3	2014	X	X				X	X		X						
OK410400030150_00	Sandy Creek	7.9	R	3	2014	X	X				X	X		X						
OK410400030160_00	Sandy Creek	14.0	R	3	2014	I	I				X	X		X						

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OK410400030170_00	Ream Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400030180_00	Birch Creek	3.6	R	3	2014	X	X				X	X		X						
OK410400030190_00	Rock Creek	4.5	R	3	2014	X	X				X	X		X						
OK410400030200_00	Clear Boggy Creek (old channel)	6.9	R	3	2014	X	X				X	X		X						
OK410400030210_00	Coon Creek	4.7	R	3	2014	X	X				X	X		X						
OK410400030230_00	Clear Boggy Creek	10.7	R	3	2014	X	X				X	X		X		X				
OK410400030230_10	Clear Boggy Creek	16.7	R	3	2014	X	X				X	X		X		X				
OK410400030240_00	**Delaware Creek**	**29.0**	**R**	**5a**	**TMDL**	F	F				F	X		**N**		X				
OK410400030250_00	Clarita Creek	10.3	R	3	2014	X	X				X	X		X						
OK410400030260_00	Walnut Branch	12.1	R	3	2014	X	X				X	X		X						
OK410400030280_00	Sandy Creek	5.3	R	3	2014	X	X				X	X		X						
OK410400030290_00	Wapanucka Creek	1.8	R	3	2014	X	X		X			X			X					
OK410400030300_00	Wapanucka City Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400030305_00	Wapanucka Creek, West	1.6	R	3	2014	X	X				X	X		X						
OK410400030310_00	Wapanucka Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400030320_00	Wide Springs Branch	3.0	R	3	2014	X	X				X	X		X						
OK410400030330_00	Houghtubby Branch	4.2	R	3	2014	X	X				X	X		X						
OK410400030340_00	Deadman Spring Creek	3.2	R	3	2014	X	X				X	X		X						
OK410400030350_00	Elm Creek	7.8	R	3	2014	X	X				X	X		X						
OK410400030360_00	Little Caney Creek	7.9	R	3	2014	X	X				X	X		X						
OK410400030370_00	**Leader Creek**	**29.6**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**						
OK410400030380_00	Owl Creek	7.9	R	3	2014	X	X				X	X		X						
OK410400030390_00	Peach Creek	6.3	R	3	2014	X	X				X	X		X						
OK410400030400_00	Tupelo Creek	2.1	R	3	2014	X	X				X	X		X						

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OK410400030410_00	Turkey Creek	5.4	R	3	2014	X	X				X	X		X						
OK410400030420_00	Coon Creek	4.5	R	3	2014	X	X				X	X		X						
OK410400030430_00	Sandy Creek	5.5	R	3	2014	X	X				X	X		X						
OK410400030440_00	Lula Creek, East	1.4	R	3	2014	X	X				X	X		X						
OK410400030450_00	Bois d' Arc Creek	3.2	R	3	2014	X	X				X	X		X						
OK410400030460_00	Bully Creek	6.3	R	3	2014	X	X				X	X		X						
OK410400030470_00	Lula Creek	2.1	R	3	2014	X	X				X	X		X						
OK410400030480_00	Leader Creek, West	4.3	R	3	2014	X	X				X	X		X						
OK410400030490_00	**Goose Creek**	**15.1**	**R**	**5a**	**TMDL**	F	F				**N**	X		I						
OK410400030510_00	Coffee Pot Spring Creek	4.4	R	3	2014	X	X				X	X		X						
OK410400030520_00	Coal Creek	16.3	R	3	2014	X	X				X	X		X						
OK410400030523_00	Diamond Creek	0.6	R	2	2009	I	F				I	X		X		I				
OK410400030530_00	Wildcat Springs Creek	0.4	R	3	2014	X	X				X	X		X						
OK410400030540_00	Rock Creek	10.6	R	3	2014	X	X				X	X		X						
OK410400030550_00	Coapont Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400040010_00	Clear Boggy Creek	30.6	R	3	2009	I	I				I	X		X		I				
OK410400040020_00	Buck Creek	13.2	R	3	2014	X	X				X	X		X						
OK410400040030_00	Owl Creek	5.2	R	3	2014	X	X				X	X		X						
OK410400040040_00	Salt Creek	4.5	R	3	2014	X	X				X	X		X						
OK410400040050_00	Buck Creek, East	5.4	R	3	2014	X	X				X	X		X						
OK410400040060_00	Buck Creek, West	6.6	R	3	2014	X	X				X	X		X						
OK410400040070_00	Sheep Creek	9.3	R	3	2009	I	I				I	X		X		I				
OK410400040080_00	Canyon Creek	6.0	R	3	2014	X	X				X	X		X						
OK410400040090_00	Mill Creek	9.6	R	2	2009	I	F				I	X		X		I				

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OK410400040100_00	Walnut Creek	5.9	R	3	2014	X	X				X	X		X						
OK410400040110_00	Bois d' Arc Creek	11.3	R	3	2014	X	X				X	X		X						
OK410400040130_00	Jack Creek	1.5	R	3	2014	X	X				X	X		X						
OK410400040140_00	Jack Creek, North	8.0	R	3	2014	X	X				X	X		X						
OK410400040150_00	Jack Creek, South	9.3	R	3	2014	X	X				X	X		X						
OK410400040160_00	Rhoda Creek	6.8	R	3	2014	X	X				X	X		X						
OK410400040170_00	**Lake Creek**	**4.0**	**R**	**5a**	**TMDL**	F	**N**				F	**N**		X		F				
OK410400040180_00	Ada Lake	108.0	L	3	2016	X	X				X	X		X						
OK410400050010_00	Muddy Boggy Creek	3.9	R	3	2014	I	X				I	X		X		X				
OK410400050010_10	Muddy Boggy Creek	29.4	R	3	2014	X	X				X	X		X		X				
OK410400050020_00	Tanyard Creek	9.3	R	3	2014	X	X				X	X		X						
OK410400050040_00	Grassy Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400050050_00	Salt Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400050060_00	Louie Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400050070_00	Boehler Lake Creek	5.1	R	3	2014	X	X				X	X		X						
OK410400050080_00	Clear Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400050090_00	Boehler Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400050100_00	Caney Creek	9.2	R	3	2014	X	X				X	X		X						
OK410400050110_00	Lamey Slash	3.3	R	3	2014	X	X				X	X		X						
OK410400050120_00	Boggy Creek Cutoff Oxbow Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400050130_00	Potubbi Creek	7.3	R	3	2014	X	X				X	X		X						
OK410400050140_00	Allen Lake Creek	1.7	R	3	2014	X	X				X	X		X						
OK410400050150_00	Allen Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400050160_00	Sand Branch	1.7	R	3	2014	X	X				X	X		X						

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OK410400050170_00	Atoka Lake Creek	1.5	R	3	2014	X	X				X	X		X						
OK410400050180_00	Atoka Lake	1.0	L	3	2008	X	X				X	X		X						
OK410400050190_00	Sandy Creek	11.8	R	3	2014	X	X				X	X		X						
OK410400050200_00	Rard Branch	2.4	R	3	2014	X	X				X	X		X						
OK410400050210_00	Cold Springs Creek	4.6	R	3	2014	X	X				X	X		X						
OK410400050220_00	Sandy Creek, East	3.1	R	3	2014	X	X				X	X		X						
OK410400050230_00	Dry Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400050240_00	Crystal Creek	0.4	R	3	2014	X	X				X	X		X						
OK410400050250_00	Crystal Creek, North	3.8	R	3	2014	X	X				X	X		X						
OK410400050260_00	Crystal Creek, South	2.6	R	3	2014	X	X				X	X		X						
OK410400050270_00	Muddy Boggy Creek	24.5	R	3	2009	X	X				X	X		X		X				
OK410400050270_10	**Muddy Boggy Creek**	**22.3**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		**N**		I				
OK410400050290_00	Medicine Branch	3.3	R	3	2014	X	X				X	X		X						
OK410400050300_00	Wilson Creek	4.6	R	3	2014	X	X				X	X		X						
OK410400050310_00	Double Springs Creek	6.0	R	3	2014	X	X				X	X		X						
OK410400050320_00	Double Springs Creek, South Branch	2.6	R	3	2014	X	X				X	X		X						
OK410400050330_00	Double Springs Creek, North Branch	2.3	R	3	2014	X	X				X	X		X						
OK410400050340_00	August Creek	5.9	R	3	2014	X	X				X	X		X						
OK410400050350_00	East Branch	2.8	R	3	2014	X	X				X	X		X						
OK410400050360_00	Cabin Creek	2.7	R	3	2014	X	X				X	X		X						
OK410400050370_00	Rock Creek	5.6	R	3	2014	X	X				X	X		X						
OK410400050380_00	Little Rock Creek	3.3	R	3	2014	X	X				X	X		X						
OK410400050390_00	Campbell Creek	4.2	R	3	2014	X	X				X	X		X						
OK410400050400_00	Prairie Hollow Creek	3.3	R	3	2014	X	X				X	X		X						

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OK410400050420_00	Chickasaw Creek	14.0	R	3	2014	X	X				X	X		X						
OK410400050430_00	Little Chickasaw Creek	6.2	R	3	2014	X	X				X	X		X						
OK410400050440_00	Rocky Creek	1.6	R	3	2014	X	X				X	X		X						
OK410400050450_00	Breadtown Creek	8.7	R	3	2014	X	X				X	X		X						
OK410400050460_00	Breadtown Creek, East	4.0	R	3	2014	X	X				X	X		X						
OK410400050470_00	Sand Creek	4.6	R	3	2014	X	X				X	X		X						
OK410400050480_00	Tumbler Creek	3.0	R	3	2014	X	X				X	X		X						
OK410400050490_00	Sandy Creek	4.2	R	3	2014	X	X				X	X		X						
OK410400050500_00	Sand Creek	6.0	R	3	2014	X	X				X	X		X						
OK410400050510_00	Atoka Lake	1.0	L	3	2008	X	X				X	X		X						
OK410400050520_00	Long Creek	5.3	R	3	2014	X	X				X	X		X						
OK410400050530_00	Thompson Creek	7.5	R	3	2014	X	X				X	X		X						
OK410400050540_00	Coal Creek	8.7	R	3	2014	X	X				X	X		X		X				
OK410400050550_00	French Henry Creek	6.9	R	3	2014	X	X				X	X		X						
OK410400050560_00	Dunford Creek	5.5	R	3	2014	X	X				X	X		X						
OK410400050570_00	Sandy Creek	2.8	R	3	2014	X	X				X	X		X						
OK410400050580_00	Brier Creek	8.9	R	3	2014	X	X				X	X		X						
OK410400050590_00	Sulphur Creek	4.9	R	3	2014	X	X				X	X		X						
OK410400060010_00	Muddy Boggy Creek	15.3	R	3	2014	X	X				X	X		X		X				
OK410400060010_10	Muddy Boggy Creek	13.5	R	3	2014	X	X				X	X		X		X				
OK410400060010_20	Muddy Boggy Creek	15.0	R	3	2014	X	X				X	X		X		X				
OK410400060010_30	**Muddy Boggy Creek**	**20.6**	**R**	**5c**	**TMDL**	I	**N**				**N**	X		X		I				
OK410400060020_00	Caney Creek	13.0	R	3	2014	X	X				X	X		X		X				
OK410400060030_00	Coon Creek	7.2	R	3	2014	X	X				X	X		X		X				

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OK410400060040_00	**Coalgate Municipal Lake**	**352.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		F		I				*
OK410400060050_00	Coon Creek, North	6.4	R	3	2014	X	X				X	X		X		X				*
OK410400060060_00	Caney Creek Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400060070_00	Coal Creek	11.4	R	3	2014	X	X				X	X		X						
OK410400060080_00	Phillips Hollow Creek	3.0	R	3	2014	X	X				X	X		X						
OK410400060090_00	Salt Creek	20.1	R	3	2014	X	X				X	X		X						
OK410400060100_00	Keel Creek	10.2	R	3	2014	X	X				X	X		X						
OK410400060110_00	Salt Creek, North	3.5	R	3	2014	X	X				X	X		X						
OK410400060120_00	**Caney Boggy Creek**	**26.5**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		X				
OK410400060140_00	Ranch Creek	12.6	R	3	2014	X	X				X	X		X						
OK410400060150_00	King Hollow Creek	3.4	R	3	2014	X	X				X	X		X						
OK410400060160_00	Sandy Creek	7.8	R	3	2014	X	X				X	X		X						
OK410400060170_00	Piney Creek	4.7	R	3	2014	X	X				X	X		X						
OK410400060180_00	Rock Creek	8.9	R	3	2014	X	X				X	X		X						
OK410400060190_00	Salt Creek	3.2	R	3	2014	X	X				X	X		X						
OK410400060200_00	Rock Creek	12.9	R	3	2014	X	X				X	X		X						
OK410400060210_00	Black Creek	7.2	R	3	2014	X	X				X	X		X						
OK410400060220_00	Cedar Creek	5.1	R	3	2014	X	X				X	X		X						
OK410400060230_00	Pine Creek	5.0	R	3	2014	X	X				X	X		X						
OK410400060240_00	Panther Creek	11.3	R	3	2014	X	X				X	X		X						
OK410400060250_00	Gerty Creek	3.5	R	3	2014	X	X				X	X		X						
OK410400060260_00	Big Sandy Creek	13.9	R	3	2014	X	X				X	X		X						
OK410400060270_00	Little Sandy Creek	7.8	R	3	2014	X	X		X			X			X					
OK410400060290_00	Sincere Creek	16.8	R	3	2014	X	X				X	X		X						

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OK410400060300_00	Little Sandy Creek	4.7	R	3	2014	X	X		X						X					
OK410400060310_00	Town Branch, Little Sandy Creek Trib	2.7	R	3	2014	X	X		X						X					
OK410400070010_00	McGee Creek	32.1	R	2	2014	I	F				F	X		I		X				*
OK410400070020_00	**McGee Creek Lake**	**3810.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F		I				*
OK410400070030_00	Crooked Oak Creek	3.9	R	3	2014	X	X				X	X		X						
OK410400070040_00	Potapo Creek	6.0	R	3	2014	X	X				X	X		X						
OK410400070050_00	Panther Creek	1.6	R	3	2014	X	X				X	X		X						
OK410400070060_00	Cat Creek	3.9	R	3	2014	X	X				X	X		X						
OK410400070070_00	Kennedy Hollow Creek	3.6	R	3	2014	X	X				X	X		X						
OK410400070080_00	Peacock Hollow Creek	2.7	R	3	2014	X	X				X	X		X						
OK410400070090_00	Prairie Hollow Creek	0.7	R	3	2014	X	X				X	X		X						
OK410400070100_00	Mill Creek	6.6	R	3	2014	X	X				X	X		X		X				
OK410400070110_00	Blue Creek	2.7	R	3	2014	X	X				X	X		X						
OK410400070140_00	Bugaboo Creek	2.1	R	3	2014	X	X				X	X		X						
OK410400070150_00	Bear Creek	3.5	R	3	2014	X	X				X	X		X						
OK410400070160_00	Little Caney Creek	4.2	R	3	2014	X	X				X	X		X						
OK410400070170_00	Grassy Branch	4.6	R	3	2014	X	X				X	X		X						
OK410400070180_00	Whiskey Hollow Branch	2.4	R	3	2014	X	X				X	X		X						
OK410400070190_00	Ray Hollow Creek	3.6	R	3	2014	X	X				X	X		X						
OK410400070200_00	Ray Creek	4.8	R	3	2014	X	X				X	X		X						
OK410400070230_00	Tommy Bond Branch	5.2	R	3	2014	X	X				X	X		X						
OK410400070250_00	Baker Branch	4.0	R	3	2014	X	X				X	X		X						
OK410400070260_00	Little Caney Creek	3.8	R	3	2014	X	X				X	X		X						
OK410400070270_00	Cedar Creek	2.8	R	3	2014	X	X				X	X		X						

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OK410400070280_00	Prairie Creek	6.1	R	3	2014	X	X				X	X		X						
OK410400070290_00	Molletuby Creek	7.2	R	3	2014	X	X				X	X		X						
OK410400070310_00	Ingersoll Creek	4.1	R	3	2014	X	X				X	X		X						
OK410400080010_00	**Boggy Creek, North**	**35.1**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**		X				*
OK410400080020_00	**Atoka Lake**	**5700.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		F		I				*
OK410400080030_00	Mill Creek	7.4	R	3	2014	X	X				X	X		X						
OK410400080040_00	McEntire Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400080050_00	Elm Creek	2.9	R	3	2014	X	X				X	X		X						
OK410400080060_00	Sub-Penitentiary Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400080070_00	Chilly Creek	3.3	R	3	2014	X	X				X	X		X						
OK410400080090_00	Troney Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400080100_00	Beck Creek	5.1	R	3	2014	X	X				X	X		X						
OK410400080110_00	Buck Creek	14.8	R	3	2014	X	X				X	X		X						
OK410400080120_00	Limestone Creek	5.9	R	3	2014	X	X				X	X		X						
OK410400080140_00	Owl Creek	5.7	R	3	2014	X	X				X	X		X						
OK410400080150_00	Roberts Creek	3.1	R	3	2014	X	X				X	X		X						
OK410400080160_00	Fivemile Creek	9.8	R	3	2014	X	X				X	X		X						
OK410400080170_00	King Creek	6.4	R	3	2014	X	X				X	X		X						
OK410400080180_00	Birch Creek	9.7	R	3	2014	X	X				X	X		X						
OK410400080190_00	Kiowa Lake Creek	4.3	R	3	2014	X	X				X	X		X						
OK410400080200_00	Kiowa Lake	1.0	L	3	2016	X	X				X	X		X						
OK410400080210_00	Sassafras Creek	5.3	R	3	2014	X	X				X	X		X						
OK410600010010_00	Blue River	48.2	R	**4a**	2009	I	F				F	F		**N**		F				
OK410600010020_00	Red Branch	5.3	R	3	2014	X	X				X	X		X						

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OK410600010030_00	**Sulphur Creek**	**14.6**	**R**	**5a**	**TMDL**	F	F				**N**	X		I						
OK410600010040_00	Wolf Creek	4.4	R	3	2014	X	X				X	X		X						
OK410600010050_00	McGee Creek	4.7	R	3	2014	X	X				X	X		X						
OK410600010060_00	Sassafras Creek	6.8	R	3	2014	X	X				X	X		X						
OK410600010070_00	Rock Branch	2.9	R	3	2014	X	X				X	X		X						
OK410600010080_00	Cherokee Lake	1.0	L	3	2016	X	X				X	X		X						
OK410600010090_00	Bokchito Creek	16.8	R	2	2014	F	F				F	X		I						
OK410600010095_00	Unnamed Tributary	2.0	R	3	2014	X	X		X			X			X					
OK410600010100_00	Chaney Creek	7.4	R	3	2014	X	X				X	X		X						
OK410600010110_00	Academy Creek	2.2	R	3	2014	X	X				X	X		X						
OK410600010120_00	Banty Spring Creek	3.7	R	3	2014	X	X				X	X		X						
OK410600010130_00	Little Creek	2.3	R	3	2014	X	X				X	X		X						
OK410600010140_00	**Caddo Creek**	**14.0**	**R**	**5a**	**TMDL**	F	F				**N**	X		I						
OK410600010150_00	Rock Creek	4.5	R	3	2014	X	X				X	X		X						
OK410600010160_00	Mail Rider Creek	5.6	R	3	2014	X	X				X	X		X						
OK410600010170_00	Rocky Branch	3.5	R	3	2014	X	X				X	X		X						
OK410600010180_00	Elm Creek	3.7	R	3	2014	X	X				X	X		X						
OK410600010190_00	Puckett Creek	2.8	R	3	2014	X	X				X	X		X						
OK410600010200_00	J-N Creek	8.0	R	3	2014	X	X				X	X		X						
OK410600010210_00	North Branch	3.3	R	3	2014	X	X				X	X		X						
OK410600010220_00	Rock Creek	2.4	R	3	2014	X	X				X	X		X						
OK410600010230_00	Cedar Creek	3.6	R	3	2014	X	X				X	X		X						
OK410600010240_00	Dude Creek	4.0	R	3	2014	X	X				X	X		X						
OK410600010250_00	Sandy Creek	3.4	R	3	2014	X	X				X	X		X		X				

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OK410600010260_00	Kanola Creek	10.8	R	3	2014	X	X				X	X		X						
OK410600010270_00	Harrington Creek	7.1	R	3	2014	X	X				X	X		X						
OK410600010280_00	Thompson Creek	5.2	R	3	2014	X	X				X	X		X						
OK410600010290_00	Blue River	15.6	R	3	2014	X	X				X	X		X		X				
OK410600010300_00	Mineral Bayou	15.5	R	2	2014	F	F				F	X		I			F			
OK410600010310_00	Chuckwa Creek	6.0	R	3	2014	X	X				X	X		X						
OK410600010320_00	Johnson Creek	4.9	R	3	2014	X	X				X	X		X						
OK410600010330_00	Simmon Creek	6.1	R	3	2014	X	X				X	X		X						
OK410600010340_00	Little Blue River	9.8	R	3	2014	X	X				X	X		X						
OK410600010350_00	Bois d' Arc Creek	8.4	R	3	2014	X	X				X	X		X						
OK410600010360_00	McClellan Creek	3.4	R	3	2014	X	X				X	X		X						
OK410600010370_00	Reeder Creek	7.8	R	3	2014	X	X				X	X		X						
OK410600010380_00	Cooper Creek	3.5	R	3	2014	X	X				X	X		X						
OK410600010390_00	Horse Creek	5.4	R	3	2014	X	X				X	X		X						
OK410600020010_00	Blue River	16.8	R	3	2014	X	X				X	X		X		X				
OK410600020010_10	Blue River	12.2	R	3	2014	X	X			X		X		X		X		*		
OK410600020010_20	Blue River	40.1	R	3	2014	X	X	X				X		X		X		*		
OK410600020020_00	**Sandy Creek**	**15.4**	**R**	**5a**	**TMDL**	F	F				F	X		**N**		X				
OK410600020030_00	Little Sandy Creek	8.2	R	3	2014	X	X				X	X		X						
OK410600020040_00	Brushy Creek	1.8	R	3	2014	X	X				X	X		X						
OK410600020050_00	Peter Sandy Creek	5.1	R	3	2014	I	I				I	X		X						
OK410600020060_00	Pecan Creek	5.2	R	3	2014	X	X				X	X		X						
OK410600020070_00	Diamond Spring Branch	4.8	R	3	2014	X	X				X	X		X						
OK410600020080_00	Little Pecan Creek	3.9	R	3	2014	X	X				X	X		X						

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OK410600020090_00	Little Blue Creek	12.1	R	3	2014	X	X				X	X		X						
OK410600020100_00	Little West Blue Creek	19.1	R	2	2014	F	F				F	X		F						
OK410600020120_00	Limestone Creek	5.4	R	3	2014	X	X				X	X		X						
OK410700000010_00	Red River	14.8	R	3	2014	X	X				X	X		X		X				
OK410700000010_10	Red River	22.2	R	3	2014	X	X				X	X		X		X				
OK410700000010_20	Red River	3.6	R	3	2014	X	X				X	X		X		X				
OK410700000010_30	Red River	2.2	R	3	2014	X	X				X	X		X		X				
OK410700000010_40	Red River	17.6	R	3	2014	X	I				I	X		X		X				
OK410700000020_00	Rice Creek	6.5	R	3	2014	X	X				X	X		X						
OK410700000030_00	Tuklo Creek	11.0	R	3	2014	X	X				X	X		X						
OK410700000040_00	Island Bayou	41.2	R	2	2014	F	I				F	X			I		F			
OK410700000050_00	Brushy Creek	3.9	R	3	2014	X	X				X	X		X						
OK410700000060_00	Jones Creek	6.3	R	3	2014	X	X				X	X		X						
OK410700000070_00	Wolf Creek	9.5	R	3	2014	X	X				X	X		X						
OK410700000080_00	Long Creek	9.4	R	3	2014	X	X				X	X		X						
OK410700000090_00	Sassafras Creek	12.5	R	3	2014	X	X				X	X		X						
OK410700000100_00	Caney Creek	18.7	R	3	2014	X	X				X	X		X						
OK410700000120_00	Caney Creek	4.5	R	**4a**	2014	X	X				X	X		X						
OK410700000130_00	Moore Creek	6.2	R	3	2014	X	X				X	X		X						
OK410700000140_00	Brown Creek	15.2	R	3	2014	X	X				X	X		X						
OK410700000150_00	Chico Creek	3.0	R	3	2014	X	X				X	X		X						
OK410700000160_00	Muddy Creek	4.4	R	3	2014	X	X				X	X		X						
OK410700000170_00	Pepper Creek	4.2	R	3	2014	X	X				X	X		X						
OK410700000180_00	Sand Creek	8.4	R	3	2014	X	X				X	X		X						

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OK410700000190_00	Sandy Creek	5.8	R	3	2014	X	X				X	X		X						
OK410700000200_00	Greenwood Creek	2.7	R	3	2014	X	X				X	X		X						
OK410700000210_00	Webb Creek	7.1	R	3	2014	X	X				X	X		X						
OK410700000220_00	Rock Creek	3.5	R	3	2014	X	X				X	X		X						
OK410700000230_00	Eastman Creek	7.2	R	**4a**	2009	I	F				I	X		**N**						
OK410700000240_00	Kodac Creek	4.4	R	3	2014	X	X				X	X		X						
OK410700000250_00	Sandy Creek	10.1	R	3	2014	X	X				X	X		X		X				
OK410700000260_00	Sand Creek	12.0	R	2	2014	F	F				F	X		I						
OK410700000270_00	Little Sand Creek	8.8	R	3	2014	X	X				X	X		X						
OK520500010020_00	**Eufaula Lake, N. Canadian River Arm**	**17583.0**	**L**	**5a**	**TMDL**	I	I				**N**	X		I		I				
OK520500010030_00	Carr Creek	6.4	R	3	2017	X	X				X	X		X						
OK520500010040_00	Nellie Creek	3.6	R	3	2017	X	X				X	X		X						
OK520500010050_00	Fivemile Creek	2.3	R	3	2017	X	X				X	X		X						
OK520500010060_00	Possum Creek	2.9	R	3	2017	X	X				X	X		X						
OK520500010070_00	Coon Creek	5.1	R	3	2017	X	X				X	X		X						
OK520500010100_00	Fame Branch	3.4	R	3	2017	X	X				X	X		X						
OK520500010110_10	**Canadian River, North**	**48.4**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		**N**		I				
OK520500010120_00	Limbo Creek	12.7	R	3	2012	I	I				I	X		X						
OK520500010130_00	Gar Creek	5.3	R	3	2012	I	I				I	X		X		I				
OK520500010140_00	Piney Creek	3.5	R	3	2017	X	X				X	X		X						
OK520500010150_00	Fish Creek	11.0	R	3	2017	X	X				X	X		X						
OK520500010151_00	Dustin Creek	1.4	R	3	2017	X	X				X	X		X						
OK520500010152_00	Dustin Lake	27.0	L	3	2016	X	X				X	X		X						
OK520500010160_00	Parsley Creek	8.0	R	3	2017	X	X				X	X		X						

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OK520500010170_00	**Bad Creek**	**19.1**	**R**	**5a**	**TMDL**	F	F				F	X		**N**		I				
OK520500010180_00	Salt Creek	4.9	R	3	2017	X	X				X	X		X						
OK520500010190_00	Rock Creek	4.7	R	3	2017	X	X				X	X		X						
OK520500010200_00	**Alabama Creek**	**14.2**	**R**	**5c**	**TMDL**	F	F				**N**	X		F		I				
OK520500010210_00	Weleetka Creek	3.0	R	3	2017	X	X				X	X		X		X				*
OK520500010220_00	Weleetka City Lake	61.0	L	3	2008	X	X				X	X		X		X				*
OK520500010240_00	Dale Turner Lake!	48.8	L	3	2016	X	X				X	X		X						
OK520500010242_00	**Clearview Creek**	**2.3**	**R**	**5a**	**TMDL**	I	**N**				X	X		X						
OK520500010260_00	Salt Creek	3.0	R	3	2017	X	X				X	X		X						
OK520500010270_00	**Wetumka City Lake**	**169.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		**N**						
OK520500010280_00	**Flat Rock Creek**	**9.7**	**R**	**5a**	**TMDL**	I	I				**N**	X		X		X				
OK520500010290_00	Battle Creek	4.2	R	2	2012	I	X				I	X		F						
OK520500010300_00	Airport Lake	100.0	L	3	2016	X	X				X	X		X						
OK520500020010_00	**Wewoka Creek**	**43.0**	**R**	**5a**	**TMDL**	I	**N**		**N**			X		**N**		I	F			
OK520500020020_00	**Greasy Creek**	**18.5**	**R**	**5a**	**TMDL**	F	F				**N**	X		I						
OK520500020026_00	Cheyarha Creek	1.8	R	2	2012	I	F				I	X		X		I				
OK520500020027_00	**Cheyarha Creek, East**	**3.0**	**R**	**5a**	**TMDL**	I	**N**				I	X		X		I				
OK520500020028_00	**Cheyarha Creek, West**	**2.9**	**R**	**5c**	**TMDL**	I	**N**				I	X		X		I				
OK520500020030_00	Fish Creek	8.7	R	2	2012	I	F				I	X		X		I				
OK520500020035_00	Wetumka Creek!	2.4	R	3	2017	X	X		X			X			X					
OK520500020040_00	Brooks Lake	120.0	L	3	2016	X	X				X	X		X						
OK520500020050_00	Ranche Creek	10.8	R	3	2017	X	X				X	X		X						
OK520500020060_00	**Graves Creek**	**13.5**	**R**	**5c**	**TMDL**	I	**N**				I	X		X		I				
OK520500020070_00	Elm Creek	7.9	R	3	2017	X	X				X	X		X						

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OK520500020080_00	Grief Creek	7.1	R	3	2017	X	X				X	X		X						
OK520500020090_00	**Little Wewoka Creek**	**20.4**	**R**	**5a**	**TMDL**	F	F				**N**	X		F		I				
OK520500020100_00	Stanley Creek	3.7	R	3	2017	X	X				X	X		X						
OK520500020110_00	Stanley Lake	23.0	L	3	2016	X	X				X	X		X						
OK520500020120_00	Long George Creek	10.9	R	3	2017	X	X				X	X		X						
OK520500020130_00	Yeager Creek	8.0	R	3	2017	X	X				X	X		X						
OK520500020140_00	Tiger Creek	7.5	R	3	2017	X	X				X	X		X						
OK520500020150_00	Jacobs Creek	9.3	R	3	2017	X	X				X	X		X						
OK520500020160_00	Cooter Creek	9.2	R	3	2017	X	X				X	X		X						
OK520500020170_00	Coon Creek	1.7	R	3	2017	X	X				X	X		X		X				*
OK520500020180_00	Coon Creek	3.9	R	3	2012	I	I				I	I		X		I				*
OK520500020190_00	**Wewoka Lake**	**371.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		F		I				*
OK520500020200_00	Tiger Creek	3.1	R	3	2017	X	X				X	X		X						
OK520500020210_00	**Tiger Creek**	**3.8**	**R**	**5a**	**TMDL**	I	**N**				I	X		X		I				
OK520500020220_00	**Sportsman Lake**	**354.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		I		I				
OK520500020230_00	**Carter Creek**	**2.7**	**R**	**5c**	**TMDL**	F	**N**				I	X		X		I				
OK520500020230_10	Carter Creek	4.2	R	2	2012	X	F				I	X		X		I				
OK520500020240_00	**Wewoka Creek**	**5.4**	**R**	**5a**	**TMDL**	F	X		**N**			I			X		F			
OK520500020240_10	**Wewoka Creek**	**10.3**	**R**	**5a**	**TMDL**	I	**N**		I			X			X	**N**				
OK520500020250_00	**Magnolia Creek**	**4.8**	**R**	**5c**	**TMDL**	F	**N**				I	X		X		I				
OK520500020260_00	**Salt Cedar Creek**	**1.3**	**R**	**5c**	**TMDL**	I	**N**				I	X		X		I				
OK520500020260_10	Salt Cedar Creek	0.9	R	3	2017	X	X				X	X		X						
OK520500020260_20	**Salt Cedar Creek**	**1.1**	**R**	**5c**	**TMDL**	I	**N**				I	X		X		I				
OK520500020270_00	**Wewoka Creek, Trib A!**	**5.3**	**R**	**5a**	**TMDL**	I	**N**				I	X		X		I				

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OK520500020280_00	**Oakwood Cemetery Creek!**	**6.7**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK520510000010_00	**Canadian River, North**	**36.9**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		**N**		F				
OK520510000010_10	Canadian River, North	35.8	R	3	2017	X	X				X	X		X		X				
OK520510000020_00	Cohee Creek	7.1	R	3	2017	X	X				X	X		X						
OK520510000030_00	Cohee Lake	80.0	L	3	2016	X	X				X	X		X						
OK520510000040_00	**Okemah Creek**	**12.9**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK520510000050_00	**Sand Creek**	**15.0**	**R**	**5c**	**TMDL**	I	**N**		X			X			X					
OK520510000055_00	Boley Creek!	5.9	R	3	2017	X	X		X			X			X					
OK520510000060_00	Rock Creek	8.5	R	3	2017	X	X				X	X		X						
OK520510000070_00	Fiftytwo Creek	3.9	R	3	2017	X	X				X	X		X						
OK520510000080_00	Gar Creek	12.6	R	3	2017	X	X				X	X		X						
OK520510000090_00	Snake Creek	7.6	R	3	2017	I	I				I	X		X		I				
OK520510000095_00	**Turkey Creek, Trib A!**	**4.3**	**R**	**5c**	**TMDL**	F	**N**				F	X		X		F				
OK520510000100_00	**Turkey Creek**	**16.4**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		I		F				
OK520510000105_00	**Earlsboro Creek**	**5.1**	**R**	**5c**	**TMDL**	I	**N**				X	X		X		I				
OK520510000110_00	**Canadian River, North**	**3.0**	**R**	**5a**	**TMDL**	I	I				**N**	I		**N**		X				
OK520510000110_05	**Canadian River, North**	**21.9**	**R**	**5a**	**TMDL**	F	I				**N**	**N**		**N**		X				
OK520510000110_10	**Canadian River, North**	**20.3**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		**N**			F			
OK520510000110_20	**Canadian River, North**	**31.5**	**R**	**5a**	**TMDL**	X	X				**N**	X		**N**			F			
OK520510000120_00	Shan Creek	7.9	R	3	2012	X	X		X			X			X					
OK520510000130_00	Deer Creek	6.7	R	2	2012	I	I				I	X		X			F			
OK520510000140_00	Painter Creek	5.0	R	3	2017	X	X				X	X		X						
OK520510000150_00	Stamp Dance Creek	2.9	R	3	2017	X	X				X	X		X						
OK520510000160_00	Squaw Creek	2.6	R	3	2017	X	X				X	X		X						

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OK520510000170_00	Rock Creek	6.5	R	3	2017	X	X				X	X		X						
OK520510000180_00	Rock Creek	5.8	R	3	2017	X	X				X	X		X						
OK520510000190_00	Squirrel Creek	10.0	R	3	2017	X	X				X	X		X						
OK520510000200_00	Tecumseh Creek	0.9	R	3	2017	X	X				X	X		X		X				*
OK520510000210_00	Tecumseh Creek	1.8	R	3	2017	X	X				X	X		X		X				*
OK520510000220_00	**Tecumseh Lake**	**127.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		F		I				*
OK520510000230_00	Lost Creek	5.0	R	3	2017	X	X				X	X		X						
OK520510000240_00	Deer Creek	3.7	R	3	2017	X	X				X	X		X						
OK520510000250_00	Deer Creek, South	7.2	R	3	2017	X	X				X	X		X		X				*
OK520510000255_00	**Wes Watkins Reservoir**	**1132.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F						
OK520510000280_00	**Shawnee Twin Lake #1 (South)**	**1336.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		F		I				*
OK520510000290_00	**Deer Creek, South**	**4.4**	**R**	**5a**	**TMDL**	**N**	I				**N**	X		I		**N**				*
OK520510000300_00	**Shawnee Twin Lake #2 (North)**	**1100.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		I		I				*
OK520510000310_00	Deer Creek, North	9.6	R	3	2017	X	X				X	X		X		X				
OK520510000330_00	Horseshoe Oxbow Lake	450.0	L	3	2016	X	X				X	X		X						
OK520510000340_00	Church Trib!	3.5	R	3	2017	X	X				X	X		X						
OK520520000010_00	**Canadian River, North**	**3.9**	**R**	**5a**	**TMDL**	I	**N**				I	**N**		**N**			F			
OK520520000010_10	**Canadian River, North**	**13.4**	**R**	**5a**	**TMDL**	X	X				I	X		**N**			F			
OK520520000010_20	**Canadian River, North**	**13.7**	**R**	**5a**	**TMDL**	X	F				I	I		**N**			F			
OK520520000010_30	**Canadian River, North**	**4.6**	**R**	**5a**	**TMDL**	X	X				**N**	X		**N**			F			
OK520520000010_40	**Canadian River, North**	**9.8**	**R**	**5a**	**TMDL**	X	X				**N**	X		**N**			F			
OK520520000010_50	Canadian River, North	4.3	R	3	2012	X	X				X	X		X		X				
OK520520000020_00	Harrah Creek	6.4	R	3	2017	X	X				X	X		X						
OK520520000030_00	**Choctaw Creek**	**9.8**	**R**	**5a**	**TMDL**	I	I		**N**			X			I		F			

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OK520520000040_00	Jones Creek	4.2	R	3	2017	X	X				X	X		X						
OK520520000050_00	Silver Creek	3.2	R	3	2017	X	X				X	X		X						
OK520520000060_00	**Crutcho Creek**	**3.6**	**R**	**5a**	**TMDL**	I	I				**N**	X		I						
OK520520000070_00	**Crutcho Creek**	**3.9**	**R**	**5a**	**TMDL**	I	F				**N**	X		**N**						
OK520520000070_10	Crutcho Creek	2.4	R	2	2017	I	F		X			X			X					
OK520520000080_00	Soldier Creek	6.8	R	3	2017	X	X				X	X		X						
OK520520000090_00	**Crutcho Creek**	**3.1**	**R**	**5a**	**TMDL**	**N**	X		X		**N**	X			X					
OK520520000110_00	**Cherry Creek**	**7.3**	**R**	**5a**	**TMDL**	I	I				**N**	I			X					
OK520520000140_00	Thompson Lake	100.0	L	3	2016	X	X				X	X		X						
OK520520000150_00	**Crooked Oak Creek**	**7.0**	**R**	**5a**	**TMDL**	**N**	**N**				**N**	X		**N**		**N**				
OK520520000160_00	Lightning Creek	7.5	R	3	2012	I	X				I	X		X						
OK520520000170_00	Brock Creek	5.7	R	3	2017	I	X				I	X		X						
OK520520000210_00	**Canadian River, North**	**1.1**	**R**	**5a**	**TMDL**	**N**	X				**N**	X		**N**		X				
OK520520000230_00	**Campbell Creek**	**5.9**	**R**	**5a**	**TMDL**	I	**N**				**N**	X		I						
OK520520000240_00	**Mustang Creek**	**9.2**	**R**	**5a**	**TMDL**	I	I				**N**	X		**N**						
OK520520000250_00	**Canadian River, North**	**6.5**	**R**	**5a**	**TMDL**	X	**N**				**N**	X		**N**		X				
OK520520000260_00	**Overholser Lake**	**1500.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		F						
OK520520000270_00	Ramsey Lake	20.0	L	3	2016	X	X				X	X		X						
OK520520000280_00	Bluff Creek Canal (Hefner L)	2.4	R	3	2017	X	X				X	X		X						
OK520520000290_00	Ramp Branch!	1.2	R	3	2017	X	X				X	X			X					
OK520520000300_00	West Ramp Branch!	0.6	R	3	2017	X	X				X	X		X						
OK520520000310_00	3001 Branch!	1.3	R	3	2017	X	X				X	X		X						
OK520520000320_00	Taxiway Branch!	1.9	R	3	2017	X	X				X	X		X						
OK520520000330_00	Kuhlman Creek	2.0	R	3	2017	X	X				X	X		X						

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OK520520000340_00	Albert High School Creek!	2.6	R	3	2017	X	X				X	X		X						
OK520520000350_00	**Airport Heights Creek!**	**4.3**	**R**	**5a**	**TMDL**	I	X				**N**	X		I						
OK520530000010_00	Canadian River, North	10.2	R	3	2012	X	X				I	X		X		X				
OK520530000010_10	Canadian River, North	105.3	R	**4a**	2012	I	F				F	F		**N**		I				
OK520530000020_00	Wilshire Creek	1.3	R	3	2017	X	X				X	X		X						
OK520530000030_00	**Shell Creek**	**9.5**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		F				
OK520530000040_00	Purcell Creek	11.8	R	3	2017	I	I				I	X		X		X				
OK520530000050_00	Sixmile Creek	16.0	R	3	2017	I	X				I	X		X		X				
OK520530000060_00	Fourmile Creek	4.8	R	3	2017	X	X				X	X		X						
OK520530000070_00	Fourmile Creek	3.0	R	3	2017	X	X				X	X		X						
OK520530000080_00	**El Reno Lake**	**170.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F						
OK520530000090_00	Target Creek	6.8	R	3	2017	X	X				X	X		X						
OK520530000100_00	Rolla Lake	80.0	L	3	2016	X	X				X	X		X						
OK520530000110_00	Sixmile Creek	11.7	R	3	2017	I	I				I	X		X						
OK520530000120_00	Laughlin Lake Creek	2.8	R	3	2017	X	X				X	X		X						
OK520530000130_00	Laughlin Lake	45.0	L	3	2016	X	X				X	X		X						
OK520530000140_00	Horse Creek	8.0	R	3	2017	X	X				X	X		X						
OK520530000150_00	Relay Creek	8.4	R	3	2017	X	X				X	X		X						
OK520530000160_00	Chicken Creek	7.5	R	3	2017	X	X				X	X		X						
OK520530000170_00	Weavers Creek	8.2	R	3	2017	X	X				X	X		X						
OK520530000180_00	Ninemile Creek	7.8	R	3	2017	I	I				I	X		X						
OK520530000190_00	Minnehaha Creek	7.9	R	3	2017	X	X				X	X			X	X				
OK520530000270_00	**Perimeter Creek!**	**3.7**	**R**	**5a**	**TMDL**	**N**	I				**N**	X		X						
OK520530000280_00	Neighborhood Creek!	2.9	R	3	2017	X	X				X	X		X						

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OK520600010010_00	**Canadian River**	**37.5**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		**N**		I				
OK520600010020_00	Arbeca Creek	5.7	R	3	2017	X	X				X	X		X						
OK520600010030_00	Cotton Creek	7.0	R	3	2017	X	X				X	X		X						
OK520600010040_00	Clear Creek	6.0	R	3	2012	I	I				I	X		X		I				
OK520600010050_00	Barret Branch	2.6	R	3	2017	X	X				X	X		X						
OK520600010060_00	**Factory Creek**	**6.3**	**R**	**5a**	**TMDL**	F	F				I	X		**N**		**N**				
OK520600010070_00	Rock Creek	3.3	R	3	2012	I	I				I	X		X		I				
OK520600010080_00	Jumper Creek	5.7	R	2	2012	I	I				I	X		X		I	F			
OK520600010090_00	Jumper Creek	3.1	R	3	2017	I	I				I	X		X		I				
OK520600010100_00	**Konawa Lake**	**1350.0**	**L**	**5c**	**TMDL**	F	F				**N**	X		I		I				
OK520600010110_00	Negro Creek	5.1	R	3	2017	X	X				X	X		X						
OK520600020010_00	**Canadian River**	**24.4**	**R**	**5b**	**TMDL**	F	**N**				**N**	X		X		I				
OK520600020020_00	Turkey Creek	5.5	R	3	2017	X	X				X	X		X						
OK520600020030_00	Grayson Creek	4.3	R	3	2017	X	X				X	X		X						
OK520600020040_00	Buckhorn Creek	5.3	R	3	2017	I	I				I	X		X		I				
OK520600020050_00	Bebee Creek	3.7	R	2	2012	I	F				I	X		X		I				
OK520600020060_00	Slush Pit Creek	2.7	R	3	2017	X	X				X	X		X						
OK520600020070_00	Maxwell Creek	3.8	R	3	2017	X	X				X	X		X						
OK520600020080_00	Reserve Pit Creek	1.9	R	3	2017	X	X				X	X		X						
OK520600020100_00	Leach Field Creek	1.6	R	3	2017	X	X				X	X		X						
OK520600020110_00	Hutchinson Creek	3.1	R	3	2017	X	X				X	X		X						
OK520600020120_00	Young Creek	4.0	R	3	2017	X	X				X	X		X						
OK520600020130_00	Preacher Creek	5.3	R	3	2017	X	X				X	X		X						
OK520600020140_00	Big Creek	10.6	R	3	2017	X	X				X	X		X						

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OK520600020150_00	Chism Creek	4.9	R	3	2017	X	X				X	X		X						
OK520600020160_00	Asher Creek	3.7	R	3	2017	X	X				X	X		X						
OK520600020170_00	**Julian Creek**	**5.2**	**R**	**5c**	**TMDL**	F	**N**				I	X		**N**						
OK520600020180_00	Constantine Creek	7.2	R	3	2017	X	X				X	X		X						
OK520600020190_00	Pond Creek	19.6	R	2	2012	I	F				I	X		X		I				
OK520600020200_00	Hog Creek	6.0	R	3	2012	X	X				X	X		X						
OK520600020205_00	**Red Springs Creek**	**1.0**	**R**	**5a**	**TMDL**	F	**N**				I	X		X		I				
OK520600020210_00	Jumper Creek	2.3	R	3	2012	I	I				I	X		X		I				
OK520600020220_00	Pond Creek, East	4.4	R	3	2012	I	I				I	X		X						
OK520600020230_00	Helsel Creek	2.5	R	3	2012	I	I				I	X		X		I				
OK520600020240_00	Dahlgren Lake	40.0	L	3	2016	X	X				X	X		X						
OK520600030010_00	**Canadian Sandy Creek**	**37.7**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK520600030020_00	Little Sandy Creek	8.6	R	3	2012	X	X				X	X		X						
OK520600030030_00	**Spring Brook**	**11.3**	**R**	**5a**	**TMDL**	I	F				I	X		**N**		I				
OK520600030040_00	Black Creek	6.2	R	3	2017	X	X				X	X		X						
OK520600030050_00	Rodtky Creek (Bodky)	8.7	R	3	2017	X	X				X	X		X		X				
OK520600030060_00	Days Creek	1.6	R	3	2017	X	X				X	X		X						
OK520600030070_00	Days Creek, East	7.0	R	3	2017	X	X				X	X		X						
OK520600030080_00	Days Creek, West	5.6	R	3	2017	X	X				X	X		X						
OK520600030090_00	Coon Creek	5.6	R	3	2017	X	X				X	X		X						
OK520600030100_00	Burris Creek	7.0	R	3	2017	X	X				X	X		X						
OK520600030110_00	Coon Creek	4.7	R	3	2017	X	X				X	X		X						
OK520600030120_00	Little Canadian Sandy Creek	7.5	R	3	2017	X	X				X	X		X		X				
OK520610010010_00	Canadian River	11.9	R	3	2010	X	X				X	X		X		X				

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OK520610010010_05	**Canadian River**	**32.7**	**R**	**5a**	**TMDL**	I	F		**N**		X	**N**			**N**					
OK520610010010_10	Canadian River	11.5	R	3	2015	X	X				X	X			X					
OK520610010010_20	Canadian River	6.9	R	3	2015	X	X				X	X			X					
OK520610010020_00	Buckhead Creek	15.4	R	3	2015	X	X				X	X			X					
OK520610010030_00	Little Buckhead Creek	4.8	R	3	2015	X	X				X	X		X						
OK520610010060_00	Bell Mere Creek	0.9	R	3	2015	X	X				X	X		X						
OK520610010070_00	Bell Mere Lake	13.0	L	3	2016	X	X				X	X		X						
OK520610010080_00	**Willow Creek**	**9.1**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**						
OK520610010090_00	Willow Creek, West	6.4	R	3	2015	X	X				X	X		X						
OK520610010100_00	Willow Creek, East	3.3	R	3	2015	X	X				X	X		X						
OK520610010120_00	Chouteau Creek	9.1	R	3	2015	X	X				X	X		X						
OK520610010130_00	Dripping Springs Creek	4.8	R	3	2015	X	X				X	X		X						
OK520610010140_00	Boone Creek	1.2	R	3	2015	X	X				X	X		X						
OK520610010150_00	Boone Creek, East Branch	2.9	R	3	2015	X	X				X	X		X						
OK520610010160_00	Boone Creek, West Branch	3.4	R	3	2015	X	X				X	X		X						
OK520610010180_00	**Bishop Creek**	**7.8**	**R**	**5a**	**TMDL**	I	I				**N**	X		**N**						
OK520610010190_00	Imhoff Creek	4.1	R	3	2015	X	X				X	X		X						
OK520610010200_00	Merkle Creek	3.2	R	2	2010	I	F				I	X		X		I				
OK520610010205_00	Brookhaven Creek	4.4	R	3	2015	X	X				X	X		X						
OK520610010210_00	Pond Creek	7.6	R	3	2015	I	I				I	X		X		X				
OK520610010215_00	Tim's Creek	3.1	R	3	2010	X	X		X			X			X					
OK520610010220_00	Lost Creek	2.0	R	3	2010	X	X				X	X		X						
OK520610010230_00	**Cow Creek**	**6.7**	**R**	**5a**	**TMDL**	I	I				**N**	I		X		I				
OK520610020010_00	Canadian River	19.6	R	3	2015	X	X				X	X			X					

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OK520610020020_00	Coal Creek	6.7	R	3	2015	X	X				X	X		X						
OK520610020030_00	Worley Creek	9.1	R	3	2015	X	X				X	X		X						
OK520610020040_00	East Creek	10.9	R	3	2015	X	X				X	X		X						
OK520610020050_00	Bennett Creek	4.0	R	3	2015	X	X				X	X		X		X				
OK520610020060_00	**Foreman Creek**	**4.8**	**R**	**5a**	**TMDL**	I	I				**N**	X		I						
OK520610020070_00	**Dry Creek**	**8.4**	**R**	**5a**	**TMDL**	**N**	I				**N**	X		I		**N**				
OK520610020080_00	Store Creek	5.6	R	3	2015	X	X				X	X		X		X				
OK520610020090_00	West Creek	5.4	R	3	2015	X	X		X			X			X					
OK520610020100_00	Snake Creek	6.6	R	3	2015	X	X				X	X		X						
OK520610020110_00	Beaver Creek	8.8	R	3	2015	X	X				X	X		X						
OK520610020120_00	**Buggy Creek**	**26.5**	**R**	**5a**	**TMDL**	F	F				F	X		**N**			F			
OK520610020130_00	Fisher Creek	3.1	R	3	2015	X	X				X	X		X						
OK520610020140_00	Bullet Creek	3.3	R	3	2015	X	X				X	X		X						
OK520610020150_00	Canadian River	2.9	R	3	2010	X	X		X			X			X	X				
OK520610020150_10	**Canadian River**	**36.3**	**R**	**5a**	**TMDL**	I	F				**N**	F		**N**			F			
OK520610020160_00	Arapaho Creek	8.4	R	3	2015	X	X				X	X		X						
OK520610020165_00	**Trib8!**	**6.0**	**R**	**5a**	**TMDL**	F	**N**				**N**	I		X						
OK520610020170_00	Tall Bear Canyon Creek	4.7	R	3	2015	X	X				X	X		X						
OK520610020180_00	Cedar Lake Creek	2.1	R	3	2015	X	X				X	X		X						
OK520610020190_00	Cedar Lake	62.0	L	3	2016	X	X				X	X		X						
OK520610020200_00	Powder Face Creek	7.6	R	3	2015	I	I				I	X		X						
OK520610020210_00	Canyon View Creek	7.1	R	3	2015	X	X				X	X		X						
OK520610020220_00	Fisher Canyon Creek	5.7	R	3	2015	X	X				X	X		X						
OK520610030010_00	**Walnut Creek**	**28.4**	**R**	**5a**	**TMDL**	F	F				F	X		**N**						

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OK520610030040_00	**Purcell Lake**	**150.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F						
OK520610030050_00	Red Blanket Creek	5.3	R	3	2015	X	X				X	X		X						
OK520610030060_00	Sandy Creek	6.1	R	3	2015	X	X				X	X		X						
OK520610030070_00	Dibble Creek	9.4	R	3	2015	X	X				X	X		X						
OK520610030080_00	**Walnut Creek, North Fork**	**16.8**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK520610030090_00	Stinson Creek	5.7	R	3	2015	X	X				X	X		X						
OK520610030100_00	Bridge Creek	6.4	R	3	2015	X	X				X	X		X						
OK520610030110_00	Buffalo Creek	5.1	R	3	2015	X	X				X	X		X						
OK520610030120_00	Blanchard Creek	4.3	R	3	2015	X	X				X	X		X						
OK520610030130_00	Airstrip Branch!	3.4	R	2	2010	I	F				I	X		X						
OK520620010010_00	Canadian River	40.8	R	**4a**	2015	I	I				I	X		**N**			F			
OK520620010020_00	Lumpmouth Creek	9.5	R	3	2015	I	I				I	X		X						
OK520620010030_00	Bridgeport Creek, East	6.5	R	3	2015	X	X				X	X		X						
OK520620010040_00	Fire Canyon Creek	2.3	R	3	2015	X	X				X	X		X						
OK520620010050_00	Bridgeport Creek, West	6.8	R	3	2015	X	X				X	X		X						
OK520620010060_00	Lariat Creek	10.7	R	3	2015	X	X				X	X		X						
OK520620010070_00	White Canyon Creek	4.7	R	3	2015	X	X				X	X		X						
OK520620010090_00	American Horse Canyon Creek (Americc	4.1	R	3	2015	X	X				X	X		X						
OK520620010100_00	**American Horse Lake**	**100.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F						
OK520620010110_00	Squaw Creek	8.6	R	3	2015	X	X				X	X		X						
OK520620010120_00	Bear Creek	6.3	R	**4a**	2015	F	F				I	X		**N**						
OK520620010130_00	Whirlwind Creek	9.2	R	3	2015	X	X				X	X		X						
OK520620010140_00	Fay Creek, East	5.7	R	3	2015	X	X				X	X		X						
OK520620010150_00	Thomas Creek	6.3	R	3	2015	X	X				X	X		X						

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OK520620010160_00	Fay Creek, West	5.4	R	3	2015	X	X		X			X			X					
OK520620020010_00	**Canadian River**	**38.3**	**R**	**5a**	**TMDL**	I	**N**				F	F		**N**			F			
OK520620020020_00	Rough Creek	11.8	R	3	2015	X	X				X	X		X						
OK520620020030_00	Big Baby Creek	9.8	R	3	2015	X	X				X	X		X						
OK520620020040_00	One Horse Creek	3.4	R	3	2015	X	X				X	X		X						
OK520620020050_00	Oakwood Creek	8.1	R	3	2015	X	X				X	X		X						
OK520620020060_00	**Flanders Creek**	**4.5**	**R**	**5a**	**TMDL**	I	**N**				I	X		X		I				
OK520620020070_00	**Fiddlers Creek**	**6.9**	**R**	**5a**	**TMDL**	I	**N**				I	X		X		I				
OK520620020080_00	**Squirrel Creek**	**9.8**	**R**	**5a**	**TMDL**	I	**N**				I	X		X		I				
OK520620020090_00	**Trail Creek**	**14.3**	**R**	**5a**	**TMDL**	F	**N**		X			X		**N**			F			
OK520620020100_00	Little Robe Creek	6.6	R	3	2015	I	I				I	X		X						
OK520620020110_00	Taloga Creek, East	6.7	R	3	2015	X	X				X	X		X						
OK520620020115_00	Aiko Creek	3.2	R	3	2010	X	X				X	X		X						
OK520620020120_00	Taloha Creek, West	7.8	R	3	2015	X	X				X	X		X						
OK520620020130_00	Hog Creek	3.1	R	3	2015	X	X				X	X		X						
OK520620020140_00	Rawhide Creek	12.5	R	3	2015	X	X				X	X		X						
OK520620020150_00	Sand Creek	5.6	R	3	2015	X	X				X	X		X						
OK520620020160_00	Sorter Creek	8.8	R	3	2015	X	X				X	X		X						
OK520620030010_00	**Canadian River**	**38.1**	**R**	**5a**	**TMDL**	F	**N**				I	X		**N**			F			
OK520620030020_00	**Lone Creek**	**13.2**	**R**	**5a**	**TMDL**	F	**N**				F	X		**N**		I				
OK520620030030_00	Panther Creek	5.3	R	3	2015	X	X				X	X		X						
OK520620030040_00	Burnt Creek	6.9	R	3	2015	X	X				X	X		X						
OK520620030050_00	**Red Trail Creek**	**7.7**	**R**	**5a**	**TMDL**	F	**N**				I	X		**N**						
OK520620030060_00	Mouse Hollow Creek	3.3	R	3	2015	X	X				X	X		X						

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OK520620030070_00	Bull Creek	6.2	R	3	2015	X	X				X	X		X						
OK520620030080_00	Teepee Creek	5.5	R	3	2015	I	X				I	X		X		I				
OK520620030090_00	Trail Creek	14.0	R	2	2015	X	X		X			X			X		F			
OK520620030100_00	Gyp Creek	7.8	R	3	2015	X	X				X	X		X		X				
OK520620030110_00	**Red Creek**	**11.8**	**R**	**5a**	**TMDL**	I	**N**				F	X		**N**		I				
OK520620030120_00	Powwow Creek	14.3	R	3	2015	X	X				X	X		X						
OK520620030130_00	Turkey Creek	16.0	R	3	2015	I	I				I	X		X		X				
OK520620030140_00	Kyser Creek	5.6	R	3	2015	X	X				X	X		X						
OK520620030150_00	Turkey Creek, South	8.2	R	3	2015	X	X				X	X		X		X				
OK520620030160_00	Oats Canyon Creek	2.8	R	3	2015	X	X				X	X		X						
OK520620030170_00	Spring Canyon Creek	2.3	R	3	2015	X	X				X	X		X						
OK520620030180_00	Piles Creek	3.4	R	3	2015	X	X				X	X		X						
OK520620030190_00	Harsha Canyon Creek	1.7	R	3	2015	X	X				X	X		X						
OK520620030200_00	Horse Canyon Creek (House Canyon)	3.4	R	3	2015	X	X				X	X		X						
OK520620030210_00	Cinnamon Canyon Creek	2.5	R	3	2015	X	X				X	X		X						
OK520620040010_00	Canadian River	18.1	R	2	2015	X	X				X	X		X			F			
OK520620040020_00	Flying V Creek	11.7	R	3	2015	I	I				I	X		X						
OK520620040030_00	Devil's Creek	4.0	R	3	2015	X	X				X	X		X						
OK520620040040_00	Mott Creek	6.4	R	3	2015	X	X				X	X		X						
OK520620040050_00	**Hackberry Creek**	**14.3**	**R**	**5a**	**TMDL**	I	**N**				I	X		**N**		I				
OK520620040060_00	Sand Creek	7.0	R	3	2015	X	X				X	X		X						
OK520620040070_00	Richards Creek	3.1	R	3	2015	X	X				X	X		X						
OK520620040080_00	Hackberry Creek, West	2.1	R	3	2015	X	X				X	X		X						
OK520620040090_00	Black Bull Creek	3.1	R	3	2015	X	X				X	X		X						

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OK520620040100_00	Coon Creek	3.8	R	3	2015	X	X				X	X		X						
OK520620040110_00	Spotted Deer Creek	2.5	R	3	2015	X	X				X	X		X						
OK520620040120_00	Sourdough Creek	5.6	R	3	2015	X	X				X	X		X						
OK520620040130_00	Boggy Creek	3.4	R	3	2015	X	X				X	X		X						
OK520620040140_00	Trail Branch	4.3	R	3	2015	X	X				X	X		X						
OK520620040150_00	S. A. Creek	5.0	R	3	2015	X	X				X	X		X						
OK520620040160_00	Bois d' Arc Creek	3.4	R	3	2015	X	X				X	X		X						
OK520620050010_00	Canadian River	34.0	R	2	2015	I	I				I	X		X			F			
OK520620050020_00	Wagon Creek	6.2	R	3	2015	X	X				X	X		X						
OK520620050030_00	West Creek	3.7	R	3	2015	X	X				X	X		X						
OK520620050040_00	Packsaddle Creek	1.8	R	3	2015	X	X				X	X		X						
OK520620050050_00	Packsaddle Lake	50.0	L	3	2016	X	X				X	X		X						
OK520620050060_00	Cornell Creek	5.5	R	3	2015	X	X				X	X		X						
OK520620050070_00	Bull Creek	5.6	R	3	2015	X	X				X	X		X						
OK520620050080_00	Dugout Creek	6.8	R	3	2015	X	X				X	X		X						
OK520620050090_00	Cottonwood Creek	5.9	R	3	2015	X	X				X	X		X						
OK520620050100_00	Little Turkey Creek	3.8	R	3	2015	X	X				X	X		X						
OK520620050110_00	Mosquito Creek	4.6	R	3	2015	X	X				X	X		X		X				
OK520620050120_00	Mosquito Creek	6.6	R	2	2015	X	X		X			X			X		F			
OK520620050130_00	Arnett Creek	8.7	R	3	2015	X	X				X	X		X		X				
OK520620050140_00	Red Bluff Creek	12.3	R	3	2015	X	X				X	X		X		X				
OK520620050150_00	Red Bluff Creek, West	10.1	R	3	2015	X	X				X	X		X						
OK520620050160_00	Commission Creek	12.1	R	**4a**	2010	I	F				F	X		**N**		I				
OK520620050170_00	Coon Creek	0.6	R	3	2015	X	X				X	X		X						

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OK520620050180_00	Hog Creek	7.6	R	3	2015	X	X				X	X		X						
OK520620050190_00	Coon Creek	7.4	R	3	2015	X	X				X	X		X						
OK520620050200_00	**Lloyd Vincent Lake**	**160.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F						
OK520620050210_00	Hog Creek, West	3.8	R	3	2015	X	X				X	X		X						
OK520620050220_00	Little Robe Creek	10.7	R	3	2015	I	I				I	X		X						
OK520620060010_00	Deer Creek	55.6	R	**4a**	2010	F	F				F	X		**N**		F				
OK520620060020_00	Dead Woman Creek	6.0	R	3	2015	X	X				X	X		X						
OK520620060030_00	Cedar Canyon Creek	5.8	R	3	2015	X	X				X	X		X						
OK520620060040_00	Little Deep Creek	12.8	R	3	2015	I	I		I			X		I						
OK520620060050_00	Sportsman Creek	0.4	R	3	2015	X	X				X	X		X						
OK520620060060_00	Sportsman Lake	100.0	L	3	2008	X	X				X	X		X						
OK520620060070_00	Little Deer Creek	14.8	R	3	2010	I	I				I	X		X		I				
OK520620060080_00	Horse Creek	17.6	R	3	2010	I	I				I	X		X		I				
OK520620060090_00	Putnam Creek	9.0	R	3	2015	X	X				X	X		X						
OK520700010020_00	**Eufaula Lake, Canadian River Deep Fc**	**17583.0**	**L**	**5a**	**TMDL**	**N**	I				**N**	X		I		I				
OK520700010040_00	Onapa Lake (Checotah Municipal)	70.0	L	3	2016	X	X				X	X		X						
OK520700010080_00	**Gentry Creek**	**9.6**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**						
OK520700010090_00	Snake Creek	2.9	R	3	2012	X	X				X	X		X						
OK520700010110_00	**Grave Creek**	**13.9**	**R**	**5a**	**TMDL**	F	**N**				F	X		X		I				
OK520700010120_00	Canadian River, Deep Fork	33.4	R	3	2012	X	X				X	X		X		X				
OK520700010130_00	Wolf Creek	2.9	R	3	2012	X	X				X	X		X						
OK520700010140_00	**Coal Creek**	**21.7**	**R**	**5a**	**TMDL**	I	X				**N**	X			X		F			
OK520700010150_00	Nichols Creek	2.7	R	3	2017	X	X				X	X		X						
OK520700010160_00	Nichols Lake	25.0	L	3	2016	X	X				X	X		X						

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OK520700010170_00	**Wolf Creek**	**12.9**	**R**	**5a**	**TMDL**	I	X				**N**	X		X		X				*
OK520700010180_00	**Henryetta Lake**	**450.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		I		I				*
OK520700010190_00	Moore Creek	9.9	R	3	2017	X	X				X	X		X						
OK520700010200_00	Flag Creek	1.6	R	3	2017	X	X				X	X		X						
OK520700010210_00	Flag Lake	100.0	L	3	2016	X	X				X	X		X						
OK520700010220_00	Montezuma Creek	22.4	R	3	2017	X	X				X	X		X						
OK520700010230_00	Burgess Creek	7.2	R	2	2017	X	X				X	X		X			F			
OK520700010240_00	Fourmile Creek	8.4	R	3	2017	X	X				X	X		X						
OK520700010250_00	Cosseetta Creek (Cussetah)	13.3	R	3	2017	X	X				X	X		X						
OK520700010260_00	Long Branch	9.1	R	3	2017	X	X				X	X		X						
OK520700010270_00	Morris Creek	1.9	R	3	2017	X	X				X	X		X						
OK520700010280_00	Morris Lake	38.0	L	3	2016	X	X				X	X		X						
OK520700010290_00	Okmulgee Creek	14.7	R	2	2012	I	F				I	X		X		I				
OK520700010300_00	Honey Creek	7.0	R	3	2017	X	X				X	X		X						
OK520700020010_00	Canadian River, Deep Fork	4.3	R	3	2012	X	X				X	X		X		X				
OK520700020010_10	**Canadian River, Deep Fork**	**39.1**	**R**	**5a**	**TMDL**	I	F				**N**	F		**N**		I				
OK520700020020_00	Salt Creek	5.0	R	3	2017	X	X				X	X		X		X				
OK520700020040_00	**Okmulgee Lake**	**668.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		F		I				*
OK520700020050_00	Salt Creek	8.8	R	3	2017	X	X				X	X		X		X				*
OK520700020060_00	**Dripping Springs Lake (Salt Creek Stru**	**1150.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		F		X				*
OK520700020070_00	Negro Creek	2.6	R	3	2017	X	X				X	X		X						
OK520700020080_00	**Adams Creek**	**13.3**	**R**	**5a**	**TMDL**	I	I				**N**	X		X						
OK520700020090_00	Flat Rock Creek	3.5	R	3	2017	X	X				X	X		X		X				
OK520700020100_00	Beggs Creek, West	4.1	R	2	2017	X	X				X	X		X			F			

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OK520700020110_00	Beggs Lake	80.0	L	3	2016	X	X				X	X		X						
OK520700020120_00	Beggs Creek, East	3.2	R	3	2017	X	X				X	X		X						
OK520700020130_00	New Beggs Lake	56.0	L	3	2016	X	X				X	X		X						
OK520700020140_00	Little Nuyaka Creek	9.0	R	3	2017	X	X				X	X		X						
OK520700020150_00	**Salt Creek**	**12.1**	**R**	**5a**	**TMDL**	I	**N**				**N**	X		X						
OK520700020155_00	**Begger Creek!**	**3.6**	**R**	**5a**	**TMDL**	F	**N**				I	X		X		I				
OK520700020160_00	Tiger Creek	7.1	R	3	2017	X	X				X	X		X						
OK520700020170_00	Checkerboard Creek	7.9	R	3	2017	X	X				X	X		X						
OK520700020180_00	Park Wheeler Creek	5.4	R	3	2017	X	X				X	X		X						
OK520700020200_00	**Nuyaka Creek**	**21.7**	**R**	**5a**	**TMDL**	I	I				**N**	X		X		X				
OK520700020210_00	Brier Creek	5.8	R	3	2017	X	X				X	X		X						
OK520700020220_00	Little Brier Creek	2.9	R	3	2017	X	X				X	X		X						
OK520700020230_00	Sixshooter Creek	7.4	R	3	2017	X	X				X	X		X						
OK520700020240_00	Cow Creek	6.6	R	3	2017	X	X				X	X		X						
OK520700020250_00	Philadelphia Creek	5.6	R	3	2017	X	X				X	X		X						
OK520700020260_00	Hopper Creek	6.7	R	3	2017	X	X				X	X		X						
OK520700020270_00	Buckeye Creek	2.2	R	3	2017	X	X				X	X		X		X				
OK520700020280_00	Buckeye Creek	12.9	R	3	2017	X	X				X	X		X		X				
OK520700020290_00	**Okemah Lake**	**761.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		F		I				*
OK520700020300_00	Yhola Creek	2.7	R	3	2017	X	X				X	X		X		X				*
OK520700020310_00	Klutts Lake	40.0	L	3	2016	X	X				X	X		X						
OK520700030010_00	Canadian River, Deep Fork	46.8	R	2	2012	I	F				I	X		X		I				
OK520700030020_00	**Walnut Creek**	**14.7**	**R**	**5a**	**TMDL**	I	F				**N**	X		X						
OK520700030030_00	Little Walnut Creek	7.3	R	3	2017	X	X				X	X		X						

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OK520700030040_00	Sandy Creek	5.2	R	3	2017	I	I				I	X		X						
OK520700030050_00	Sandy Creek, East Fork	5.5	R	3	2017	X	X				X	X		X						
OK520700030060_00	Sandy Creek, West Fork	7.9	R	3	2017	X	X				X	X		X						
OK520700030070_00	Wolfe Creek	5.7	R	3	2017	X	X				X	X		X						
OK520700030080_00	Welty Creek	3.2	R	3	2017	X	X				X	X		X						
OK520700030090_00	Clifty Creek	2.6	R	3	2017	X	X				X	X		X						
OK520700030100_00	**Salt Creek**	**22.4**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK520700030110_00	Bachelor Creek	4.9	R	3	2017	X	X				X	X		X						
OK520700030120_00	Gypsy Creek	7.2	R	3	2017	X	X				X	X		X						
OK520700030130_00	Junction Creek	5.7	R	3	2017	X	X				X	X		X						
OK520700030140_00	Little Creek	2.5	R	3	2017	X	X				X	X		X						
OK520700030150_00	Pickle Creek	4.1	R	3	2017	X	X				X	X		X						
OK520700030160_00	Big Pond Creek	2.9	R	3	2017	X	X				X	X		X						
OK520700030170_00	Ritts Junction Creek	5.5	R	3	2017	X	X				X	X		X						
OK520700030180_00	Hickory Creek	1.5	R	3	2017	X	X				X	X		X						
OK520700030190_00	Sunny Slope Creek, North	4.3	R	3	2017	X	X				X	X		X						
OK520700030200_00	Sunny Slope Creek, South	1.6	R	3	2017	X	X				X	X		X						
OK520700030210_00	Milfay Creek	3.6	R	3	2017	X	X				X	X		X						
OK520700030220_00	**Camp Creek**	**5.1**	**R**	**5a**	**TMDL**	I	F				**N**	X		I		I				
OK520700030230_00	Camp Creek	5.9	R	3	2017	X	X				X	X		X		X				*
OK520700030240_00	**Stroud Lake**	**600.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F		I				*
OK520700030250_00	Lilly Creek	4.4	R	3	2017	X	X				X	X		X						
OK520700030260_00	Spring Creek	6.9	R	3	2017	X	X				X	X		X						
OK520700030270_00	**Hilliby Creek**	**13.4**	**R**	**5a**	**TMDL**	I	I				**N**	X		X						

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OK520700030280_00	Harrican Creek	4.2	R	3	2017	X	X				X	X		X						
OK520700030290_00	Little Hilliby Creek	4.3	R	3	2017	X	X				X	X		X						
OK520700030300_00	Pettiquah Creek	11.1	R	3	2017	X	X				X	X		X						
OK520700030310_00	Uchee Creek	5.9	R	3	2017	X	X				X	X		X						
OK520700030320_00	Todd Creek	1.2	R	3	2017	X	X				X	X		X						
OK520700030330_00	Barby Creek	4.7	R	3	2017	X	X				X	X		X						
OK520700030340_00	Todd Lake	1.0	L	3	2016	X	X				X	X		X						
OK520700040010_00	**Canadian River, Deep Fork**	**18.1**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		**N**		**N**				
OK520700040020_00	**Dry Creek**	**28.3**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK520700040030_00	Gray Horse Creek	4.5	R	3	2017	X	X		X			X			X						
OK520700040040_00	Wild Horse Creek	5.4	R	3	2017	X	X				X	X		X						
OK520700040050_00	Dosie Creek	8.7	R	3	2017	X	X				X	X		X						
OK520700040060_00	Chuckaho Creek	10.0	R	3	2017	X	X				X	X		X						
OK520700040070_00	Davenport Creek	1.4	R	3	2017	X	X				X	X		X						
OK520700040080_00	Davenport Lake	7.0	L	3	2016	X	X				X	X		X						
OK520700040090_00	Possum Trot Creek	3.5	R	3	2017	X	X				X	X		X						
OK520700040100_00	Ranch Creek	12.4	R	3	2017	X	X				X	X		X						
OK520700040110_00	Fourmile Creek	7.6	R	3	2017	X	X				X	X		X						
OK520700040120_00	Ranch Creek, North Branch	3.8	R	3	2017	X	X				X	X		X						
OK520700040130_00	Spring Creek	1.8	R	3	2017	X	X				X	X		X						
OK520700040140_00	Turkey Creek	1.4	R	3	2017	X	X				X	X		X						
OK520700040150_00	Beaver Creek	0.8	R	3	2017	X	X				X	X			X					
OK520700040160_00	Beaver Creek, East	7.0	R	3	2017	X	X				X	X		X						
OK520700040170_00	Beaver Creek, West	7.9	R	3	2017	X	X				X	X			X					

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OK520700040180_00	Robinson Creek	16.3	R	3	2017	X	X				X	X		X		X				
OK520700040190_00	Deer Creek	19.6	R	3	2017	X	X				X	X		X		X				
OK520700040200_00	Warsham Creek	4.5	R	3	2017	X	X				X	X		X						
OK520700040210_00	Sand Creek	3.6	R	3	2017	X	X				X	X		X						
OK520700040220_00	**Prague Lake**	**225.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F						
OK520700040230_00	Clark Creek	1.9	R	3	2017	X	X				X	X		X						
OK520700040240_00	Clark Lake	269.0	L	3	2016	X	X				X	X		X						
OK520700040250_00	Browns Lake	33.7	L	3	2016	X	X				X	X		X						
OK520700040260_00	**Quapaw Creek**	**26.8**	**R**	**5a**	**TMDL**	F	F				I	X		**N**		I				
OK520700040270_00	Sparks Creek	0.9	R	3	2017	X	X				X	X		X						
OK520700040280_00	Sparks Lake	1.0	L	3	2016	X	X				X	X		X						
OK520700040290_00	Hogshooter Creek	3.3	R	3	2017	X	X				X	X		X						
OK520700040300_00	Breakfast Creek	4.7	R	3	2017	X	X				X	X		X						
OK520700040310_00	Spring Creek	4.3	R	3	2017	X	X				X	X		X						
OK520700040320_00	Little Sand Creek	7.2	R	3	2017	X	X				X	X		X						
OK520700040330_00	Clear Creek	2.4	R	3	2017	X	X				X	X		X						
OK520700040340_00	Sand Creek	5.4	R	3	2017	X	X				X	X		X						
OK520700040350_00	Quapaw Creek, South	3.8	R	3	2017	X	X				X	X		X		X				*
OK520700040360_00	Quapaw Creek, South	5.3	R	3	2017	X	X				X	X		X		X				*
OK520700040370_00	**Meeker Lake**	**250.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		F		I				*
OK520700040380_00	Coon Creek	3.7	R	3	2017	X	X				X	X		X						
OK520700040390_00	Wildhorse Creek	5.7	R	3	2017	X	X				X	X		X						
OK520700040400_00	Brush Creek	7.4	R	3	2017	X	X				X	X		X						
OK520700050010_00	Canadian River, Deep Fork	25.6	R	2	2012	F	F				F	X		X		I				

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OK520700050020_00	**Bellcow Creek**	**5.8**	**R**	**5a**	**TMDL**	I	X				I	X		**N**		X				
OK520700050025_00	**Bell Cow Lake**	**1153.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		I						
OK520700050030_00	Bellcow Creek	8.5	R	3	2017	X	X				X	X		X		X				
OK520700050040_00	Bellcalf Creek	1.1	R	3	2017	X	X				X	X		X						
OK520700050050_10	Bellcalf Creek	1.9	R	3	2017	X	X				X	X		X		X				
OK520700050060_00	**Chandler Lake**	**129.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F		I				*
OK520700050070_00	Otoe Creek	2.8	R	3	2017	X	X				X	X		X						
OK520700050080_00	**Bellcow Creek, North**	**4.6**	**R**	**5a**	**TMDL**	**N**	X				**N**	X		X						
OK520700050090_00	Kickapoo Creek	6.4	R	3	2017	X	X				X	X		X		X				
OK520700050100_00	Rat Creek	5.1	R	3	2017	X	X				X	X		X						
OK520700050110_00	Pecan Creek	7.1	R	3	2017	X	X				X	X		X						
OK520700050120_00	Spring Creek	8.2	R	3	2017	X	X				X	X		X						
OK520700050130_00	Eagle Creek	7.7	R	3	2017	X	X				X	X		X						
OK520700050140_00	**Captain Creek**	**4.4**	**R**	**5a**	**TMDL**	F	F				I	X		**N**		F				
OK520700050150_00	Captain Creek, East	7.7	R	3	2017	X	X				X	X		X		X				
OK520700050160_00	Captain Creek, West	8.7	R	3	2017	X	X				X	X		X						
OK520700050170_00	Bear Creek	26.1	R	3	2017	X	X				X	X		X		X				
OK520700050180_00	Grant Creek	3.3	R	3	2017	X	X				X	X		X						
OK520700050190_00	Blue Creek	3.3	R	3	2017	X	X				X	X		X						
OK520700050200_00	**Opossum Creek**	**7.4**	**R**	**5a**	**TMDL**	F	F				**N**	X		I						
OK520700050210_00	Fall Creek	7.1	R	3	2017	X	X				X	X		X						
OK520700050220_00	Wildhorse Creek	9.8	R	3	2017	X	X				X	X		X						
OK520700050230_00	Wildhorse Creek, East Fork	2.4	R	3	2017	X	X				X	X		X						
OK520700050240_00	Wildhorse Creek, West Fork	3.6	R	3	2017	X	X				X	X		X						

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OK520700050250_00	**Chandler Lake, NW Trib!**	**2.4**	**R**	**5a**	**TMDL**	**N**	X				**N**	X		X		**N**				*
OK520700060010_00	Little Deep Fork Creek	20.3	R	2	2017	I	F				I	I		I						
OK520700060020_00	Comelys Branch	3.7	R	3	2017	X	X				X	X		X						
OK520700060030_00	Frank Henry Creek	4.7	R	3	2017	X	X				X	X		X						
OK520700060040_00	McKennon Creek	2.5	R	3	2017	X	X				X	X		X						
OK520700060050_00	**Browns Creek**	**13.9**	**R**	**5a**	**TMDL**	I	I				**N**	X		X		X				
OK520700060060_00	Turkey Creek	10.7	R	3	2017	I	I				I	X		X						
OK520700060070_00	Chicken Creek	8.1	R	3	2017	X	X				X	X		X						
OK520700060080_00	Skull Creek	7.4	R	3	2017	I	I				I	X		X						
OK520700060090_00	Morgan Creek	3.0	R	3	2017	X	X				X	X		X						
OK520700060100_00	Little Deep Fork Creek	1.8	R	3	2017	X	X				X	X		X						
OK520700060110_00	Sand Creek	8.9	R	3	2017	I	I				I	X		X						
OK520700060120_00	Rock Creek	8.2	R	2	2017	I	F				I	X		X						
OK520700060130_00	Little Deep Fork Creek	4.6	R	3	2012	X	X		X			X			X	X				
OK520700060130_05	Little Deep Fork Creek	0.3	R	3	2017	X	X				X	X		X		X				
OK520700060130_10	**Little Deep Fork Creek**	**24.4**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK520700060140_00	**Catfish Creek**	**9.9**	**R**	**5a**	**TMDL**	I	**N**				**N**	X		X						
OK520700060150_00	Massena Creek	0.5	R	3	2017	X	X				X	X		X						
OK520700060160_00	Massena Lake	90.0	L	3	2016	X	X				X	X		X						
OK520700060170_00	Little Catfish Creek	6.5	R	3	2017	X	X				X	X		X						
OK520700060180_00	Swan Creek	2.9	R	3	2017	X	X				X	X		X						
OK520700060190_00	Spring Creek	2.2	R	3	2017	I	I				I	X		X						
OK520700060200_00	Spring Creek, East	8.7	R	3	2017	I	I				I	X		X						
OK520700060210_00	**Spring Creek, West**	**7.3**	**R**	**5a**	**TMDL**	I	**N**				I	X		X		I				

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OK520710010010_00	Canadian River, Deep Fork	7.7	R	2	2012	F	F				I	X		F		I				
OK520710010020_00	Smith Creek	6.4	R	3	2017	X	X		X			X		X		X				
OK520710010030_00	**Coon Creek**	**12.5**	**R**	**5a**	**TMDL**	I	I				**N**	X		I						
OK520710010040_00	Hiwassee Creek	3.0	R	3	2017	X	X				X	X		X						
OK520710010050_00	Hiwassee Lake	132.0	L	3	2016	X	X				X	X		X						
OK520710010060_00	Soldier Creek	4.8	R	3	2017	X	X				X	X		X						
OK520710010070_00	Opossum Creek	3.5	R	3	2017	X	X				X	X		X						
OK520710010080_00	Canadian River, Deep Fork	0.9	R	3	2017	X	X				X	X		X		X				
OK520710010090_00	Coffee Creek	4.2	R	2	2017	I	F		I			X		X		I				
OK520710010090_10	Coffee Creek	1.3	R	3	2017	X	X				X	X		X		X				
OK520710010100_00	Coffee Creek	4.9	R	3	2017	I	I				I	X		X		X				
OK520710010110_00	Cowbell Creek	4.6	R	3	2017	X	X				X	X		X						
OK520710010120_00	Peavine Creek	4.6	R	3	2017	X	X				X	X		X						
OK520710020010_00	Canadian River, Deep Fork	4.1	R	3	2017	X	X				X	X		X		X				*
OK520710020020_00	**Arcadia Lake**	**1820.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		I		**N**				*
OK520710020030_00	**Spring Creek**	**5.3**	**R**	**5a**	**TMDL**	I	I				I	X		**N**		I				*
OK520710020040_00	Tinker Creek	1.9	R	3	2017	X	X				X	X		X		X				*
OK520710020050_00	Wynn Creek	5.6	R	3	2017	X	X				X	X		X		X				*
OK520710020060_00	**Canadian River, Deep Fork**	**10.1**	**R**	**5a**	**TMDL**	F	F				I	X		**N**		I				*
OK520710020070_00	Britton Creek	4.7	R	3	2017	X	X				X	X		X		X				*
OK520710020080_00	Aluma Creek	1.3	R	3	2017	X	X				X	X		X		X				*
OK520710020090_00	Aluma Lake	13.0	L	3	2016	X	X				X	X		X		X				*
OK520710020100_00	Forest Park Creek	2.7	R	3	2017	X	X				X	X		X		X				*
OK520710020110_00	Northeast Creek	2.5	R	3	2017	X	X				X	X		X		X				*

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OK520710020120_00	Northeast Lake (Zoo)	29.0	L	3	2016	X	X				X	X		X		X				*
OK520710020130_00	Springlake Creek	2.1	R	3	2017	X	X				X	X		X		X				*
OK520710020140_00	Guy James Creek	2.0	R	3	2017	X	X				X	X		X		X				*
OK520710020150_00	Nichols Creek	1.0	R	3	2017	X	X				X	X		X		X				*
OK520710020160_00	Belle Isle Creek	2.2	R	3	2017	X	X				X	X		X		X				*
OK520800010010_00	**Little River**	**24.8**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		**N**		I				
OK520800010030_00	Bemore Creek	1.9	R	3	2017	X	X				X	X		X		X				*
OK520800010040_00	**Holdenville Lake**	**550.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F		**N**				*
OK520800010050_00	Bird Creek	13.8	R	2	2012	I	F		F			X			F					
OK520800010055_00	**Kight Creek**	**4.6**	**R**	**5c**	**TMDL**	F	**N**				I	X		X		I				
OK520800010060_00	**Cudjo Creek**	**5.9**	**R**	**5c**	**TMDL**	F	**N**				**N**	X		X		I				
OK520800010062_00	**Bear Cub Creek**	**1.1**	**R**	**5a**	**TMDL**	I	F				**N**	X		X						
OK520800010070_00	Sand Creek	5.9	R	3	2017	X	X				X	X		X						
OK520800010080_00	Rock Creek	4.8	R	3	2017	X	X				X	X		X						
OK520800010090_00	**Little River**	**28.5**	**R**	**5c**	**TMDL**	I	**N**				I	X		X		I				
OK520800010110_00	Tate Mountain Creek	3.6	R	3	2017	X	X				X	X		X						
OK520800010120_00	Trib 9!	7.1	R	3	2012	X	X				X	X		X						
OK520800010130_00	Little River	17.1	R	3	2017	I	I				I	X		X		I				
OK520800010140_00	Mini Creek	3.0	R	3	2017	X	X				X	X		X						
OK520800010160_00	Rogers Creek	2.4	R	3	2017	X	X				X	X		X						
OK520800010170_00	Brier Creek	6.4	R	3	2017	X	X				X	X		X						
OK520800010180_00	Tyner Creek	3.4	R	3	2017	X	X				X	X		X						
OK520800010190_00	Tecumseh Creek, South	5.5	R	3	2012	X	X				X	X		X						
OK520800020010_00	Little River	21.0	R	3	2012	X	X				X	X		X		X				

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OK520800020020_00	Dance Creek	9.9	R	3	2012	X	X				X	X		X						
OK520800020030_00	Morvin Creek	3.7	R	3	2012	X	X				X	X		X						
OK520800020040_00	Sand Creek	3.3	R	3	2012	X	X				X	X		X						
OK520800020050_00	Coon Creek	5.1	R	3	2012	X	X				X	X		X						
OK520800020060_00	Council Creek	7.3	R	3	2012	X	X				X	X		X						
OK520800020070_00	Jim Creek	7.7	R	3	2017	X	X				X	X		X						
OK520800020080_00	**Pecan Creek**	**10.8**	**R**	**5a**	**TMDL**	**N**	I				**N**	X		I						
OK520800020090_00	Bullfrog Creek	5.1	R	3	2017	X	X				X	X		X						
OK520800020100_00	Spring Creek	8.3	R	3	2017	X	X				X	X		X						
OK520800020110_00	Bourbonais Creek	4.5	R	3	2017	X	X				X	X		X						
OK520800020120_00	Roulette Creek	5.3	R	3	2017	X	X				X	X		X						
OK520800020130_00	Prairie Creek	7.9	R	3	2017	X	X				X	X		X						
OK520800030010_00	**Salt Creek**	**39.0**	**R**	**5a**	**TMDL**	**N**	**N**				**N**	X		I		I				
OK520800030020_00	Sandy Creek	6.0	R	2	2012	I	F				I	X		X		I				
OK520800030030_00	Mud Creek	8.7	R	3	2017	X	X				X	X		X						
OK520800030040_00	Maud Creek	5.6	R	3	2017	X	X				X	X		X						
OK520800030060_00	Katy Lake	11.0	L	3	2016	X	X				X	X		X						
OK520800030070_00	**Bruno Creek**	**10.3**	**R**	**5c**	**TMDL**	I	**N**				I	X		X		I				
OK520800030080_00	**Popshego Creek**	**4.4**	**R**	**5c**	**TMDL**	F	**N**				I	X		X		**N**				
OK520800030090_00	Marcum Creek	5.6	R	3	2017	X	X				X	X		X						
OK520800030100_00	Sand Creek	4.5	R	3	2017	X	X				X	X		X						
OK520800030110_00	Box Creek	2.7	R	3	2017	X	X				X	X		X						
OK520800030120_00	**Blacksmith Creek**	**6.0**	**R**	**5c**	**TMDL**	I	**N**				I	X		X		I				
OK520800030130_00	Opossum Creek	4.5	R	3	2017	X	X				X	X		X						

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OK520800030140_00	Delaware Creek	2.1	R	3	2017	X	X				X	X		X						*
OK520800030150_00	Cottonwood Creek	5.6	R	3	2017	X	X				X	X		X						*
OK520800030160_00	Wolf Creek	2.3	R	3	2017	X	X				X	X		X						*
OK520810000010_00	Little River	1.3	R	3	2017	X	X				X	X		X		X				*
OK520810000020_00	**Thunderbird Lake**	**6070.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		F		**N**				*
OK520810000030_00	**Hog Creek**	**11.9**	**R**	**5a**	**TMDL**	I	I				**N**	X		I		X				*
OK520810000040_00	**Hog Creek, West Branch**	**3.7**	**R**	**5a**	**TMDL**	I	I				**N**	X		I		X				*
OK520810000050_00	Clear Creek	3.7	R	3	2012	X	X				X	X		X		X				*
OK520810000060_00	Dave Blue Creek	7.2	R	3	2012	X	X				X	X		X		X				*
OK520810000070_00	Jim Blue Creek	4.4	R	3	2012	X	X				X	X		X		X				*
OK520810000080_00	Little River	15.0	R	3	2012	X	X				X	X		X		X				*
OK520810000090_00	Rock Creek	6.0	R	3	2012	X	X				X	X		X		X				*
OK520810000100_00	**Elm Creek**	**1.4**	**R**	**5a**	**TMDL**	F	**N**				I	X		**N**		F				*
OK520810000110_00	**Elm Creek, East**	**2.4**	**R**	**5a**	**TMDL**	I	I				**N**	X		I		X				*
OK520810000130_00	**Stanley Draper Lake**	**2900.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		F		X				*
OK520810000140_00	Elm Creek, West	8.0	R	3	2012	X	X				I	X		I		X				*
OK520810000150_00	Kitchen Creek	5.4	R	3	2012	X	X				X	X		X		X				*
OK520810000160_00	Kitchen Lake	25.0	L	3	2016	X	X				X	X		X						
OK520810000170_00	Little River, North Fork	8.9	R	2	2016	I	F				I	X		X		X				*
OK520810000175_00	**Moore Creek**	**4.0**	**R**	**5c**	**TMDL**	F	**N**				I	X		X		F				
OK520810000180_00	Mussel Shoals Lake Creek	0.6	R	3	2016	X	X				X	X		X		X				*
OK620900010020_00	**Keystone Lake, Cimarron River Arm, L**	**5902.5**	**L**	**5a**	**TMDL**	I	F				**N**	X		I		I				
OK620900010030_00	Salt Creek	3.5	R	3	2016	X	X				X	X		X						
OK620900010040_00	Little Salt Creek	4.4	R	3	2016	X	X				X	X		X						

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OK620900010060_00	Manford Creek	2.3	R	3	2016	X	X				X	X		X						
OK620900010070_00	Fish Creek	2.6	R	3	2016	X	X				X	X		X						
OK620900010090_00	**Keystone Lake, Cimarron River Arm, l**	**5902.5**	**L**	**5a**	**TMDL**	I	F				**N**	X		I		I				
OK620900010100_00	House Creek	9.1	R	3	2016	X	X				X	X		X						
OK620900010110_00	Terlton Creek	4.6	R	3	2016	X	X				X	X		X						
OK620900010120_00	Hallett Creek	5.5	R	3	2016	X	X				X	X		X						
OK620900010130_00	Jennings Creek	1.7	R	3	2016	X	X				X	X		X						
OK620900010140_00	Cottonwood Creek	5.8	R	3	2011	I	I				I	X		X		I				
OK620900010150_00	Rocky Canyon Creek	4.1	R	3	2016	X	X				X	X		X						
OK620900010160_00	Sand Creek	6.0	R	3	2016	X	X				X	X		X						
OK620900010170_00	Cimarron River	1.5	R	2	2011	I	F				I	X		X			F			
OK620900010170_10	**Cimarron River**	**26.6**	**R**	**5a**	**TMDL**	I	**N**				**N**	**N**		**N**			F			
OK620900010180_00	**Lagoon Creek**	**18.6**	**R**	**5a**	**TMDL**	F	F				F	X		**N**						
OK620900010190_00	Kenny Creek	6.0	R	3	2016	X	X				X	X		X						
OK620900010200_00	Crystal Creek	4.8	R	3	2016	X	X				X	X		X						
OK620900010210_00	Maramel Creek, South	5.1	R	3	2016	X	X				X	X		X						
OK620900010220_00	**Buckeye Creek**	**11.4**	**R**	**5a**	**TMDL**	I	F				I	X		**N**						
OK620900010230_00	Dry Creek	9.5	R	2	2011	I	F				I	X		X						
OK620900010240_00	Deer Creek	7.0	R	3	2016	X	X				X	X		X						
OK620900010250_00	**Tiger Creek**	**9.7**	**R**	**5a**	**TMDL**	F	**N**				F	X		X						
OK620900010260_00	Little Tiger Creek	4.5	R	3	2016	X	X				X	X		X						
OK620900010280_00	Tydol Lake (Tidal)	5.0	L	3	2016	X	X				X	X		X						
OK620900010290_00	**Euchee Creek**	**9.6**	**R**	**5a**	**TMDL**	I	F				**N**	X		**N**			F			
OK620900010290_10	Euchee Creek	12.4	R	2	2011	X	X				X	X			X		F			

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OK620900010300_00	Sand Creek	8.4	R	3	2011	I	I				I	X		X		I				
OK620900010310_00	**Cottonwood Creek**	**6.3**	**R**	**5a**	**TMDL**	I	X				**N**	X		**N**			F			
OK620900010320_00	Wildhorse Creek	8.1	R	2	2011	I	I				I	X		X		I	F			
OK620900010330_00	Turkey Creek	6.0	R	3	2016	X	X				X	X		X						
OK620900010340_00	Rattlesnake Creek	4.2	R	3	2016	X	X				X	X		X						
OK620900010350_00	Turkey Creek	3.9	R	3	2016	X	X				X	X		X						
OK620900010360_00	Skull Creek	8.7	R	2	2011	I	I				I	I		X			F			
OK620900010370_00	Cross Bones Creek	2.3	R	3	2016	X	X				X	X		X						
OK620900010380_00	Mud Creek	6.5	R	3	2016	X	X				X	X		X						
OK620900010390_00	Yale Creek	3.2	R	3	2016	X	X				X	X		X						
OK620900020010_00	Cimarron River	20.7	R	2	2016	I	F				I	X		X			F			
OK620900020020_00	**Salt Creek**	**14.7**	**R**	**5a**	**TMDL**	F	F				F	X		**N**		I				
OK620900020030_00	Eagle Creek	7.5	R	3	2016	X	X				X	X		X						
OK620900020040_00	Short Creek	3.6	R	3	2016	X	X				X	X		X						
OK620900020050_00	**Council Creek**	**21.9**	**R**	**5a**	**TMDL**	F	F				F	X		**N**		I				
OK620900020060_00	Feather Creek	6.0	R	3	2016	X	X				X	X		X						
OK620900020070_00	Hog Hollow Creek	2.6	R	3	2016	X	X				X	X		X						
OK620900020080_00	Long Branch	5.5	R	3	2016	X	X				X	X		X						
OK620900020090_00	Cabin Creek	3.6	R	3	2016	X	X				X	X		X						
OK620900020100_00	Big Creek	2.2	R	3	2016	X	X				X	X		X		X				
OK620900020110_00	Big Creek	8.0	R	3	2016	X	X				X	X		X		X				*
OK620900020120_00	**Cushing Lake**	**591.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		F		I				*
OK620900020130_00	Elm Creek	5.6	R	3	2016	X	X				X	X		X		X				*
OK620900020140_00	Ghost Hollow Creek	2.2	R	3	2016	X	X				X	X		X						

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OK620900030010_00	**Cimarron River**	**42.1**	**R**	**5a**	**TMDL**	I	**N**				**N**	**N**		**N**			F			
OK620900030030_00	Brush Creek	6.6	R	3	2016	X	X				X	X		X						
OK620900030040_00	Sand Creek	8.2	R	3	2016	X	X		X			X			X					
OK620900030050_00	Sand Creek, East Fork	4.0	R	3	2016	X	X				X	X		X						
OK620900030060_00	Headquarters Creek	16.4	R	3	2016	X	X				X	X		X						
OK620900030070_00	Tryon Creek	3.2	R	3	2016	X	X				X	X		X						
OK620900030080_00	**Dugout Creek**	**13.6**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK620900030090_00	Lost Creek	11.6	R	3	2016	X	X				X	X		X						
OK620900030100_00	Perkins Creek	2.1	R	3	2016	X	X				X	X		X						
OK620900030110_00	Corduroy Creek	8.8	R	3	2016	X	X				X	X		X						
OK620900030120_00	Wild Horse Creek	15.9	R	3	2016	I	I				I	X		X						
OK620900030130_00	Walnut Creek	8.8	R	3	2016	X	X				X	X		X						
OK620900030150_00	Fitzgerald Creek	17.1	R	3	2016	X	X				X	X		X		X				
OK620900030160_00	Soldier Creek	6.4	R	3	2016	X	X				X	X		X						
OK620900030170_00	Langston Creek	2.6	R	3	2016	X	X				X	X		X		X				*
OK620900030180_00	**Langston Lake**	**304.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		I		I				*
OK620900030190_00	Indian Meridian Creek	8.2	R	3	2011	I	I				I	X		X		I				
OK620900030200_00	Pleasant Valley Creek	2.3	R	3	2016	X	X				X	X		X						
OK620900030210_00	Clear Creek	10.0	R	3	2011	I	I				I	X		X		I				
OK620900030220_00	Antelope Creek	8.5	R	3	2011	X	X				X	X		X						
OK620900030230_00	**Beaver Creek**	**12.7**	**R**	**5a**	**TMDL**	I	**N**				**N**	X		F		I				
OK620900030240_00	Mulhall Creek	7.8	R	3	2016	I	I				I	X		X		I				
OK620900030250_00	Beaver Creek, East	12.6	R	2	2011	I	F				I	X		X		I				
OK620900030260_00	**Beaver Creek, West**	**13.2**	**R**	**5a**	**TMDL**	I	F				**N**	X		**N**		I				

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OK620900030270_00	**Beaver Creek, Middle**	**10.0**	**R**	**5a**	**TMDL**	I	**N**				I	X		X		I				
OK620900040010_00	Stillwater Creek	1.6	R	3	2011	I	X				I	X		X		X				
OK620900040020_00	Spring Creek	4.6	R	3	2016	X	X				X	X		X						
OK620900040030_00	Deer Creek	3.8	R	3	2016	X	X				X	X		X						
OK620900040040_00	**Stillwater Creek**	**3.5**	**R**	**5a**	**TMDL**	I	**N**				F	X		**N**		**N**				
OK620900040050_00	**Little Stillwater Creek**	**13.9**	**R**	**5a**	**TMDL**	I	I				I	X		X		**N**				
OK620900040060_00	Mehan Creek	1.2	R	3	2016	X	X				X	X		X						
OK620900040070_00	Stillwater Creek	5.9	R	2	2016	X	X		X			X		X		X	F			
OK620900040070_10	**Stillwater Creek**	**16.4**	**R**	**5a**	**TMDL**	F	F		**N**			X			F	I	F			
OK620900040080_00	Fairgrounds Creek	4.0	R	3	2016	X	X				X	X		X						
OK620900040090_00	Brush Creek	1.9	R	3	2016	X	X		X			X			X					
OK620900040100_00	Brush Creek, East	9.7	R	3	2016	X	X		X			X			X					
OK620900040110_00	Yost Lake Creek	1.5	R	3	2016	X	X		X			X			X					
OK620900040120_00	Yost Lake	26.0	L	3	2016	X	X				X	X		X						
OK620900040130_00	Brush Creek, West	9.8	R	3	2016	X	X		X			X			X					
OK620900040140_00	Boomer Creek	2.3	R	3	2016	X	X				X	X		X		X				
OK620900040150_00	Sanborn-Hazen Lake Creek	3.6	R	3	2016	X	X				X	X		X						
OK620900040160_00	Hazen Lake	1.0	L	3	2016	X	X				X	X		X						
OK620900040170_00	Sanborn Lake	1.0	L	3	2016	X	X				X	X		X						
OK620900040180_00	Boomer Creek	6.5	R	3	2016	X	X				X	X		X		X				*
OK620900040190_00	**Boomer Lake**	**260.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		I		I				*
OK620900040200_00	Cow Creek	8.3	R	3	2016	X	X				X	X		X						
OK620900040210_00	Dry Creek	7.4	R	3	2016	X	X				X	X		X						
OK620900040220_00	Stillwater Creek, North	3.8	R	3	2016	X	X				X	X		X		X				*

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OK620900040230_00	Stillwater Creek, North	6.8	R	3	2016	X	X				X	X		X		X				*
OK620900040240_00	**McMurtry Lake**	**1155.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		I		I				*
OK620900040250_00	Harrington Creek	4.4	R	3	2016	X	X				X	X		X						
OK620900040260_00	Harrington Creek Lake (Stillwater Creek	1.0	L	3	2016	X	X				X	X		X						
OK620900040270_00	Stillwater Creek	2.2	R	2	2011	X	X		X			X		X		X	F			
OK620900040270_10	**Stillwater Creek**	**6.4**	**R**	**5a**	**TMDL**	F	F				**N**	X		I		X				*
OK620900040280_00	**Carl Blackwell Lake**	**3370.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		I		**N**				*
OK620900040290_00	Hunt Creek	3.2	R	3	2016	X	X				X	X		X		X				*
OK620900040300_00	Little Stillwater Creek	4.7	R	3	2016	X	X				X	X		X		X				*
OK620910010010_00	**Cimarron River**	**8.3**	**R**	**5a**	**TMDL**	I	F				F	F		**N**			F			
OK620910010010_10	Cimarron River	28.9	R	2	2011	X	X				X	X		X			F			
OK620910010030_00	Lawrie Creek	2.8	R	3	2016	X	X				X	X		X						
OK620910010040_00	Pin Creek	8.3	R	3	2016	I	I				I	X		X						
OK620910010060_00	Gar Creek	7.6	R	3	2016	I	I				I	X		X						
OK620910010070_00	Pawnee Creek	9.3	R	3	2016	X	X				X	X		X						
OK620910010080_00	Cox Creek	5.5	R	3	2016	X	X				X	X		X						
OK620910010090_00	Boggy Creek	4.9	R	3	2016	X	X				X	X		X						
OK620910010100_00	Crescent Creek	3.9	R	3	2016	X	X				X	X		X						
OK620910010110_00	Cedar Cove Lake	2.0	L	3	2016	X	X				X	X		X						
OK620910010120_00	Lattawanna Lake	16.0	L	3	2016	X	X				X	X		X						
OK620910010130_00	Campbell Creek	13.6	R	3	2016	I	I				I	X		X						
OK620910010140_00	Walnut Creek	12.7	R	3	2016	X	X				X	X		X						
OK620910010150_00	Sooner Trend Creek	8.0	R	3	2016	I	I				I	X		X						
OK620910010160_00	Bird Creek	6.9	R	3	2016	I	I				I	X		X						

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OK620910020010_00	**Cimarron River**	**17.8**	**R**	**5a**	**TMDL**	I	**N**				F	**N**		**N**			F			
OK620910020010_10	**Cimarron River**	**41.6**	**R**	**5a**	**TMDL**	I	**N**				F	F		**N**			F			
OK620910020040_00	**Cooper Creek**	**40.3**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK620910020050_00	Oneida Creek	7.1	R	3	2016	X	X				X	X		X						
OK620910020060_00	Felter Branch	2.5	R	3	2016	X	X				X	X		X						
OK620910020070_00	Willow Creek	7.1	R	3	2016	X	X				X	X		X						
OK620910020080_00	Preacher Creek	8.3	R	3	2016	I	I				I	X		X						
OK620910020090_00	Squaw Creek	6.0	R	3	2016	X	X				X	X		X						
OK620910020092_00	Sweet Alley	6.0	R	3	2016	X	X				X	X		X						
OK620910020100_00	**Salt Creek**	**4.4**	**R**	**5a**	**TMDL**	F	**N**				F	I			F		F			
OK620910020100_10	Salt Creek	24.5	R	2	2016	I	I		I			I			I		F			
OK620910020110_00	Spring Creek	22.9	R	3	2016	X	X				X	X		X		X				
OK620910020120_00	Hitchcock Creek	3.3	R	3	2016	X	X				X	X		X						
OK620910020130_00	Hitchcock Creek, East	9.1	R	3	2016	X	X				X	X		X						
OK620910020140_00	Hitchcock Creek, West	2.7	R	3	2016	X	X				X	X		X						
OK620910020150_00	Bitter Creek	5.5	R	3	2016	X	X				X	X		X						
OK620910020160_00	Cat Canyon Creek	3.4	R	3	2016	X	X				X	X		X						
OK620910020170_00	Bitter Creek	4.2	R	3	2016	X	X				X	X		X						
OK620910020180_00	Watonga Lake	55.0	L	3	2016	X	X				X	X		X						
OK620910020190_00	Boecher Lake	12.0	L	3	2016	X	X				X	X		X						
OK620910020200_00	Ruby Mill Canyon Creek	4.3	R	3	2016	X	X				X	X		X						
OK620910020210_00	Hoyle Creek	25.1	R	3	2016	I	I				I	X		X		X				
OK620910020230_00	Crystal Lake	1.0	L	3	2016	X	X				X	X		X						
OK620910020240_00	Silver Lake	1.0	L	3	2016	X	X				X	X		X						

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OK620910020250_00	**Deep Creek**	**25.4**	**R**	**5a**	**TMDL**	I	**N**				F	X		**N**		I				
OK620910020260_00	Isabella Creek	4.5	R	3	2016	X	X				X	X		X						
OK620910020270_00	**Elm Creek**	**14.2**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**		I				
OK620910020280_00	Darrow Creek	8.0	R	3	2016	X	X				X	X		X						
OK620910020290_00	Homestead Creek	6.6	R	3	2016	X	X				X	X		X						
OK620910020300_00	Sand Creek	12.9	R	3	2016	X	X				X	X		X						
OK620910020310_00	**Indian Creek**	**16.7**	**R**	**5a**	**TMDL**	F	F				F	X		**N**		I				
OK620910020320_00	Ringwood Creek	5.7	R	3	2016	X	X				X	X		X						
OK620910020330_00	Carwile Creek	7.6	R	3	2016	X	X				X	X		X		X				
OK620910030010_00	**Skeleton Creek**	**32.8**	**R**	**5a**	**TMDL**	I	**N**				**N**	F		**N**		I				
OK620910030020_00	Wolf Creek	8.7	R	3	2016	X	X				X	X		X		X				
OK620910030030_00	Bridge Creek	10.3	R	3	2011	I	I				I	X		X		I				
OK620910030040_00	**Otter Creek**	**30.2**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK620910030050_00	Elkhorn Creek	5.4	R	3	2011	I	I				I	X		X		I				
OK620910030060_00	Crows Nest Creek	14.4	R	3	2011	X	X				X	X		X						
OK620910030070_00	4-D Creek	8.8	R	3	2016	X	X				X	X		X						
OK620910030080_00	Shawnee Creek	9.6	R	3	2016	X	X				X	X		X						
OK620910030090_00	Rock Creek	5.8	R	3	2016	X	X				X	X		X						
OK620910030100_00	Spring Creek	5.1	R	3	2016	X	X				X	X		X						
OK620910030110_00	Horse Creek	12.7	R	3	2016	X	X				X	X		X		X				
OK620910030120_00	Cottonwood Creek	10.2	R	3	2016	X	X				X	X		X						
OK620910030130_00	Spring Creek	13.7	R	3	2016	X	X				X	X		X						
OK620910030140_00	Lyon Creek	22.3	R	3	2016	I	I				I	X		X						
OK620910030150_00	Camp Creek	8.9	R	3	2016	X	X				X	X		X						

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OK620910030160_00	Crooked Creek	7.3	R	3	2016	X	X				X	X		X						
OK620910030170_00	Skeleton Creek	6.0	R	3	2016	X	X				X	X		X		X				
OK620910030170_10	Skeleton Creek	22.4	R	2	2016	I	F		I			I			I		F			
OK620910030180_00	Bitter Creek	20.3	R	3	2016	X	X				X	X		X		X				
OK620910030190_00	Wolf Creek	7.1	R	3	2016	X	X				X	X		X						
OK620910030200_00	Rock Creek	10.2	R	3	2016	I	I				I	X		X						
OK620910030210_00	Dry Creek	6.8	R	3	2016	X	X				X	X		X						
OK620910030220_00	Hackberry Creek	17.4	R	2	2016	X	X				X	X			X		F			
OK620910030230_00	Fairmont Creek	8.7	R	3	2016	X	X		X			X			X					
OK620910030240_00	Skeleton Creek	9.3	R	3	2010	X	X				X	X		X		X				
OK620910030250_00	Boggy Creek	15.6	R	3	2016	X	X				X	X		X						
OK620910030260_00	Meadowlake Park Lake	10.0	L	3	2016	X	X				X	X		X						
OK620910030270_00	Vance Creek	2.8	R	3	2016	X	X				X	X		X						
OK620910030290_00	Covington Creek!	6.7	R	3	2016	X	X				X	X		X						
OK620910040010_00	**Cottonwood Creek**	**22.0**	**R**	**5a**	**TMDL**	I	F				**N**	X		F		I				
OK620910040010_10	Cottonwood Creek	2.9	R	3	2016	X	X				X	X		X		X				
OK620910040010_20	**Cottonwood Creek**	**24.4**	**R**	**5a**	**TMDL**	I	F				**N**	X		**N**		X				
OK620910040020_00	Country Club Lake Creek (Santa Fe Lak	4.3	R	3	2016	X	X				X	X		X						
OK620910040030_00	Country Club Lake (Santa Fe)	97.0	L	3	2016	X	X				X	X		X						
OK620910040040_00	Snake Creek	3.0	R	3	2016	X	X				X	X		X						
OK620910040050_00	Guthrie Creek	5.8	R	3	2016	X	X				X	X		X		X				*
OK620910040060_00	**Guthrie Lake**	**274.0**	**L**	**5a**	**TMDL**	F	F				F	X		**N**		**N**				*
OK620910040070_00	Liberty Lake Creek	5.6	R	3	2016	X	X				X	X		X		X				*
OK620910040080_00	**Liberty Lake**	**167.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		**N**		**N**				*

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OK620910040090_00	Spring Creek	6.7	R	3	2016	X	X				X	X		X						
OK620910040100_00	**Chisholm Creek**	**21.2**	**R**	**5a**	**TMDL**	I	F				I	I		**N**		**N**				
OK620910040110_00	Edmond Creek	3.9	R	3	2016	X	X				X	X		X						
OK620910040120_00	**Deer Creek**	**12.7**	**R**	**5a**	**TMDL**	F	F				**N**	**N**		**N**		F				
OK620910040120_10	Deer Creek	18.5	R	3	2011	X	X				X	X		X		X				
OK620910040130_00	Bloody Rush Creek	6.5	R	3	2016	X	X				X	X		X						
OK620910040140_00	**Bluff Creek**	**9.3**	**R**	**5a**	**TMDL**	I	X				I	X		**N**		I				
OK620910040150_00	Dry Creek	6.7	R	3	2016	X	X				X	X		X						
OK620910040170_00	Spring Creek	2.8	R	3	2016	X	X				X	X		X						
OK620910040180_00	Ski Island Lake	45.0	L	3	2016	X	X				X	X		X						
OK620910040190_00	Silver Lake	5.0	L	3	2016	X	X				X	X		X						
OK620910040200_00	**Hefner Lake**	**2500.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F		I				
OK620910040210_00	Walnut Creek	9.4	R	3	2016	X	X				X	X		X						
OK620910040220_00	Soldier Creek	8.2	R	3	2016	X	X				X	X		X						
OK620910040230_00	Chapel Hill Creek	6.1	R	3	2016	X	X				X	X		X						
OK620910040240_00	Piedmont Creek	4.3	R	3	2016	X	X				X	X		X						
OK620910040250_00	Spring Creek	4.7	R	3	2016	X	X				X	X		X						
OK620910040260_00	Northwood Lake	190.0	L	3	2016	I	X				I	X		X						
OK620910040270_00	Cow Creek	4.9	R	3	2016	X	X				X	X		X						
OK620910040280_00	Wolf Creek	7.0	R	3	2016	X	X				X	X		X						
OK620910050010_00	**Kingfisher Creek**	**47.4**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**						
OK620910050020_00	**Trail Creek**	**14.9**	**R**	**5a**	**TMDL**	I	F				I	X		**N**						
OK620910050030_00	**Uncle Johns Creek**	**27.5**	**R**	**5a**	**TMDL**	F	F				I	X		**N**						
OK620910050040_00	Clear Creek	9.9	R	3	2016	X	X				X	X		X						

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OK620910050050_00	Concho Creek	11.6	R	3	2016	X	X				X	X		X						
OK620910050060_00	Elmer Lake Creek	5.5	R	3	2016	X	X				X	X		X						
OK620910050070_00	Elmer Lake	60.0	L	3	2016	X	X				X	X		X						
OK620910050080_00	**Dead Indian Creek**	**24.2**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**		I				
OK620910050090_00	Okarche Creek	21.9	R	3	2016	I	I				I	X		X						
OK620910050100_00	Altona Creek	6.4	R	3	2016	X	X				X	X		X						
OK620910050110_00	Cheyenne Creek	15.8	R	3	2016	X	X				X	X		X						
OK620910050120_00	Porcupine Creek	14.9	R	3	2016	X	X				X	X		X						
OK620910050130_00	Otter Creek	23.2	R	3	2016	X	X				X	X		X		X				
OK620910050140_00	Cedar Creek	9.4	R	3	2016	X	X				X	X		X						
OK620910050150_00	**Winter Camp Creek!**	**7.7**	**R**	**5b**	**TMDL**	I	**N**				I	X		X						
OK620910060010_00	Turkey Creek	82.6	R	**4a**	2011	F	F				F	X		**N**		I				
OK620910060020_00	Little Turkey Creek	11.4	R	**4a**	2011	F	F				F	X		**N**						
OK620910060025_00	Narragansett Creek	2.5	R	3	2011	X	X				X	X		X						
OK620910060030_00	**Buffalo Creek**	**14.0**	**R**	**5a**	**TMDL**	I	I				**N**	X		**N**						
OK620910060040_00	Bison Creek	6.0	R	3	2016	X	X				X	X		X						
OK620910060050_00	Hell and Gone Creek	7.3	R	3	2016	X	X				X	X		X						
OK620910060060_00	Barr Creek	5.7	R	3	2016	X	X				X	X		X						
OK620910060070_00	Dry Creek	7.5	R	3	2016	X	X				X	X		X						
OK620910060080_00	Flowing Creek	5.0	R	3	2016	X	X				X	X		X						
OK620910060090_00	Sand Creek	4.0	R	3	2016	X	X				X	X		X						
OK620910060100_00	Spring Creek	6.8	R	3	2016	I	I				I	X		X						
OK620910060110_00	**Clear Creek**	**5.2**	**R**	**5a**	**TMDL**	I	I				**N**	X		**N**						
OK620910060120_00	Sand Creek	10.2	R	3	2016	X	X				X	X		X						

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OK620910060130_00	Carrier Creek	12.7	R	3	2016	X	X				X	X		X						
OK620910060140_00	Dry Salt Creek	6.7	R	3	2016	X	X		X			X			X					
OK620910060150_00	Elm Creek	9.0	R	3	2016	X	X				X	X		X						
OK620920010010_00	**Cimarron River**	**43.0**	**R**	**5a**	**TMDL**	I	F				**N**	I		**N**			F			
OK620920010020_00	Sand Creek	14.4	R	3	2016	I	I				I	X		X		X				
OK620920010030_00	Gypsum Creek	16.2	R	3	2016	X	X				X	X		X		X				
OK620920010040_00	Fairview Creek, West	8.1	R	3	2016	X	X				X	X		X						
OK620920010050_00	Fairview Creek, East	9.0	R	3	2016	X	X				X	X		X						
OK620920010060_00	Elm Creek	10.6	R	3	2016	X	X				X	X		X						
OK620920010080_00	**Cottonwood Creek**	**21.9**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK620920010090_00	Skunk Creek	12.1	R	3	2016	X	X				X	X		X						
OK620920010100_00	Cheyenne Creek	18.5	R	3	2016	X	X				X	X		X		X				
OK620920010110_00	Barney Creek	21.5	R	3	2016	X	X				X	X		X		X				
OK620920010120_00	Barney Creek, West Branch	6.1	R	3	2016	X	X				X	X		X						
OK620920010130_00	**Griever Creek**	**20.3**	**R**	**5a**	**TMDL**	F	F				I	X		**N**		I				
OK620920010140_00	**Griever Creek, East**	**13.4**	**R**	**5a**	**TMDL**	F	F				F	X		**N**		I				
OK620920010150_00	Griever Creek, Middle	6.3	R	3	2016	X	X				X	X		X						
OK620920010160_00	Walnut Grove Creek	8.9	R	3	2016	X	X				X	X		X						
OK620920010170_00	Wildcat Creek	6.6	R	3	2016	X	X				X	X		X						
OK620920010180_00	**Main Creek**	**19.1**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK620920010190_00	Ewers Creek	12.8	R	3	2016	X	X				X	X		X		X				
OK620920010200_00	Gyp Creek	5.1	R	3	2016	X	X				X	X		X						
OK620920010210_00	West Creek	19.6	R	3	2016	X	X				X	X		X						
OK620920010220_00	Cuddy Creek	12.9	R	3	2016	X	X				X	X		X						

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OK620920020010_00	**Cimarron River**	**32.6**	**R**	**5a**	**TMDL**	F	**N**				**N**	I		**N**			F			
OK620920020020_00	Dog Creek	8.6	R	2	2016	X	X				X	X		X			F			
OK620920020030_00	Sand Creek	16.9	R	3	2016	X	X				X	X		X		X				
OK620920020040_00	Chimney Creek	16.9	R	3	2016	X	X				X	X		X		X				
OK620920020050_00	Whitehorse Creek	21.7	R	3	2016	I	I				I	X		X		X				
OK620920020060_00	Doe Creek	17.5	R	3	2016	I	I				I	X		X		X				
OK620920020070_00	Wildcat Creek	9.7	R	3	2016	X	X				X	X		X						
OK620920020080_00	**Long Creek**	**17.8**	**R**	**5a**	**TMDL**	F	F				F	X		**N**		I				
OK620920020090_00	Alabaster Creek	6.1	R	3	2016	X	X				X	X		X						
OK620920020100_00	Slicker Creek	10.7	R	3	2016	X	X				X	X		X						
OK620920020110_00	Red Horse Creek	15.8	R	3	2016	X	X				X	X		X		X				
OK620920020120_00	Anderson Creek	20.2	R	3	2016	X	X				X	X		X		X				
OK620920020130_00	Bull Creek	5.7	R	3	2016	X	X				X	X		X						
OK620920020140_00	Freedom Creek	8.0	R	3	2016	X	X				X	X		X						
OK620920020150_00	Girl Creek	10.0	R	3	2016	X	X				X	X		X						
OK620920020160_00	Houston Creek	11.9	R	3	2016	X	X				X	X		X						
OK620920020170_00	**Traders Creek**	**22.1**	**R**	**5a**	**TMDL**	F	F				I	X		**N**		F				
OK620920020180_00	Moccasin Creek	16.9	R	3	2016	X	X				X	X		X		X				
OK620920020190_00	Moccasin Creek, West	9.2	R	3	2016	X	X				X	X		X						
OK620920020200_00	Sand Creek	17.0	R	3	2016	I	I				I	X		X		X				
OK620920030010_00	**Cimarron River**	**24.4**	**R**	**5a**	**TMDL**	I	**N**				I	I		**N**			F			
OK620920030030_00	Day Creek	11.8	R	3	2016	X	X				X	X		X		X				
OK620920030040_00	Keno Creek	14.3	R	3	2016	X	X				X	X		X		X				
OK620920030050_00	Anderson Creek	9.1	R	3	2016	X	X				X	X		X						

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OK620920030060_00	Lodge Pole Creek	12.6	R	3	2016	X	X				X	X		X						
OK620920040010_00	**Eagle Chief Creek**	**73.4**	**R**	**5a**	**TMDL**	F	F				F	X		**N**		I				
OK620920040030_00	Big Timber Lake Creek	4.4	R	3	2016	X	X		X			X			X					
OK620920040040_00	Big Timber Lake	15.0	L	3	2016	X	X				X	X		X						
OK620920040050_00	Spring Creek	2.8	R	3	2016	I	I				I	X		X						
OK620920040060_00	Carmen Creek	3.7	R	3	2016	X	X				X	X		X						
OK620920040070_00	Carmen Creek, East	4.5	R	3	2016	X	X				X	X		X						
OK620920040080_00	Carmen Creek, West	4.1	R	3	2016	X	X				X	X		X						
OK620920040090_00	Sand Creek	17.8	R	3	2011	I	I				I	X		X						
OK620920040100_00	Lake Creek	15.6	R	3	2011	I	I				I	X		X						
OK620920040110_00	**Little Eagle Chief Creek**	**25.0**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK620920040120_00	Noel Creek	6.7	R	3	2011	X	X				X	X		X						
OK620920040140_00	Avard Lake	1.0	L	3	2016	X	X				X	X		X						
OK620920040160_00	McGill Lake	24.0	L	3	2016	X	X				X	X		X						
OK620920040170_00	**Lojo creek**	**7.5**	**R**	**5c**	**TMDL**	F	**N**				I	X		X						
OK620920050010_00	**Buffalo Creek**	**49.8**	**R**	**5a**	**TMDL**	F	F				F	X		**N**		I				
OK620920050020_00	Elm Creek	11.5	R	3	2011	I	I				I	X		X						
OK620920050030_00	Sleeping Bear Creek	16.6	R	3	2011	I	I				I	X		X		I				
OK620920050040_00	Gilbert Creek	6.1	R	3	2011	I	I				I	X		X						
OK620920050050_00	**Sand Creek**	**26.0**	**R**	**5a**	**TMDL**	I	F				F	X		**N**		I				
OK620920050060_00	Selman Creek	10.8	R	3	2011	I	I				I	X		I						
OK620920050070_00	Little Buffalo Creek	3.7	R	3	2011	I	I				I	X		X						
OK620920050080_00	Buffalo Aqueduct	6.6	R	3	2016	X	X				X	X		X						
OK620920050090_00	Doby Springs Park Branch!	1.0	R	3	2016	I	I				I	X		X						

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OK620920050100_00	Doby Springs Creek!	8.4	R	3	2011	X	X				X	X		X						
OK620930000010_00	**Cimarron River**	**37.7**	**R**	**5a**	**TMDL**	F	F				F	F		**N**		I				
OK620930000020_00	Snake Creek	15.7	R	3	2016	X	X				X	X		X		X				
OK620930000030_00	Redoubt Creek	19.4	R	3	2016	I	I				I	X		X		X				
OK620930000040_00	Old Settlers Irrigation Ditch	15.1	R	3	2016	X	I				X	X		X						
OK620930000050_00	Stink Creek	7.6	R	3	2016	X	X				X	X		X						
OK620930000060_00	Horse Creek	12.8	R	2	2016	X	X				X	X			X		F			
OK620930000070_00	Horse Creek, West Fork	8.4	R	3	2016	X	X				X	X		X						
OK620930000090_00	Gate Lake	1.0	L	3	2016	X	X				X	X		X						
OK620930000100_00	**Crooked Creek**	**6.4**	**R**	**5a**	**TMDL**	F	F				I	X		**N**		I				
OK620930000110_00	Cottonwood Creek	7.4	R	3	2016	X	X				X	X		X		X				
OK620930000120_00	Taintor Creek	7.3	R	2	2016	X	F				I	X		I						
OK620930000130_00	Forgan Creek, West	7.9	R	3	2016	X	X				X	X		X						
OK621000010010_00	Arkansas River, Salt Fork	11.3	R	3	2016	X	X				X	X		X		X				
OK621000010010_10	Arkansas River, Salt Fork	8.2	R	3	2016	X	X				X	X		X		X				
OK621000010010_20	Arkansas River, Salt Fork	5.4	R	3	2016	X	X				X	X		X		X				
OK621000010010_30	**Arkansas River, Salt Fork**	**34.5**	**R**	**5a**	**TMDL**	F	F				**N**	**N**		**N**		F				
OK621000010020_00	Deadman Creek	3.2	R	3	2011	I	I				I	X		X						
OK621000010030_00	Conoco Creek	4.7	R	3	2016	X	X				X	X		X						
OK621000010050_00	Cowskin Creek	11.7	R	3	2011	I	I				I	X		X		I				
OK621000010060_00	**Bird's Nest Creek**	**22.5**	**R**	**5c**	**TMDL**	I	**N**				I	X		X		I				
OK621000010070_00	Horseshoe Lake Creek	3.5	R	3	2011	I	I				I	X		X		I				
OK621000010080_00	Horseshoe Lake	1.0	L	3	2016	X	X				X	X		X						
OK621000010090_00	Tonkawa Creek	3.4	R	3	2016	X	X				X	X		X						

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OK621000010100_00	Unnamed Tributary (Deer)	0.4	R	3	2016	X	X				X	X		X		X				
OK621000010110_00	Eddy Creek	6.6	R	3	2011	I	I				I	X		X		I				
OK621000010120_00	Boggy Creek	8.7	R	3	2016	X	X				X	X		X						
OK621000010130_00	Red Bird's Nest Creek	3.4	R	3	2016	I	I				I	X		X						
OK621000010140_00	Tonkawa Creek	2.6	R	3	2011	I	I				I	X		X						
OK621000020010_00	Arkansas River, Salt Fork	41.8	R	2	2016	I	F				I	X		X		I				
OK621000020030_00	Negro Creek	5.4	R	3	2016	X	X				X	X		X						
OK621000020040_00	**Wild Horse Creek**	**24.7**	**R**	**5a**	**TMDL**	F	**N**				F	X		**N**						
OK621000020050_00	Sand Creek	16.2	R	3	2016	X	X				X	X		X						
OK621000020060_00	Kremlin Creek	9.9	R	3	2016	X	X				X	X		X						
OK621000020080_00	Hellums Lake	6.0	L	3	2016	X	X				X	X		X						
OK621000020090_00	Four Corners Creek	5.6	R	3	2016	X	X				X	X		X						
OK621000020100_00	Ninemile Creek	11.3	R	3	2016	I	I				I	X		X						
OK621000020110_00	Ninemile Canyon Creek	1.4	R	3	2016	X	X				X	X		X						
OK621000020120_00	Little Pond Creek	5.9	R	3	2016	X	X				X	X		X						
OK621000020130_00	**Spring Creek**	**6.1**	**R**	**5a**	**TMDL**	F	F				I	X		**N**						
OK621000020140_00	Three Lakes Creek	1.3	R	3	2016	X	X				X	X		X						
OK621000020150_00	Three Lake	1.0	L	3	2016	X	X				X	X		X						
OK621000020160_00	Coldwater Creek	25.8	R	3	2016	I	I				I	X		X						
OK621000020170_00	Sand Creek	18.8	R	3	2016	I	X				I	X		X						
OK621000020180_00	Little Nash Creek	3.1	R	3	2011	X	X				X	X		X						
OK621000020190_00	Nash Creek	12.4	R	3	2016	X	X				X	X		X						
OK621000020200_00	Wagon Creek	24.1	R	3	2016	I	X				I	X		X		X				
OK621000030010_00	**Bois d' Arc Creek**	**36.9**	**R**	**5a**	**TMDL**	I	**N**				**N**	X		**N**		I				

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OK621000030020_00	Santa Fe Creek	3.9	R	3	2016	X	X				X	X		X						
OK621000030040_00	Cattle Creek, East	10.3	R	2	2011	F	F				I	X		X		I				
OK621000030050_00	**Cattle Creek, West**	**8.6**	**R**	**5a**	**TMDL**	I	**N**				I	X		X		I				
OK621000030060_00	Kildare Creek	5.9	R	3	2016	X	X				X	X		X						
OK621000030070_00	Spring Creek	2.1	R	2	2016	X	X				X	X		X			F			
OK621000030080_00	Kildare Creek, North	5.0	R	3	2011	I	I				I	X		X		I				
OK621000030090_00	Spring Creek	3.4	R	2	2011	I	I				I	X		X			F			
OK621000030100_00	Newkirk Creek	4.5	R	3	2016	X	X				X	X		X						
OK621000030110_00	Spring Creek	2.5	R	2	2016	X	X		X			X			X		F			
OK621000030110_10	Spring Creek	3.5	R	2	2016	X	X				X	X		X			F			
OK621000040010_00	**Deer Creek**	**40.8**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**		I				
OK621000040020_00	Thompson Creek	14.2	R	3	2016	X	X				X	X		X						
OK621000040030_00	Peters Creek	9.4	R	3	2016	X	X				X	X		X						
OK621000040040_00	Nardin Creek	8.7	R	3	2016	X	X				X	X		X						
OK621000040050_00	Big Antelope Creek	13.4	R	3	2016	X	X				X	X		X						
OK621000040060_00	Little Antelope Creek	10.6	R	3	2016	X	X				X	X		X						
OK621000040070_00	Dry Creek	9.6	R	2	2016	I	F				I	X		X		I				
OK621000050010_00	**Pond Creek**	**60.2**	**R**	**5a**	**TMDL**	I	F				**N**	X		**N**		I				
OK621000050020_00	Spring Creek	8.1	R	3	2016	X	X				X	X		X						
OK621000050030_00	Polecat Creek	29.1	R	3	2016	X	X				X	X		X		X				
OK621000050040_00	Deadman Creek	8.2	R	3	2016	X	X				X	X		X						
OK621000050050_00	Cottonwood Creek	14.3	R	3	2016	X	X				X	X		X						
OK621000050060_00	Elm Creek	9.8	R	3	2016	X	X				X	X		X						
OK621000050070_00	Renfrow Creek	5.8	R	3	2016	X	X				X	X		X						

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OK621000050080_00	Bullwacker Creek	20.2	R	2	2016	X	X		X			X			X		F			
OK621000050090_00	Medford Creek	8.5	R	3	2016	X	X				X	X		X						
OK621000050100_00	Osage Creek	33.7	R	3	2016	X	X				X	X		X		X				
OK621000050110_00	Wakita Creek	7.6	R	3	2016	X	X				X	X		X						
OK621000060010_00	**Crooked Creek**	**32.9**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK621000060020_00	Gilbert Creek	3.7	R	3	2016	X	X				X	X		X						
OK621000060030_00	Sand Creek	25.1	R	3	2016	X	I				I	X		X		X				
OK621000060040_00	Cooper Creek	9.3	R	3	2016	X	X				X	X		X						
OK621000060050_00	Lynch Creek	8.4	R	3	2016	X	X				X	X		X						
OK621000060060_00	**Duel Creek**	**10.4**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK621000060070_00	Gibbon Creek, North	11.1	R	3	2016	X	X				X	X		X						
OK621000060080_00	Manchester Creek	11.3	R	3	2016	X	X				X	X		X						
OK621000060090_00	Gibbon Creek, East	11.3	R	3	2016	X	X				X	X		X						
OK621010010010_00	**Arkansas River, Salt Fork**	**17.3**	**R**	**5a**	**TMDL**	I	F				**N**	X		**N**		I				
OK621010010020_00	**Great Salt Plains Lake**	**8690.0**	**L**	**5a**	**TMDL**	I	**N**				**N**	X		**N**		I				
OK621010010050_00	Powell Creek	7.7	R	3	2016	I	I				I	X		X		X				
OK621010010060_00	Spring Creek	10.1	R	3	2016	X	X				X	X		X		X				
OK621010010070_00	Twin Creek	10.5	R	3	2016	X	X				X	X		X		X				
OK621010010080_00	Jet Creek	3.7	R	3	2016	X	X				X	X		X		X				
OK621010010090_00	**Clay Creek**	**3.4**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**			F			
OK621010010100_00	Cottonwood Creek	21.5	R	3	2016	I	I				I	X		X		X				
OK621010010110_00	Clay Creek, East	22.1	R	3	2016	X	X				X	X		X		X				
OK621010010120_00	Helena Creek	6.3	R	3	2016	X	X				X	X		X		X				
OK621010010130_00	Clay Creek, West	21.8	R	3	2016	X	X				X	X		X		X				

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OK621010010140_00	Lambert Creek	9.1	R	3	2016	X	X				X	X		X		X				
OK621010010160_00	**Arkansas River, Salt Fork**	**15.0**	**R**	**5a**	**TMDL**	F	**N**				**N**	F		**N**		F				
OK621010010180_00	Ingersoll Creek	10.6	R	3	2016	X	X				X	X		X		X				
OK621010010190_00	Ashley Creek, East	8.7	R	3	2016	X	X				X	X		X		X				
OK621010010200_00	Ashley Creek, West	4.3	R	3	2016	X	X				X	X		X		X				
OK621010010210_00	Capron Creek, South	11.4	R	3	2016	X	X				X	X		X		X				
OK621010010220_00	Arkansas River, Salt Fork	36.6	R	2	2011	I	F				I	X		X		I				
OK621010010230_00	**Turkey Creek**	**20.8**	**R**	**5a**	**TMDL**	**N**	**N**				**N**	X		**N**		I				
OK621010010240_00	**Boggy Creek**	**16.4**	**R**	**5a**	**TMDL**	I	**N**				I	X		X		I				
OK621010010250_00	Greenleaf Creek	19.5	R	3	2016	I	I				I	X		X		X				
OK621010010260_00	Hackberry Creek	2.0	R	3	2016	X	X				X	X		X		X				
OK621010010270_00	**Yellowstone Creek**	**21.8**	**R**	**5a**	**TMDL**	F	**N**				F	X		**N**		I				
OK621010020010_00	**Sandy Creek**	**17.8**	**R**	**5a**	**TMDL**	F	F				I	X		**N**		I				
OK621010020020_00	Little Church Creek	4.3	R	3	2016	X	X				X	X		X		X				
OK621010020030_00	Little Sandy Creek	9.8	R	3	2016	X	X				X	X		X		X				
OK621010020040_00	Salty Creek	4.5	R	3	2016	I	I				I	X		X		X				
OK621010020050_00	Rush Creek	3.6	R	3	2016	X	X				X	X		X		X				
OK621010030010_00	**Medicine Lodge River**	**13.5**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK621010030020_00	Byron Creek	6.1	R	3	2016	X	X				X	X		X		X				
OK621010030030_00	**Driftwood Creek**	**38.8**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK621010030040_00	Dry Creek	10.3	R	3	2016	X	X				X	X		X		X				
OK621010030050_00	Little Driftwood Creek	9.8	R	3	2016	I	I				I	X		X		X				
OK621010030060_00	Loder Creek	4.4	R	3	2016	X	X				X	X		X		X				
OK621010030070_00	Little Mule Creek	6.4	R	3	2016	X	X				X	X		X		X				

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OK621010030080_00	**Capron Creek, North**	**8.1**	**R**	**5a**	**TMDL**	I	**N**				I	X		X		I				
OK621010030090_00	Spring Creek	10.5	R	3	2016	X	X				X	X		X		X				
OK621010030100_00	Stink Creek	19.2	R	3	2016	X	X				I	X		X		X				
OK621100000010_00	**Chikaskia River**	**5.4**	**R**	**5a**	**TMDL**	I	F				**N**	X		**N**		I				
OK621100000010_10	**Chikaskia River**	**23.1**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		**N**		I				
OK621100000010_20	**Chikaskia River**	**12.8**	**R**	**5a**	**TMDL**	F	F				F	X		**N**		F				
OK621100000020_00	Antwine Lake	20.0	L	3	2016	X	X				X	X		X						
OK621100000030_00	**Duck Creek**	**25.8**	**R**	**5a**	**TMDL**	F	**N**				I	X		**N**		F				
OK621100000033_00	**Duckling Creek**	**4.9**	**R**	**5a**	**TMDL**	I	**N**				I	X		X		I				
OK621100000040_00	**Peckham Creek**	**9.3**	**R**	**5b**	**TMDL**	I	**N**				I	X		X		I				
OK621100000050_00	**Stink Creek**	**15.9**	**R**	**5a**	**TMDL**	I	**N**				I	X		X		I				
OK621100000060_00	Lost Creek	15.4	R	3	2011	I	I				I	X		X						
OK621100000070_00	**Grainville Creek**	**6.3**	**R**	**5a**	**TMDL**	I	**N**				I	X		X						
OK621100000080_00	Wentz Lake Creek	1.5	R	3	2016	X	X				X	X		X						
OK621100000090_00	Wentz Lake	17.0	L	3	2016	X	X				X	X		X						
OK621100000100_00	**Bitter Creek**	**23.3**	**R**	**5a**	**TMDL**	I	**N**				**N**	X		**N**		I				
OK621100000110_00	Dry Creek	20.6	R	3	2016	X	X				X	X		X						
OK621100000120_00	Braman Creek	10.5	R	3	2016	X	X				X	X		X						
OK621100000130_00	**Scatter Creek**	**7.6**	**R**	**5c**	**TMDL**	I	**N**				I	X		X		I				
OK621100000140_00	Sumpter Creek	6.9	R	3	2016	X	X				X	X		X						
OK621100000150_00	Bitter Creek, East	4.1	R	3	2016	X	X				X	X		X						
OK621100000160_00	Spring Creek	8.8	R	3	2016	X	X				X	X		X						
OK621100000180_00	Shoo Fly Creek	7.8	R	3	2016	X	X				X	X		X						
OK621100000190_00	Chikaskia River	7.9	R	3	2016	X	X				X	X		X		X				

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OK621100000200_00	Blackwell Lake	53.0	L	3	2008	X	X				X	X		X						
OK621100000210_00	Blackwell Creek	5.0	R	3	2016	X	X				X	X		X						
OK621100000220_00	Sand Creek	5.9	R	3	2016	X	X				X	X		X						
OK621100000230_00	Bluff Creek	11.7	R	3	2016	X	X				X	X		X		X				
OK621100000240_00	Spring Creek	5.1	R	3	2016	X	X				X	X		X						
OK621100000250_00	Sullivan Branch	6.1	R	3	2016	X	X				X	X		X						
OK621200010020_00	**Keystone Lake**	**5902.5**	**L**	**5a**	**TMDL**	I	F				**N**	X		I		I				
OK621200010025_00	Keywest Creek	1.9	R	2	2011	I	F				I	X		X		I				
OK621200010030_00	Bogy Creek	2.3	R	3	2016	X	X				X	X		X						
OK621200010040_00	Arkansas River	1.6	R	3	2016	X	X				I	X		X		X				
OK621200010050_00	**Keystone Lake, Arkansas River Arm**	**5902.5**	**L**	**5a**	**TMDL**	I	F				**N**	X		I		I				
OK621200010060_00	Mud Creek	4.5	R	3	2016	X	X				X	X		X						
OK621200010070_00	Rock Creek	2.6	R	3	2016	X	X				X	X		X						
OK621200010080_00	Walnut Creek	2.9	R	3	2016	X	X				X	X		X						
OK621200010090_00	Waresha Creek	2.6	R	3	2016	X	X				X	X		X						
OK621200010100_00	Little Waresha Creek	2.3	R	3	2016	X	X				X	X		X						
OK621200010110_00	Cowskin Creek	5.4	R	3	2016	X	X				X	X		X						
OK621200010120_00	Bear Creek	5.4	R	3	2016	X	X				X	X		X						
OK621200010130_00	Mill Creek	2.9	R	3	2016	X	X				X	X		X						
OK621200010140_00	Vandruff Creek	4.0	R	3	2016	X	X				X	X		X						
OK621200010150_00	Mechetsemoi Creek	4.2	R	3	2016	X	X				X	X		X						
OK621200010160_00	Osage Creek	4.4	R	3	2016	X	X				X	X		X						
OK621200010170_00	Cedar Creek	7.0	R	3	2016	X	X				X	X		X						
OK621200010180_00	Scanlon Creek	3.5	R	3	2016	X	X				X	X		X						

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OK621200010190_00	Black Dog Creek	4.7	R	3	2016	X	X				X	X		X						
OK621200010200_00	**Arkansas River**	**37.5**	**R**	**5a**	**TMDL**	I	F				**N**	F		**N**		I				
OK621200010210_00	Sand Creek	3.1	R	3	2016	X	X				X	X		X						
OK621200010220_00	Ghost Hollow Creek	2.9	R	3	2016	X	X				X	X		X						
OK621200010230_00	Ranch Creek	2.2	R	3	2016	X	X				X	X		X						
OK621200010240_00	Turkey Creek	2.3	R	3	2016	X	X				X	X		X						
OK621200010250_00	Carpenter Creek	4.6	R	3	2016	X	X				X	X		X						
OK621200010260_00	Ranch Creek	7.1	R	3	2016	X	X				X	X		X						
OK621200010270_00	**Cleveland Lake**	**159.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		F						
OK621200010280_00	Ranch Creek, West Branch	7.0	R	3	2016	X	X				X	X		X						
OK621200010300_00	Maramec Lake	28.0	L	3	2016	X	X				X	X		X						
OK621200010310_00	Hellroaring Creek	10.0	R	3	2016	X	X				X	X		X						
OK621200010320_00	Bug Creek	11.5	R	3	2016	X	X				X	X		X		X				
OK621200010330_00	Harper Creek	4.8	R	3	2016	X	X				X	X		X						
OK621200010350_00	Sycamore Creek	11.5	R	3	2016	X	X				X	X		X						
OK621200010360_00	Dry Creek	5.1	R	3	2016	X	X				X	X		X						
OK621200010370_00	Spring Creek	3.9	R	3	2016	X	X				X	X		X						
OK621200010380_00	Coal Creek	11.8	R	3	2016	X	X				X	X		X						
OK621200010390_00	Coon Creek	5.4	R	3	2016	X	X				X	X		X						
OK621200010400_00	**Gray Horse Creek**	**15.9**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**						
OK621200010410_00	Lucy Creek	9.0	R	3	2016	X	X				X	X		X						
OK621200010420_00	Eagle Creek	5.6	R	3	2016	X	X				X	X		X						
OK621200020010_00	Arkansas River	4.9	R	3	2016	X	X				X	X		X		X				
OK621200020010_10	Arkansas River	14.8	R	3	2016	X	X				X	X		X		X				

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OK621200020010_20	Arkansas River	0.9	R	3	2016	X	X				X	X		X		X				
OK621200020010_30	Arkansas River	24.6	R	3	2016	X	X				X	X		X		X				
OK621200020010_40	Arkansas River	6.7	R	3	2016	X	X				X	X		X		X				
OK621200020010_50	Arkansas River	10.3	R	3	2011	X	X				I	I		X		I				
OK621200020020_00	**Doga Creek**	**9.9**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK621200020030_00	Clear Creek	7.4	R	3	2016	X	X				X	X		X						
OK621200020040_00	Doga Creek, East Fork	5.0	R	3	2016	X	X				X	X		X		X				
OK621200020050_00	Doga Creek, West Fork	2.7	R	3	2016	X	X				X	X		X		X				
OK621200020060_00	Doga Creek, Middle Fork	4.8	R	3	2016	X	X				X	X		X		X				
OK621200020070_00	Bedford Creek	3.7	R	3	2016	X	X				X	X		X						
OK621200020080_00	Mud Creek	5.8	R	3	2016	X	X				X	X		X						
OK621200020090_00	Brush Creek	4.5	R	3	2016	X	X				X	X		X						
OK621200020100_00	Rock Creek	9.4	R	3	2016	X	X				X	X		X						
OK621200020110_00	Greasy Creek	4.1	R	3	2016	X	X				X	X		X						
OK621200020120_00	Watchorn Creek	5.9	R	3	2016	X	X				X	X		X						
OK621200020130_00	**Sooner Lake**	**5400.0**	**L**	**5a**	**TMDL**	F	**N**				**N**	X		F						
OK621200020150_00	Big Drum Creek	7.4	R	3	2016	X	X				X	X		X						
OK621200020160_00	Little Drum Creek	7.6	R	3	2016	X	X				X	X		X						
OK621200020170_00	Prettyhair Creek	5.6	R	3	2016	X	X				X	X		X						
OK621200020180_00	Simpkins Creek	5.2	R	3	2016	X	X				X	X		X						
OK621200020190_00	Turkey Creek	2.7	R	3	2016	X	X				X	X		X		X				*
OK621200020200_00	Turkey Creek, West Ponca Lake Branch	6.7	R	3	2016	X	X				X	X		X		X				*
OK621200020210_00	**Lake Ponca**	**402.5**	**L**	**5a**	**TMDL**	F	F				**N**	X		I		**N**				*
OK621200020220_00	Turkey Creek, East Ponca Lake Branch	3.3	R	3	2016	X	X				X	X		X		X				*

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OK621200020250_00	Indian Hills Lake	1.0	L	3	2016	X	X				X	X		X						
OK621200020260_00	Coon Creek (Dry)	6.2	R	3	2016	X	X				X	X		X						
OK621200020270_00	Charley Creek	9.5	R	3	2016	X	X				X	X		X						
OK621200030010_00	**Black Bear Creek**	**68.0**	**R**	**5a**	**TMDL**	I	F				**N**	**N**		**N**		I				
OK621200030020_00	Little Crystal Creek	2.5	R	3	2016	X	X				X	X		X						
OK621200030030_00	Crystal Creek	8.0	R	3	2016	X	X				X	X		X						
OK621200030040_00	**Camp Creek**	**23.1**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		I				
OK621200030060_00	**Lone Chimney Lake**	**550.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		I						
OK621200030070_00	Pawnee Creek	4.8	R	3	2016	X	X				X	X		X						
OK621200030080_00	Skedee Creek	2.0	R	3	2016	X	X				X	X		X		X				*
OK621200030090_00	Skedee Creek	5.3	R	3	2016	X	X				X	X		X		X				*
OK621200030100_00	**Pawnee Lake**	**257.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		F		**N**				*
OK621200030110_00	Little Skedee Creek	3.2	R	3	2016	X	X				X	X		X		X				*
OK621200030120_00	Feaster Lake Creek	2.2	R	3	2016	X	X				X	X		X		X				*
OK621200030130_00	Feaster Lake	7.0	L	3	2016	X	X				X	X		X						
OK621200030140_00	Pepper Creek	6.8	R	3	2016	X	X				X	X		X						
OK621200030150_00	Peters Creek	4.5	R	3	2016	X	X				X	X		X						
OK621200030160_00	Turkey Creek	6.6	R	3	2016	X	X				X	X		X						
OK621200030170_00	Panther Creek	6.7	R	3	2016	X	X				X	X		X						
OK621200030180_00	Lion Creek	5.3	R	3	2016	X	X				X	X		X						
OK621200030190_00	Oak Creek	9.9	R	**4a**	2016	X	X				X	X		X		X				
OK621200030200_00	Long Branch	20.7	R	3	2016	X	X				X	X		X						
OK621200030210_00	Otoe Creek	5.8	R	3	2016	X	X				X	X		X						
OK621200030220_00	Spring Creek	6.4	R	3	2016	X	X				X	X		X						

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OK621200030230_00	Mule Creek	8.6	R	3	2016	X	X				X	X		X						
OK621200030240_00	Willow Creek	7.5	R	3	2016	X	X				X	X		X						
OK621200030250_00	Elm Creek	8.3	R	3	2016	X	X				X	X		X						
OK621200030260_00	Black Bear Creek	17.2	R	2	2011	I	F				I	X		X		I				
OK621200030260_10	**Black Bear Creek**	**11.7**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK621200030260_20	Black Bear Creek	18.2	R	2	2011	I	F				I	X		X						
OK621200030270_00	**Cow Creek**	**11.0**	**R**	**5a**	**TMDL**	I	X				I	X		**N**		I				
OK621200030290_00	Wills Lake	5.0	L	3	2016	X	X				X	X		X						
OK621200030300_00	Perry Lake Park Creek	2.0	R	3	2016	X	X				X	X		X						
OK621200030310_00	Perry Lake Park Lake	6.0	L	3	2016	X	X				X	X		X						
OK621200030320_00	Calf Creek	4.0	R	3	2016	X	X				X	X		X						
OK621200030330_00	Little Cow Creek	2.9	R	3	2016	X	X				X	X		X						
OK621200030340_00	Cow Creek	9.4	R	3	2016	I	X				I	X		X		I				*
OK621200030350_00	**Perry Lake**	**614.0**	**L**	**5a**	**TMDL**	**N**	F				**N**	X		F		I				*
OK621200030360_00	**Gansel Creek**	**7.4**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK621200030370_00	Warren Creek	8.2	R	3	2016	X	X				X	X		X						
OK621200030380_00	Warren Creek, East	5.1	R	3	2016	X	X				X	X		X						
OK621200030390_00	Warren Creek, West	5.0	R	2	2011	I	F				F	X		X						
OK621200030396_00	**Lucien Creek**	**3.6**	**R**	**5a**	**TMDL**	F	**N**				F	X		X		X				
OK621200030400_00	Turkey Creek	3.6	R	3	2016	X	X				X	X		X						
OK621200030410_00	Panther Creek	11.8	R	3	2016	X	X				X	X		X						
OK621200030420_00	**Garber Creek**	**5.6**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK621200030430_00	Crow Creek	5.1	R	3	2011	I	I				I	X		X						
OK621200030440_00	Olive E!	2.4	R	3	2016	I	I				I	X		X						

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OK621200030450_00	Olive W!	3.0	R	3	2016	I	I				I	X		X						
OK621200030460_00	Olive	2.1	R	3	2011	I	I				I	X		X						
OK621200030470_00	Yogi	1.9	R	3	2016	I	I				I	X		X						
OK621200030480_00	Garber Trib A!	1.9	R	3	2016	I	I				I	X		X						
OK621200030490_00	**Garber Field!**	**3.4**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK621200030500_00	**St. John!**	**2.6**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK621200030510_00	**Shale!**	**2.5**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK621200030520_00	Lincoln!	5.4	R	3	2016	I	I				I	X		X						
OK621200030530_00	Lutheran E!	0.9	R	3	2016	I	I				I	X		X						
OK621200030540_00	Lutheran mid. Branch	1.9	R	3	2016	I	I				I	X		X						
OK621200030550_00	Lutheran W!	2.3	R	3	2016	I	I				I	X		X						
OK621200030560_00	**Lutheran!**	**2.8**	**R**	**5c**	**TMDL**	I	**N**				I	X		X						
OK621200030570_00	Fozzie!	2.0	R	3	2011	I	I				I	X		X						
OK621200040010_00	**Salt Creek**	**17.3**	**R**	**5a**	**TMDL**	I	F				**N**	X		**N**		I				
OK621200040010_10	**Salt Creek**	**44.0**	**R**	**5a**	**TMDL**	I	F				I	X		**N**		I				
OK621200040020_00	Threemile Canyon Creek	3.8	R	3	2016	X	X				X	X		X						
OK621200040030_00	Wild Creek	5.7	R	3	2016	X	X				X	X		X		X				*
OK621200040040_00	**Fairfax Lake**	**111.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F		I				*
OK621200040050_00	Tate Creek	4.1	R	3	2016	X	X				X	X		X						
OK621200040060_00	Solomon Creek	6.0	R	3	2016	X	X				X	X		X						
OK621200040070_00	**Little Chief Creek**	**13.2**	**R**	**5a**	**TMDL**	F	F				I	X		**N**		I				
OK621200040080_00	Lost Man Creek	6.7	R	3	2016	X	X				X	X		X						
OK621200040090_00	Wild Horse Creek	3.4	R	3	2016	X	X				X	X		X						
OK621200040100_00	Jim Creek	8.8	R	3	2016	X	X				X	X		X						

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OK621200040110_00	Stewart Creek	4.4	R	3	2016	X	X				X	X		X						
OK621200040120_00	Mud Creek	5.7	R	3	2016	X	X		X			X			X					
OK621200040130_00	Hay Creek	7.1	R	3	2016	X	X				X	X		X						
OK621200040140_00	Webb City Creek	2.6	R	3	2016	X	X				X	X		X						
OK621200040150_00	Shidler Creek	3.1	R	3	2016	X	X				X	X		X						
OK621200040160_00	Rock Creek	0.3	R	3	2016	X	X				X	X		X						
OK621200040170_00	Rock Creek	5.5	R	3	2016	X	X				X	X		X		X				*
OK621200040180_00	Phillips Lake (Shidler)	1.0	L	3	2016	X	X				X	X		X		X				*
OK621200040190_00	Potato Creek	6.5	R	3	2016	X	X				X	X		X						
OK621200040200_00	Wamsley Creek	5.8	R	3	2016	X	X				X	X		X						
OK621200040210_00	Elm Creek	12.1	R	3	2016	X	X				X	X		X		X				
OK621200040220_00	Dugout Creek	9.1	R	3	2016	X	X				X	X		X						
OK621200040230_00	Antelope Creek	7.4	R	3	2016	X	X				X	X		X						
OK621200040240_00	Adams Lake Creek	1.3	R	3	2016	X	X				X	X		X						
OK621200040250_00	Adams Lake	63.0	L	3	2016	X	X				X	X		X						
OK621200040260_00	Grainola Creek	2.9	R	3	2016	X	X				X	X		X						
OK621200050010_00	**Red Rock Creek**	**37.3**	**R**	**5a**	**TMDL**	I	**N**				**N**	X		**N**						
OK621200050010_10	**Red Rock Creek**	**46.1**	**R**	**5a**	**TMDL**	I	**N**				**N**	X		**N**						
OK621200050020_00	Cat Creek	2.5	R	3	2016	X	X				X	X		X						
OK621200050030_00	Houston Creek	4.2	R	3	2016	X	X				X	X		X						
OK621200050040_00	Coon Creek	5.3	R	3	2016	X	X				X	X		X						
OK621200050050_00	Long Creek	10.4	R	3	2016	X	X				X	X		X						
OK621200050060_00	Bird Creek	7.1	R	3	2016	X	X				X	X		X						
OK621200050070_00	Marland Creek	7.1	R	3	2016	X	X				X	X		X						

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OK621200050080_00	Squaw Creek	8.0	R	3	2016	X	X				X	X		X						
OK621200050090_00	Skinny Creek	13.0	R	3	2011	I	I				I	X		X						
OK621200050100_00	Cottonwood Creek	7.4	R	3	2016	X	X				X	X		X						
OK621200050110_00	Perry Air Creek	9.3	R	3	2016	X	X				X	X		X						
OK621200050120_00	Ceres Creek	4.7	R	3	2016	X	X				X	X		X						
OK621200050130_00	Little Hackberry Creek	9.7	R	3	2016	X	X				X	X		X						
OK621200050140_00	Hackberry Creek	12.9	R	3	2016	X	X				X	X		X						
OK621200050150_00	Dean Creek	8.5	R	3	2016	X	X				X	X		X						
OK621200050160_00	**Grassy Creek**	**13.6**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**						
OK621200050170_00	Doe Creek	6.7	R	3	2016	X	X				X	X		X						
OK621200050180_00	Bunch Creek	12.4	R	3	2016	X	X				X	X		X						
OK621200050190_00	Billings Creek	4.7	R	3	2016	X	X				X	X		X						
OK621200050200_00	Monkey Creek	8.5	R	3	2010	I	I				I	X		X						
OK621200050210_00	Elkhorn Creek	10.1	R	2	2011	I	F				I	X		X						
OK621200050220_00	Ranch Creek	4.0	R	3	2016	X	X				X	X		X						
OK621200050230_00	Hereford Creek	10.5	R	3	2016	X	X				X	X		X						
OK621200050240_00	Wolf Creek	4.7	R	3	2016	X	X				X	X		X						
OK621200050250_00	Thompson Lake Creek	8.0	R	3	2016	X	X				X	X		X						
OK621200050260_00	Thompson Lake	1.0	L	3	2016	X	X				X	X		X						
OK621210000020_00	**Kaw Lake, Lower**	**8520.0**	**L**	**5a**	**TMDL**	I	I				**N**	X		I		X				
OK621210000030_10	**Arkansas River**	**14.4**	**R**	**5a**	**TMDL**	I	**N**				**N**	I		**N**		I				
OK621210000040_00	**Kaw Lake, Upper**	**8520.0**	**L**	**5a**	**TMDL**	I	I				**N**	X		I		X				
OK621210000050_10	**Beaver Creek**	**21.6**	**R**	**5a**	**TMDL**	I	F				**N**	X		**N**		I				
OK621210000070_00	Aleck Creek	3.4	R	3	2016	X	X				X	X		X						

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OK621210000080_00	Little Beaver Creek	13.0	R	3	2016	X	X				X	X		X						
OK621210000090_00	Canadian Creek	4.8	R	3	2016	X	X				X	X		X						
OK621210000100_00	Mud Creek	5.4	R	3	2016	X	X				X	X		X						
OK621210000110_00	Myers Creek	4.6	R	3	2016	X	X				X	X		X						
OK621210000120_00	Rabbit Creek	6.0	R	3	2016	X	X				X	X		X						
OK621210000130_00	Cooper Creek	1.8	R	3	2016	X	X				X	X		X						
OK621210000140_00	Haines Creek	4.3	R	3	2016	X	X				X	X		X						
OK621210000150_00	Bayliss Creek	3.5	R	3	2016	X	X				X	X		X						
OK621210000160_00	Otter Creek	6.0	R	3	2016	X	X				X	X		X						
OK621210000170_00	Lone Tree Creek	1.3	R	3	2016	X	X				X	X		X						
OK621210000180_00	Spring Creek	2.4	R	3	2016	X	X				X	X		X						
OK621210000190_00	Coon Creek	5.8	R	3	2016	X	X				X	X		X						
OK621210000200_00	Bear Creek	5.4	R	3	2016	X	X				X	X		X						
OK621210000210_00	Sweetwater Creek	7.0	R	3	2016	X	X				X	X		X						
OK621210000220_00	Wolf Creek	7.6	R	3	2016	X	X				X	X		X						
OK621210000230_00	Newkirk Country Club Lake	41.0	L	3	2016	X	X				X	X		X						
OK621210000240_00	Deer Creek	8.7	R	3	2016	X	X				X	X		X						
OK621210000260_00	Newkirk Lake	21.0	L	3	2016	X	X				X	X		X						
OK621210000270_00	**Chilocco Creek**	**16.3**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**						
OK621210000280_00	Osage Creek	5.5	R	3	2016	X	X				X	X		X						
OK621210000290_00	Little Osage Creek	4.5	R	3	2016	X	X				X	X		X						
OK720500010010_00	**Canadian River, North**	**37.4**	**R**	**5a**	**TMDL**	F	F				**N**	F		**N**		F				
OK720500010020_00	**Canton Lake**	**7910.0**	**L**	**5a**	**TMDL**	F	F				**N**	X		F		I				
OK720500010030_00	Red Bluff Cut Off Lake	1.0	L	3	2016	X	X				X	X		X						

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OK720500010040_00	Cheyenne Creek	5.8	R	3	2016	X	X				X	X		X		X				
OK720500010050_00	Seiling Creek	7.1	R	3	2016	I	I				I	X		X						
OK720500010060_00	Deep Creek	12.1	R	3	2016	I	I				I	X		X		X				
OK720500010070_00	**Bent Creek**	**18.1**	**R**	**5a**	**TMDL**	F	**N**				**N**	X		**N**		I				
OK720500010080_00	Camp Creek	8.5	R	3	2016	I	I				I	X		X		X				
OK720500010090_00	Kizer Creek	15.9	R	3	2016	X	X				X	X		X		X				
OK720500010100_00	Kizer Creek, North	9.6	R	3	2016	X	X				X	X		X						
OK720500010110_00	Cottonwood Creek	10.2	R	3	2016	X	X				X	X		X		X				
OK720500010120_00	Cottonwood Creek, North	6.3	R	3	2016	X	X				X	X		X						
OK720500010130_00	Mutual Creek	7.0	R	3	2016	X	X				X	X		X						
OK720500010140_00	Canadian River, North	18.6	R	3	2011	X	X				X	X		X		X				
OK720500010140_10	**Beaver River (North Canadian)**	**11.5**	**R**	**5a**	**TMDL**	F	F				F	F		**N**						
OK720500010140_20	Canadian River, North	22.6	R	2	2016	I	F				I	X		X						
OK720500010150_00	**Persimmon Creek**	**13.5**	**R**	**5a**	**TMDL**	F	F				F	X		**N**		I				
OK720500010160_00	Hackberry Creek	10.0	R	3	2016	X	X				X	X		X						
OK720500010170_00	Persimmon Creek, North	20.4	R	3	2016	X	X				X	X		X		X				
OK720500010180_00	Persimmon Creek, South	10.4	R	3	2016	X	X				X	X		X		X				
OK720500010190_00	Sand Creek	9.8	R	3	2016	X	X				X	X		X						
OK720500010200_00	**Indian Creek**	**17.0**	**R**	**5c**	**TMDL**	I	F				**N**	X		F		I				
OK720500010210_00	Mooreland Creek	4.0	R	3	2016	X	X				X	X		X						
OK720500010220_00	Bull Creek	5.2	R	3	2016	X	X				X	X		X						
OK720500010230_00	Boggy Creek	4.6	R	3	2016	X	X				X	X		X						
OK720500010240_00	Boiling Springs Creek	1.7	R	3	2016	X	X				X	X		X						
OK720500010250_00	Woodward Creek	5.5	R	3	2016	X	X				X	X		X						

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OK720500010260_00	Crystal Beach Lake	10.0	L	3	2016	I	X				X	X		X						
OK720500010270_00	Spring Creek	6.4	R	3	2016	X	X				X	X		X						
OK720500010280_00	Field Station Lake	10.0	L	3	2016	I	X				X	X		X						
OK720500010290_00	Sand Creek	7.4	R	3	2016	I	I				I	X		X						
OK720500010300_00	Roundup Creek	2.3	R	3	2016	X	X				X	X		X						
OK720500020010_00	**Beaver River (North Canadian)**	**40.1**	**R**	**5a**	**TMDL**	I	F				F	F		**N**						
OK720500020030_00	**Wolf Creek**	**5.6**	**R**	**5a**	**TMDL**	F	F				**N**	X		F		X				*
OK720500020040_00	Sand Creek	11.5	R	3	2016	X	X				X	X		X						
OK720500020050_00	**Otter Creek**	**13.6**	**R**	**5a**	**TMDL**	I	F				**N**	X		**N**		I				
OK720500020060_00	Otter Creek, East	9.7	R	3	2016	X	X				X	X		X						
OK720500020070_00	**Clear Creek**	**29.7**	**R**	**5a**	**TMDL**	I	F				F	I		**N**		I				
OK720500020080_00	Dry Prong Creek	9.4	R	3	2016	X	X				X	X		X						
OK720500020100_00	**Spring Creek**	**6.7**	**R**	**5a**	**TMDL**	I	F				I	X		**N**						
OK720500020110_00	Spring Creek, North Fork	6.2	R	3	2016	X	X				X	X		X						
OK720500020120_00	Spring Creek, South Fork	8.9	R	3	2016	X	X				X	X		X						
OK720500020130_00	**Kiowa Creek**	**34.5**	**R**	**5a**	**TMDL**	I	F				I	I		**N**		I				
OK720500020140_00	**Beaver River (North Canadian)**	**39.0**	**R**	**5a**	**TMDL**	I	**N**				F	F		**N**						
OK720500020150_00	Camp Creek	18.9	R	3	2016	X	X				X	X		X		X				
OK720500020160_00	Sand Creek	19.5	R	3	2016	X	X				X	X		X		X				
OK720500020170_00	Indian Creek	11.9	R	3	2016	X	X				X	X		X						
OK720500020180_00	Don Jose Creek	9.1	R	3	2016	X	X				X	X		X						
OK720500020190_00	Coon Creek	18.4	R	3	2016	X	X				X	X		X		X				
OK720500020200_00	Kiowa Creek, North Fork	14.7	R	3	2016	X	X				X	X		X						
OK720500020210_00	Mexico Creek	9.4	R	3	2016	X	X				X	X		X		X				

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OK720500020220_00	Evans Chambers Lake	80.0	L	3	2016	X	X				I	X		X						
OK720500020230_00	Kidds Creek	8.3	R	3	2016	X	X				X	X		X						
OK720500020240_00	Knowles Creek	7.2	R	3	2016	X	X				X	X		X						
OK720500020250_00	**Duck Pond Creek**	**40.6**	**R**	**5a**	**TMDL**	I	F				**N**	X		**N**		I				
OK720500020260_00	Camp Creek	13.3	R	3	2016	X	X				X	X		X		X				
OK720500020270_00	Spring Creek	7.2	R	3	2016	X	X				X	X		X						
OK720500020280_00	Timber Creek	8.0	R	3	2016	X	X				X	X		X						
OK720500020290_00	**Beaver River (North Canadian)**	**31.4**	**R**	**5a**	**TMDL**	I	**N**				F	F		**N**						
OK720500020300_00	**Clear Creek**	**23.5**	**R**	**5a**	**TMDL**	I	F				**N**	X		**N**		I				
OK720500020310_00	Cottonwood Creek	11.8	R	3	2016	X	X				X	X		X		X				
OK720500020330_00	Clear Creek, South Fork	19.4	R	3	2016	X	X				X	X		X		X				
OK720500020340_00	Clear Creek, North Fork	25.4	R	3	2016	X	X				X	X		X		X				
OK720500020350_00	Spring Creek	11.2	R	3	2016	X	X				X	X		X						
OK720500020370_00	Beaver Pioneer Creek	7.3	R	3	2016	X	X				X	X		X						
OK720500020380_00	Home Creek	11.5	R	3	2016	X	X				X	X		X		X				
OK720500020390_00	Sixmile Creek	23.9	R	3	2016	X	X				X	X		X		X				
OK720500020400_00	Dugout Creek	15.7	R	3	2016	X	X				X	X		X						
OK720500020410_00	Elm Creek	14.9	R	3	2016	X	X				X	X		X						
OK720500020420_00	Willow Creek	14.5	R	3	2016	X	X				X	X		X		X				
OK720500020430_00	Sharp Creek	11.6	R	3	2016	X	X				X	X		X		X				
OK720500020440_00	Short Creek	6.9	R	3	2016	X	X				X	X		X						
OK720500020450_00	**Beaver River (North Canadian)**	**28.2**	**R**	**5a**	**TMDL**	I	**N**				**N**	F		**N**						
OK720500020450_10	Beaver River (North Canadian)	2.6	R	3	2016	X	X				I	X		X						
OK720500020460_00	Jackson Creek	22.2	R	3	2016	X	X				X	X		X		X				

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OK720500020470_00	Jackson Creek, East Fork	11.6	R	3	2016	X	X				X	X		X						
OK720500020480_00	Bull Creek	17.5	R	3	2016	X	X				X	X		X		X				
OK720500020490_00	Red Horse Creek	9.4	R	3	2016	X	X				X	X		X						
OK720500020500_00	**Palo Duro Creek**	**15.8**	**R**	**5a**	**TMDL**	I	**N**				**N**	I		**N**		I				
OK720500020500_10	**Palo Duro Creek**	**4.4**	**R**	**5a**	**TMDL**	I	F				**N**	X		**N**		I				
OK720500020510_00	Fulton Creek	17.5	R	3	2016	X	X				X	X		X		X				
OK720500020520_00	Sand Creek	8.6	R	3	2016	X	X				X	X		X		X				
OK720500020530_00	Chiquita Creek	15.0	R	3	2016	X	X				X	X		X		X				
OK720500020540_00	Webb Lake	1.0	L	3	2016	X	X				X	X		X						
OK720500020550_00	Cottonwood Creek	7.6	R	3	2016	X	X				X	X		X						
OK720500020560_00	Hachberry Creek	19.0	R	3	2016	X	X				X	X		X		X				
OK720500020570_00	Peacher Creek	4.6	R	3	2016	X	X				X	X		X						
OK720500020580_00	Sand Draw	5.6	R	3	2016	X	X				X	X		X						
OK720500020590_00	Dry Creek	18.1	R	3	2016	X	X				X	X		X						
OK720500030010_00	**Wolf Creek**	**43.1**	**R**	**5a**	**TMDL**	F	F				F	F		**N**		I				*
OK720500030020_00	**Fort Supply Lake**	**1880.0**	**L**	**5a**	**TMDL**	I	F				**N**	X		F		**N**				*
OK720500030030_00	Eightmile Creek	11.4	R	3	2016	X	X				X	X		X						
OK720500030040_00	Turkey Creek	12.6	R	3	2016	X	X				X	X		X						
OK720500030050_00	Sixteenmile Creek	16.6	R	3	2016	X	X				X	X		X		X				*
OK720500030060_00	Boggy Creek	18.5	R	3	2016	X	X				X	X		X						
OK720500030070_00	Little Wolf Creek	14.8	R	3	2016	X	X				X	X		X		X				*
OK720500030080_00	**Buzzard Creek**	**10.1**	**R**	**5a**	**TMDL**	F	F				I	X		**N**		I				*
OK720500030090_00	Twentyfivemile Creek	20.2	R	3	2016	I	I				I	X		X		X				*
OK720500030100_00	Willow Creek	12.0	R	3	2016	X	X				X	X		X		X				*

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OK720500030110_00	Rock Creek	14.9	R	3	2016	X	X				X	X		X		X				*
OK720500030130_00	Six Pony Creek	10.8	R	3	2016	X	X				X	X		X						
OK720500030140_00	Ivanhoe Creek	13.9	R	3	2016	X	X				X	X		X						
OK720500030150_00	Long Creek	11.8	R	3	2016	X	X				X	X		X						
OK720510000020_00	Beaver River (North Canadian)	4.6	R	3	2016	X	X				X	X		X		X				
OK720510000030_00	Optima Lake	5340.0	L	3	2016	X	X				X	X		X						
OK720510000035_00	Ann Ruth's Stream	1.9	R	3	2016	X	X				X	X		X						
OK720510000040_00	Coldwater Creek	18.7	R	3	2016	X	X				X	X		X		X				
OK720510000050_00	Frisco Creek	18.4	R	3	2016	X	X				X	X		X						
OK720510000060_00	Frisco Creek, North Fork	18.5	R	3	2016	X	X				X	X		X						
OK720510000080_00	Aqua Fria Creek	21.1	R	3	2016	X	X				X	X		X						
OK720510000090_00	Pony Creek	33.6	R	3	2016	X	X				X	X		X		X				
OK720510000100_00	Beaver River (North Canadian)	16.0	R	3	2016	X	X				X	X		X		X				
OK720510000110_00	Goff Creek	57.4	R	3	2016	X	X				X	X		X		X				
OK720510000115_00	Leftover creek	4.3	R	3	2016	X	X				X	X		X						
OK720510000120_00	Cow Creek	21.5	R	3	2016	X	X				X	X		X						
OK720510000140_00	Little Goff Creek	19.0	R	3	2016	X	X				X	X		X						
OK720510000150_00	Dry Sand Draw	14.1	R	3	2016	X	X				X	X		X						
OK720510000160_00	Sunset Lake	10.0	L	3	2016	X	X				X	X		X						
OK720510000190_00	**Beaver River (North Canadian)**	**42.5**	**R**	**5a**	**TMDL**	I	F				**N**	F		**N**		I				
OK720510000190_10	Beaver River (North Canadian)	55.8	R	3	2016	X	X				X	X		X		X		*		
OK720510000200_00	Tepee Creek	32.2	R	3	2016	X	X				X	X		X		X				
OK720510000210_00	Spring Aroa Creek	9.8	R	3	2016	X	X				X	X		X						
OK720510000220_00	Sand Creek	40.8	R	3	2016	X	X				X	X		X		X				

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OK720510000230_00	Sand Creek, North	13.4	R	3	2016	X	X				X	X		X						
OK720510000240_00	Cienequilla Creek	7.6	R	3	2016	X	X				X	X		X		X				
OK720510000275_00	**Corrumpa Creek**	**12.9**	**R**	**5a**	**TMDL**	F	F				**N**	X		**N**		X		*		
OK720900000010_00	**Cimarron River**	**46.8**	**R**	**5a**	**TMDL**	F	F				I	X		**N**		F		*		
OK720900000020_00	Burrows Draw	4.9	R	3	2016	X	X				X	X		X						
OK720900000030_00	Nevitt Draw	5.8	R	3	2016	X	X				X	X		X						
OK720900000040_00	King Draw	3.7	R	3	2016	X	X				X	X		X						
OK720900000050_00	Picket House Draw, South	8.9	R	3	2016	X	X				X	X		X		X				
OK720900000060_00	Picket House Draw, North	7.3	R	3	2016	X	X				X	X		X						
OK720900000070_00	Flagg Springs Creek	8.9	R	3	2016	X	X				X	X		X						
OK720900000080_00	Ute Canyon Creek	6.4	R	3	2016	X	X				X	X		X						
OK720900000100_00	**Cold Springs Creek**	**29.2**	**R**	**5a**	**TMDL**	F	I				**N**	X		I		I				
OK720900000110_00	Canyon Creek, North	6.4	R	3	2016	X	X				X	X		X						
OK720900000120_00	Red Canyon Creek	3.4	R	3	2016	X	X				X	X		X						
OK720900000130_00	Gallinas Canyon Creek	5.4	R	3	2016	X	X				X	X		X		X				
OK720900000140_00	Bingaman Canyon Creek	3.5	R	3	2016	X	X				X	X		X						
OK720900000150_00	Lane Canyon Creek	4.8	R	3	2016	X	X				X	X		X						
OK720900000160_00	Sand Canyon Creek	1.0	R	3	2016	X	X				X	X		X						
OK720900000170_00	Pat Canyon Creek	2.6	R	3	2016	X	X				X	X		X						
OK720900000180_00	**Cimarron River**	**19.2**	**R**	**5a**	**TMDL**	I	I				**N**	X		**N**		I		*		
OK720900000190_00	Water Canyon Creek	8.2	R	3	2016	X	X				X	X		X		X				
OK720900000200_00	**Carrizo Creek, South**	**19.6**	**R**	**5a**	**TMDL**	I	I				**N**	X		I		I				
OK720900000210_00	Cottonwood Canyon Creek	8.3	R	3	2016	X	X				X	X		X		X				
OK720900000220_00	Willow Creek	8.8	R	3	2016	X	X				X	X		X						

F = Fully Supporting I = Insufficient Information **N = Not Supporting** X = Not Assessed

Waterbody ID	Waterbody Name	Size (Lake Acres or Stream Miles)	Type	Category	Monitoring Date	Aesthetic	Agriculture	Cool Water Aquatic Comm	Habitat Limited Aquatic Comm	Trout Fishery	Warm Water Aquatic Comm	Fish Consumption	Navigation	Primary Body Contact Rec	Secondary Body Contact Rec	Public & Private Water Supply	Emergency Water Supply	High Quality Water	Outstanding Resource Water	Sensitive Water Supply
OK720900000230_00	Swede Creek	7.2	R	3	2016	X	X				X	X		X						
OK720900000240_00	**Carl Etling Lake**	**159.0**	**L**	**5a**	**TMDL**	I	I				**N**	X		I		X				
OK720900000250_00	Easley Canyon Creek	4.5	R	3	2016	X	X				X	X		X						
OK720900000260_00	Tesesquite Creek	11.1	R	3	2016	X	X				X	X		X		X				
OK720900000270_00	Burrows Canyon Creek	2.1	R	3	2016	X	X				X	X		X						
OK720900000280_00	Carrizo Creek, North	6.9	R	2	2011	I	F				I	X		I		I				
OK720900000290_00	Road Canyon Creek	4.4	R	3	2016	X	X				X	X		X						
OK720900000300_00	Coopers Arroyo Creek	3.6	R	3	2016	X	X				X	X		X						
OK720900000310_00	Blacksmith Canyon Creek	3.0	R	3	2016	X	X				X	X		X						
OK720900000320_00	Carrizozo Creek	1.0	R	3	2016	X	X				X	X		X		X				

F = Fully Supporting I = Insufficient Information **N = Not Supporting** X = Not Assessed

Appendix C

2008 Oklahoma 303(d) List of Impaired Waters

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK120400010070_00*	**Webbers Falls Lake**	**11,600.00 ACRES**	**5a**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 108, 136, 140***		
OK120400010130_00	**Greenleaf Lake**	**920.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chlorophyll-a*	***Public and Private Water Supply***	***140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK120400010260_00	**Arkansas River**	**11.17 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Cadmium	FWP - Warm Water Aquatic Community	34, 62, 85, 140		
Chloride*	***Agriculture***	***49, 102, 140***		
Enterococcus	Primary Body Contact Recreation	34, 108, 133, 136, 140		
Lead	FWP - Warm Water Aquatic Community	34, 62, 85, 140		
Lead	Fish Consumption	34, 62, 85, 140		
Total Dissolved Solids*	***Agriculture***	***49, 102, 140***		
OK120400010400_00	**Coody Creek**	**16.16 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 59, 92, 108, 111, 133, 136, 140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 59, 87, 92, 108, 111, 133, 136, 140		
OK120400020010_00	**Dirty Creek**	**44.18 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 108, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 108, 136, 140		
OK120400020030_00	**Dirty Creek, South Fork**	**15.55 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***4, 46, 59, 92, 108, 111, 133, 136, 140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 85, 87, 92, 108, 111, 133, 136, 140		
OK120400020110_00	**Dirty Creek, Georges Fork**	**10.05 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 108, 111, 133, 136, 140		
OK120400020160_00	**Butler Creek**	**10.34 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 59, 92, 108, 111, 133, 136, 140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 59, 87, 92, 108, 111, 133, 136, 140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK120400020190_00	**Elk Creek**	**13.96 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Primary Body Contact Recreation	46, 62, 85, 92, 108, 136, 140		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 85, 87, 97, 108, 140***		
Sulfates	Agriculture	49, 87, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 62, 85, 87, 92, 108, 111, 133, 136, 140		
OK120400020240_00	**Shady Grove Creek**	**10.80 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
pH	FWP - Warm Water Aquatic Community	140		
Sulfates	Agriculture	49, 140		
Total Dissolved Solids	Agriculture	49, 140		
OK120410010080_00	**Arkansas River**	**41.89 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Secondary Body Contact Recreation***	***46, 59, 85, 92, 111, 133, 136, 140***		
Oil and Grease*	***FWP - Warm Water Aquatic Community***	***49, 62, 102, 140***		
Total Dissolved Solids	Agriculture	49, 102, 140		
OK120410010080_10	**Arkansas River**	**4.83 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Secondary Body Contact Recreation	140		
OK120410010100_00	**Cloud Creek**	**5.70 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 85, 87, 92, 108, 111, 133, 136, 140		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 97, 102, 108, 140		
OK120410010190_00	**Bixhoma Lake**	**110.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
pH	FWP - Warm Water Aquatic Community	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK120410010210_00	**Haikey Creek**	**10.90 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Diazinon	FWP - Warm Water Aquatic Community	140		
Escherichia coli	Primary Body Contact Recreation	46, 84, 92, 108, 111, 128, 133, 136, 140		
OK120410010220_00	**Snake Creek**	**31.43 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 59, 92, 108, 111, 133, 136, 140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 59, 87, 92, 108, 111, 128, 133, 136, 140		
OK120410030065_00*	**Duck Creek, Middle, Trib!**	**3.20 MILES**	**5a**	**2013** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***97***		
Total Dissolved Solids*	***Agriculture***	***97***		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date	
OK120420010010_00	**Arkansas River**	**16.74 MILES**	**5a**	**2013**	
Cause of Impairment	Impaired Use	Potential Sources			
Fecal Coliform	Secondary Body Contact Recreation	46, 59, 85, 92, 111, 133, 136, 140			
Total Dissolved Solids*	***Agriculture***	***49, 102, 140***			
Lead	FWP - Warm Water Aquatic Community	140			
Enterococcus	Secondary Body Contact Recreation	46, 59, 85, 92, 111, 133, 136, 140			
Oil and Grease*	***FWP - Warm Water Aquatic Community***	***49, 62, 102, 140***			
OK120420010010_10	**Arkansas River**	**7.32 MILES**	**5a**	**2013**	
Cause of Impairment	Impaired Use	Potential Sources			
Cadmium	FWP - Warm Water Aquatic Community	140			
Fecal Coliform	Secondary Body Contact Recreation	140			
OK120420010060_00	**Fred Creek**	**2.87 MILES**	**5a**	**2013**	
Cause of Impairment	Impaired Use	Potential Sources			
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 111, 133, 136, 140			
OK120420010070_00	**Mosser Creek**	**3.79 MILES**	**5a**	**2013**	
Cause of Impairment	Impaired Use	Potential Sources			
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 111, 133, 136, 140			
OK120420010090_00	**Crow Creek**	**2.99 MILES**	**5a**	**2013**	
Cause of Impairment	Impaired Use	Potential Sources			
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 111, 133, 136, 140			
Fishes Bioassessments	FWP - Warm Water Aquatic Community	140			
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	84, 140			
OK120420010130_00*	**Arkansas River**	**12.46 MILES**	**5a**	**2013**	NEW
Cause of Impairment	Impaired Use	Potential Sources			
Oil and Grease*	***FWP - Warm Water Aquatic Community***	***49, 62, 102, 140***			
Total Dissolved Solids*	***Agriculture***	***49, 102, 140***			
OK120420010140_00*	**Blackboy Creek**	**4.48 MILES**	**5a**	**2013**	NEW
Cause of Impairment	Impaired Use	Potential Sources			
Escherichia coli*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***			
OK120420010170_00*	**Harlow Creek**	**5.69 MILES**	**5a**	**2013**	NEW
Cause of Impairment	Impaired Use	Potential Sources			
Escherichia coli*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***			
OK120420010250_00	**Shell Lake**	**573.00 ACRES**	**5a**	**2013**	
Cause of Impairment	Impaired Use	Potential Sources			
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140			
OK120420020040_00	**Nickel Creek**	**12.29 MILES**	**5a**	**2016**	
Cause of Impairment	Impaired Use	Potential Sources			
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 111, 128, 133, 136, 140			

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK120420020050_00*	**Polecat Creek**	**7.68 MILES**	**5a**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 85, 92, 108, 111, 128, 133, 136, 140***		
OK120420020130_00	**Sahoma Lake**	**312.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK120420020160_00	**Childres Creek**	**6.99 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	102		
Chloride	Agriculture	102		
OK120420020300_00	**Heyburn Lake**	**880.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Enterococcus	Primary Body Contact Recreation	140		
Color	Aesthetic	140		
OK121300010010_00	**Bird Creek**	**23.81 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates*	***Agriculture***	***49, 102, 140***		
Turbidity	FWP - Warm Water Aquatic Community	49, 111, 140		
Oil and Grease*	***Public and Private Water Supply***	***49, 62, 102, 140***		
Oil and Grease*	***FWP - Warm Water Aquatic Community***	***49, 62, 102, 140***		
Lead	FWP - Warm Water Aquatic Community	140		
Fecal Coliform	Primary Body Contact Recreation	46, 59, 85, 92, 111, 133, 136, 140		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 59, 85, 92, 111, 133, 136, 140***		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 111, 133, 136, 140		
Cadmium	FWP - Warm Water Aquatic Community	140		
Zinc	FWP - Warm Water Aquatic Community	140		
OK121300010060_00	**Ranch Creek**	**6.94 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 111, 133, 136, 140		
OK121300010090_00*	**Coal Creek**	**6.71 MILES**	**5a**	**2010** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK121300010150_00	**Delaware Creek**	**26.03 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 102, 108, 140***		
Chloride	Agriculture	49, 140		
Enterococcus	Primary Body Contact Recreation	46, 59, 92, 108, 111, 133, 136, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 59, 87, 92, 108, 111, 133, 136, 140		
Sulfates*	***Agriculture***	***49, 140***		
Total Dissolved Solids	Agriculture	49, 140		
OK121300020010_00	**Bird Creek**	**4.24 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	85, 92, 156, 140		
Enterococcus	Primary Body Contact Recreation	85, 92, 156, 140		
OK121300020010_10	**Bird Creek**	**35.63 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 85, 92, 108, 111, 133, 136, 140		
OK121300020080_00	**Candy Creek**	**16.95 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Primary Body Contact Recreation	140		
OK121300020190_00	**Waxhoma Lake**	**197.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK121300030010_00	**Bird Creek**	**25.11 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Primary Body Contact Recreation	140		
OK121300030040_00	**Birch Lake**	**1,137.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK121300030200_00	**Clear Creek**	**20.09 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Primary Body Contact Recreation	92, 156, 140		
OK121300030230_00	**Pawhuska Lake**	**96.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK121300030300_00	**Bluestem Lake**	**762.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK121300030320_00	**Bird Creek, North**	**19.55 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Primary Body Contact Recreation	140		
OK121300040010_00	**Hominy Creek**	**12.75 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140		
OK121300040080_00	**Skiatook Lake**	**10,190.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK121300040280_00	**Hominy Creek**	**33.89 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	49, 97, 102, 140		
Enterococcus	Primary Body Contact Recreation	46, 85, 92, 108, 111, 133, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	140		
Total Dissolved Solids	Agriculture	49, 97, 102, 140		
OK121300040330_00	**Hominy Municipal Lake**	**165.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK121300040350_00	**Hominy Lake**	**165.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK121400010010_00	**Caney River**	**17.66 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
Enterococcus	Primary Body Contact Recreation	140		
Lead	FWP - Warm Water Aquatic Community	140		
OK121400010010_10	**Caney River**	**46.50 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 111, 133, 136, 140		
Lead	FWP - Warm Water Aquatic Community	49, 85, 140		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 108, 140		
OK121400010090_00	**Rabb Creek**	**5.64 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Primary Body Contact Recreation	140		
OK121400010270_00	**Curl Creek**	**17.27 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 111, 133, 136, 140		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 87, 92, 108, 111, 133, 136, 140***		
Turbidity	FWP - Warm Water Aquatic Community	46, 49, 87, 108, 140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK121400010300_00	**Hogshooter Creek**	**20.02 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 111, 133, 136, 140		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 108, 140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 108, 111, 133, 136, 140		
Fishes Bioassessments*	***FWP - Warm Water Aquatic Community***	***140***		
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 111, 133, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	92, 156, 140		
OK121400020090_00	**Hudson Lake**	**250.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK121400020140_00	**Little Caney River (Caney Creek)**	**5.52 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	46, 49, 87, 108, 140		
OK121400020190_00	**Mission Creek**	**18.22 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 108, 140***		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 111, 133, 136, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 108, 111, 133, 136, 140		
OK121400030020_00	**Hulah Lake**	**3,570.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Color	Aesthetic	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK121400030170_00	**Buck Creek**	**22.22 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 111, 133, 136, 140		
OK121400040010_00	**Sand Creek**	**59.85 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 69, 92, 108, 111, 133, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 69, 92, 108, 111, 133, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	92, 140		
OK121400050020_00	**Copan Lake**	**4,850.00 ACRES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chlorophyll-a*	***Public and Private Water Supply***	***140***		
Turbidity	FWP - Warm Water Aquatic Community	140		

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK121500010200_00	**Verdigris River**	**6.11 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Lead	Fish Consumption	49, 85, 140		
Turbidity	FWP - Warm Water Aquatic Community	38, 140		
Lead	FWP - Warm Water Aquatic Community	49, 85, 140		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 111, 133, 136, 140		
Copper	FWP - Warm Water Aquatic Community	62, 85, 140		
OK121500020090_00	**Bull Creek**	**17.55 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 111, 133, 136, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 100, 108, 133, 136, 140		
Turbidity	FWP - Warm Water Aquatic Community	46, 49, 87, 108, 140		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 111, 133, 136, 140		
OK121500020100_00	**Pea Creek**	**10.23 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	85, 140		
Escherichia coli	Primary Body Contact Recreation	85, 140		
Fecal Coliform	Primary Body Contact Recreation	85, 140		
OK121500020150_00	**Adams Creek**	**18.02 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	46, 84, 92, 108, 111, 133, 136, 156, 140		
Diazinon	FWP - Warm Water Aquatic Community	140		
OK121500020260_00	**Verdigris River**	**23.17 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	38, 140		
Lead	Fish Consumption	49, 85, 140		
Lead	FWP - Warm Water Aquatic Community	49, 85, 140		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 111, 133, 136, 140		
OK121500020360_00	**Dog Creek**	**10.08 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Ammonia (Un-ionized)	FWP - Warm Water Aquatic Community	46, 85, 92, 128, 140		
Enterococcus	Primary Body Contact Recreation	46, 85, 92, 108, 111, 128, 133, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 85, 92, 108, 111, 128, 133, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	84, 85, 92, 156, 140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK121500020390_00	**Cat Creek**	**7.04 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Fishes Bioassessments	FWP - Warm Water Aquatic Community	140		
Sulfates	Agriculture	140		
Fecal Coliform	Primary Body Contact Recreation	84, 85, 140		
Escherichia coli	Primary Body Contact Recreation	84, 85, 140		
Enterococcus	Primary Body Contact Recreation	84, 85, 140		
OK121500030010_00	**Verdigris River**	**10.43 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 111, 133, 136, 140		
OK121500040010_00	**Dog Creek**	**16.87 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	84, 92, 156, 140		
OK121500040020_00	**Claremore Lake**	**470.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chlorophyll-a*	***Public and Private Water Supply***	***140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK121510010020_00	**Oologah Lake**	**29,460.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK121510010040_00	**Spencer Creek**	**4.31 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	140		
Total Dissolved Solids	Agriculture	140		
OK121510010110_00*	**Campbell Creek**	**3.79 MILES**	**5a**	**2010** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates*	***Agriculture***	***56***		
Total Dissolved Solids*	***Agriculture***	***56***		
OK121510010120_00	**Plumb Creek**	**5.52 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	140		
Total Dissolved Solids	Agriculture	140		
OK121510010130_00	**Lightning Creek**	**14.40 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	92, 156, 140		
Sulfates	Agriculture	82, 127, 140		
Total Dissolved Solids	Agriculture	82, 127		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK121510010140_00	**Panther Creek**	**6.97 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	82, 140		
Total Dissolved Solids	Agriculture	82, 140		
OK121510020010_00	**Verdigris River**	**37.43 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Lead	FWP - Warm Water Aquatic Community	49, 85, 140		
Lead	Fish Consumption	49, 85, 140		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 111, 133, 136, 140		
Turbidity	FWP - Warm Water Aquatic Community	38, 140		
OK121510020050_00	**California Creek**	**25.39 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 111, 133, 136, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 108, 111, 133, 136, 140		
Sulfates*	***Agriculture***	***49, 140***		
OK121510030010_00	**Big Creek**	**34.74 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 111, 133, 136, 140		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 87, 92, 108, 111, 133, 136, 140***		
Sulfates*	***Agriculture***	***49, 140***		
OK121600010010_00	**Neosho River**	**1.00 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 133, 136, 140		
OK121600010050_00	**Fort Gibson Lake**	**7,450.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 108, 133, 136, 140		
OK121600010060_00	**Ranger Creek**	**7.94 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	4, 46, 59, 92, 108, 111, 128, 133, 136, 140		
OK121600010200_00	**Fort Gibson Lake, Upper**	**7,450.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK121600010280_00*	**Neosho River**	**14.26 MILES**	**5a**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Lead*	***FWP - Warm Water Aquatic Community***	***62, 85, 140***		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 62, 85, 92, 108, 133, 136, 140***		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK121600010430_00	**Chouteau Creek**	**22.25 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 62, 85, 92, 108, 133, 136, 156, 140		
Escherichia coli	Primary Body Contact Recreation	46, 62, 85, 92, 108, 133, 136, 156, 140		
Fecal Coliform	Primary Body Contact Recreation	46, 62, 85, 92, 108, 133, 136, 156, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 108, 136, 140		
OK121600010440_00	**Crutchfield Branch**	**5.07 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 85, 92, 108, 133, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 85, 92, 108, 133, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	46, 85, 92, 108, 133, 136, 140		
OK121600020020_00	**Hudson Lake, Lower**	**5,450.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK121600020050_00	**Chimney Rock Lake (WR Holway)**	**712.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK121600020070_00	**Little Saline Creek**	**10.50 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	4, 46, 59, 92, 108, 136, 140		
OK121600020170_00*	**Neosho River**	**10.89 MILES**	**5a**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 62, 85, 108, 133, 136, 140***		
OK121600030020_00	**Grand Lake O' the Cherokees, Lower**	**15,500.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK121600030030_00	**Grand Lake O' the Cherokees, Middle**	**15,500.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK121600030040_00	**Grand Lake O' The Cherokees, Upper**	**15,500.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK121600030090_00	**Drowning Creek**	**8.62 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	4, 46, 59, 92, 108, 133, 136, 140		
Escherichia coli	Primary Body Contact Recreation	4, 46, 59, 92, 108, 133, 136, 140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK121600030160_00	**Horse Creek**	**10.06 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	85, 92, 156, 140		
Fecal Coliform	Primary Body Contact Recreation	46, 85, 92, 108, 133, 136, 156, 140		
Ammonia (Un-ionized)	FWP - Warm Water Aquatic Community	85, 92, 140		
Chloride	Agriculture	140		
Escherichia coli	Primary Body Contact Recreation	46, 85, 92, 108, 133, 136, 156, 140		
pH	FWP - Warm Water Aquatic Community	140		
OK121600030180_00	**Fly Creek**	**3.36 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Primary Body Contact Recreation	46, 92, 108, 133, 136, 140		
OK121600030190_00	**Little Horse Creek**	**6.46 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	4, 46, 59, 92, 108, 111, 133, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	4, 46, 59, 92, 108, 111, 133, 136, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 108, 111, 133, 136, 140		
OK121600030340_00	**Cave Springs Branch**	**4.48 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	146, 140		
Total Dissolved Solids	Agriculture	146, 140		
Fecal Coliform	Primary Body Contact Recreation	4, 46, 59, 92, 100, 108, 133, 136, 146, 140		
Escherichia coli	Primary Body Contact Recreation	4, 46, 59, 92, 100, 108, 133, 136, 146, 140		
Chloride	Agriculture	146, 140		
OK121600030445_00	**Honey Creek**	**4.85 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	4, 46, 59, 92, 108, 133, 136, 146, 140		
OK121600030510_00	**Sycamore Creek**	**7.36 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 146, 140		
OK121600030560_00	**Lost Creek**	**10.23 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	46, 85, 92, 133, 136, 146, 140		
OK121600040010_00	**Neosho River**	**16.57 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Lead*	***FWP - Warm Water Aquatic Community***	***49, 85, 140***		
Lead*	***Fish Consumption***	***49, 85, 140***		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 108, 140		
Zinc*	***FWP - Warm Water Aquatic Community***	***82, 140***		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK121600040040_00	**Hudson Creek**	**8.28 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	4, 46, 59, 92, 108, 133, 136, 156, 140		
Turbidity	FWP - Warm Water Aquatic Community	4, 46, 59, 92, 108, 133, 136, 156, 140		
OK121600040060_00	**Tar Creek**	**11.67 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Lead	FWP - Habitat Limited Aquatic Community	16, 140		
OK121600040130_00	**Cow Creek**	**12.42 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	46, 108, 133, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	46, 92, 108, 133, 136, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 92, 108, 133, 136, 140		
OK121600040170_00	**Fourmile Creek**	**7.10 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Primary Body Contact Recreation	46, 92, 108, 133, 136, 146, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 92, 133, 136, 146, 140		
OK121600040200_00	**Russell Creek**	**11.48 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Primary Body Contact Recreation	46, 92, 108, 133, 136, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 92, 108, 133, 136, 140		
Sulfates	Agriculture	140		
OK121600040220_00	**Neosho River**	**13.97 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	46, 108, 140		
Chromium (total)*	***FWP - Warm Water Aquatic Community***	***140***		
Lead	FWP - Warm Water Aquatic Community	49, 85, 140		
Lead	Fish Consumption	49, 85, 140		
OK121600050020_00	**Spavinaw Lake**	**1,584.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Phosphorus (Total)	Aesthetic	4, 59, 146, 140		
Chlorophyll-a*	***Public and Private Water Supply***	***4, 59, 146, 140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	4, 46, 92, 108, 133, 136, 140		
OK121600050070_00	**Eucha Lake (Upper Spavinaw)**	**2,860.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Chlorophyll-a*	***Public and Private Water Supply***	***4, 59, 146, 140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	4, 46, 59, 92, 108, 133, 136, 146, 140		
Phosphorus (Total)	Aesthetic	4, 59, 146, 140		
OK121600050160_00	**Beaty Creek**	**12.44 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	4, 46, 59, 92, 108, 133, 136, 140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK121600060010_00	**Big Cabin Creek**	**6.13 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK121600060060_10	**Big Cabin Creek**	**4.16 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	49, 102, 140		
Enterococcus	Primary Body Contact Recreation	46, 85, 92, 108, 133, 136, 140		
Total Coliform*	***Public and Private Water Supply***	***46, 92, 108, 133, 136, 140***		
Total Dissolved Solids*	***Agriculture***	***49, 102, 140***		
Escherichia coli	Primary Body Contact Recreation	46, 85, 92, 108, 133, 136, 140		
Oil and Grease*	***FWP - Warm Water Aquatic Community***	***49, 102, 140***		
Lead*	***Fish Consumption***	***49, 102, 140***		
OK121600060080_00	**Little Cabin Creek**	**32.31 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 85, 92, 108, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 85, 92, 108, 136, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 85, 87, 92, 108, 111, 133, 136, 140		
Sulfates	Agriculture	140		
Total Dissolved Solids	Agriculture	140		
OK121600060200_00	**Bull Creek**	**10.83 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	4, 59, 62, 68, 84, 85, 92, 140		
Sulfates	Agriculture	140		
Fecal Coliform	Primary Body Contact Recreation	4, 59, 62, 68, 84, 85, 92, 140		
Escherichia coli	Primary Body Contact Recreation	4, 59, 62, 68, 84, 85, 92, 140		
Chloride	Agriculture	140		
Total Dissolved Solids	Agriculture	140		
OK121600060220_00	**Big Cabin Creek**	**11.58 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	49, 97, 140		
Sulfates	Agriculture	49, 97, 140		
Total Dissolved Solids	Agriculture	49, 97, 140		
OK121600060240_00	**Pawpaw Creek**	**18.40 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	140		
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 133, 136, 156, 140		
Fecal Coliform	Primary Body Contact Recreation	46, 92, 108, 133, 136, 156, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 92, 108, 133, 136, 156, 140		
Sulfates	Agriculture	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK121600070010_00	**Spring River**	**22.11 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Zinc	FWP - Cool Water Aquatic Community	82, 140		
Turbidity	FWP - Cool Water Aquatic Community	46, 108, 140		
Enterococcus	Primary Body Contact Recreation	4, 46, 59, 108, 133, 136, 140		
Lead*	***Fish Consumption***	***49, 85, 140***		
Lead*	***FWP - Cool Water Aquatic Community***	***49, 85, 140***		
OK121610000050_10	**Pryor Creek**	**4.97 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 68, 85, 92, 108, 111, 128, 133, 136, 140		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 68, 92, 108, 111, 128, 133, 136, 140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 85, 87, 92, 108, 111, 128, 133, 136, 140		
Total Dissolved Solids*	***Agriculture***	***49, 102, 140***		
OK121610000090_00	**Pryor Creek**	**2.35 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	156, 140		
Escherichia coli	Primary Body Contact Recreation	84, 85, 92, 156, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	84, 85, 92, 156, 140		
OK121700020020_00	**Tenkiller Ferry Lake**	**8,440.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Phosphorus (Total)	Aesthetic	140		
Chlorophyll-a*	***Public and Private Water Supply***	***4, 59, 108, 136, 146, 140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK121700020110_00	**Chicken Creek**	**3.54 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Fishes Bioassessments	FWP - Warm Water Aquatic Community	140		
OK121700020220_00	**Tenkiller Ferry Lake, Illinois River Arm**	**5,030.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	4, 46, 59, 92, 108, 136, 146, 140		
OK121700030010_00	**Illinois River**	**7.68 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	4, 59, 85, 108, 136, 146, 140		
Phosphorus (Total)	Aesthetic	4, 46, 59, 85, 92, 100, 108, 146, 140		
OK121700030040_00	**Tahlequah Creek (Town Branch)**	**6.21 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 133, 136, 140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK121700030080_00	**Illinois River**	**31.68 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Phosphorus (Total)	Aesthetic	4, 46, 59, 108, 133, 136, 146, 140		
Lead*	***FWP - Cool Water Aquatic Community***	***140***		
Escherichia coli	Primary Body Contact Recreation	4, 46, 59, 92, 108, 133, 136, 146, 140		
Fecal Coliform	Primary Body Contact Recreation	4, 46, 59, 92, 108, 133, 136, 146, 140		
OK121700030280_00	**Illinois River**	**15.65 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Phosphorus (Total)	Aesthetic	4, 46, 59, 92, 108, 133, 136, 146, 140		
OK121700030290_00	**Flint Creek**	**1.60 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Cool Water Aquatic Community	4, 46, 59, 92, 108, 133, 136, 146, 140		
Phosphorus (Total)*	***Aesthetic***	***4, 46, 59, 92, 108, 133, 136, 146, 140***		
OK121700030350_00	**Illinois River**	**5.18 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	4, 46, 59, 92, 100, 108, 133, 136, 146, 140		
Phosphorus (Total)	Aesthetic	4, 34, 46, 59, 92, 100, 133, 136, 146, 140		
Turbidity	FWP - Cool Water Aquatic Community	46, 59, 85, 108, 146, 140		
OK121700030370_00*	**Ballard Creek**	**12.60 MILES**	**5a**	**2013** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***4, 46, 59, 92, 108, 111, 133, 136, 140***		
OK121700040010_00*	**Caney Creek**	**20.92 MILES**	**5a**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***4, 46, 59, 62, 85, 92, 108, 133, 136, 140***		
OK121700050010_00	**Illinois River, Baron Fork**	**23.30 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	4, 46, 59, 92, 108, 133, 136, 146, 140		
Phosphorus (Total)	Aesthetic	4, 46, 59, 92, 108, 133, 136, 146, 140		
OK121700050090_00	**Tyner Creek**	**14.89 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	4, 46, 59, 92, 108, 136, 140		
OK121700050120_00	**Peacheater Creek**	**10.28 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	4, 46, 59, 92, 100, 108, 128, 136, 140		
OK121700060010_00	**Flint Creek**	**7.75 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	4, 46, 59, 92, 100, 108, 111, 133, 136, 146, 140		
Phosphorus (Total)	Aesthetic	4, 59, 146, 140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK121700060040_00*	**Battle Creek (Battle Branch)**	**5.43 MILES**	**5a**	**2010** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***4, 46, 59, 92, 108, 111, 133, 136, 140***		
OK121700060080_00	**Sager Creek**	**4.15 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	4, 46, 59, 85, 92, 108, 133, 136, 146, 140		
Nitrates	Public and Private Water Supply	85, 146		
OK220100010010_00	**Poteau River**	**23.89 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Copper	FWP - Warm Water Aquatic Community	62, 85, 140		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 108, 140		
Lead	Fish Consumption	49, 85, 140		
Enterococcus	Primary Body Contact Recreation	4, 46, 59, 85, 108, 133, 136, 140		
Lead	FWP - Warm Water Aquatic Community	49, 85, 140		
OK220100010010_30	**Poteau River**	**2.24 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Silver	FWP - Warm Water Aquatic Community	140		
Cadmium	FWP - Warm Water Aquatic Community	140		
Copper	FWP - Warm Water Aquatic Community	140		
Lead	FWP - Warm Water Aquatic Community	140		
Lead	Fish Consumption	140		
Lead	Public and Private Water Supply	140		
Selenium	FWP - Warm Water Aquatic Community	140		
OK220100010010_40	**Poteau River**	**21.35 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
Copper	FWP - Warm Water Aquatic Community	140		
Lead	FWP - Warm Water Aquatic Community	140		
OK220100010050_00	**New Spiro Lake**	**254.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chlorophyll-a*	***Public and Private Water Supply***	***140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 92, 108, 133, 136, 140		
Turbidity	FWP - Warm Water Aquatic Community	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK220100020020_00	**Wister Lake**	**7,333.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
pH	FWP - Warm Water Aquatic Community	140		
Phosphorus (Total)	Aesthetic	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
Chlorophyll-a*	***Public and Private Water Supply***	***140***		
Color	Aesthetic	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 92, 108, 133, 136, 140		
OK220100020040_00	**Poteau River, Black Fork**	**28.60 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
pH	FWP - Warm Water Aquatic Community	140		
OK220100020060_00	**Cedar Lake**	**78.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 92, 108, 133, 136, 140		
pH	FWP - Warm Water Aquatic Community	140		
OK220100030010_00	**Brazil Creek**	**17.83 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	4, 46, 59, 92, 108, 136, 140		
OK220100040020_00	**Fourche Maline Creek**	**36.94 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 62, 69, 85, 87, 92, 108, 111, 133, 136, 140		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 133, 136, 140		
Lead	FWP - Warm Water Aquatic Community	49, 85, 140		
OK220100040050_00	**Red Oak Creek**	**10.95 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	140		
Sulfates	Agriculture	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 85, 92, 108, 133, 136, 140		
pH	FWP - Warm Water Aquatic Community	140		
OK220100040080_00	**Bandy Creek**	**12.44 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK220100040100_00	**Lloyd Church Lake (Wilburton City)**	**160.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 92, 108, 133, 136, 140		
pH	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK220100040150_00	**Wayne Wallace Lake**	**94.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
Turbidity	Aesthetic	140		
pH	FWP - Warm Water Aquatic Community	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 92, 108, 133, 136, 140		
OK220200010010_00	**Arkansas River**	**20.59 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids*	***Agriculture***	***49, 102, 140***		
OK220200020020_00	**Robert S. Kerr Lake**	**43,380.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK220200030010_10*	**Sallisaw Creek**	**9.00 MILES**	**5a**	**2013** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates*	***Agriculture***	***49, 140***		
OK220200030010_20*	**Sallisaw Creek**	**13.30 MILES**	**5a**	**2013** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***4, 46, 59, 92, 108, 111, 128, 133, 136, 140***		
OK220200030040_00	**Brushy Creek Lake**	**358.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 92, 108, 133, 136, 140		
pH	FWP - Warm Water Aquatic Community	140		
OK220200030120_00	**Stilwell City Lake**	**188.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 108, 133, 136, 140		
OK220200040010_00	**Sans Bois Creek**	**6.08 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	4, 46, 59, 85, 92, 108, 136, 156, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	4, 46, 59, 85, 92, 108, 136, 156, 140		
Enterococcus	Primary Body Contact Recreation	4, 46, 59, 85, 92, 108, 136, 156, 140		
pH	FWP - Warm Water Aquatic Community	140		
OK220200040010_10	**Sans Bois Creek**	**10.76 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***4, 46, 59, 85, 92, 108, 111, 133, 136, 140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	4, 46, 59, 85, 87, 92, 108, 111, 133, 136, 140		
Sulfates	Agriculture	140		
Total Dissolved Solids	Agriculture	49, 140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK220200040010_40	**Sans Bois Creek**	**27.80 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	4, 46, 59, 85, 92, 108, 133, 136, 140		
Escherichia coli	Primary Body Contact Recreation	4, 46, 59, 85, 92, 108, 133, 136, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	4, 46, 59, 85, 92, 108, 133, 136, 140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK220200040030_00	**John Wells Lake (Stigler)**	**194.00 ACRES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 92, 108, 133, 136, 140		
OK220200040050_00	**Sans Bois Creek, Mountain Fork**	**13.63 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
pH	FWP - Warm Water Aquatic Community	140		
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 133, 136, 156, 140		
OK220200050010_00	**Lee Creek**	**1.87 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 133, 136, 146, 140		
Lead*	***FWP - Cool Water Aquatic Community***	***49, 146, 140***		
OK220200050010_10	**Lee Creek**	**15.66 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Cool Water Aquatic Community	46, 92, 108, 133, 136, 146, 140		
Phosphorus (Total)	Aesthetic	146, 140		
OK220200050040_00	**Little Lee Creek**	**23.66 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 133, 136, 140		
Phosphorus (Total)	Aesthetic	140		
OK220600010020_00	**Eufaula Lake**	**17,583.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK220600010050_00	**Eufaula Lake, Canadian River Arm**	**17,583.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
Color	Aesthetic	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK220600010060_00	**Eufaula Lake, Longtown Creek Arm**	**17,583.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK220600010070_10	**Longtown Creek**	**12.14 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	92, 156, 140		
Fecal Coliform	Primary Body Contact Recreation	92, 156, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	92, 156, 140		
Enterococcus	Primary Body Contact Recreation	92, 156, 140		
OK220600010100_20	**Mill Creek**	**24.16 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 111, 133, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 108, 111, 133, 136, 140		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 97, 108, 140		
OK220600010119_10	**Canadian River**	**39.08 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	49, 102, 140		
Total Dissolved Solids*	***Agriculture***	***49, 140***		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 87, 108, 140		
Lead*	***Fish Consumption***	***49, 85, 140***		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 111, 133, 136, 140		
Lead*	***FWP - Warm Water Aquatic Community***	***49, 85, 140***		
Oil and Grease*	***FWP - Warm Water Aquatic Community***	***49, 102, 140***		
OK220600010130_00*	**Hay Creek**	**4.70 MILES**	**5c**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***140***		
Oil and Grease*	***Aesthetic***	***140***		
Oil and Grease*	***FWP - Warm Water Aquatic Community***	***140***		
OK220600010170_00	**Big Creek**	**11.00 MILES**	**5c**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	97		
Chloride	Agriculture	97		
OK220600020030_00	**McAlester Lake**	**1,521.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Color	Aesthetic	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK220600020050_00	**Talawanda 2 Lake**	**195.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK220600020060_00	**Talawanda 1 Lake**	**91.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
pH	FWP - Warm Water Aquatic Community	140		
OK220600030010_00	**Brushy Creek**	**2.96 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oil and Grease	FWP - Warm Water Aquatic Community	49, 102, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	85, 92, 108, 140		
Sulfates*	***Agriculture***	***49, 102, 140***		
Oil and Grease	Public and Private Water Supply	49, 102, 140		
Lead	Fish Consumption	49, 85, 140		
Turbidity	FWP - Warm Water Aquatic Community	46, 108, 140		
Lead	FWP - Warm Water Aquatic Community	49, 85, 140		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 111, 133, 136, 140		
Oil and Grease	Aesthetic	49, 102, 140		
OK220600030010_10	**Brushy Creek**	**25.03 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 108, 111, 133, 136, 140		
Enterococcus	Primary Body Contact Recreation	140		
Fecal Coliform	Primary Body Contact Recreation	92, 140		
Oil and Grease	Aesthetic	49, 102, 111, 140		
Oil and Grease	FWP - Warm Water Aquatic Community	49, 102, 111, 140		
Oil and Grease	Public and Private Water Supply	49, 102, 111, 140		
OK220600030020_00	**Blue Creek**	**10.68 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Primary Body Contact Recreation	85, 140		
Enterococcus	Primary Body Contact Recreation	85, 140		
Escherichia coli	Primary Body Contact Recreation	85, 140		
OK220600030050_00	**Peaceable Creek**	**17.14 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Fecal Coliform	Primary Body Contact Recreation	85, 92, 156, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 85, 87, 92, 108, 111, 133, 136, 140		
OK220600030080_00	**Bull Creek**	**3.29 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Copper	FWP - Warm Water Aquatic Community	62		
Lead	FWP - Warm Water Aquatic Community	62		
Zinc	FWP - Warm Water Aquatic Community	62		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK220600040010_00	**Gaines Creek**	**38.22 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oil and Grease	Aesthetic	97, 140		
pH	FWP - Warm Water Aquatic Community	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	92, 156, 140		
Fecal Coliform	Primary Body Contact Recreation	140		
Oil and Grease	FWP - Warm Water Aquatic Community	97, 140		
Oil and Grease	Public and Private Water Supply	97, 140		
OK220600040030_00	**Beaver Creek**	**9.11 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	92, 156, 140		
Fecal Coliform	Primary Body Contact Recreation	92, 156, 140		
Oil and Grease	Aesthetic	97, 140		
Oil and Grease	FWP - Warm Water Aquatic Community	97, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	92, 156, 140		
pH	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	156, 140		
OK220600040040_00	**Pit Creek**	**7.65 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	156, 140		
Total Dissolved Solids	Agriculture	140		
pH	FWP - Warm Water Aquatic Community	140		
Sulfates	Agriculture	2, 140		
OK220600050010_00	**Eufaula Lake, Gaines Creek Arm**	**17,583.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Color	Aesthetic	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK310800010011_00	**Texoma Lake, Washita River Arm, Lowe**	**17,600.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK310800010040_00	**Carter Lake**	**108.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK310800010050_00	**Texoma Lake, Washita River Arm, Uppe**	**17,600.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK310800010051_00	**Old Channel (of Washita)**	**4.62 MILES**	**5c**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK310800010090_00*	**Big Sandy Creek**	**13.57 MILES**	**5a**	**2013** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 87, 92, 108, 111, 133, 136, 140***		
OK310800010120_00	**Pennington Creek**	**33.76 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	85, 140		
OK310800020010_00	**Washita River**	**31.58 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Lead*	***Fish Consumption***	***49, 85, 140***		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 87, 108, 140		
OK310800020040_00	**Sand Branch**	**6.24 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	156, 140		
OK310800020100_00	**Arbuckle Lake (Lake of the Arbuckles)**	**2,350.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK310800030010_00	**Caddo Creek**	**44.08 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Ammonia (Un-ionized)	FWP - Warm Water Aquatic Community	46, 85, 92, 128, 140		
Chloride*	***Agriculture***	***140***		
Enterococcus*	***Primary Body Contact Recreation***	***46, 59, 85, 92, 108, 111, 133, 136, 140***		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 59, 62, 85, 108, 111, 133, 136, 140***		
pH*	***FWP - Warm Water Aquatic Community***	***8, 62, 85, 92, 97, 102, 140***		
OK310800030010_06	**Caddo Creek**	**16.82 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK310800030070_00	**Ardmore City Lake (City)**	**142.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK310800030120_00	**Site # 18 Lake (Rock Creek)**	**248.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
pH	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK310800030140_00	**Jean Neustadt Lake**	**462.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK310800030260_00	**Russell Pretty Branch**	**5.17 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK310800030265_00	**Briar Branch**	**3.88 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Sulfates*	***Agriculture***	***102***		
Total Dissolved Solids	Agriculture	102		
OK310800030280_00	**Pruitt Branch**	**4.97 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK310800030285_00*	**Pruitt West Creek!**	**3.94 MILES**	**5a**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***102***		
OK310800030290_00	**Russell Pretty Branch, Trib A!**	**1.00 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK310800030310_00	**Caddo Creek Graham Branch!**	**3.31 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	140		
Sulfates*	***Agriculture***	***102***		
Total Dissolved Solids	Agriculture	140		
OK310800030330_00	**Caddo Creek, Clemscott Branch!**	**3.04 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK310800030340_00*	**Briar Branch Trib.B!**	**1.16 MILES**	**5c**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids*	***Agriculture***	***102***		
Chloride*	***Agriculture***	***102***		
OK310800030350_00	**Briar Branch Trib.A!**	**1.42 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	140		
Total Dissolved Solids	Agriculture	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK310800030360_00*	**Caddo Creek, Fox Branch!**	**3.11 MILES**	**5c**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***102***		
Total Dissolved Solids*	***Agriculture***	***102***		
OK310800030370_00	**Caddo Creek Trib.!**	**3.34 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids*	***Agriculture***	***102***		
OK310800030380_00	**Caddo Creek, North Branch**	**3.80 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***102***		
OK310800030390_00*	**Caddo Creek North Branch Trib!**	**1.46 MILES**	**5c**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***102***		
Total Dissolved Solids*	***Agriculture***	***102***		
OK310800030410_00*	**Caddo Creek North Fork Trib!**	**1.08 MILES**	**5c**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***102***		
OK310810010010_00	**Washita River**	**21.08 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Primary Body Contact Recreation	140		
Total Dissolved Solids	Agriculture	140		
Enterococcus	Primary Body Contact Recreation	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK310810010010_10	**Washita River**	**32.87 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Lead*	***Fish Consumption***	***49, 85, 140***		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 87, 108, 140		
OK310810010020_00*	**Wildhorse Creek**	**8.97 MILES**	**5a**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***140***		
OK310810010050_00*	**Kickapoo Sandy Creek**	**10.19 MILES**	**5a**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 102, 108, 140***		
OK310810010090_10*	**Rush Creek**	**10.30 MILES**	**5a**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***49, 140***		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK310810010180_00	**Pauls Valley Lake**	**750.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Sulfates	Agriculture	140		
Color	Aesthetic	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK310810010186_00	**RC Longmire Lake**	**918.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK310810010190_00*	**Washington Creek**	**6.49 MILES**	**5a**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 108, 140***		
OK310810010220_00	**Maysville Lake (Wiley Post)**	**302.00 ACRES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Color	Aesthetic	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK310810010270_00*	**Rush Creek, Trib G!**	**4.03 MILES**	**5c**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***140***		
OK310810010280_00	**Washita River Trib 14-1N-1E!**	**1.71 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	97		
Total Dissolved Solids	Agriculture	97		
OK310810020010_00	**Washita River**	**63.16 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 108, 133, 136, 140		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 87, 108, 140		
Fecal Coliform	Primary Body Contact Recreation	46, 59, 85, 92, 108, 133, 136, 140		
OK310810020020_00	**Finn Creek**	**14.15 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 87, 92, 108, 111, 133, 136, 140***		
OK310810020260_00	**Stealy Creek!**	**5.15 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	70		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK310810030010_00	**Wildhorse Creek**	**22.30 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 128, 133, 136, 140***		
Fishes Bioassessments*	***FWP - Warm Water Aquatic Community***	***140***		
OK310810030080_00	**Salt Creek**	**19.05 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***140***		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
OK310810030130_00	**Countyline Creek**	**4.44 MILES**	**5c**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK310810030140_00	**N. Pernell Creek, North**	**3.34 MILES**	**5c**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
OK310810030145_00	**Pernell Creek!**	**2.96 MILES**	**5c**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK310810030160_00*	**Pernell Creek, Trib.B!**	**0.77 MILES**	**5c**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***102***		
OK310810030180_00	**Sandy Bear Creek, West Fork!**	**5.46 MILES**	**5c**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***140***		
OK310810030190_00*	**Flat Creek Trib.!**	**2.33 MILES**	**5c**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***102***		
OK310810030200_00*	**South Tatums!**	**1.57 MILES**	**5c**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***140***		
OK310810030210_00*	**Ratliff East Creek!**	**4.42 MILES**	**5c**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***140***		
OK310810030240_00*	**Ratliff West Creek! Trib.!**	**0.98 MILES**	**5c**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***140***		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK310810030250_00	**Countyline Creek Trib.3!**	**1.15 MILES**	**5c**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***140***		
OK310810030260_00	**Wildhorse Creek Trib.B!**	**3.30 MILES**	**5c**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***140***		
OK310810030270_00	**Wildhorse Creek Trib. A!**	**2.09 MILES**	**5c**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***140***		
OK310810040015_00	**West County Line Creek**	**3.28 MILES**	**5c**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
OK310810040020_00*	**Panther Creek**	**5.36 MILES**	**5c**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***140***		
OK310810040050_00	**Fuqua Lake**	**1,500.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK310810040080_00	**Duncan Lake**	**500.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK310810040140_00	**Wildhorse Creek**	**11.13 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 102, 108, 140		
OK310810040150_00	**Humphreys Lake**	**882.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chlorophyll-a*	***Public and Private Water Supply***	***140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK310810040180_00	**West County Line Creek Trib.!**	**2.53 MILES**	**5c**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***140***		
OK310810040200_00	**Black Bear Trib 10!**	**2.65 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
OK310810040230_00	**Northwest Alma Creek**	**1.87 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK310810040240_00	**Velma East Creek!**	**3.96 MILES**	**5b**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***102***		
Total Dissolved Solids	Agriculture	102		
OK310810040250_00	**Velma Creek!**	**2.42 MILES**	**5b**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Sulfates	Agriculture	140		
OK310810040260_00*	**Velma Creek West Branch!**	**1.25 MILES**	**5b**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***102***		
Sulfates*	***Agriculture***	***140***		
OK310810040270_00	**Passmore Cemetery Creek!**	**3.75 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	140		
OK310810040280_00	**Passmore Cemetery Creek Trib B!**	**2.03 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	140		
Chloride	Agriculture	102, 140		
OK310810040290_00	**Wildhorse Creek Trib 10-1S-5W!**	**4.15 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	102		
Chloride*	***Agriculture***	***140***		
OK310810050040_00	**Murray Creek**	**6.66 MILES**	**5b**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	140		
Total Dissolved Solids	Agriculture	140		
OK310810050060_00	**Taylor Lake (Marlow City)**	**227.00 ACRES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK310810050110_00	**Rush Creek, Trib D!**	**0.71 MILES**	**5c**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
OK310810050120_00*	**Rush Creek, Trib E!**	**3.40 MILES**	**5c**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***102***		
OK310810050130_00*	**Cox City!**	**3.21 MILES**	**5c**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***102***		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK310810050140_00*	**West Cox City!**	**1.50 MILES**	**5c**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***102***		
OK310820010160_00*	**Ionine Creek**	**6.45 MILES**	**5a**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates*	***Agriculture***	***49, 140***		
Fishes Bioassessments*	***FWP - Warm Water Aquatic Community***	***140***		
OK310820010170_00	**Jack Hollow Creek**	**4.87 MILES**	**5b**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	140		
OK310820020010_00	**Little Washita River**	**36.98 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Primary Body Contact Recreation	92, 156, 140		
Enterococcus	Primary Body Contact Recreation	92, 156, 140		
OK310820020070_00	**Louis Burtschi Lake**	**180.00 ACRES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	140		
OK310820020110_00	**McCarty Creek**	**8.49 MILES**	**5b**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
OK310820020140_00	**Allen's Lake**	**10.00 ACRES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
OK310830010010_00	**Washita River**	**20.68 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Fishes Bioassessments	FWP - Warm Water Aquatic Community	140		
Lead*	***Fish Consumption***	***49, 85, 140***		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 87, 108, 140		
OK310830010030_00	**Delaware Creek**	**11.68 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	49, 102, 140		
OK310830020020_00	**Stinking Creek**	**18.36 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 97, 108, 140		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 87, 92, 108, 111, 133, 136, 140***		
Chloride*	***Agriculture***	***49, 97, 140***		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 92, 108, 133, 136, 140***		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 133, 136, 140***		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK310830020060_10	**Rainy Mountain Creek**	**32.33 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	49, 97, 140		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 97, 108, 140***		
OK310830020110_00	**Vanderwork Lake**	**135.00 ACRES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK310830030010_00	**Washita River**	**49.32 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Fishes Bioassessments	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 87, 108, 140		
OK310830030010_10	**Washita River**	**33.45 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	140		
OK310830030100_00*	**Boggy Creek**	**24.89 MILES**	**5a**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 128, 133, 136, 140***		
Sulfates*	***Agriculture***	***49, 140***		
OK310830030190_00	**Beaver Creek**	**22.54 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	49, 140		
Sulfates	Agriculture	49, 140		
OK310830030210_00	**Barnitz Creek, East**	**26.48 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 100, 108, 111, 133, 136, 140***		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 92, 100, 108, 111, 133, 136, 140***		
Sulfates	Agriculture	49, 140		
Total Dissolved Solids	Agriculture	49, 140		
OK310830030230_00	**Barnitz Creek, West**	**38.35 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Sedimentation/Siltation	Aesthetic	21, 87, 140		
Sulfates	Agriculture	49, 140		
Total Dissolved Solids	Agriculture	49, 140		
Escherichia coli*	***Primary Body Contact Recreation***	***140***		
Enterococcus	Primary Body Contact Recreation	140		
Fishes Bioassessments	FWP - Warm Water Aquatic Community	140		
OK310830030280_00	**Clinton Lake**	**335.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chlorophyll-a*	***Public and Private Water Supply***	***140***		
Turbidity	FWP - Warm Water Aquatic Community	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK310830040010_00	**Spring Creek**	**16.76 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Sulfates	Agriculture	49, 140		
Total Dissolved Solids	Agriculture	49, 140		
OK310830040030_00	**Stinking Creek**	**11.33 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	49, 140		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 92, 108, 111, 133, 136, 140***		
Sulfates	Agriculture	49, 140		
OK310830050010_00	**Sugar Creek**	**32.40 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates*	***Agriculture***	***49, 140***		
Total Dissolved Solids	Agriculture	49, 140		
OK310830060020_00	**Fort Cobb Lake**	**4,100.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK310830060050_00*	**Cobb Creek**	**17.34 MILES**	**5a**	**2010** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Ammonia (Un-ionized)*	***FWP - Warm Water Aquatic Community***	***46, 92, 100, 140***		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
OK310830060080_00*	**Fivemile Creek**	**12.22 MILES**	**5a**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
OK310830060130_00	**Crowder Lake**	**158.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
Chlorophyll-a*	***Public and Private Water Supply***	***140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK310840010010_00*	**Washita River**	**18.62 MILES**	**5a**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 85, 87, 108, 140***		
Lead*	***Fish Consumption***	***49, 85, 140***		
Fishes Bioassessments*	***FWP - Warm Water Aquatic Community***	***140***		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK310840010060_00	**Quartermaster Creek**	**32.98 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	49, 140		
Total Dissolved Solids*	***Agriculture***	***49, 140***		
OK310840020010_00	**Washita River**	**61.94 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	156, 140		
OK310840020020_00	**Sandstone Creek**	**14.59 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 69, 92, 108, 111, 133, 136***		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 69, 92, 108, 111, 133, 136***		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 102, 108, 140***		
OK311100010020_00	**Texoma Lake**	**17,600.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK311100010030_00	**Texoma Lake, Red River Arm, Lower**	**17,600.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK311100010080_00	**Texoma Lake, Red River Arm, Upper**	**17,600.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK311100010190_00	**Red River**	**47.84 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	140		
Enterococcus	Primary Body Contact Recreation	140		
Lead	Fish Consumption	140		
Sulfates	Agriculture	140		
Total Dissolved Solids	Agriculture	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK311100010190_20	**Red River**	**46.43 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	140		
Total Dissolved Solids*	***Agriculture***	***140***		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140		
Chloride	Agriculture	49, 140		
Turbidity	FWP - Warm Water Aquatic Community	46, 87, 108, 140		
Lead*	***Fish Consumption***	***49, 85, 140***		
OK311100010230_00	**Bills Creek**	**8.43 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	85, 140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK311100010290_00*	**Red Creek**	**17.42 MILES**	**5a**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 87, 92, 108, 111, 133, 136, 140***		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 102, 140***		
OK311100010300_00*	**Fleetwood Creek**	**10.91 MILES**	**5a**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 108, 140***		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 87, 92, 108, 111, 133, 136, 140***		
OK311100020010_10	**Hickory Creek**	**37.28 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 59, 92, 108, 111, 128, 133, 136, 140		
OK311100020090_00	**Lake Murray**	**5,458.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK311100030010_00	**Walnut Bayou**	**24.57 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 111, 128, 133, 136, 140		
OK311100030130_00	**Healdton Municipal Lake**	**370.00 ACRES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Color	Aesthetic	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK311100040010_00	**Mud Creek**	**49.53 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Lead*	***FWP - Warm Water Aquatic Community***	***49, 85, 140***		
Lead*	***Fish Consumption***	***49, 85, 140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 108, 140		
Turbidity	FWP - Warm Water Aquatic Community	46, 87, 108, 140		
OK311100040045_00*	**Oak Creek!**	**3.04 MILES**	**5a**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids*	***Agriculture***	***97***		
OK311100040060_00	**Fox Branch**	**5.31 MILES**	**5c**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Sulfates	Agriculture	140		
OK311100040080_00	**Mud Creek, Lower West**	**27.81 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	156, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	92, 156, 140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK311100040170_00	**Comanche Lake**	**184.00 ACRES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK311200000010_00	**Red River**	**30.02 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	46, 87, 108, 140		
Chloride	Agriculture	49, 140		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140		
Selenium	FWP - Warm Water Aquatic Community	140		
Selenium	Public and Private Water Supply	140		
Sulfates	Agriculture	49, 140		
Total Dissolved Solids	Agriculture	49, 140		
OK311200000030_00	**Beaver Creek**	**26.44 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 102, 108, 140***		
Total Dissolved Solids	Agriculture	49, 102, 140		
Chloride*	***Agriculture***	***49, 102, 140***		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 100, 108, 111, 128, 133, 136, 140***		
OK311200000060_00	**Cow Creek**	**25.73 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***97, 140***		
Total Dissolved Solids	Agriculture	49, 97, 140		
Turbidity	FWP - Warm Water Aquatic Community	46, 87, 108, 140		
OK311200000080_00	**Dry Creek**	**20.96 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Primary Body Contact Recreation	92, 140		
Escherichia coli	Primary Body Contact Recreation	92, 140		
Turbidity	FWP - Warm Water Aquatic Community	140		
Enterococcus	Primary Body Contact Recreation	92, 140		
Ammonia (Un-ionized)	FWP - Warm Water Aquatic Community	140		
Chloride	Agriculture	97, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	92, 140		
OK311200000110_00	**Claridy Creek**	**8.43 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oil and Grease	Aesthetic	70		
Oil and Grease	FWP - Warm Water Aquatic Community	70		
OK311200000120_00	**Willow Creek**	**7.32 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oil and Grease	Aesthetic	70		
Oil and Grease	FWP - Warm Water Aquatic Community	70		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK311210000020_00	**Waurika Lake**	**10,100.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Chlorophyll-a*	***Public and Private Water Supply***	***140***		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK311210000030_00	**Walker Creek**	**10.02 MILES**	**5c**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
OK311210000050_00	**Little Beaver Creek**	**39.49 MILES**	**5b**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 59, 92, 108, 111, 128, 133, 136, 140***		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 59, 92, 108, 111, 128, 133, 136, 140***		
OK311210000150_00	**Cottonwood Creek**	**7.21 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	140		
OK311300010020_00	**Cache Creek, East**	**9.05 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Lead*	***Fish Consumption***	***49, 85, 140***		
Total Dissolved Solids*	***Agriculture***	***49, 102, 140***		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 108, 140		
OK311300010020_10	**Cache Creek, East**	**17.11 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Lead*	***Fish Consumption***	***140***		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK311300010080_00	**Walters Lake (Boyer)**	**148.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Color	Aesthetic	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK311300020010_10*	**Cache Creek, East**	**17.08 MILES**	**5a**	**2010** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates*	***Agriculture***	***49, 97, 140***		
Total Dissolved Solids*	***Agriculture***	***49, 97, 140***		
pH*	***FWP - Warm Water Aquatic Community***	***8, 62, 92, 102, 140***		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 62, 87, 92, 108, 111, 128, 133, 136, 140***		
OK311300020034_00	**Ninemile Creek, Middle Branch!**	**3.33 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	140		
OK311300030020_00	**Ellsworth Lake**	**5,600.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK311300030070_00	**Tahoe Creek**	**16.79 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oil and Grease	Aesthetic	140		
Oil and Grease	FWP - Warm Water Aquatic Community	140		
Oil and Grease	Public and Private Water Supply	140		
Sulfates	Agriculture	140		
OK311300040050_00	**Elmer Thomas Lake**	**334.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK311300040070_00*	**Lawtonka Lake**	**2,398.00 ACRES**	**5a**	**2010** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Chlorophyll-a*	***Public and Private Water Supply***	***140***		
OK311310010010_00	**Red River**	**88.02 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Selenium	FWP - Warm Water Aquatic Community	140		
Sulfates	Agriculture	49, 140		
Total Dissolved Solids	Agriculture	49, 140		
Turbidity	FWP - Warm Water Aquatic Community	46, 87, 108, 140		
Chloride	Agriculture	49, 140		
OK311310010025_00	**Hound Creek**	**7.56 MILES**	**5c**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK311310010070_00	**Suttle Creek**	**19.41 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	49, 102, 140		
Sulfates	Agriculture	49, 102, 140		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 85, 87, 92, 100, 108, 111, 133, 136, 140***		
Chloride	Agriculture	49, 102, 140		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 108, 140		
pH*	***FWP - Warm Water Aquatic Community***	***8, 85, 92, 102, 140***		
OK311310020010_00	**Cache Creek, West**	**9.10 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	49, 102, 140		
Total Dissolved Solids	Agriculture	49, 102, 140		
Turbidity	FWP - Warm Water Aquatic Community	46, 87, 108, 140		
OK311310020010_10*	**Cache Creek, West**	**19.17 MILES**	**5a**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
pH*	***FWP - Warm Water Aquatic Community***	***8, 62, 92, 102, 140***		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK311310020060_00	**Blue Beaver Creek**	**12.66 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	92, 156, 140		
OK311310030010_00	**Deep Red Creek**	**57.29 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 87, 108, 140***		
Total Dissolved Solids	Agriculture	49, 102, 140		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 87, 108, 140***		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Chloride	Agriculture	49, 102, 140		
Sulfates	Agriculture	49, 102, 140		
OK311310030040_00	**Little Deep Red Creek**	**33.57 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***46, 102, 140***		
Fishes Bioassessments	FWP - Warm Water Aquatic Community	140		
Sedimentation/Siltation	Aesthetic	21, 87, 140		
Sulfates*	***Agriculture***	***46, 102, 140***		
Total Dissolved Solids*	***Agriculture***	***46, 102, 140***		
Turbidity*	***FWP - Warm Water Aquatic Community***	***140***		
OK311310030050_00	**Brush Creek**	**11.64 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oil and Grease	FWP - Warm Water Aquatic Community	140		
Total Dissolved Solids	Agriculture	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
Chloride	Agriculture	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	84, 92, 140		
Oil and Grease	Aesthetic	140		
Sulfates	Agriculture	140		
OK311310030120_00	**Frederick Lake**	**925.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Color	Aesthetic	140		
Total Dissolved Solids	Agriculture	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK311500010020_10	**Red River, North Fork**	**61.70 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	140		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 87, 108, 140***		
Enterococcus	Primary Body Contact Recreation	46, 85, 108, 136, 140		
Chloride	Agriculture	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK311500010050_00	**Stinking Creek**	**17.44 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	84, 92, 100, 156, 140		
Escherichia coli	Primary Body Contact Recreation	84, 92, 100, 156, 140		
Fecal Coliform	Primary Body Contact Recreation	84, 92, 100, 156, 140		
Nitrates	Public and Private Water Supply	84, 92, 100, 140		
Sulfates	Agriculture	140		
Turbidity	FWP - Warm Water Aquatic Community	156, 140		
Chloride	Agriculture	140		
OK311500010080_00	**Otter Creek**	**23.13 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***140***		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 87, 108, 140***		
Enterococcus*	***Primary Body Contact Recreation***	***46, 59, 92, 108, 111, 128, 133, 136, 140***		
Chloride	Agriculture	49, 102, 140		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 59, 92, 108, 111, 128, 133, 136, 140***		
OK311500010110_00	**Tepee Creek**	**19.44 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	85, 92, 156, 140		
Escherichia coli	Primary Body Contact Recreation	85, 92, 156, 140		
Fecal Coliform	Primary Body Contact Recreation	85, 92, 156, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 59, 87, 92, 108, 111, 128, 133, 136, 140		
Sedimentation/Siltation	Aesthetic	21, 87, 140		
Sulfates*	***Agriculture***	***49, 140***		
Total Dissolved Solids	Agriculture	49, 140		
Chloride	Agriculture	49, 140		
OK311500020040_00	**Otter Creek, West**	**6.61 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	85, 92, 156, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	85, 92, 156, 140		
Escherichia coli	Primary Body Contact Recreation	85, 92, 156, 140		
Fecal Coliform	Primary Body Contact Recreation	85, 92, 156, 140		
OK311500020060_00	**Tom Steed Lake (Mountain Park)**	**6,400.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Chlorophyll-a*	***Public and Private Water Supply***	***140***		
Turbidity	FWP - Warm Water Aquatic Community	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK311500030010_00	**Elk Creek**	**15.70 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 85, 108, 136, 140		
Escherichia coli*	***Primary Body Contact Recreation***	***140***		
Fecal Coliform	Primary Body Contact Recreation	46, 85, 108, 136, 140		
Fishes Bioassessments*	***FWP - Warm Water Aquatic Community***	***140***		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 87, 108, 140		
OK311500030040_00	**Little Elk Creek**	**14.93 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Primary Body Contact Recreation	140		
Enterococcus	Primary Body Contact Recreation	85, 92, 156, 140		
OK311500030060_00	**Rocky (Hobart) Lake**	**347.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
Color	Aesthetic	140		
Chlorophyll-a*	***Public and Private Water Supply***	***140***		
OK311500030120_00	**Elk City Lake**	**240.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK311510010010_10	**Red River, North Fork**	**47.29 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 85, 108, 136, 140		
Nitrates*	***Public and Private Water Supply***	***140***		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 87, 108, 140***		
OK311510010040_00*	**Lake Creek**	**13.33 MILES**	**5a**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
OK311510010090_00*	**Timber Creek**	**12.01 MILES**	**5a**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
OK311510020060_00	**Turkey Creek**	**19.42 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	92, 156, 140		
Fecal Coliform	Primary Body Contact Recreation	92, 156, 140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK311510020090_00	**Buffalo Creek**	**20.32 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Fishes Bioassessments	FWP - Warm Water Aquatic Community	140		
Sedimentation/Siltation	Aesthetic	21, 87, 140		
Total Dissolved Solids	Agriculture	49, 102, 140		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
OK311510020120_00	**Sweetwater Creek**	**16.43 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 110, 133, 136, 140***		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 92, 108, 110, 133, 136, 140***		
Total Dissolved Solids	Agriculture	49, 102, 140		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 102, 108, 140***		
OK311600010020_00	**Gypsum Creek**	**28.10 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	49, 102, 140		
Total Dissolved Solids	Agriculture	49, 102, 140		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 102, 108, 140***		
Chloride	Agriculture	49, 102, 140		
Fishes Bioassessments*	***FWP - Warm Water Aquatic Community***	***140***		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
OK311600010040_00	**Sandy Creek (Lebos)**	**39.65 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Habitat Limited Aquatic Community	46, 87, 108, 140		
Chloride	Agriculture	49, 102, 140		
Enterococcus	Secondary Body Contact Recreation	46, 92, 108, 136, 140		
Selenium	FWP - Habitat Limited Aquatic Community	140		
Sulfates	Agriculture	49, 102, 140		
Total Dissolved Solids	Agriculture	49, 102, 140		
OK311600020010_00	**Red River, Salt Fork**	**13.67 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Selenium	Public and Private Water Supply	140		
Selenium	FWP - Warm Water Aquatic Community	140		
Enterococcus	Primary Body Contact Recreation	46, 85, 92, 108, 136, 156, 140		
Fecal Coliform	Primary Body Contact Recreation	46, 85, 108, 136, 140		
OK311600020010_10	**Red River, Salt Fork**	**69.63 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	140		
Selenium	Public and Private Water Supply	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK311600020060_00	**Turkey Creek**	**51.64 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	49, 102, 140		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 92, 108, 111, 133, 136, 140***		
Total Dissolved Solids	Agriculture	49, 102, 140		
Sulfates	Agriculture	49, 102, 140		
Fishes Bioassessments	FWP - Warm Water Aquatic Community	140		
Enterococcus*	***Primary Body Contact Recreation***	***46, 69, 92, 100, 108, 111, 133, 136, 140***		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 69, 92, 100, 108, 111, 133, 136, 140***		
OK311600020110_05	**Bitter Creek**	**7.80 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	49, 97, 140		
Enterococcus	Secondary Body Contact Recreation	68, 85, 92, 156, 140		
Fishes Bioassessments	FWP - Habitat Limited Aquatic Community	140		
OK311600020110_10*	**Bitter Creek**	**18.57 MILES**	**5a**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
DDT*	***Fish Consumption***	***140***		
Toxaphene*	***Fish Consumption***	***140***		
OK311600020140_00	**Cave Creek**	**13.69 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	92, 156, 140		
Enterococcus	Primary Body Contact Recreation	92, 156, 140		
OK311800000010_00	**Red River, Elm Fork**	**62.80 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Primary Body Contact Recreation	46, 85, 108, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 85, 108, 136, 140		
Chloride*	***Agriculture***	***140***		
Enterococcus	Primary Body Contact Recreation	46, 85, 108, 136, 140		
OK311800000040_00	**Haystack Creek**	**43.06 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Sulfates*	***Agriculture***	***46, 140***		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 108, 140		
OK311800000060_00	**Station Creek**	**10.58 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK311800000070_00	**Deer Creek**	**22.21 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	156, 140		
Escherichia coli	Primary Body Contact Recreation	92, 156, 140		
Enterococcus	Primary Body Contact Recreation	92, 156, 140		
Sulfates	Agriculture	140		
Fecal Coliform	Primary Body Contact Recreation	92, 156, 140		
OK311800000130_00	**Fish Creek**	**16.84 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	49, 140		
Enterococcus	Primary Body Contact Recreation	46, 108, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	140		
Sulfates	Agriculture	49, 140		
Total Dissolved Solids*	***Agriculture***	***49, 140***		
OK410100010010_10	**Red River**	**22.99 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	46, 87, 108, 140		
Lead*	***Fish Consumption***	***49, 85, 140***		
Oil and Grease*	***FWP - Warm Water Aquatic Community***	***49, 102, 140***		
OK410100010050_00*	**Norwood Creek**	**20.15 MILES**	**5a**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***4, 46, 59, 87, 92, 108, 111, 133, 136, 140***		
pH*	***FWP - Warm Water Aquatic Community***	***8, 92, 97, 102, 140***		
OK410100010340_00*	**Waterhole Creek**	**16.61 MILES**	**5a**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***4, 46, 59, 87, 92, 100, 108, 111, 133, 136, 140***		
pH*	***FWP - Warm Water Aquatic Community***	***8, 92, 97, 102, 140***		
OK410200010200_00	**Little River**	**8.20 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Cool Water Aquatic Community	46, 82, 87, 92, 108, 140		
Turbidity	FWP - Cool Water Aquatic Community	108, 119, 140		
OK410200010200_10	**Little River**	**24.14 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Cool Water Aquatic Community	140		
OK410200010210_00	**Mud Creek**	**17.66 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Lead	FWP - Warm Water Aquatic Community	140		
Zinc	FWP - Warm Water Aquatic Community	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date	
OK410200030010_00*	**Rock Creek**	**12.35 MILES**	**5a**	**2019**	NEW
Cause of Impairment	Impaired Use	Potential Sources			
pH*	***FWP - Cool Water Aquatic Community***	***8, 140***			
Turbidity*	***FWP - Cool Water Aquatic Community***	***46, 49, 87, 108, 140***			
Oxygen, Dissolved*	***FWP - Cool Water Aquatic Community***	***46, 87, 92, 100, 108, 111, 133, 136, 140***			
OK410210010070_00*	**Cypress Creek**	**20.73 MILES**	**5a**	**2013**	NEW
Cause of Impairment	Impaired Use	Potential Sources			
pH*	***FWP - Cool Water Aquatic Community***	***8, 92, 140***			
Turbidity*	***FWP - Cool Water Aquatic Community***	***46, 49, 87, 108, 140***			
Oxygen, Dissolved*	***FWP - Cool Water Aquatic Community***	***46, 87, 92, 108, 111, 133, 136, 140***			
OK410210020020_00	**Pine Creek Lake**	**3,750.00 ACRES**	**5a**	**2010**	
Cause of Impairment	Impaired Use	Potential Sources			
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140			
pH	FWP - Warm Water Aquatic Community	140			
OK410210020140_00	**Little River**	**24.68 MILES**	**5a**	**2010**	
Cause of Impairment	Impaired Use	Potential Sources			
Lead	FWP - Cool Water Aquatic Community	49, 82, 85, 140			
Turbidity	FWP - Cool Water Aquatic Community	108, 119, 140			
OK410210020150_00*	**Terrapin Creek**	**13.47 MILES**	**5a**	**2010**	NEW
Cause of Impairment	Impaired Use	Potential Sources			
pH*	***FWP - Cool Water Aquatic Community***	***8, 92, 140***			
OK410210020300_00*	**Cloudy Creek**	**25.63 MILES**	**5a**	**2010**	NEW
Cause of Impairment	Impaired Use	Potential Sources			
Oxygen, Dissolved*	***FWP - Cool Water Aquatic Community***	***46, 87, 92, 108, 111, 133, 136, 140***			
pH*	***FWP - Cool Water Aquatic Community***	***8, 92, 140***			
Turbidity*	***FWP - Cool Water Aquatic Community***	***46, 49, 87, 108, 140***			
OK410210030020_00*	**Little River, Black Fork**	**31.00 MILES**	**5a**	**2013**	NEW
Cause of Impairment	Impaired Use	Potential Sources			
Oxygen, Dissolved*	***FWP - Cool Water Aquatic Community***	***46, 87, 92, 108, 111, 133, 136, 140***			
pH*	***FWP - Cool Water Aquatic Community***	***8, 92, 140***			
OK410210040010_10	**Little River, Mountain Fork**	**1.14 MILES**	**5a**	**2013**	
Cause of Impairment	Impaired Use	Potential Sources			
Cadmium	Fish and Wildlife Propagation-Trout Fishery (P	82, 140			
Lead	Fish and Wildlife Propagation-Trout Fishery (P	49, 82, 140			
OK410210050020_00	**Broken Bow Lake**	**14,200.00 ACRES**	**5a**	**2010**	
Cause of Impairment	Impaired Use	Potential Sources			
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140			
pH	FWP - Warm Water Aquatic Community	140			

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK410210060010_10	**Little River, Mountain Fork**	**28.08 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Cool Water Aquatic Community	108, 119, 146, 140		
Phosphorus (Total)	Aesthetic	4, 46, 59, 85, 92, 100, 108, 146, 140		
Enterococcus*	***Primary Body Contact Recreation***	***4, 46, 59, 92, 108, 136, 146, 140***		
Copper	FWP - Cool Water Aquatic Community	82, 146, 140		
Lead	FWP - Cool Water Aquatic Community	49, 82, 146, 140		
OK410210060020_00*	**Buffalo Creek**	**23.38 MILES**	**5a**	**2010** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved*	***FWP - Cool Water Aquatic Community***	***46, 87, 92, 108, 111, 133, 136, 140***		
pH*	***FWP - Cool Water Aquatic Community***	***8, 92, 140***		
Turbidity*	***FWP - Cool Water Aquatic Community***	***46, 49, 87, 108, 140***		
OK410210060160_00*	**Big Eagle Creek**	**20.50 MILES**	**5a**	**2010** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved*	***FWP - Cool Water Aquatic Community***	***4, 46, 59, 87, 92, 108, 111, 133, 136, 140***		
pH*	***FWP - Cool Water Aquatic Community***	***8, 92, 140***		
OK410210060320_00*	**Beech Creek**	**12.71 MILES**	**5a**	**2010** NEW
Cause of Impairment	Impaired Use	Potential Sources		
pH*	***FWP - Cool Water Aquatic Community***	***8, 92, 140***		
Turbidity*	***FWP - Cool Water Aquatic Community***	***46, 49, 87, 108, 140***		
OK410210060350_00*	**Cow Creek**	**11.03 MILES**	**5a**	**2010** NEW
Cause of Impairment	Impaired Use	Potential Sources		
pH*	***FWP - Cool Water Aquatic Community***	***8, 92, 140***		
Turbidity*	***FWP - Cool Water Aquatic Community***	***46, 49, 87, 108, 140***		
Oxygen, Dissolved*	***FWP - Cool Water Aquatic Community***	***46, 87, 92, 108, 111, 133, 136, 140***		
OK410210070010_00*	**Lukfata Creek**	**17.80 MILES**	**5a**	**2010** NEW
Cause of Impairment	Impaired Use	Potential Sources		
pH*	***FWP - Cool Water Aquatic Community***	***8, 92, 140***		
Oxygen, Dissolved*	***FWP - Cool Water Aquatic Community***	***4, 46, 87, 92, 100, 108, 111, 133, 136, 140***		
OK410210080010_00	**Glover River**	**33.95 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Lead	FWP - Cool Water Aquatic Community	49, 82, 140		
Oxygen, Dissolved	FWP - Cool Water Aquatic Community	4, 46, 59, 92, 108, 136, 140		
Turbidity	FWP - Cool Water Aquatic Community	108, 119, 140		
OK410300010010_00	**Kiamichi River**	**18.11 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Lead*	***FWP - Warm Water Aquatic Community***	***49, 82, 140***		
Lead*	***Fish Consumption***	***49, 82, 140***		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK410300010020_00*	**Gates Creek**	**4.85 MILES**	**5a**	**2013** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity*	***FWP - Cool Water Aquatic Community***	***46, 49, 87, 108, 140***		
Oxygen, Dissolved*	***FWP - Cool Water Aquatic Community***	***46, 87, 92, 108, 111, 133, 136, 140***		
OK410300010040_00	**Raymond Gary Lake**	**263.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
pH	FWP - Warm Water Aquatic Community	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK410300010100_00*	**Bird Creek**	**8.05 MILES**	**5a**	**2013** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 108, 140***		
OK410300020020_00	**Hugo Lake**	**13,250.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Color	Aesthetic	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK410300020190_00*	**Rock Creek**	**13.96 MILES**	**5a**	**2013** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Oxygen, Dissolved*	***FWP - Cool Water Aquatic Community***	***33, 87, 92, 108, 111, 133, 136, 140***		
OK410300020220_00	**Ozzie Cobb Lake**	**116.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
pH	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Color*	***Aesthetic***	***140***		
OK410300030010_10	**Kiamichi River**	**10.30 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Lead	FWP - Warm Water Aquatic Community	49, 82, 140		
Copper	FWP - Warm Water Aquatic Community	82, 140		
OK410300030020_10*	**Cedar Creek**	**23.36 MILES**	**5a**	**2010** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved*	***FWP - Cool Water Aquatic Community***	***46, 87, 92, 108, 111, 133, 136, 140***		
OK410300030060_00*	**One Creek**	**19.68 MILES**	**5a**	**2010** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 87, 92, 108, 111, 133, 136, 140***		
OK410300030210_00	**Dumpling Creek**	**13.73 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
pH	FWP - Warm Water Aquatic Community	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK410300030270_00	**Tenmile Creek**	**35.75 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	92, 156, 140		
pH	FWP - Warm Water Aquatic Community	140		
OK410300030420_00*	**Buck Creek**	**35.60 MILES**	**5a**	**2013** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
OK410300030580_00	**Pine Creek**	**23.49 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
pH	FWP - Warm Water Aquatic Community	140		
OK410310010010_00	**Kiamichi River**	**26.35 MILES**	**5b**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Lead	FWP - Warm Water Aquatic Community	49, 82, 140		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 136, 140***		
OK410310010050_00	**Nanih Waiya Lake**	**131.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK410310010070_00	**Dry Creek**	**6.45 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	140		
Total Dissolved Solids	Agriculture	140		
OK410310010220_00	**Carl Albert Lake**	**183.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
pH	FWP - Warm Water Aquatic Community	140		
OK410310010230_00	**Talihina Lake**	**25.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	102, 119		
OK410310020010_10	**Kiamichi River**	**25.18 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Lead	FWP - Warm Water Aquatic Community	49, 82, 140		
pH	FWP - Warm Water Aquatic Community	8, 140		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
OK410310020070_00*	**Billy Creek**	**8.91 MILES**	**5a**	**2013** NEW
Cause of Impairment	Impaired Use	Potential Sources		
pH*	***FWP - Warm Water Aquatic Community***	***8, 92, 102, 140***		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 87, 92, 108, 111, 133, 136, 140***		
OK410310020100_00*	**Big Cedar Creek**	**5.83 MILES**	**5a**	**2013** NEW
Cause of Impairment	Impaired Use	Potential Sources		
pH*	***FWP - Warm Water Aquatic Community***	***8, 92, 140***		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK410310030020_00	**Sardis Lake**	**13,610.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK410310030090_00	**Bolen Creek**	**8.54 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
pH	FWP - Warm Water Aquatic Community	140		
Sulfates	Agriculture	140		
Total Dissolved Solids	Agriculture	140		
OK410400010010_20	**Red River**	**4.86 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates*	***Agriculture***	***140***		
Total Dissolved Solids	Agriculture	140		
Chloride	Agriculture	140		
Oil and Grease*	***FWP - Warm Water Aquatic Community***	***49, 102, 140***		
Turbidity	FWP - Warm Water Aquatic Community	46, 87, 108, 140		
OK410400010040_00*	**Horse Creek**	**7.76 MILES**	**5a**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 59, 92, 108, 111, 133, 136, 140***		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 59, 92, 108, 111, 133, 136, 140***		
OK410400010070_00	**Muddy Boggy Creek**	**21.59 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Lead	FWP - Warm Water Aquatic Community	49, 85, 140		
Lead	Fish Consumption	49, 85, 140		
Oil and Grease*	***FWP - Warm Water Aquatic Community***	***49, 102, 140***		
Turbidity	FWP - Warm Water Aquatic Community	46, 87, 108, 140		
OK410400010130_00*	**Lick Creek**	**20.19 MILES**	**5a**	**2013** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 87, 92, 108, 133, 136, 140***		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 102, 108, 140***		
OK410400010210_00*	**Whitegrass Creek**	**29.71 MILES**	**5a**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 87, 92, 108, 111, 133, 136, 140***		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 108, 140***		
OK410400020200_00*	**Caney Creek**	**11.67 MILES**	**5a**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
pH*	***FWP - Warm Water Aquatic Community***	***8, 92, 140***		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 87, 92, 108, 133, 136, 140***		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK410400030010_00	**Clear Boggy Creek**	**22.76 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Lead	FWP - Warm Water Aquatic Community	49, 85, 140		
Lead	Fish Consumption	49, 85, 140		
Turbidity	FWP - Warm Water Aquatic Community	46, 87, 108, 140		
OK410400030020_00*	**Caney Creek**	**12.42 MILES**	**5a**	**2013** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Secondary Body Contact Recreation***	***46, 92, 108, 111, 128, 133, 136, 140***		
OK410400030120_00	**Rock Creek Lake**	**248.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK410400030240_00*	**Delaware Creek**	**29.01 MILES**	**5a**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 85, 92, 100, 108, 111, 133, 136, 140***		
OK410400030370_00*	**Leader Creek**	**29.58 MILES**	**5a**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 102, 108, 140***		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 87, 92, 108, 111, 133, 136, 140***		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
OK410400030490_00*	**Goose Creek**	**15.09 MILES**	**5a**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 87, 92, 108, 111, 133, 136, 140***		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 102, 108, 140***		
OK410400040170_00	**Lake Creek**	**3.96 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	140		
Chromium (total)	Fish Consumption	102		
Lead	Fish Consumption	102		
Total Dissolved Solids	Agriculture	140		
OK410400050270_10	**Muddy Boggy Creek**	**22.25 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Lead	Fish Consumption	49, 85, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 108, 140		
Lead	FWP - Warm Water Aquatic Community	49, 85, 140		
Turbidity	FWP - Warm Water Aquatic Community	46, 87, 108, 140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK410400060010_30	**Muddy Boggy Creek**	**20.56 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	140		
pH	FWP - Warm Water Aquatic Community	102		
Total Dissolved Solids	Agriculture	140		
OK410400060040_00	**Coalgate Municipal Lake**	**352.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Color	Aesthetic	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK410400060120_00*	**Caney Boggy Creek**	**26.49 MILES**	**5a**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 102, 108, 140***		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 87, 92, 100, 108, 111, 133, 136, 140***		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 100, 108, 111, 133, 136, 140***		
OK410400070020_00	**McGee Creek Lake**	**3,810.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
pH	FWP - Warm Water Aquatic Community	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK410400080010_00*	**Boggy Creek, North**	**35.06 MILES**	**5a**	**2010** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 87, 92, 108, 111, 133, 136, 140***		
Sulfates*	***Agriculture***	***49, 140***		
Total Dissolved Solids*	***Agriculture***	***49, 140***		
OK410400080020_00	**Atoka Lake**	**5,700.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
Color	Aesthetic	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK410600010030_00*	**Sulphur Creek**	**14.61 MILES**	**5a**	**2013** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 87, 92, 108, 111, 133, 136, 140***		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 108, 140***		
OK410600010140_00*	**Caddo Creek**	**13.96 MILES**	**5a**	**2013** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 85, 87, 92, 108, 111, 133, 136, 140***		
OK410600020020_00*	**Sandy Creek**	**15.35 MILES**	**5a**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 100, 108, 111, 133, 136, 140***		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK520500010020_00	**Eufaula Lake, N. Canadian River Arm**	**17,583.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK520500010110_10	**Canadian River, North**	**48.39 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 87, 108, 140		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 111, 133, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	46, 59, 85, 92, 111, 133, 136, 140		
Lead	FWP - Warm Water Aquatic Community	49, 85, 140		
Lead	Fish Consumption	49, 85, 140		
OK520500010170_00	**Bad Creek**	**19.11 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
OK520500010200_00	**Alabama Creek**	**14.20 MILES**	**5c**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 108, 111, 133, 136, 140		
OK520500010242_00	**Clearview Creek**	**2.29 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	140		
Total Dissolved Solids	Agriculture	140		
OK520500010270_00	**Wetumka City Lake**	**169.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Color*	***Aesthetic***	***140***		
Enterococcus*	***Primary Body Contact Recreation***	***140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK520500010280_00	**Flat Rock Creek**	**9.72 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK520500020010_00	**Wewoka Creek**	**42.99 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Primary Body Contact Recreation	140		
Turbidity	FWP - Habitat Limited Aquatic Community	21, 46, 49, 87, 102, 108, 140		
Chloride	Agriculture	49, 102, 140		
OK520500020020_00	**Greasy Creek**	**18.51 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
pH	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK520500020027_00	**Cheyarha Creek, East**	**3.01 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK520500020028_00	**Cheyarha Creek, West**	**2.92 MILES**	**5c**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK520500020060_00	**Graves Creek**	**13.50 MILES**	**5c**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK520500020090_00	**Little Wewoka Creek**	**20.44 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 100, 108, 111, 133, 136, 140		
OK520500020190_00	**Wewoka Lake**	**371.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Color*	***Aesthetic***	***140***		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK520500020210_00	**Tiger Creek**	**3.77 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	140		
OK520500020220_00	**Sportsman Lake**	**354.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK520500020230_00	**Carter Creek**	**2.70 MILES**	**5c**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102, 140		
Total Dissolved Solids	Agriculture	102, 140		
OK520500020240_00	**Wewoka Creek**	**5.36 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Cadmium	FWP - Habitat Limited Aquatic Community	140		
OK520500020240_10	**Wewoka Creek**	**10.27 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	102, 124, 140		
Chloride	Agriculture	102, 124, 140		
Nitrates	Public and Private Water Supply	85, 92		
Sulfates	Agriculture	85, 92		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK520500020250_00	**Magnolia Creek**	**4.81 MILES**	**5c**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK520500020260_00	**Salt Cedar Creek**	**1.33 MILES**	**5c**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK520500020260_20	**Salt Cedar Creek**	**1.06 MILES**	**5c**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK520500020270_00	**Wewoka Creek, Trib A!**	**5.26 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK520500020280_00	**Oakwood Cemetery Creek!**	**6.69 MILES**	**5c**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	102		
Chloride	Agriculture	102		
OK520510000010_00	**Canadian River, North**	**36.94 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 87, 108, 140		
pH*	***FWP - Warm Water Aquatic Community***	***85, 140***		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 111, 133, 136, 140		
Lead	Fish Consumption	49, 85, 140		
Lead	FWP - Warm Water Aquatic Community	49, 85, 140		
OK520510000040_00	**Okemah Creek**	**12.94 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	140		
OK520510000050_00	**Sand Creek**	**15.03 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
OK520510000095_00	**Turkey Creek, Trib A!**	**4.26 MILES**	**5c**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
OK520510000100_00	**Turkey Creek**	**16.42 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
pH	FWP - Warm Water Aquatic Community	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK520510000105_00	**Earlsboro Creek**	**5.13 MILES**	**5c**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
OK520510000110_00	**Canadian River, North**	**3.04 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
Lead	FWP - Warm Water Aquatic Community	140		
pH	FWP - Warm Water Aquatic Community	140		
OK520510000110_05	**Canadian River, North**	**21.91 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Cadmium	FWP - Warm Water Aquatic Community	140		
Lead*	***FWP - Warm Water Aquatic Community***	***140***		
Lead*	***Fish Consumption***	***140***		
Total Dissolved Solids	Agriculture	140		
OK520510000110_10	**Canadian River, North**	**20.31 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Lead	Fish Consumption	49, 85, 140		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 87, 108, 140		
Lead	FWP - Warm Water Aquatic Community	49, 85, 140		
Enterococcus*	***Primary Body Contact Recreation***	***46, 59, 85, 92, 108, 111, 133, 136, 140***		
Cadmium	FWP - Warm Water Aquatic Community	140		
pH	FWP - Warm Water Aquatic Community	85, 140		
OK520510000110_20	**Canadian River, North**	**31.54 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***34, 92, 108, 111, 133, 136, 140***		
Escherichia coli*	***Primary Body Contact Recreation***	***34, 92, 108, 111, 133, 136, 140***		
Fecal Coliform*	***Primary Body Contact Recreation***	***34, 92, 108, 111, 133, 136, 140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK520510000220_00	**Tecumseh Lake**	**127.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Color	Aesthetic	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK520510000255_00	**Wes Watkins Reservoir**	**1,132.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK520510000280_00	**Shawnee Twin Lake #1 (South)**	**1,336.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK520510000290_00*	**Deer Creek, South**	**4.40 MILES**	**5a**	**2010** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***34, 46, 92, 111, 133, 136, 140***		
Oil and Grease*	***Public and Private Water Supply***	***34, 49, 97, 111, 140***		
Oil and Grease*	***Aesthetic***	***34, 49, 97, 111, 140***		
Oil and Grease*	***FWP - Warm Water Aquatic Community***	***34, 49, 97, 111, 140***		
OK520510000300_00	**Shawnee Twin Lake #2 (North)**	**1,100.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK520520000010_00	**Canadian River, North**	**3.85 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Dieldrin	Fish Consumption	87, 140		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140		
Total Dissolved Solids*	***Agriculture***	***49, 102, 140***		
OK520520000010_10*	**Canadian River, North**	**13.35 MILES**	**5a**	**2010** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***34, 92, 111, 133, 136, 140***		
Fecal Coliform*	***Primary Body Contact Recreation***	***34, 92, 111, 133, 136, 140***		
Escherichia coli*	***Primary Body Contact Recreation***	***34, 92, 111, 133, 136, 140***		
OK520520000010_20	**Canadian River, North**	**13.71 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***34, 92, 111, 133, 136, 140***		
Escherichia coli*	***Primary Body Contact Recreation***	***34, 92, 111, 133, 136, 140***		
Fecal Coliform	Primary Body Contact Recreation	34, 92, 111, 133, 136, 140		
OK520520000010_30	**Canadian River, North**	**4.55 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***34, 92, 111, 133, 136, 140***		
Escherichia coli*	***Primary Body Contact Recreation***	***34, 92, 111, 133, 136, 140***		
Fecal Coliform*	***Primary Body Contact Recreation***	***34, 92, 111, 133, 136, 140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK520520000010_40	**Canadian River, North**	**9.78 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli*	***Primary Body Contact Recreation***	***34, 92, 111, 133, 136, 140***		
Fecal Coliform*	***Primary Body Contact Recreation***	***34, 92, 111, 133, 136, 140***		
Enterococcus*	***Primary Body Contact Recreation***	***34, 92, 111, 133, 136, 140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK520520000030_00	**Choctaw Creek**	**9.76 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Habitat Limited Aquatic Community	140		
OK520520000060_00	**Crutcho Creek**	**3.55 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK520520000070_00	**Crutcho Creek**	**3.85 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	68, 84, 85, 140		
Escherichia coli	Primary Body Contact Recreation	68, 84, 85, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	68, 84, 85, 140		
OK520520000090_00	**Crutcho Creek**	**3.14 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oil and Grease	Aesthetic	33		
Oil and Grease	FWP - Warm Water Aquatic Community	33		
OK520520000110_00	**Cherry Creek**	**7.31 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Selenium	FWP - Warm Water Aquatic Community	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Cadmium	FWP - Warm Water Aquatic Community	140		
OK520520000150_00	**Crooked Oak Creek**	**6.98 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	84, 85, 140		
Escherichia coli	Primary Body Contact Recreation	84, 85, 140		
Fecal Coliform	Primary Body Contact Recreation	84, 85, 140		
Oil and Grease	Aesthetic	84, 140		
Oil and Grease	FWP - Warm Water Aquatic Community	84, 140		
Oil and Grease	Public and Private Water Supply	84, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	84, 85, 140		
Total Dissolved Solids	Agriculture	140		
Chloride	Agriculture	140		
OK520520000210_00	**Canadian River, North**	**1.07 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***92, 111, 133, 136, 140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Oil and Grease	FWP - Warm Water Aquatic Community	70		
Oil and Grease	Aesthetic	70		
Escherichia coli*	***Primary Body Contact Recreation***	***92, 111, 133, 136, 140***		
Fecal Coliform*	***Primary Body Contact Recreation***	***92, 111, 133, 136, 140***		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK520520000230_00*	**Campbell Creek**	**5.89 MILES**	**5a**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 108, 136, 156, 140***		
Sulfates*	***Agriculture***	***140***		
OK520520000240_00	**Mustang Creek**	**9.16 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	84, 156, 140		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 111, 133, 136, 156, 140***		
OK520520000250_00	**Canadian River, North**	**6.52 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity*	***FWP - Warm Water Aquatic Community***	***140***		
Sulfates	Agriculture	140		
Fecal Coliform	Primary Body Contact Recreation	140		
OK520520000260_00	**Overholser Lake**	**1,500.00 ACRES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK520520000350_00*	**Airport Heights Creek!**	**4.26 MILES**	**5a**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***34, 84, 111, 133, 140***		
Turbidity*	***FWP - Warm Water Aquatic Community***	***140***		
OK520530000030_00	**Shell Creek**	**9.48 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	92, 156, 140		
OK520530000080_00	**El Reno Lake**	**170.00 ACRES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK520530000270_00*	**Perimeter Creek!**	**3.73 MILES**	**5a**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oil and Grease*	***Aesthetic***	***34, 49, 111, 140***		
Oil and Grease*	***FWP - Warm Water Aquatic Community***	***34, 49, 111, 140***		
OK520600010010_00	**Canadian River**	**37.50 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Lead	FWP - Warm Water Aquatic Community	49, 85, 140		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 87, 108, 140		
Lead	Fish Consumption	49, 85, 140		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140		
Oil and Grease*	***FWP - Warm Water Aquatic Community***	***49, 102, 140***		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK520600010060_00	**Factory Creek**	**6.32 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	85, 92, 156, 140		
Fecal Coliform	Primary Body Contact Recreation	85, 92, 156, 140		
OK520600010100_00	**Konawa Lake**	**1,350.00 ACRES**	**5c**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK520600020010_00	**Canadian River**	**24.35 MILES**	**5b**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
pH	FWP - Warm Water Aquatic Community	140		
Sulfates	Agriculture	140		
Total Dissolved Solids	Agriculture	140		
OK520600020170_00	**Julian Creek**	**5.19 MILES**	**5c**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102, 140		
Total Dissolved Solids	Agriculture	140		
Fecal Coliform	Primary Body Contact Recreation	92, 156, 140		
Escherichia coli	Primary Body Contact Recreation	92, 156, 140		
OK520600020205_00	**Red Springs Creek**	**1.04 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	140		
OK520600030010_00*	**Canadian Sandy Creek**	**37.70 MILES**	**5a**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 59, 92, 108, 111, 133, 136, 140***		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 102, 108, 140***		
OK520600030030_00	**Spring Brook**	**11.28 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Primary Body Contact Recreation	140		
OK520610010010_05	**Canadian River**	**32.65 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Habitat Limited Aquatic Community	46, 85, 87, 108, 140		
Enterococcus	Secondary Body Contact Recreation	46, 85, 87, 108, 140		
Lead*	***Fish Consumption***	***49, 85, 140***		
Oil and Grease*	***FWP - Habitat Limited Aquatic Community***	***49, 102, 140***		
OK520610010080_00	**Willow Creek**	**9.06 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	156, 140		
Fecal Coliform	Primary Body Contact Recreation	92, 156, 140		
Chlorpyrifos	FWP - Warm Water Aquatic Community	140		
Escherichia coli	Primary Body Contact Recreation	92, 156, 140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK520610010180_00	**Bishop Creek**	**7.82 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chlorpyrifos	FWP - Warm Water Aquatic Community	140		
Fecal Coliform	Primary Body Contact Recreation	140		
OK520610010230_00*	**Cow Creek**	**6.71 MILES**	**5a**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***140***		
Selenium*	***FWP - Warm Water Aquatic Community***	***140***		
OK520610020060_00*	**Foreman Creek**	**4.77 MILES**	**5a**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 92, 108, 133, 136, 140***		
OK520610020070_00*	**Dry Creek**	**8.37 MILES**	**5a**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oil and Grease*	***Public and Private Water Supply***	***34, 49, 97, 111, 140***		
Oil and Grease*	***FWP - Warm Water Aquatic Community***	***34, 49, 97, 111, 140***		
Oil and Grease*	***Aesthetic***	***34, 49, 97, 111, 140***		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***34, 92, 133, 136, 140***		
OK520610020120_00	**Buggy Creek**	**26.51 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	46, 85, 92, 100, 108, 111, 133, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	140		
OK520610020150_10	**Canadian River**	**36.25 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 111, 133, 136, 140		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 87, 108, 140		
OK520610020165_00	**Trib8!**	**5.97 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	110		
Arsenic	FWP - Warm Water Aquatic Community	70		
Chloride	Agriculture	110		
Chromium (total)	FWP - Warm Water Aquatic Community	70		
Sulfates	Agriculture	140		
OK520610030010_00	**Walnut Creek**	**28.44 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 85, 92, 100, 108, 111, 128, 133, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 85, 92, 100, 108, 111, 128, 133, 136, 140		
OK520610030040_00	**Purcell Lake**	**150.00 ACRES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK520610030080_00	**Walnut Creek, North Fork**	**16.84 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	92, 156, 140		
Escherichia coli	Primary Body Contact Recreation	92, 156, 140		
Fecal Coliform	Primary Body Contact Recreation	92, 156, 140		
Turbidity	FWP - Warm Water Aquatic Community	156, 140		
OK520620010100_00	**American Horse Lake**	**100.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK520620020010_00	**Canadian River**	**38.26 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	49, 102, 140		
Chloride	Agriculture	49, 102, 140		
Sulfates	Agriculture	49, 102, 140		
OK520620020060_00	**Flanders Creek**	**4.54 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	155		
OK520620020070_00	**Fiddlers Creek**	**6.89 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	155		
OK520620020080_00	**Squirrel Creek**	**9.80 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	155		
OK520620020090_00	**Trail Creek**	**14.34 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	49, 140		
Total Dissolved Solids	Agriculture	49, 140		
OK520620030010_00	**Canadian River**	**38.09 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	140		
Enterococcus	Primary Body Contact Recreation	156, 140		
Sulfates	Agriculture	140		
OK520620030020_00	**Lone Creek**	**13.18 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	49, 140		
Total Dissolved Solids	Agriculture	49, 140		
OK520620030050_00	**Red Trail Creek**	**7.74 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK520620030110_00	**Red Creek**	**11.82 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	49, 140		
OK520620040050_00	**Hackberry Creek**	**14.33 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	49, 140		
Sulfates	Agriculture	49, 140		
OK520620050200_00	**Lloyd Vincent Lake**	**160.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK520700010020_00	**Eufaula Lake, Canadian River Deep Fork**	**17,583.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Color	Aesthetic	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK520700010080_00	**Gentry Creek**	**9.64 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 108, 136, 140		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 102, 108, 140		
OK520700010110_00	**Grave Creek**	**13.94 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
OK520700010140_00	**Coal Creek**	**21.72 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 87, 108, 140		
OK520700010170_00*	**Wolf Creek**	**12.90 MILES**	**5a**	**2013** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Fishes Bioassessments*	***FWP - Warm Water Aquatic Community***	***140***		
OK520700010180_00	**Henryetta Lake**	**450.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Color	Aesthetic	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK520700020010_10	**Canadian River, Deep Fork**	**39.07 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 85, 92, 108, 111, 133, 136, 140		
Fecal Coliform*	***Primary Body Contact Recreation***	***46, 85, 92, 108, 111, 133, 136, 140***		
Oil and Grease*	***FWP - Warm Water Aquatic Community***	***49, 62, 102, 140***		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 87, 111, 140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK520700020040_00	**Okmulgee Lake**	**668.00 ACRES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK520700020060_00	**Dripping Springs Lake (Salt Creek Structu**	**1,150.00 ACRES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity*	***FWP - Warm Water Aquatic Community***	***140***		
Color	Aesthetic	140		
OK520700020080_00	**Adams Creek**	**13.33 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK520700020150_00	**Salt Creek**	**12.12 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK520700020155_00	**Begger Creek!**	**3.61 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK520700020200_00	**Nuyaka Creek**	**21.72 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK520700020290_00	**Okemah Lake**	**761.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity*	***FWP - Warm Water Aquatic Community***	***140***		
Color*	***Aesthetic***	***140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK520700030020_00	**Walnut Creek**	**14.71 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK520700030100_00	**Salt Creek**	**22.35 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 59, 85, 92, 108, 111, 128, 133, 136, 140***		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 59, 85, 92, 108, 111, 128, 133, 136, 140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 100, 108, 136, 140		
OK520700030220_00	**Camp Creek**	**5.14 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 108, 111, 128, 133, 136, 140		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 102, 108, 140***		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK520700030240_00	**Stroud Lake**	**600.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK520700030270_00	**Hilliby Creek**	**13.39 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Fishes Bioassessments	FWP - Warm Water Aquatic Community	140		
OK520700040010_00	**Canadian River, Deep Fork**	**18.10 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chromium (total)	Public and Private Water Supply	62, 85, 140		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 87, 108, 140		
Lead	Fish Consumption	49, 85, 140		
Lead	FWP - Warm Water Aquatic Community	49, 85, 140		
Enterococcus	Primary Body Contact Recreation	46, 85, 92, 108, 111, 133, 136, 140		
Chromium (total)	FWP - Warm Water Aquatic Community	62, 85, 140		
Fecal Coliform*	***Primary Body Contact Recreation***	***46, 85, 92, 108, 111, 133, 136, 140***		
OK520700040020_00*	**Dry Creek**	**28.27 MILES**	**5a**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 133, 136, 140***		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 85, 87, 102, 108, 140***		
OK520700040220_00	**Prague Lake**	**225.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK520700040260_00*	**Quapaw Creek**	**26.81 MILES**	**5a**	**2013** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 128, 133, 136, 140***		
OK520700040370_00	**Meeker Lake**	**250.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK520700050020_00	**Bellcow Creek**	**5.75 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	85, 140		
OK520700050025_00	**Bell Cow Lake**	**1,153.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK520700050060_00	**Chandler Lake**	**129.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK520700050080_00	**Bellcow Creek, North**	**4.56 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oil and Grease	Aesthetic	124		
Oil and Grease	FWP - Warm Water Aquatic Community	124		
OK520700050140_00	**Captain Creek**	**4.40 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	140		
OK520700050200_00	**Opossum Creek**	**7.37 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	156, 140		
OK520700050250_00	**Chandler Lake, NW Trib!**	**2.36 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oil and Grease	Aesthetic	124		
Oil and Grease	FWP - Warm Water Aquatic Community	124		
Oil and Grease	Public and Private Water Supply	124		
OK520700060050_00	**Browns Creek**	**13.93 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK520700060130_10	**Little Deep Fork Creek**	**24.39 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
Escherichia coli	Primary Body Contact Recreation	140		
Fecal Coliform	Primary Body Contact Recreation	140		
OK520700060140_00	**Catfish Creek**	**9.94 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	140		
Total Dissolved Solids	Agriculture	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK520700060210_00	**Spring Creek, West**	**7.28 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK520710010030_00	**Coon Creek**	**12.47 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chlorpyrifos	FWP - Warm Water Aquatic Community	140		
OK520710020020_00	**Arcadia Lake**	**1,820.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
Chlorophyll-a*	***Public and Private Water Supply***	***140***		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK520710020030_00	**Spring Creek**	**5.27 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	84, 140		
OK520710020060_00	**Canadian River, Deep Fork**	**10.07 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	84, 140		
Escherichia coli	Primary Body Contact Recreation	84, 140		
Fecal Coliform	Primary Body Contact Recreation	84, 140		
OK520800010010_00	**Little River**	**24.80 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 85, 92, 108, 111, 133, 136, 140		
Fecal Coliform*	***Primary Body Contact Recreation***	***46, 85, 92, 108, 111, 133, 136, 140***		
Lead	FWP - Warm Water Aquatic Community	49, 85, 140		
Lead	Fish Consumption	49, 85, 140		
Oil and Grease*	***FWP - Warm Water Aquatic Community***	***49, 62, 102, 140***		
OK520800010040_00	**Holdenville Lake**	**550.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
Chlorophyll-a*	***Public and Private Water Supply***	***140***		
OK520800010055_00	**Kight Creek**	**4.55 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	102		
Chloride	Agriculture	102		
OK520800010060_00	**Cudjo Creek**	**5.88 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
pH	FWP - Warm Water Aquatic Community	140		
OK520800010062_00	**Bear Cub Creek**	**1.05 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
pH	FWP - Warm Water Aquatic Community	102		
OK520800010090_00	**Little River**	**28.45 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
OK520800020080_00*	**Pecan Creek**	**10.80 MILES**	**5a**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oil and Grease*	***Aesthetic***	***34, 49, 97, 110, 111, 140***		
Oil and Grease*	***FWP - Warm Water Aquatic Community***	***34, 49, 97, 110, 111, 140***		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK520800030010_00	**Salt Creek**	**39.02 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Fishes Bioassessments	FWP - Warm Water Aquatic Community	140		
Total Dissolved Solids	Public and Private Water Supply	49, 102, 140		
Chloride	Agriculture	49, 102, 140		
Total Dissolved Solids	Agriculture	49, 102, 140		
Sedimentation/Siltation	Aesthetic	21, 87, 140		
OK520800030070_00	**Bruno Creek**	**10.32 MILES**	**5c**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK520800030080_00	**Popshego Creek**	**4.38 MILES**	**5c**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Barium	Public and Private Water Supply	102		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK520800030120_00	**Blacksmith Creek**	**5.99 MILES**	**5c**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK520810000020_00	**Thunderbird Lake**	**6,070.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Chlorophyll-a*	***Public and Private Water Supply***	***140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK520810000030_00*	**Hog Creek**	**11.89 MILES**	**5a**	**2010** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 87, 92, 108, 111, 133, 136, 140***		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 156, 140***		
OK520810000040_00*	**Hog Creek, West Branch**	**3.69 MILES**	**5a**	**2010** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***34, 111, 133, 136, 140***		
OK520810000100_00	**Elm Creek**	**1.44 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	140		
Total Dissolved Solids	Agriculture	140		
Turbidity*	***FWP - Warm Water Aquatic Community***	***140***		
OK520810000110_00*	**Elm Creek, East**	**2.40 MILES**	**5a**	**2010** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***34, 108, 111, 133, 136, 140***		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK520810000130_00	**Stanley Draper Lake**	**2,900.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK520810000175_00	**Moore Creek**	**4.02 MILES**	**5c**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	102		
OK620900010020_00	**Keystone Lake, Cimarron River Arm, Lo**	**5,902.50 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK620900010090_00	**Keystone Lake, Cimarron River Arm, Up**	**5,902.50 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK620900010170_10	**Cimarron River**	**26.58 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140		
Lead*	***Fish Consumption***	***49, 85, 140***		
Total Dissolved Solids*	***Agriculture***	***56, 140***		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 87, 108, 140		
OK620900010180_00	**Lagoon Creek**	**18.55 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 136, 140		
OK620900010220_00	**Buckeye Creek**	**11.42 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Primary Body Contact Recreation	140		
OK620900010250_00	**Tiger Creek**	**9.68 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	102		
Chloride	Agriculture	102		
OK620900010290_00	**Euchee Creek**	**9.56 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 97, 108, 140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK620900010310_00	**Cottonwood Creek**	**6.26 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	85, 140		
Escherichia coli	Primary Body Contact Recreation	85, 140		
Fecal Coliform	Primary Body Contact Recreation	85, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 85, 87, 108, 140		
OK620900020020_00	**Salt Creek**	**14.71 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 136, 140		
OK620900020050_00	**Council Creek**	**21.94 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	140		
OK620900020120_00	**Cushing Lake**	**591.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Color	Aesthetic	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK620900030010_00	**Cimarron River**	**42.09 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 87, 108, 140		
Total Dissolved Solids*	***Agriculture***	***140***		
Lead*	***Fish Consumption***	***49, 85, 140***		
OK620900030080_00	**Dugout Creek**	**13.58 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 100, 108, 111, 133, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 92, 100, 108, 111, 133, 136, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 100, 108, 111, 133, 136, 140		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 97, 108, 140		
OK620900030180_00	**Langston Lake**	**304.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK620900030230_00	**Beaver Creek**	**12.65 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***49, 102, 140***		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 102, 108, 140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK620900030260_00	**Beaver Creek, West**	**13.21 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	156, 140		
Enterococcus	Primary Body Contact Recreation	92, 156, 140		
Escherichia coli	Primary Body Contact Recreation	92, 156, 140		
Fecal Coliform	Primary Body Contact Recreation	92, 156, 140		
OK620900030270_00	**Beaver Creek, Middle**	**10.04 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK620900040040_00	**Stillwater Creek**	**3.53 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***49, 102, 140***		
Enterococcus	Primary Body Contact Recreation	46, 69, 85, 92, 100, 108, 111, 128, 133, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 69, 85, 92, 100, 108, 111, 128, 133, 136, 140		
Nitrates	Public and Private Water Supply	8, 46, 85, 87, 92, 100, 108, 111, 128, 133, 136, 140		
OK620900040050_00	**Little Stillwater Creek**	**13.91 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Nitrates	Public and Private Water Supply	85, 92		
OK620900040070_10	**Stillwater Creek**	**16.43 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Habitat Limited Aquatic Community	46, 87, 92, 100, 108, 111, 133, 136, 140		
Turbidity	FWP - Habitat Limited Aquatic Community	21, 46, 49, 87, 108, 140		
OK620900040190_00	**Boomer Lake**	**260.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK620900040240_00	**McMurtry Lake**	**1,155.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK620900040270_10	**Stillwater Creek**	**6.42 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK620900040280_00	**Carl Blackwell Lake**	**3,370.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chlorophyll-a*	***Public and Private Water Supply***	***140***		
Turbidity	FWP - Warm Water Aquatic Community	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK620910010010_00	**Cimarron River**	**8.33 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140		
OK620910020010_00	**Cimarron River**	**17.84 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***49, 140***		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140		
Lead*	***Fish Consumption***	***49, 85, 140***		
Total Dissolved Solids	Agriculture	49, 140		
OK620910020010_10	**Cimarron River**	**41.63 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140		
Sulfates	Agriculture	49, 140		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140		
Chloride	Agriculture	49, 140		
Total Dissolved Solids	Agriculture	49, 140		
OK620910020040_00	**Cooper Creek**	**40.27 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 108, 136, 140		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 102, 108, 140		
OK620910020100_00	**Salt Creek**	**4.43 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	49, 102, 140		
Sulfates	Agriculture	49, 102, 140		
Total Dissolved Solids	Agriculture	49, 102, 140		
OK620910020250_00	**Deep Creek**	**25.42 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Sulfates	Agriculture	49, 140		
OK620910020270_00	**Elm Creek**	**14.15 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	92, 156, 140		
Sulfates	Agriculture	140		
Turbidity	FWP - Warm Water Aquatic Community	156, 140		
Enterococcus	Primary Body Contact Recreation	92, 156, 140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK620910020310_00	**Indian Creek**	**16.71 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***140***		
OK620910030010_00	**Skeleton Creek**	**32.84 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***140***		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140		
Oil and Grease*	***FWP - Warm Water Aquatic Community***	***49, 62, 102, 140***		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 97, 108, 140		
OK620910030040_00	**Otter Creek**	**30.15 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 59, 92, 108, 111, 128, 133, 136, 140***		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 102, 108, 140		
OK620910040010_00	**Cottonwood Creek**	**22.01 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 102, 108, 140		
OK620910040010_20	**Cottonwood Creek**	**24.39 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	140		
Fecal Coliform	Primary Body Contact Recreation	140		
Enterococcus	Primary Body Contact Recreation	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK620910040060_00*	**Guthrie Lake**	**274.00 ACRES**	**5a**	**2010** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Chlorophyll-a*	***Public and Private Water Supply***	***140***		
Enterococcus*	***Primary Body Contact Recreation***	***140***		
OK620910040080_00	**Liberty Lake**	**167.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Chlorophyll-a*	***Public and Private Water Supply***	***140***		
Enterococcus*	***Primary Body Contact Recreation***	***140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK620910040100_00	**Chisholm Creek**	**21.15 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	140		
Nitrates	Public and Private Water Supply	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK620910040120_00	**Deer Creek**	**12.67 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	156, 140		
Chlorpyrifos	FWP - Warm Water Aquatic Community	140		
Enterococcus	Primary Body Contact Recreation	68, 84, 85, 156, 140		
Escherichia coli	Primary Body Contact Recreation	68, 84, 85, 156, 140		
OK620910040140_00	**Bluff Creek**	**9.32 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Primary Body Contact Recreation	85, 140		
Escherichia coli	Primary Body Contact Recreation	84, 85, 140		
Enterococcus	Primary Body Contact Recreation	85, 140		
OK620910040200_00	**Hefner Lake**	**2,500.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK620910050010_00	**Kingfisher Creek**	**47.37 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 85, 92, 108, 111, 133, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 85, 92, 108, 111, 133, 136, 140		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 97, 108, 140		
OK620910050020_00	**Trail Creek**	**14.87 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	140		
Escherichia coli	Primary Body Contact Recreation	140		
OK620910050030_00	**Uncle Johns Creek**	**27.49 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 111, 128, 133, 136		
OK620910050080_00	**Dead Indian Creek**	**24.23 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 97, 108, 140		
Enterococcus	Primary Body Contact Recreation	46, 85, 92, 100, 108, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 85, 92, 100, 108, 136, 140		
Sulfates*	***Agriculture***	***140***		
OK620910050150_00*	**Winter Camp Creek!**	**7.73 MILES**	**5b**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates*	***Agriculture***	***140***		
OK620910060030_00	**Buffalo Creek**	**13.99 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size		Category	TMDL Date
OK620910060110_00	**Clear Creek**	**5.18**	**MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources			
Turbidity	FWP - Warm Water Aquatic Community	140			
OK620920010010_00	**Cimarron River**	**43.01**	**MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources			
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140			
Escherichia coli	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140			
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 87, 108, 140			
OK620920010080_00	**Cottonwood Creek**	**21.88**	**MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources			
Enterococcus	Primary Body Contact Recreation	92, 156, 140			
Escherichia coli	Primary Body Contact Recreation	92, 156, 140			
Fecal Coliform	Primary Body Contact Recreation	92, 156, 140			
pH	FWP - Warm Water Aquatic Community	140			
Turbidity	FWP - Warm Water Aquatic Community	156, 140			
OK620920010130_00	**Griever Creek**	**20.28**	**MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources			
Escherichia coli	Primary Body Contact Recreation	92, 156, 140			
Enterococcus	Primary Body Contact Recreation	92, 156, 140			
OK620920010140_00	**Griever Creek, East**	**13.36**	**MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources			
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 136, 140			
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140			
OK620920010180_00	**Main Creek**	**19.10**	**MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources			
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140			
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 136, 140			
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 97, 108, 140			
OK620920020010_00	**Cimarron River**	**32.63**	**MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources			
Chloride	Agriculture	49, 140			
Escherichia coli*	***Primary Body Contact Recreation***	***46, 59, 85, 92, 108, 111, 133, 136, 140***			
Fishes Bioassessments	FWP - Warm Water Aquatic Community	140			
Total Dissolved Solids	Agriculture	49, 140			
OK620920020080_00	**Long Creek**	**17.76**	**MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources			
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140			
OK620920020170_00	**Traders Creek**	**22.09**	**MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources			
Enterococcus	Primary Body Contact Recreation	156, 140			

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK620920030010_00	**Cimarron River**	**24.35 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140		
Total Dissolved Solids	Agriculture	49, 140		
Escherichia coli	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140		
Chloride	Agriculture	49, 140		
Fecal Coliform	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140		
OK620920040010_00	**Eagle Chief Creek**	**73.43 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 111, 128, 133, 136, 140		
Escherichia coli*	***Primary Body Contact Recreation***	***92, 108, 111, 128, 133, 136, 140***		
OK620920040110_00	**Little Eagle Chief Creek**	**24.99 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
OK620920040170_00	**Lojo creek**	**7.53 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	140		
OK620920050010_00	**Buffalo Creek**	**49.75 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 128, 133, 136, 140***		
OK620920050050_00	**Sand Creek**	**26.02 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 136, 140		
OK620930000010_00	**Cimarron River**	**37.66 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 133, 136, 140		
OK620930000100_00	**Crooked Creek**	**6.38 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
OK621000010010_30	**Arkansas River, Salt Fork**	**34.45 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 108, 136, 140		
Lead*	***Fish Consumption***	***49, 85, 140***		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 87, 108, 140		

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK621000010060_00	**Bird's Nest Creek**	**22.54 MILES**	**5c**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK621000020040_00	**Wild Horse Creek**	**24.66 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***49, 97, 102, 140***		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 128, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 128, 136, 140		
OK621000020130_00	**Spring Creek**	**6.14 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	140		
Escherichia coli	Primary Body Contact Recreation	140		
Fecal Coliform	Primary Body Contact Recreation	140		
OK621000030010_00	**Bois d' Arc Creek**	**36.88 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 59, 92, 108, 111, 133, 136, 140		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 108, 140***		
Sulfates*	***Agriculture***	***49, 140***		
Escherichia coli	Primary Body Contact Recreation	46, 59, 92, 108, 111, 133, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	140		
OK621000030050_00	**Cattle Creek, West**	**8.56 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	140		
OK621000040010_00	**Deer Creek**	**40.81 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***49, 97, 102, 140***		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Escherichia coli	Primary Body Contact Recreation	92, 156, 140		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 97, 108, 140		
OK621000050010_00	**Pond Creek**	**60.22 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 97, 108, 140		
Enterococcus	Primary Body Contact Recreation	46, 59, 92, 108, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 59, 92, 108, 136, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 59, 87, 92, 108, 136, 140		
OK621000060010_00	**Crooked Creek**	**32.88 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 108, 140		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK621000060060_00	**Duel Creek**	**10.35 MILES**	**5c**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Sulfates	Agriculture	140		
OK621010010010_00	**Arkansas River, Salt Fork**	**17.34 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus*	***Primary Body Contact Recreation***	***46, 92, 100, 108, 111, 133, 136, 140***		
Fishes Bioassessments	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 108, 140		
OK621010010020_00	**Great Salt Plains Lake**	**8,690.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	140		
Enterococcus*	***Primary Body Contact Recreation***	***140***		
Total Dissolved Solids	Agriculture	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK621010010090_00	**Clay Creek**	**3.35 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 136, 140		
Fishes Bioassessments	FWP - Warm Water Aquatic Community	140		
Chloride	Agriculture	49, 140		
Total Dissolved Solids	Agriculture	49, 140		
OK621010010160_00	**Arkansas River, Salt Fork**	**14.96 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 100, 108, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 100, 108, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	46, 100, 108, 136, 140		
Sulfates*	***Agriculture***	***49, 102, 140***		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 87, 108, 140		
OK621010010230_00	**Turkey Creek**	**20.80 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 102, 108, 140		
Enterococcus	Primary Body Contact Recreation	46, 92, 100, 108, 111, 133, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 92, 100, 108, 111, 133, 136, 140		
Oil and Grease*	***Aesthetic***	***49, 102, 111, 140***		
Oil and Grease*	***FWP - Warm Water Aquatic Community***	***49, 102, 111, 140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 59, 87, 92, 100, 108, 111, 133, 136, 140		
Sulfates	Agriculture	49, 102, 140		
Total Dissolved Solids	Agriculture	49, 102, 140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK621010010240_00	**Boggy Creek**	**16.43 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	140		
Total Dissolved Solids	Agriculture	140		
OK621010010270_00	**Yellowstone Creek**	**21.82 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Total Dissolved Solids	Agriculture	49, 97, 140		
OK621010020010_00	**Sandy Creek**	**17.81 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	140		
OK621010030010_00	**Medicine Lodge River**	**13.47 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 102, 108, 140		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Fishes Bioassessments*	***FWP - Warm Water Aquatic Community***	***140***		
OK621010030030_00	**Driftwood Creek**	**38.79 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 102, 108, 140		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 136, 140		
OK621010030080_00	**Capron Creek, North**	**8.09 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Sulfates	Agriculture	140		
Total Dissolved Solids	Agriculture	140		
OK621100000010_00	**Chikaskia River**	**5.39 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 128, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 128, 136, 140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK621100000010_10	**Chikaskia River**	**23.11 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 87, 108, 140		
Enterococcus	Primary Body Contact Recreation	46, 85, 108, 111, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	46, 85, 108, 111, 136, 140		
Lead	FWP - Warm Water Aquatic Community	49, 85, 140		
Lead	Fish Consumption	49, 85, 140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK621100000010_20	**Chikaskia River**	**12.81 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 128, 136, 140		
OK621100000030_00	**Duck Creek**	**25.78 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	140		
Sulfates	Agriculture	140		
Total Dissolved Solids	Agriculture	140		
Enterococcus	Primary Body Contact Recreation	140		
OK621100000033_00	**Duckling Creek**	**4.85 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK621100000040_00	**Peckham Creek**	**9.29 MILES**	**5b**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	140		
OK621100000050_00	**Stink Creek**	**15.93 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	140		
OK621100000070_00	**Grainville Creek**	**6.32 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	140		
OK621100000100_00	**Bitter Creek**	**23.33 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 102, 108, 140		
Sulfates	Agriculture	49, 102, 140		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Chloride	Agriculture	49, 102, 140		
Total Dissolved Solids	Agriculture	49, 102, 140		
OK621100000130_00	**Scatter Creek**	**7.58 MILES**	**5c**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	140		
OK621200010020_00	**Keystone Lake**	**5,902.50 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK621200010050_00	**Keystone Lake, Arkansas River Arm**	**5,902.50 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK621200010200_00	**Arkansas River**	**37.49 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 85, 108, 111, 136, 140		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 87, 108, 140		
OK621200010270_00	**Cleveland Lake**	**159.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK621200010400_00	**Gray Horse Creek**	**15.94 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Primary Body Contact Recreation	140		
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 133, 140		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 133, 136, 140		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 102, 108, 140		
OK621200020020_00	**Doga Creek**	**9.85 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 108, 136, 140		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 102, 108, 140		
OK621200020130_00	**Sooner Lake**	**5,400.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
Sulfates	Agriculture	140		
Total Dissolved Solids	Agriculture	140		
OK621200020210_00	**Lake Ponca**	**402.50 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Chlorophyll-a*	***Public and Private Water Supply***	***140***		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK621200030010_00	**Black Bear Creek**	**68.02 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Lead*	***FWP - Warm Water Aquatic Community***	***49, 85, 140***		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 102, 108, 140		
Lead*	***Fish Consumption***	***49, 85, 140***		
Enterococcus	Primary Body Contact Recreation	46, 85, 92, 108, 111, 128, 133, 136, 140		
Fishes Bioassessments	FWP - Warm Water Aquatic Community	140		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 85, 108, 111, 136, 140***		
Fecal Coliform	Primary Body Contact Recreation	46, 85, 108, 111, 136, 140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK621200030040_00	**Camp Creek**	**23.09 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Primary Body Contact Recreation	140		
Fishes Bioassessments	FWP - Warm Water Aquatic Community	140		
OK621200030060_00	**Lone Chimney Lake**	**550.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK621200030100_00	**Pawnee Lake**	**257.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
Chlorophyll-a*	***Public and Private Water Supply***	***140***		
Color	Aesthetic	140		
Turbidity	Aesthetic	140		
OK621200030260_10*	**Black Bear Creek**	**11.65 MILES**	**5c**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids*	***Agriculture***	***140***		
Chloride*	***Agriculture***	***140***		
OK621200030270_00	**Cow Creek**	**11.04 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	85, 140		
Escherichia coli	Primary Body Contact Recreation	85, 140		
OK621200030350_00	**Perry Lake**	**614.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Color	Aesthetic	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK621200030360_00	**Gansel Creek**	**7.36 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	140		
Sulfates	Agriculture	140		
Total Dissolved Solids	Agriculture	140		
OK621200030396_00	**Lucien Creek**	**3.62 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Sulfates	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK621200030420_00	**Garber Creek**	**5.62 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Sulfates	Agriculture	140		
Total Dissolved Solids	Agriculture	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK621200030490_00	**Garber Field!**	**3.42 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK621200030500_00	**St. John!**	**2.58 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***140***		
Total Dissolved Solids	Agriculture	102		
OK621200030510_00	**Shale!**	**2.54 MILES**	**5c**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	102		
Total Dissolved Solids	Agriculture	102		
OK621200030560_00*	**Lutheran!**	**2.76 MILES**	**5c**	**2016** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Chloride*	***Agriculture***	***140***		
Total Dissolved Solids*	***Agriculture***	***140***		
OK621200040010_00	**Salt Creek**	**17.29 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 85, 92, 108, 111, 133, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	85, 140		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 102, 108, 140		
OK621200040010_10	**Salt Creek**	**43.97 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
OK621200040040_00	**Fairfax Lake**	**111.00 ACRES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK621200040070_00	**Little Chief Creek**	**13.18 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform	Primary Body Contact Recreation	92, 156, 140		
OK621200050010_00	**Red Rock Creek**	**37.27 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 128, 133, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 59, 85, 92, 108, 111, 128, 133, 136, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	21, 46, 59, 87, 108, 111, 128, 133, 136, 140		
Sulfates*	***Agriculture***	***49, 140***		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 108, 140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK621200050010_10	**Red Rock Creek**	**46.09 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 128, 136, 140		
Sulfates	Agriculture	49, 140		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 108, 140		
OK621200050160_00*	**Grassy Creek**	**13.64 MILES**	**5a**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 49, 87, 108, 140***		
Escherichia coli*	***Primary Body Contact Recreation***	***46, 92, 108, 111, 128, 133, 136, 140***		
Sulfates*	***Agriculture***	***49, 140***		
OK621210000020_00	**Kaw Lake, Lower**	**8,520.00 ACRES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK621210000030_10*	**Arkansas River**	**14.44 MILES**	**5a**	**2019** NEW
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform*	***Primary Body Contact Recreation***	***46, 85, 108, 111, 136, 140***		
Sulfates*	***Agriculture***	***49, 102, 140***		
Total Dissolved Solids*	***Agriculture***	***49, 102, 140***		
Turbidity*	***FWP - Warm Water Aquatic Community***	***46, 85, 87, 108, 140***		
Enterococcus*	***Primary Body Contact Recreation***	***46, 85, 108, 111, 136, 140***		
OK621210000040_00	**Kaw Lake, Upper**	**8,520.00 ACRES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK621210000050_10	**Beaver Creek**	**21.58 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 108, 136, 140		
OK621210000270_00	**Chilocco Creek**	**16.25 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 108, 136, 140		
Enterococcus	Primary Body Contact Recreation	85, 92, 156, 140		
Escherichia coli	Primary Body Contact Recreation	85, 92, 156, 140		
OK720500010010_00	**Canadian River, North**	**37.36 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	46, 85, 87, 108, 140		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 111, 133, 136, 140		
OK720500010020_00	**Canton Lake**	**7,910.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK720500010070_00	**Bent Creek**	**18.13 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Fishes Bioassessments*	***FWP - Warm Water Aquatic Community***	***140***		
Sulfates	Agriculture	49, 140		
OK720500010140_10	**Beaver River (North Canadian)**	**11.50 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 59, 85, 92, 111, 133, 136, 140		
OK720500010150_00	**Persimmon Creek**	**13.45 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 108, 128, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 108, 128, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	140		
OK720500010200_00	**Indian Creek**	**17.03 MILES**	**5c**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Fishes Bioassessments	FWP - Warm Water Aquatic Community	140		
OK720500020010_00	**Beaver River (North Canadian)**	**40.07 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 59, 108, 128, 136, 140		
Fecal Coliform*	***Primary Body Contact Recreation***	***46, 59, 108, 128, 136, 140***		
OK720500020030_00	**Wolf Creek**	**5.57 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	21, 46, 49, 87, 108, 140		
OK720500020050_00	**Otter Creek**	**13.55 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	92, 156, 140		
Escherichia coli	Primary Body Contact Recreation	92, 156, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 108, 136, 140		
OK720500020070_00	**Clear Creek**	**29.74 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 59, 92, 100, 108, 128, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 59, 92, 100, 108, 128, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	140		
OK720500020100_00	**Spring Creek**	**6.67 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 100, 108, 111, 128, 133, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 92, 100, 108, 111, 128, 133, 136, 140		

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK720500020130_00	**Kiowa Creek**	**34.54 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	140		
OK720500020140_00	**Beaver River (North Canadian)**	**38.96 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 59, 108, 128, 136, 140		
Fecal Coliform*	***Primary Body Contact Recreation***	***46, 59, 108, 128, 136, 140***		
Total Dissolved Solids	Agriculture	140		
Chloride	Agriculture	140		
OK720500020250_00	**Duck Pond Creek**	**40.62 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 108, 136, 140		
OK720500020290_00	**Beaver River (North Canadian)**	**31.37 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Total Dissolved Solids	Agriculture	140		
Chloride	Agriculture	140		
Enterococcus	Primary Body Contact Recreation	46, 59, 108, 128, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 59, 108, 128, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	46, 59, 108, 128, 136, 140		
Sulfates*	***Agriculture***	***140***		
OK720500020300_00	**Clear Creek**	**23.48 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 108, 136, 140		
OK720500020450_00	**Beaver River (North Canadian)**	**28.20 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Chloride	Agriculture	140		
Enterococcus	Primary Body Contact Recreation	46, 59, 108, 128, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 59, 108, 128, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	46, 59, 108, 128, 136, 140		
Fishes Bioassessments*	***FWP - Warm Water Aquatic Community***	***140***		
Total Dissolved Solids	Agriculture	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK720500020500_00	**Palo Duro Creek**	**15.84 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Selenium	FWP - Warm Water Aquatic Community	140		
Turbidity	FWP - Warm Water Aquatic Community	140		
Total Dissolved Solids	Agriculture	140		
Sulfates	Agriculture	140		
Fecal Coliform	Primary Body Contact Recreation	140		
Escherichia coli	Primary Body Contact Recreation	140		
Enterococcus	Primary Body Contact Recreation	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	92, 100, 156, 140		
OK720500020500_10	**Palo Duro Creek**	**4.40 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 92, 108, 136, 140		
Fecal Coliform	Primary Body Contact Recreation	140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 108, 136, 140		
OK720500030010_00	**Wolf Creek**	**43.05 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Enterococcus	Primary Body Contact Recreation	46, 85, 92, 108, 128, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 92, 108, 128, 136, 140		
OK720500030020_00	**Fort Supply Lake**	**1,880.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Chlorophyll-a*	***Public and Private Water Supply***	***140***		
Turbidity	FWP - Warm Water Aquatic Community	140		
OK720500030080_00	**Buzzard Creek**	**10.10 MILES**	**5a**	**2019**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	92, 156, 140		
OK720510000190_00	**Beaver River (North Canadian)**	**42.54 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Fecal Coliform*	***Primary Body Contact Recreation***	***46, 108, 136, 140***		
Oxygen, Dissolved*	***FWP - Warm Water Aquatic Community***	***46, 59, 108, 140***		
Enterococcus	Primary Body Contact Recreation	46, 108, 136, 140		
Escherichia coli	Primary Body Contact Recreation	46, 108, 136, 140		
OK720510000275_00	**Corrumpa Creek**	**12.94 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Ammonia (Un-ionized)	FWP - Warm Water Aquatic Community	156, 140		
Enterococcus	Primary Body Contact Recreation	156, 140		
Escherichia coli	Primary Body Contact Recreation	156, 140		
Fecal Coliform	Primary Body Contact Recreation	156, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	156, 140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID	Waterbody Name	Waterbody Size	Category	TMDL Date
OK720900000010_00	**Cimarron River**	**46.82 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	156, 140		
OK720900000100_00	**Cold Springs Creek**	**29.19 MILES**	**5a**	**2013**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 108, 136, 140		
OK720900000180_00	**Cimarron River**	**19.24 MILES**	**5a**	**2010**
Cause of Impairment	Impaired Use	Potential Sources		
Escherichia coli	Primary Body Contact Recreation	156, 140		
Fecal Coliform	Primary Body Contact Recreation	156, 140		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	46, 87, 92, 108, 136, 140		
Enterococcus	Primary Body Contact Recreation	156, 140		
OK720900000200_00	**Carrizo Creek, South**	**19.55 MILES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Oxygen, Dissolved	FWP - Warm Water Aquatic Community	140		
OK720900000240_00	**Carl Etling Lake**	**159.00 ACRES**	**5a**	**2016**
Cause of Impairment	Impaired Use	Potential Sources		
Turbidity	FWP - Warm Water Aquatic Community	140		
pH	FWP - Warm Water Aquatic Community	140		

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Waterbody ID | Waterbody Name | Waterbody Size | Category | TMDL Date

Legend of Potential Sources

Source ID	Source Description
2	Acid Mine Drainage
4	Animal Feeding Operations (NPS)
8	Atmospheric Depositon - Acidity
16	Cercla NPL (Superfund) Sites
21	Clean Sediments
33	Discharges from Biosolids (SLUDGE) Storage, Application or Disposal
34	Discharges from Municipal Separate Storm Sewer Systems (MS4)
38	Dredging (E.g., for Navigation Channels)
46	Grazing in Riparian or Shoreline Zones
49	Highway/Road/Bridge Runoff (Non-construction Related)
56	Impacts from Abandoned Mine Lands (Inactive)
59	Impacts from Land Application of Wastes
62	Industrial Point Source Discharge
68	Land Application of Wastewater Biosolids (Non-agricultural)
69	Landfills
70	Leaking Underground Storage Tanks
82	Mine Tailings
84	Municipal (Urbanized High Density Area)
85	Municipal Point Source Discharges
87	Non-irrigated Crop Production
92	On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
97	Other Spill Related Impacts
100	Permitted Runoff from Confined Animal Feeding Operations (CAFOs)
102	Petroleum/natural Gas Activities
108	Rangeland Grazing
110	Releases from Waste Sites or Dumps
111	Residential Districts
119	Silviculture Harvesting
124	Spills from Trucks or Trains
127	Surface Mining
128	Total Retention Domestic Sewage Lagoons
133	Wastes from Pets
136	Wildlife Other than Waterfowl
140	Source Unknown
146	Sources Outside State Juristiction or Borders
155	Natural Sources
156	Agriculture

Cause Name* - Indicates new cause listing for 2008

Waterbody ID* & NEW - Indicate new waterbody listing for 2008

Prioritization of TMDL Development

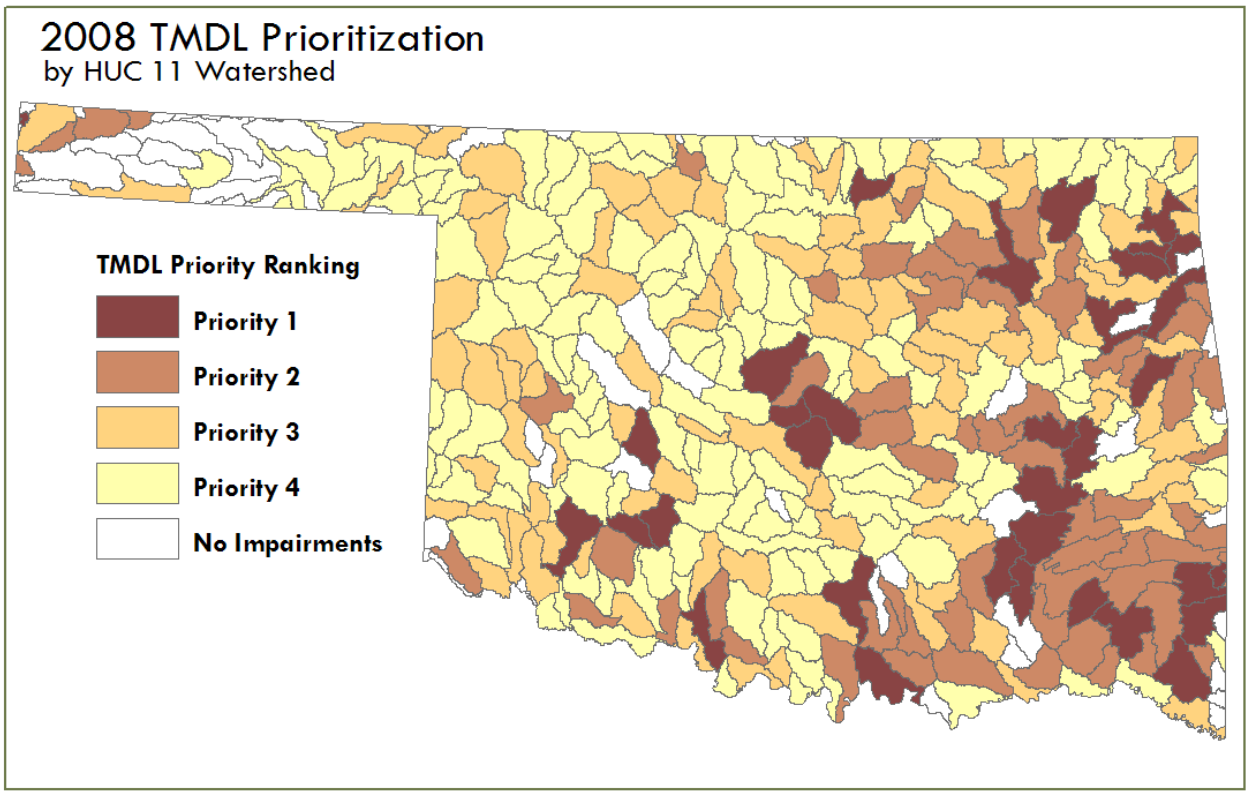
A priority ranking for TMDL development has been established for each impaired HUC 11 watershed in the state using the procedure outlined in the 2006 Continuing Planning Process (pp. 205-206). The TMDL prioritization point totals calculated for each watershed were broken down into the following four priority levels:

Priority 1 watersheds - above the 90th percentile (34 watersheds)
Priority 2 watersheds - 70th to 90th percentile (62 watersheds)
Priority 3 watersheds - 40th to 70th percentile (100 watersheds)
Priority 4 watersheds - below the 40th percentile (144 watersheds)

Each waterbody on the 2008 303(d) list has been assigned a potential date of TMDL development based on the priority level for the corresponding HUC 11 watershed.

Priority 1 watersheds are targeted for TMDL development within the next two years.

62 HUC11 watersheds contained no impaired waterbodies and were not included in the prioritization process.



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Appendix D - 2008 Oklahoma 303(d) Delisting Justifications

Waterbody ID	Waterbody Name	Listing Cause	Delisting Justification	TMDL ID (if completed)
OK120400010130_00	Greenleaf Lake	Color	WQS attained; Long-term average of 27 does not exceed 70 Platinum-Cobalt true color units	
OK120400020030_00	Dirty Creek, South Fork	Oil & Grease	WQS attained; no observed oil and grease from April 2002-Feb 2007	
OK120420020010_00	Polecat Creek	E. coli	WQS attained; recent data shows 0 of 11 samples exceeded standards	
OK120420020130_00	Sahoma Lake	Color	WQS attained; Long-term average of 67 does not exceed 70 Platinum-Cobalt true color units	
OK121300010150_00	Delaware Creek	E. coli	WQS attained; geometric mean of 91.8 does not exceed criterion	
OK121300020190_00	Waxhoma Lake	Color	WQS attained; Long-term average of 35 does not exceed 70 Platinum-Cobalt true color units	
OK121300020190_00	Waxhoma Lake	Enterococcus	WQS attained; 6 of the 24 values exceeded the screening level of 61 but the geometeric mean criterion was not exceeded	
OK121300020190_00	Waxhoma Lake	Turbidity	WQS attained; Only 7% of turbidity values exceed the criterion of 25 NTU	
OK121300030040_00	Birch Lake	Color	WQS attained; Long-term average of 60 does not exceed 70 Platinum-Cobalt true color units	
OK121300030300_00	Bluestem Lake	Color	WQS attained; Long-term average of 31 does not exceed 70 Platinum-Cobalt true color units	
OK121300040010_00	Hominy Creek	E.coli	WQS attained; geometric mean of 68.8 does not exceed the criterion required for support, no sample exceeds 406 cfu/100mL	
OK121300040010_00	Hominy Creek	pH	WQS attained; only 2 of 21 samples (9.5%) out of range	
OK121400010270_00	Curl Creek	E.coli	WQS attained; geometric mean of 118 does not exceed the criterion required for support	
OK121400020090_00	Hudson Lake	Color	WQS attained; Long-term average of 28 does not exceed 70 Platinum-Cobalt true color units	
OK121400020140_00	Little Caney River	Enterococcus	WQS attained; 0 of 12 samples exceeds the screening level of 406 col/100ml	

Waterbody ID	Waterbody Name	Listing Cause	Delisting Justification	TMDL ID (if completed)
OK121400020190_00	Mission Creek	E. coli	WQS attained; geometric mean of 89.5 does not exceed criterion	
OK121400030020_00	Hulah Lake	Color	WQS attained; Long-term average of 48 does not exceed 70 Platinum-Cobalt true color units	
OK121400030170_00	Buck Creek	E. coli	WQS attained; geometric mean of 52.6 does not exceed criterion	
OK121400050020_00	Copan Lake	Color	WQS attained; Long-term average of 62 does not exceed 70 Platinum-Cobalt true color units	
OK121500020090_00	Bull Creek	Sulfates	WQS attained; no sample exceeds 250 mg/L	
OK121500020090_00	Bull Creek	pH	WQS attained; only 1of 21 samples (4.8%) out of range	
OK121500020360_00	Dog Creek	Dissolved Oxygen	TMDL Completed	31658
OK121500020360_00	Dog Creek	pH	WQS attained; only 1 of 19 samples (5.3%) out of range	
OK121500020390_00	Cat Creek	Dissolved Oxygen	TMDL Completed	31657
OK121500030010_00	Verdigris River	Lead	WQS attained; 1 of 11 samples (9%) exceed site specific criteria	
OK121500030010_00	Verdigris River	Turbidity	WQS attained; only 2 of 28 (7%) samples exceed the criterion of 50 NTU	
OK121510020050_00	California Creek	Turbidity	WQS attained; only 1out of 16 (6.3%) samples exceeds the criterion of 50 NTU	
OK121510030010_00	Big Creek	E. coli	WQS attained; geometric mean of 113.6 does not exceed criterion	
OK121600010060_00	Ranger Creek	E. coli	WQS attained; geometric mean of 46.8 does not exceed criterion	
OK121600010100_00	Fourteenmile Creek	Enterococcus	WQS attained; 0 of 12 samples exceeds the screening level of 406 cfu/100mL	
OK121600010100_00	Fourteenmile Creek	E. coli	WQS attained; geometric mean of 79.8 does not exceed criterion	

Waterbody ID	Waterbody Name	Listing Cause	Delisting Justification	TMDL ID (if completed)
OK121600030020_00	Grand Lake O' The Cherokees, Lower	Turbidity	WQS attained; only 8% of values exceed 25 NTU	
OK121600030040_00	Grand Lake O' The Cherokees, Upper	Color	WQS attained; Only 8% of true color values exceed 70 Platinum-Cobalt true color units	
OK121600030190_00	Little Horse Creek	E. coli	WQS attained; geometric mean of 84.4 does not exceed criterion	
OK121600030340_00	Cave Springs Branch	Dissolved Oxygen	WQS attained; 130 of 132 samples meet criteria for DO	
OK121600030440_00	Elk River	Enterococcus	WQS attained; no samples exceed the screening criterion of 406 cfu/100mL	
OK121600030510_00	Sycamore Creek	E. coli	WQS attained; none of 12 samples exceeds the screening level of 126 cfu/100mL; geometric mean of 35.8 meets criteria required for support	
OK121600060220_00	Big Cabin Creek	pH	WQS attained; 0 of 22 samples out of range	
OK121610000050_10	Pryor Creek	pH	WQS attained; only 1 of 20 samples (5%) out of range	
OK220100010050_00	New Spiro Lake	Color	WQS attained; Long-term average of 31 does not exceed 70 Platinum-Cobalt true color units	
OK220100020010_10	Poteau River	pH	WQS attained; only 4 of 44 samples (9%) out of range	
OK220100030010_00	Brazil Creek	Dissolved Oxygen	WQS attained; only 2 of 21 (9.5%) samples below screening level	
OK220100040150_00	Wayne Wallace Lake	Color	WQS attained; Long-term average of 64 does not exceed 70 Platinum-Cobalt true color units	
OK220200010010_00	Arkansas River	Enterococcus	WQS attained; geometric mean of 31 does not exceed criterion	
OK220200020020_00	Robert S. Kerr Lake	Color	WQS attained; Long-term average of 43 does not exceed 70 Platinum-Cobalt true color units	
OK220200030120_00	Stilwell City Lake	Turbidity	WQS attained; only 8% of values exceed 25 NTU	
OK220600010020_00	Eufaula Lake	Color	WQS attained; Only 9% of true color values exceed 70 Platinum-Cobalt true color unit	

Waterbody ID	Waterbody Name	Listing Cause	Delisting Justification	TMDL ID (if completed)
OK220600050060_00	Mud Creek	Dissolved Oxygen	TMDL Completed	831
OK310800010240_00	Oil Creek	Fecal Coliform	TMDL Completed	33273
OK310800020010_00	Washita River	Enterococcus	TMDL Completed	33274
OK310800020010_00	Washita River	Fecal Coliform	TMDL Completed	33274
OK310800020040_00	Sand Branch	Fecal Coliform	TMDL Completed	33275
OK310800020190_00	Chigley Sandy Creek	Enterococcus	TMDL Completed	33276
OK310800020190_00	Chigley Sandy Creek	E. coli	TMDL Completed	33276
OK310800020190_00	Chigley Sandy Creek	Fecal Coliform	TMDL Completed	33276
OK310800030380_00	Caddo Creek, North Branch	TDS	Change in WQS; 18 samples, no sample exceeded criteria	
OK310810010010_10	Washita River	Enterococcus	TMDL Completed	33277
OK310810010010_10	Washita River	Fecal Coliform	TMDL Completed	33277
OK310810010090_00	Rush Creek	Chloride	WQS attained; 0 of 12 samples exceed Chloride criteria	
OK310810010090_00	Rush Creek	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310810020020_00	Finn Creek	Turbidity	WQS attained; only 1of 16 samples (6.3%) exceed the criterion of 50 NTU	
OK310810020170_00	Roaring Creek	Enterococcus	TMDL Completed	33279
OK310810020170_00	Roaring Creek	E. coli	TMDL Completed	33279

Waterbody ID	Waterbody Name	Listing Cause	Delisting Justification	TMDL ID (if completed)
OK310810020170_00	Roaring Creek	Fecal Coliform	TMDL Completed	33279
OK310810020200_00	Laflin Creek	Enterococcus	TMDL Completed	33280
OK310810020200_00	Laflin Creek	E. coli	TMDL Completed	33280
OK310810020200_00	Laflin Creek	Fecal Coliform	TMDL Completed	33280
OK310810020260_00	Stealy Creek!	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310810030010_00	Wildhorse Creek	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310810030080_00	Salt Creek	Turbidity	WQS attained; none of 16 samples exceed the criterion of 50 NTU	
OK310810030120_00	Sandy Bear Creek	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310810030135_00	Pernell School Creek!	Sulfates	WQS attained; only 1 of 11 samples exceeds criterion	
OK310810030135_00	Pernell School Creek!	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310810030140_00	N. Pernell Creek, North	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310810030180_00	Sandy Bear Creek, West Fork!	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310810030250_00	Countyline Creek Trib 3!	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310810030260_00	Wildhorse Creek Trib B!	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310810030270_00	Wildhorse Creek Trib A!	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310810040010_00	Wildhorse Creek	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	

Waterbody ID	Waterbody Name	Listing Cause	Delisting Justification	TMDL ID (if completed)
OK310810040015_00	West County Line Creek	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310810040030_00	Black Bear Creek	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310810040050_00	Fuqua Lake	Enterococcus	WQS attained; 8 of the values exceeded the screening level of 61 but the geometeric mean was not exceeded	
OK310810040060_00	Bluff Creek	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310810040120_00	Clear Creek Lake	Enterococcus	WQS attained; 5 of the 22 values exceeded the screening level of 61 but the geometeric mean was not exceeded	
OK310810040170_00	Owens Creek	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310810040180_00	West County Line Creek Trib.!	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310810040190_00	Panther Creek E. Alma Branch!	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310810040200_00	Black Bear Trib 10!	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310810040210_00	Black Bear Trib 27-1N-4W!	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310810040220_00	Black Bear Trib 6-1N-4W!	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310810040230_00	Northwest Alma Creek	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310810040250_00	Velma Creek!	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310810040270_00	Passmore Cemetery Creek!	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310810040280_00	Passmore Cemetery Creek Trib B!	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310810040300_00	Wildhorse Creek Trib 31-1N-5W!	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	

Waterbody ID	Waterbody Name	Listing Cause	Delisting Justification	TMDL ID (if completed)
OK310810050010_00	Rush Creek	Chloride	Change in WQS; 42 of 43 samples meet revised water quality standards for this watershed	
OK310810050010_00	Rush Creek	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310820010030_00	Bitter Creek	Enterococcus	TMDL Completed	33281
OK310820010030_00	Bitter Creek	E. coli	TMDL Completed	33281
OK310820010030_00	Bitter Creek	Fecal Coliform	TMDL Completed	33281
OK310820010160_00	Ionine Creek	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310820010170_00	Jack Hollow Creek	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310820010230_00	Jack Hollow Creek, Trib A!	Sulfates	Originally listed in error; no current or historical sulfate criteria exist for this watershed	
OK310820010230_00	Jack Hollow Trib A	TDS	Originally listed in error; no TDS criteria exist for this watershed	
OK310820020020_00	Rock Creek	Sulfates	Originally listed in error; no current or historical sulfate criteria exist for this watershed	
OK310820020020_00	Rock Creek	TDS	Originally listed in error; no TDS criteria exist for this watershed	
OK310820020070_00	Louis Burtschi Lake	Enterococcus	WQS attained 5 of the 24 values exceeded the screening level of 61 but the geometeric mean was not exceeded	
OK310820020070_00	Louis Burtschi Lake	Dissolved Oxygen	WQS attained; DO has not been below the criterion (50% of the water column <2) from 1998 to the present	
OK310820020090_00	Little Rush Creek	Sulfates	Originally listed in error; insufficient information available to make assessment (9 samples) and no sample exceeds sulfate criteria	
OK310820020090_00	Little Rush Creek	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310820020110_00	McCarty Creek	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	

Waterbody ID	Waterbody Name	Listing Cause	Delisting Justification	TMDL ID (if completed)
OK310820020140_00	Allen's Lake	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK310830010010_00	Washita River	Enterococcus	TMDL Completed	33282
OK310830010010_00	Washita River	Fecal Coliform	TMDL Completed	33282
OK310830020060_10	Rainy Mountain Creek	TDS	WQS attained; mean of 1698.4 is below App.F mean criteria and only 2 of 20 (10%) samples exceed App. F criteria	
OK310830030010_00	Washita River	Enterococcus	TMDL Completed	33283
OK310830030010_00	Washita River	E. coli	TMDL Completed	33283
OK310830030010_00	Washita River	Fecal Coliform	TMDL Completed	33283
OK310830030010_10	Washita River	Enterococcus	Error in original listing; this segment has not been assessed for pathogens	
OK310830030010_10	Washita River	E. coli	Originally listed in error; this segment has not been assessed for pathogens	
OK310830030010_10	Washita River	Fishes Bioassessment	Originally listed in error; a fishes bioassessment has not been performed on this segment	
OK310830030010_10	Washita River	Fecal Coliform	Error in original listing; this segment has not been assessed for pathogens	
OK310830030010_10	Washita River	Turbidity	Originally listed in error; this segment has not been assessed for turbidity	
OK310830030280_00	Clinton Lake	Color	WQS attained; Long-term average of 40 does not exceed 70 Platinum-Cobalt true color units	
OK310830050010_00	Sugar Creek	Chloride	WQS attained; mean of 123.59 is below App.F mean criteria; 1out of 20 (5%) samples exceeds App. F criteria	
OK310830060020_00	Fort Cobb Lake	Chlorophyll-a	TMDL Completed; covered covered Fort Cobb Lake TMDL for Total Phosphorus	23066
OK310830060020_00	Fort Cobb Lake	Total Phosphorus	TMDL Completed	23066

Waterbody ID	Waterbody Name	Listing Cause	Delisting Justification	TMDL ID (if completed)
OK310830060030_00	Willow Creek	Enterococcus	TMDL Completed	33285
OK310830060030_00	Willow Creek	E. coli	TMDL Completed	33285
OK310830060030_00	Willow Creek	Fecal Coliform	TMDL Completed	33285
OK310830060040_00	Lake Creek	Selenium	Originally listed in error; not enough information to make an assessment - only one sample failed to meet acute Selenium criterion	
OK310830060040_00	Lake Creek	Cause Unknown	WQS attained; "Cause Unknown" has been removed based on most recent fish assessments which provided a supporting IBI score	
OK310840010010_00	Washita River	Enterococcus	TMDL Completed	33286
OK310840010010_00	Washita River	E. coli	TMDL Completed	33286
OK310840010010_00	Washita River	Fecal Coliform	TMDL Completed	33286
OK310840010010_10	Washita River	Enterococcus	WBID changed to OK310840010010_00 for this segment; cause is now associated with new WBID	
OK310840010010_10	Washita River	Fecal Coliform	WBID changed to OK310840010010_00 for this segment	
OK310840010010_10	Washita River	Turbidity	WBID changed to OK310840010010_00 for this segment; cause is now associated with new WBID	
OK310840010060_00	Quartermaster Creek	Enterococcus	TMDL Completed	33278
OK310840010060_00	Quartermaster Creek	E. coli	TMDL Completed	33278
OK310840010060_00	Quartermaster Creek	Fecal Coliform	TMDL Completed	33278
OK310840020020_00	Sandstone Creek	Sulfates	WQS attained; mean of 935.6 is below App.F mean criteria; none of 20 samples exceed App. F criteria	
OK311100030010_00	Walnut Bayou	Dissolved Oxygen	WQS attained; recent data indicates 0 of 21 samples below screening level	

Waterbody ID	Waterbody Name	Listing Cause	Delisting Justification	TMDL ID (if completed)
OK311100040010_00	Mud Creek	Enterococcus	TMDL Completed	33287
OK311100040010_00	Mud Creek	Fecal Coliform	TMDL Completed	33287
OK311100040080_00	Mud Creek, Lower West	Enterococcus	TMDL Completed	33288
OK311100040080_00	Mud Creek, Lower West	E. coli	TMDL Completed	33288
OK311100040080_00	Mud Creek, Lower West	Fecal Coliform	TMDL Completed	33288
OK311100040170_00	Comanche Lake	Color	WQS attained; Long-term average of 19 does not exceed 70 Platinum-Cobalt true color units	
OK311200000060_00	Cow Creek	Enterococcus	TMDL Completed	33289
OK311200000060_00	Cow Creek	E. coli	TMDL Completed	33289
OK311200000060_00	Cow Creek	Sulfates	WQS attained; mean of 90.7 is below App.F mean criteria; none of 26 samples exceed App. F criteria	
OK311210000010_00	Beaver Creek	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK311210000030_00	Walker Creek	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK311210000050_00	Little Beaver Creek	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK311210000060_00	Stage Stand Creek	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK311210000080_00	Hell Creek	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK311210000140_00	Whisky Creek	Enterococcus	TMDL Completed	33290
OK311210000140_00	Whisky Creek	E. coli	TMDL Completed	33290

Waterbody ID	Waterbody Name	Listing Cause	Delisting Justification	TMDL ID (if completed)
OK311210000150_00	Cottonwood Creek	Enterococcus	TMDL Completed	33291
OK311210000150_00	Cottonwood Creek	E. coli	TMDL Completed	33291
OK311210000150_00	Cottonwood Creek	Fecal Coliform	TMDL Completed	33291
OK311300010020_00	Cache Creek, East	Enterococcus	TMDL Completed	33292
OK311300010020_00	Cache Creek, East	E. coli	TMDL Completed	33292
OK311300010020_00	Cache Creek, East	Fecal Coliform	TMDL Completed	33292
OK311300010020_10	East Cache Creek	Enterococcus	TMDL Completed; TMDL for East Cache Creek (OK311300010020_00) also applies to this segment	33292
OK311300010020_10	East Cache Creek	E. coli	WQS attained; geometric mean of 113.2 does not exceed criterion	
OK311300010020_10	East Cache Creek	Fecal Coliform	TMDL Completed; TMDL for East Cache Creek (OK311300010020_00) also applies to this segment	33292
OK311300030070_00	Tahoe Creek	E. coli	TMDL Completed	33293
OK311310010010_00	Red River	Enterococcus	TMDL Completed	33294
OK311310010010_00	Red River	Fecal Coliform	TMDL Completed	33294
OK311310020010_00	Cache Creek, West	Enterococcus	TMDL Completed	33295
OK311310020010_00	Cache Creek, West	E. coli	TMDL Completed	33295
OK311310020010_00	Cache Creek, West	Fecal Coliform	TMDL Completed	33295
OK311310030050_00	Brush Creek	Enterococcus	TMDL Completed	33296

Waterbody ID	Waterbody Name	Listing Cause	Delisting Justification	TMDL ID (if completed)
OK311310030050_00	Brush Creek	E. coli	TMDL Completed	33296
OK311310030050_00	Brush Creek	Fecal Coliform	TMDL Completed	33296
OK311500010080_00	Otter Creek	TDS	WQS attained; mean of 1128.2 is below App.F mean criteria; none of 20 samples exceed App. F criteria	
OK311500010110_00	Tepee Creek	Fishes Bioassessment	Originallly listed in error; Listed in 2006 in error--it is "undetermined" based on fishes bioassessment	
OK311500010110_00	Tepee Creek	Oil & Grease	WQS attained; no observed oil and grease from April 2002-Feb 2007	
OK311500030040_00	Little Elk Creek	E. coli	WQS attained; only 1 of 10 (10%) samples exceeds the screening criteria of 406 cfu/100ml; geometric mean of 103.5 does not exceed criterion	
OK311500030040_00	Little Elk Creek	Oil & Grease	WQS attained; no observed oil and grease from April 2002-Feb 2007	
OK311500030040_00	Little Elk Creek	Dissolved Oxygen	WQS attained; recent data indicates 0 of 21 samples below the WWAC criteria	
OK311500030120_00	Elk City Lake	Enterococcus	WQS attained; 7 of the 24 values exceeded the screening level of 61 but the geometeric mean was not exceeded	
OK311600010040_00	Sandy Creek (Lebos)	E. coli	WQS attained; geometric mean of 75.1 does not exceed criterion	
OK311600010040_00	Sandy Creek (Lebos)	Fecal Coliform	WQS attained; geometric mean of 540 meets criteria required for support	
OK311600020010_00	Salt Fork of the Red River	Chloride	WQS attained; mean of 452 is below App.F mean criteria; 4 of 91 (4%) of samples exceed App. F criteria	
OK311800000060_00	Station Creek	Sulfates	WQS attained; mean of 1758.4 is below App.F mean criteria; none of 20 samples exceed App. F criteria	
OK311800000130_00	Fish Creek	Dissolved Oxygen	WQS attained; recent data indicates 1out of 21 (4.8%) samples below screening level	
OK311800000130_00	Fish Creek	Turbidity	WQS attained; none of 17 samples exceed the criterion of 50 NTU	
OK410100010456_00	Millerton Trib!	Dissolved Oxygen	TMDL Completed	20026

Waterbody ID	Waterbody Name	Listing Cause	Delisting Justification	TMDL ID (if completed)
OK410210020140_00	Little River	Enterococcus	TMDL Completed	33303
OK410210040010_10	Little River, Mountain Fork	Enterococcus	TMDL Completed	33305
OK410210080010_00	Glover River	Enterococcus	WQS attained; none of 37 samples exceed the screening criteria of 406 cfu/100ml; geometric mean does not exceed criterion	
OK410300010010_00	Kiamichi River	Turbidity	WQS attained; only 3 of 34 samples (9%) exceed the criterion of 50 NTU	
OK410300020220_00	Ozzie Cobb Lake	Color	WQS attained; Long-term average of 65 does not exceed 70 Platinum-Cobalt true color units	
OK410300030010_10	Kiamichi River	Enterococcus	TMDL Completed	33307
OK410300030210_00	Dumpling Creek	Fecal Coliform	TMDL Completed	33308
OK410300030270_00	Tenmile Creek	Enterococcus	TMDL Completed	33309
OK410300030270_00	Tenmile Creek	Fecal Coliform	TMDL Completed	33309
OK410310010010_00	Kiamichi River	Copper	WQS attained; Only 1 of 16 samples (6%) exceeds site specific criteria	
OK410310010070_00	Dry Creek	Fecal Coliform	TMDL Completed	33310
OK410310030020_00	Sardis Lake	Color	WQS attained; Long-term average of 49 does not exceed 70 Platinum-Cobalt true color units	
OK410310030090_00	Bolen Creek	Fecal Coliform	TMDL Completed	33311
OK410400010010_20	Red River	Enterococcus	TMDL Completed	33297
OK410400010070_00	Muddy Boggy Creek	Enterococcus	TMDL Completed	33298
OK410400010070_00	Muddy Boggy Creek	Fecal Coliform	WQS attained; geometric mean of 89.4 meets criteria required for support (a TMDL has also been completed for Fecal Coliform)	33298

Waterbody ID	Waterbody Name	Listing Cause	Delisting Justification	TMDL ID (if completed)
OK410400030010_00	Clear Boggy Creek	Enterococcus	TMDL Completed	33299
OK410400030010_00	Clear Boggy Creek	Fecal Coliform	WQS attained; geometric mean of 115 meets criteria required for support (a TMDL has also completed for Enterococcus)	33299
OK410400050270_10	Muddy Boggy Creek	Enterococcus	TMDL Completed	33300
OK410400050270_10	Muddy Boggy Creek	Fecal Coliform	TMDL Completed	33300
OK410600010010_00	Blue River	Enterococcus	TMDL Completed	33301
OK410600010010_00	Blue River	Fecal Coliform	TMDL Completed	33301
OK410700000040_00	Island Bayou	Chloride	Originally listed in error; no current or historical chloride criteria exist for this watershed	
OK410700000040_00	Island Bayou	Sulfates	Originally listed in error; no current or historical sulfate criteria exist for this watershed	
OK410700000040_00	Island Bayou	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK410700000230_00	Eastman Creek	Fecal Coliform	TMDL Completed	33302
OK520500010020_00	Eufaula Lake, N. Canadian River Arm	Color	WQS attained; Long-term average of 58 does not exceed 70 Platinum-Cobalt true color units	
OK520500010110_00	Canadian River, North	Enterococcus	Error in original listing; this segment is located in Lake Eufaula and has been deleted from the assessment database; this cause is now associated with	
OK520500010110_00	Canadian River, North	Lead	Error in original listing; this segment is located in Lake Eufaula and has been deleted from the assessment database; this cause is now associated with	
OK520500010110_00	Canadian River, North	Fecal Coliform	Error in original listing; this segment is located in Lake Eufaula and has been deleted from the assessment database; this cause is now associated with	
OK520500010110_00	Canadian River, North	Turbidity	Error in original listing; this segment is located in Lake Eufaula and has been deleted from the assessment database; this cause is now associated with	
OK520500010170_00	Bad Creek	Turbidity	WQS attained; only 1 of 15 samples (6.7%) exceeds the criterion of 50 NTU	

Waterbody ID	Waterbody Name	Listing Cause	Delisting Justification	TMDL ID (if completed)
OK520500010200_00	Alabama Creek	Turbidity	WQS attained; only 1 of 16 samples (6.3%) exceeds the criterion of 50 NTU	
OK520500020190_00	Wewoka Lake	Dissolved Oxygen	WQS attained; From 1997-2007 the percent of the water column less than 2.0 mg/L was never greater than 50%	
OK520500020220_00	Sportsman Lake	Color	WQS attained; Long-term average of 51 does not exceed 70 Platinum-Cobalt true color units	
OK520510000010_00	North Canadian River	Fecal Coliform	WQS attained; geometric mean of 134.2 meets criteria required for support	
OK520510000040_00	Okemah Creek	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK520510000050_00	Sand Creek	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK520510000095_00	Turkey Creek, Trib A!	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK520510000100_00	Turkey Creek	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK520510000105_00	Earlsboro Creek	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK520510000110_00	Canadian River, North	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK520510000110_05	Canadian River, North	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	
OK520510000280_00	Shawnee Twin Lake #1(South)	Color	WQS attained; Only 7% of true color values exceed 70 Platinum-Cobalt true color unit	
OK520510000280_00	Shawnee Twin Lake #1(South)	Turbidity	WQS attained; only 10% of values are > 25 NTU	
OK520510000300_00	Shawnee Twin Lake #2 (North)	Color	WQS attained; Long-term average of 33 does not exceed 70 Platinum-Cobalt true color units	
OK520520000010_00	Canadian River, North	Turbidity	WQS attained; only 2 of 26 (8%) samples exceed the criterion of 50 NTU	
OK520520000010_20	Canadian River, North	Dissolved Oxygen	WQS attained; recent data indicates 64 of 64 samples meet criteria	

Waterbody ID	Waterbody Name	Listing Cause	Delisting Justification	TMDL ID (if completed)
OK520520000010_20	Canadian River, North	Turbidity	WQS attained; only 2 of 29 samples exceed 50 NTU	
OK520520000260_00	Overholser Lake	Color	WQS attained; Long-term average of 60 does not exceed 70 Platinum-Cobalt true color units	
OK520530000010_10	North Canadian River	Enterococcus	WQS attained; geometric mean of 31 meets criteria required for support (TMDL also completed)	33888
OK520530000010_10	Canadian River, North	E. coli	TMDL Completed	33888
OK520530000010_10	Canadian River, North	Fecal Coliform	TMDL Completed	33888
OK520530000030_00	Shell Creek	Enterococcus	TMDL Completed	33889
OK520530000030_00	Shell Creek	E. coli	TMDL Completed	33889
OK520530000030_00	Shell Creek	Fecal Coliform	TMDL Completed	33889
OK520530000080_00	El Reno Lake	Color	WQS attained; Only 8% of true color values exceed 70 Platinum-Cobalt true color units	
OK520600010010_00	Canadian River	TDS	WQS attained; mean of 701 is below App.F mean criteria; none of 48 samples exceed App. F criteria	
OK520610020120_00	Buggy Creek	Enterococcus	Recent data; 0 of 12 samples exceeds the screening criterion of 406 cfu/100ml	
OK520610020120_00	Buggy Creek	Sulfates	WQS attained; mean of 371.4 is below App.F mean criteria; 2 out of 26 samples (8%) exceed App. F criteria	
OK520620010010_00	Canadian River	Fecal Coliform	TMDL Completed	30709
OK520620010120_00	Bear Creek	Enterococcus	TMDL Completed	30710
OK520620010120_00	Bear Creek	E. coli	TMDL Completed	30710
OK520620010120_00	Bear Creek	Fecal Coliform	TMDL Completed	30710

Waterbody ID	Waterbody Name	Listing Cause	Delisting Justification	TMDL ID (if completed)
OK520620020010_00	Canadian River	Enterococcus	TMDL Completed	30714
OK520620020010_00	Canadian River	Turbidity	WQS attained; 0 of 27 samples exceed the criterion of 50 NTU	
OK520620020090_00	Trail Creek	Enterococcus	TMDL Completed	30717
OK520620020090_00	Trail Creek	E. coli	TMDL Completed	30717
OK520620020090_00	Trail Creek	Fecal Coliform	TMDL Completed	30717
OK520620030020_00	Lone Creek	Enterococcus	TMDL Completed	30718
OK520620030020_00	Lone Creek	E. coli	TMDL Completed	30718
OK520620030050_00	Red Trail Creek	Enterococcus	TMDL Completed	30747
OK520620030050_00	Red Trail Creek	E. coli	TMDL Completed	30747
OK520620030050_00	Red Trail Creek	Fecal Coliform	TMDL Completed	30747
OK520620030110_00	Red Creek	Enterococcus	TMDL Completed	30757
OK520620030110_00	Red Creek	E. coli	TMDL Completed	30757
OK520620040050_00	Hackberry Creek	Enterococcus	TMDL Completed	30759
OK520620040050_00	Hackberry Creek	E. coli	TMDL Completed	30759
OK520620050160_00	Commission Creek	Enterococcus	TMDL Completed	30730
OK520620050160_00	Commission Creek	E. coli	WQS attained; only 1 out of 12 (8%) samples exceed the screening limit of 126 cfu/100ml; geometric mean of 93.2 does not exceed criterion	

Waterbody ID	Waterbody Name	Listing Cause	Delisting Justification	TMDL ID (if completed)
OK520620060010_00	Deer Creek	Enterococcus	TMDL Completed	30723
OK520620060010_00	Deer Creek	E. coli	WQS attained; geometric mean of 65 does not exceed criterion	
OK520700020040_00	Okmulgee Lake	Color	WQS attained; Long-term average of 48 does not exceed 70 Platinum-Cobalt true color units	
OK520700040370_00	Meeker Lake	Color	WQS attained; Long-term average of 45 does not exceed 70 Platinum-Cobalt true color units	
OK520800010010_00	Little River	Turbidity	WQS attained; only 3 of 30 samples (10%) exceed the criterion of 50 NTU	
OK520810000020_00	Thunderbird Lake	Color	WQS attained; Long-term average of 27 does not exceed 70 Platinum-Cobalt true color units	
OK520810000130_00	Stanley Draper Lake	Color	WQS attained; Long-term average of 34 does not exceed 70 Platinum-Cobalt true color units	
OK520810000175_00	Moore Creek	Chloride	Originally listed in error; no current or historical chloride criteria exist for this watershed	
OK620900010020_00	Keystone Lake, Cimarron River, Lower	Color	WQS attained; Long-term average of 32 does not exceed 70 Platinum-Cobalt true color units	
OK620900010090_00	Keystone Lake, Cimarron River, Upper	Color	WQS attained; Long-term average of 62 does not exceed 70 Platinum-Cobalt true color units	
OK620900010290_00	Euchee Creek	E. coli	WQS attained; only 1out of 11 samples (9%) exceeds the screening limit of 406 cfu/100ml; geometric mean of 117.6 does not exceed criterion	
OK620900040040_00	Stillwater Creek	Turbidity	WQS attained; only 3 of 31 samples (9.7%) exceed the criterion of 50 NTU	
OK620900040280_00	Carl Blackwell Lake	Color	WQS attained; Long-term average of 26 does not exceed 70 Platinum-Cobalt true color units	
OK620910010010_00	Cimarron River	Turbidity	WQS attained; only 3 of 37 samples (8%) exceed the criterion of 50 NTU	
OK620910020010_00	Cimarron River	Turbidity	WQS attained; only 2 of 35 samples (6%) exceed the criterion of 50 NTU	
OK620910020010_10	Cimarron River	Fecal Coliform	WQS attained; geometric mean of 142.7 meets criteria required for support	

Waterbody ID	Waterbody Name	Listing Cause	Delisting Justification	TMDL ID (if completed)
OK620910020010_10	Cimarron River	Turbidity	WQS attained; only 2 of 35 samples (6%) exceed the criterion of 50 NTU	
OK620910020310_00	Indian Creek	E. coli	WQS attained; geomean of 80.2 does not exceed criterion	
OK620910030240_00	Skeleton Creek	Enterococcus	Error in original listing; this waterbody is "Not Assessed", the monitoring station is located in OK620910030170_10.	
OK620910030240_00	Skeleton Creek	Nitrates	Error in original listing; this waterbody is "Not Assessed". Monitoring station is located in OK620910030170_10.	
OK620910030280_00	Cimarron River	Enterococcus	Error in WBID for 2006; Assessments have been moved to the correct WBID for this segment - OK6209100010010_00 (OK620910030280_00 has been	
OK620910030280_00	Cimarron River	Fecal Coliform	Error in WBID for 2006; Assessments have been moved to the correct WBID for this segment - OK6209100010010_00 (OK620910030280_00 has been	
OK620910030280_00	Cimarron River	Turbidity	Error in WBID for 2006; Assessments have been moved to the correct WBID for this segment - OK6209100010010_00 (OK620910030280_00 has been	
OK620910060010_00	Turkey Creek	Enterococcus	TMDL Completed	30704
OK620910060010_00	Turkey Creek	Fecal Coliform	TMDL Completed	30704
OK620910060010_00	Turkey Creek	Turbidity	WQS attained; none of 28 samples exceed the criterion of 50 NTU	
OK620910060020_00	Little Turkey Creek	E. coli	WQS attained; geomean of 107.4 does not exceed criterion	
OK620910060020_00	Little Turkey Creek	Dissolved Oxygen	WQS attained; none of 11 samples below screening level	
OK620910060020_00	Little Turkey Creek	Enterococcus	TMDL Completed	30706
OK620910060020_00	Little Turkey Creek	Fecal Coliform	TMDL Completed	30706
OK620910060020_00	Little Turkey Creek	Turbidity	WQS attained; only 1 of 10 (10%) samples exceed the criterion of 50 NTU	
OK620910060030_00	Buffalo Creek	Fecal Coliform	TMDL Completed	30707

Waterbody ID	Waterbody Name	Listing Cause	Delisting Justification	TMDL ID (if completed)
OK620910060030_00	Buffalo Creek	Turbidity	TMDL Completed	30707
OK620910060110_00	Clear Creek	Fecal Coliform	TMDL Completed	30705
OK620920010010_00	Cimarron River	Chloride	Error in original listing; segment has been supporting for chloride	
OK620920020080_00	Long Creek	E. coli	WQS attained; only 1 of 12 samples (8%) exceeds the screening level of 406 cfu/100ml; geomean of 112 does not exceed criterion	
OK620930000010_00	Cimarron River	Chloride	WQS attained; mean of 1155 is below App.F YMS criterion; none of 43 samples exceed App. F SS criterion	
OK620930000010_00	Cimarron River	E. coli	WQS attained; geometric mean of 71.9 does not exceed criterion	
OK620930000010_00	Cimarron River	TDS	WQS attained; mean of 2643 is below App.F mean criteria; none of 48 samples exceed App. F criteria	
OK620930000100_00	Crooked Creek	E. coli	WQS attained; geometric mean of 76.1 does not exceed criterion	
OK621000030050_00	Cattle Creek, West	TDS	Change in WQS; 11 samples on record and no sample exceeded revised water quality standards	
OK621010010010_00	Salt Fork of Arkansas River	Chloride	WQS attained; mean of 1288.4 is below App.F YMS criteria; none of 22 samples exceed App. F SS criteria	
OK621010010010_00	Salt Fork of Arkansas River	TDS	WQS attained; mean of 2851.6 is below App. F mean criteria; none of 22 samples exceed App. F criteria	
OK621010010020_00	Great Salt Plains Lake	Color	WQS attained; Long-term average of 40 does not exceed 70 Platinum-Cobalt true color units	
OK621010010090_00	Clay Creek	E. coli	WQS attained; geometric mean of 122.3 does not exceed criterion	
OK621010010090_00	Clay Creek	Sulfates	WQS attained; mean of 990.2 is below App.F mean criteria; none of 21 samples exceed App. F criteria	
OK621010010270_00	Yellowstone Creek	Sulfates	WQS attained; mean of 1630.8 is below App.F mean criteria; none of 22 samples exceed App. F criteria	
OK621010030030_00	Driftwood Creek	TDS	WQS attained; mean of 1510 is below App. F mean criteria; none of 22 samples exceed App. F criteria	

Waterbody ID	Waterbody Name	Listing Cause	Delisting Justification	TMDL ID (if completed)
OK621100000010_10	Chikaskia River	Cadmium	WQS attained; Only 2 of 22 (9.1%) samples exceed site specific citeria	
OK621200010020_00	Keystone Lake	Color	WQS attained; Long-term average of 40 does not exceed 70 Platinum-Cobalt true color units	
OK621200010050_00	Keystone Lake, Arkansas River Arm	Color	WQS attained; Long-term average of 67 does not exceed 70 Platinum-Cobalt true color units	
OK621200010270_00	Cleveland Lake	Color	WQS attained; Long-term average of 69 does not exceed 70 Platinum-Cobalt true color units	
OK621200040010_00	Salt Creek	E. coli	WQS attained; geometric mean of 98.7 does not exceed criterion	
OK621200040040_00	Fairfax lake	Color	WQS attained; Long-term average of 33 does not exceed 70 Platinum-Cobalt true color units	
OK621200040040_00	Fairfax lake	Turbidity	WQS attained; only 8% of turbidity values are above 25 NTU	
OK621210000010_00	Arkansas River	Enterococcus	Error in original listing; Assessment moved to OK621210000030_10 - Arkansas River	
OK621210000010_00	Arkansas River	Sulfates	Locational error in original assessment; Assessment moved to OK621210000030_10 - Arkansas River	
OK621210000010_00	Arkansas River	TDS	Locational error in original assessment; Assessment moved to OK621210000030_10 - Arkansas River	
OK621210000010_00	Arkansas River	Fecal Coliform	Locational error in original assessment; Assessment moved to Arkansas River segment -OK621210000030_10	
OK621210000010_00	Arkansas River	Turbidity	Locational error in original assessment; Assessment moved to Arkansas River segment -OK621210000030_10	
OK621210000020_00	Kaw Lake, Lower	Color	WQS attained; Long-term average of 64 does not exceed 70 Platinum-Cobalt true color units	
OK621210000040_00	Kaw Lake, Upper	Color	WQS attained; Long-term average of 48 does not exceed 70 Platinum-Cobalt true color units	
OK720500020130_00	Kiowa Creek	E. coli	WQS attained; geometric mean of 114.4 does not exceed criterion	
OK720500020500_10	Palo Duro Creek	E. coli	WQS attained; geometric mean of 101.1 does not exceed criterion	

Waterbody ID	Waterbody Name	Listing Cause	Delisting Justification	TMDL ID (if completed)
OK720500030020_00	Fort Supply Lake	Color	WQS attained; Long-term average of 41 does not exceed 70 Platinum-Cobalt true color units	
OK720900000180_00	Cimarron River	Sulfates	Originally listed in error; no current or historical sulfate criteria exist for this watershed	
OK720900000240_00	Carl Etling Lake	Sulfates	Originally listed in error; no current or historical sulfate criteria exist for this watershed	
OK720900000240_00	Carl Etling Lake	TDS	Originally listed in error; no current or historical TDS criteria exist for this watershed	

Appendix E – Response to Public Comments

Comments were received from:

(a) The City of Oklahoma City, Public Works Department (OKC)
(b) Oklahoma Ordnance Works Authority (OOWA)
(c) Oklahoma Farm Bureau (OFB)
(d) AES Shady Point, LLC (AES)
(e) Andrew Jorgensen, resident of Tahlequah, OK
(f) Ruth Williams, resident of Oklahoma City, OK
(g) C.K. West, resident of Choctaw, OK
(h) Douglas Evans, P.E., resident of Grove, OK
(i) David Ezell, resident of Elgin, OK
(j) Victoria Gonzalez, resident of Blanchard, OK - Comment received during the public meeting of June 19, 2008.

This key is used in the summary of comments below to identify the commenter. DEQ responses to comments are indicated in *italics.*

1. (OKC) Shell Creek, WBID OK520530000030_00 is listed in Appendix B as not supporting the Primary Body Contact Recreation beneficial use, however a source and cause is not listed in Appendix C for Primary Body Contact Recreation impairment. We request that you clarify this listing.

   DEQ Response: Shell Creek (OK520530000030_00) is correctly listed as "Not Supporting" the Primary Body Contact Recreation (PBCR) beneficial use. However, the pathogen causes associated with PBCR are not listed in Appendix C for this waterbody since a TMDL (EPA ID# 33889) has already been completed for these causes (enterococcus, E. coli, and fecal coliform). Shell Creek is not included on the 303(d) list (Appendix C) for impairment by bacteria since the TMDL is already completed. No changes were made as a result of this comment.

2. (OKC) Cow Creek, WBID OK520610010230_00. Currently, this is one large WBID segment. Oklahoma City (OKC) has two (2) monitoring locations on Cow Creek. OKC's upstream data supports a listing for low dissolved oxygen levels, however, the downstream monitoring location is fully supporting with regard to dissolved oxygen criteria. OKC feels that this listing for dissolved oxygen is not appropriate for the entire (current) stream reach. We request that ODEQ consider adding an additional WBID segment at or near the confluence of Cow Creek Tributary 2 and Cow Creek.

   DEQ Response: Cow Creek (OK520610010230_00) has a length of 6.71 miles. DEQ does not believe that splitting this waterbody into two segments is warranted at this time. This request will be reconsidered for the 2010 Integrated Report. No changes were made as a result of this comment.

3. (OKC) Campbell Creek, WBID 520520000230_00 is listed for low dissolved oxygen concentrations, ammonia toxicity, pH and oil and grease. (The comment letter from the City of Oklahoma City included data indicating that no impairments related to ammonia, oil & grease, and pH should be listed for this segment.)

   DEQ Response: Use assessments for Campbell Creek (OK520520000230_00) were originally compiled for the 2008 Integrated Report using incorrect GIS data. This error has been corrected. As a result, the causes of Ammonia, Oil & Grease, and pH causes for Campbell Creek have been removed from the 2008 303(d) list. Campbell Creek remains on the 303(d) list for the Dissolved Oxygen cause.

4. (OKC) Airport Heights Creek, WBID 520520000350_00 is listed for low dissolved oxygen concentrations, fecal coliform and oil & grease. OKC has one (1) monitoring location (OKC Site Number 617) on Airport Heights Creek, which is located on SW 15th Street just east of Portland Avenue. The Aesthetics Beneficial Use was found to be Fully Supporting with regard to oil and grease according to OKC's Five-year Permit Report for the Watershed Characterization Program (April 1, 2007). The following data suggests that during data collection activities at OKC Site Number 617 from July 29, 2003 to July 25, 2005, oil & grease was observed on two (2) of the twenty-two (22) site visits which resulted in a nine (9%) frequency of exceedance. This data would also

suggest that the Fish and Wildlife Propagation, Warm Water Aquatic Community Beneficial Use is also Fully Supported with regard to oil & grease. (Oil & Grease data was included in comment letter)

DEQ Response: Airport Heights Creek (OK520520000350_00) was assessed using incorrect GIS data. This segment has been reassessed using the correct information. Based on the data associated with this waterbody, the causes of Fecal Coliform and Oil & Grease have been removed. The current data also indicates impairment with respect to Dissolved Oxygen and Turbidity. These changes have been made to the 2008 303(d) list.

5. (OKC) Chisholm Creek, WBID 620910040100_00 is listed for Enterococcus and nitrates. OKC is currently monitoring Chisholm Creek at (1) location (OKC Site Number 622) just north of the NW 192nd Street intersection on Western Avenue. This WBID segment is 21 miles long, which ends at the Cottonwood Creek confluence and begins in OKC near NW 100th Street and McKinley Avenue. Our monitoring data, although not nitrate nitrogen independently, but as nitrate plus nitrite nitrogen indicates no violations of Oklahoma Water Quality Standards. According to Appendix G – Numerical Criteria to Protect Beneficial Uses, Table II specifies that Nitrates (as N) limit is 10.0 mg/L. OKC's nitrate plus nitrite (as N) laboratory analysis reports from August 14, 2007 through January 29, 2008 indicate that the concentration range from a minimum of 0.033 mg/L to a maximum of 0.59 mg/L. The table below includes quality assurance sample (duplicate, trip blanks, splits and equipment blanks) and the grab sample reported values. Only the six (6) grab sample results were utilized for the ranges specified above. We submit for your consideration, adding an additional WBID segment in the proximity of North Western and Covell Road (just north of the intersection approx. 1200 feet) near the confluences of the small tributary discharging from the Shore Unnamed Lake 161 and the confluence with the unnamed tributary to Chisholm Creek to provide for more manageable and meaningful WBID segments in Chisholm Creek. (data was included in the comment letter)

DEQ Response: The Chisholm Creek data presented by the City of Oklahoma City was not collected before the April 30, 2007 deadline for inclusion in the 2008 Integrated Report. This data will be used in the assessment of Chisholm Creek for the 2010 Integrated Report. The re-segmentation of Chisholm Creek will also be reviewed for the 2010 Integrated Report. No changes were made as a result of this comment.

6. (OOWA) As a result of comprehensive efforts currently being conducted to mitigate the DO issues in the Grand Neosho River, the inclusion of the dissolved oxygen impairment for the River into Appendix C is premature. GRDA studies including real-time monitoring, flow modification, oxygen injection, etc. were referenced.

DEQ Response: Existing water quality monitoring data demonstrate that this segment of the river is impaired due to low dissolved oxygen. The fact that there may be on-going or proposed studies of this problem is not a valid rationale for not including it on the 303(d) list in Appendix C of the report. If conditions in the river change in the future due to GRDA activities, and that change is reflected in water quality monitoring data that demonstrate the dissolved oxygen criteria are attained, the 303(d) impairment for dissolved oxygen would be removed at that time. No changes were made as a result of this comment.

7. (OOWA) The basis for the inclusion of this stream segment is flawed as a result of selective inclusion of data from the OWRB monitoring program.

DEQ Response: All existing data collected from this segment of the river within the relevant time period was included in the assessment. There was no selective inclusion of data. No changes were made as a result of this comment.

8. (OOWA) Consideration of including the River segment (Neosho River, OK121600010280_00) on the 303(d) list should be deferred until a full year of DO data are available at the end of 2009.

DEQ Response: Any data collected in the future will be considered in future versions of the Integrated Report. See also the response to comment 6 above. No changes were made as a result of this comment.

9. (OOWA) If, as expected, full year data is below 10% then no listing issue is present. In the unlikely event that full year data exceeds the 10% threshold, the decisions regarding corrective action to improve DO conditions

below the Kerr Dam should by then have been completed and implemented. The changed conditions which will result from those steps will then be in place, and any TMDL or monitoring studies that may be appropriate can be conducted at that time in a setting that will not result in modeling error, nor a wasteful use of state resources.

DEQ Response: Although the Use Support Assessment Protocol detailed in 785:46-15-5 for Fish and Wildlife Propagation Support indicates a 10% threshold with respect to the DO criterion, another DO criterion must be met for the Fish and Wildlife Propagation use to be considered "supported". According to OAC 785:46-15-3(f)(3), "if more than two concentrations of DO in a stream are observed to be below 2 mg/L in any given year, the Fish and Wildlife Propagation beneficial use shall be deemed to be not supported" based on the magnitude of criteria exceedance. Monitoring data from June through August of 2006 indicates that DO concentrations fell below the 2 mg/L criterion on more than 40 occasions. Based on all available data, the Fish and Wildlife Propagation beneficial use for Neosho River segment OK121600010280_00 must be considered to be "not supported" with respect to Dissolved Oxygen. The appropriateness of considering any expected changing of conditions in the river in the TMDL for this segment will be determined when the TMDL is developed. No changes were made as a result of this comment.

10. (OFB) Page 8, paragraph 3. In the list of reports and data that was used to generate this report, it lists Nonpoint Source Pollution Assessment Report (319(h)) (OCC, 1988, 1994), etc… Was this old data used for listing decisions? Is there an explanation somewhere about how these old reports were used?

    DEQ Response: The aforementioned reports were used to make listing decisions for previous 303(d) and 305(b) reports. The historical assessment determinations for a waterbody which were made using this data are included in the 2008 Integrated Report only if an insufficient amount of more recent data has been collected for the waterbody. No changes were made as a result of this comment.

11. (OFB) Page 11, Table 6. Bacteria/pathogens are listed in the top four pollutants causing impairment in rivers and streams: Enterococcus, Esherichia coli, and Fecal Coliform. I would appreciate a discussion of the current bacteria criteria in the water quality standards and how this affects the listing of impaired waterbodies. I have attached a letter from Derek Smithee regarding the bacteria criteria issue. OFB would urge the State to consider putting this item on the agenda for discussion for the next water quality standards revision. It is our understanding that Texas is in the process of developing four or five categories of body contact.

    DEQ Response: A discussion of the assessment methodology for bacteria used in this report may be found beginning on page 46. The comment regarding the next water quality standards revision was forwarded to the Oklahoma Water Resources Board for consideration. No changes were made as a result of this comment.

12. (OFB) Page 15, paragraph 2. I would suggest the following additions to the existing language: "Other important grain crops for the state include fall and spring oats, barley, rye, sorghum, soybeans, and corn. In addition, pecans, fruits, vegetables, cotton, and timber all constitute a significant source of income for the state."

    DEQ Response: The requested changes have been included in the final version of the 2008 report.

13. (OFB) Page 25, paragraph 5. The Oklahoma Department of Agriculture Food and Forestry has a program where they travel to different regions of the state and encourage farmers to bring in their old chemicals for safe disposal. I will copy this to ODAFF and ask them to provide you with a paragraph explanation of the program for inclusion in the 2008 report. The program is protective of both ground and surface water quality.

    DEQ Response: This information has been added to the final version of the 2008 report.

14. (AES) The Benham Companies, LLC (Benham), on behalf of AES Shady Point, LLC (AES), has reviewed the draft report entitled "Water Quality in Oklahoma 2008 Integrated Report" (Draft Report) recently released by the DEQ for public comment. The Report indicates that Stream Segment 220100, Waterbody ID No. 220100010010 is impaired for the beneficial use of Fish and Wildlife Protection – Warm Water Aquatic Community (FWP-WWAC) for the following constituents: copper, turbidity, and lead (Appendix C – 303(d) List of Impaired Waters, page 17 of 90). AES discharges wastewater into this segment of the Poteau River under their existing OPDES Permit. Benham and AES have obtained and reviewed the copper and hardness data collected by the Oklahoma Water Resources Board as well as the Assessment methodology outlined in the Draft Report on pages 38 through 53. Benham and AES believe that the data does not indicate that the FWP-WWAC

use is impaired for copper. Therefore, we propose that the Draft Report be corrected to confirm that the FWP-WWAC beneficial use for the Stream Segment is not impaired due to copper.

DEQ Response: The OWRB data presented by Benham provides 12 Total Copper samples and 6 Dissolved Copper samples between the dates of 4/23/2002 and 7/31/2007. Of these samples, only 9 Total Copper samples and 3 Dissolved Copper samples occurred prior to the April 30, 2007 deadline for inclusion in the 2008 Integrated Report. The 3 Dissolved Copper samples obtained during the collection period for this report are insufficient to meet the minimum number of samples required by the Use Support Assessment Protocols (OAC 785:46). Therefore, the assessment determination had to be made using the Total Copper data. The Total Copper data show two of the samples exceeded the 7.3 µg/L chronic criterion for Copper. The two exceedances cause the chronic screening value tests to be failed. This segment must be considered impaired for the FWP-WWAC beneficial use with respect to Copper. Any additional data collected from this segment will be included in future versions of the Integrated Report. No changes were made as a result of this comment.

15. (Andrew Jorgensen) I did not see anything in the draft report about perchlorate pollution from fireworks. Is the OKDEQ going to ignore the test results from the USEPA report on Lake Wintersmith at Ada OK and the Dartmouth report by the MASSDEP?

    DEQ Response: DEQ reviewed the references provided in the comment. The article "Perchlorate Behavior in a Municipal Lake Following Fireworks Displays" contains perchlorate concentration data for Lake Wintersmith (Ada Lake) from 2004 to 2006. While the data do show sharp increase in perchlorate concentration after the fireworks, the numbers are not high enough to list Ada Lake as impaired for the Fish and Wildlife Use with regard to perchlorate. The highest perchlorate concentration reported in the study of Ada Lake was 44.2 µg/L. This value is well below both the acute (6600 µg/L) and chronic (1800 µg/L) criteria for perchlorate listed in Table 2 of Appendix G, Oklahoma Water Quality Standards (OAC 785:45). The Dartmouth report by the Massachusetts Department of Environmental Protection concludes that 11 years of fireworks displays have resulted in perchlorate contamination of soil and ground water in Dartmouth, Massachusetts. The Dartmouth Report has no bearing on the assessment of waterbodies in Oklahoma. No changes were made as a result of this comment.

16. (Andrew Jorgensen) Have you or do you plan to make studies of fireworks pollution in Oklahoma. I am concerned about the Illinois River watershed, especially Town Branch Creek which runs through Tahlequah. As you may know Tahlequah allows unrestricted discharges of consumer fireworks on the Fourth of July. Many people come from other places which restrict fireworks to discharge them. The air is so polluted over the city one cannot see more than 50 feet and last all night before settling into the creek or storm drains. Then the litter is swept away into the drains ending up in Lake Tenkiller. Please test both the air and water the next day. I am sure there are violations of the Clean Air and Clean Water Acts.

    DEQ Response: Current monitoring data for Lake Tenkiller shows no impairment of the lake by perchlorate. Town Branch of Tahlequah Creek has not been assessed for the chemical. Lake monitoring and most stream monitoring in Oklahoma is carried out by the Oklahoma Water Resources Board. The request for monitoring the effect of fireworks on water quality has been forwarded to OWRB for future consideration. No changes were made as a result of this comment.

17. (Ruth Williams) My water is very bad to drink and it kills all my plants. What I would like to know does my water come from Lake Hefner or Lake Overholser? And who do I report this to.

    DEQ Response: This was referred to the Environmental Complaints and Local Services (ECLS) Division of the DEQ. The ECLS representative conducted an investigation on site. No irregularities were recorded. No changes were made as a result of this comment.

18. (C.K. West) My family and my friends are concerned about our state's water quality! We desire that our water quality be improved. Testing and making everyone aware of conditions, plus new requirements we hope will raise our water quality. One of our biggest concerns is Illinois River water quality. We hope this recreational River can serve a healthy outing for generations to come. Thanks for your work!

DEQ Response: The DEQ shares your concern about Illinois River and the State's water quality. Recent monitoring data shows that two main contaminants of Illinois River are pathogens and phosphorus. An *excess of phosphorus may cause algal blooms depleting oxygen in the water and causing fish kills. No changes were made as a result of this comment.*

19. (Douglas Evans) …Nearly 75% of the rivers in the state are being impaired by some form of pollution, according to federal and state benchmarks. The foregoing is a disgrace to our great state…
…Various volunteer groups, government agencies and industries have conducted water testing in many parts of Oklahoma; certainly enough to evaluate a cause and recommend solutions, although much more testing should be continued. There has definitely been municipal plants constructed and or their improvement, but the excess of pollution continues which must be solved for public health reasons as well as, fish and game propagation, and recreation, economic reasons and because it' is a federal law.
…Information is available indicating Great Lakes, the coastal Waters near Washington, D.C., and many other rivers and lakes of the USA have been greatly improved since Clean Water Act became Law.
…Many conditions contribute to the pollution in Oklahoma's waterways & lakes, (natural, animal, industrial, residential, agricultural, commercial, and municipal); the problems will not always be easy to solve but we do have some test data to work with. We must not allow our problems to defeat us.

    DEQ Response: We appreciate your concern. *The figure 75 % relates to only those waters that were tested by the state. Most of the state's identified 4,064 waters are not monitored for quality. Additionally, some waters are not included in the report at all. There might be more clean waters in the state but DEQ does not have the testing information to say so for certain.*
    For the first time, Oklahoma can report five streams to be clear of all harmful levels of pollution. The State works on cleaning up waters of the state and continues to implement Clean Water Act programs such as the program called Total Maximum Daily Loads (TMDL). This program develops the plans to restore impaired waters. *No changes were made as a result of this comment.*

20. (David Ezell) I thought it was interesting that the # 1 source of our water pollution is unknown, while livestock grazing was listed as the second most common source of pollution. Does the DEQ not know where the pollution is coming from or is government and cities a big polluter of our state water and the DEQ will not list this as the source?

    DEQ Response: Sources of pollution that could potentially affect rivers and streams are listed in the Report in table 7 for lakes and Table 8 for streams (pages 12 and 13). The sources listed are not actual confirmed sources of the pollution but a listing of possible sources that may have caused the pollution. Explanation on the procedure for determining possible sources of pollution is contained on page 55 of the report. The table lists sources from greatest to least based on the number of stream miles exposed to each potential source of pollution category. Since grazing occurs in more acres of watershed than municipal dischargers, it is higher on the table. Municipal point source discharges and land application sites are 10th and 11th on the table. The table does not necessarily indicate that cattle grazing causes more stream pollution than municipal discharges but rather that more miles of stream are exposed to cattle grazing.

    The comments regarding issues with the City of Elgin were referred to the Municipal Enforcement Section of Water Quality Division and to ECLS Division of the DEQ. No changes were made as a result of this comment.

21. (Victoria Gonzalez) My comment to you is, I'm proud of our state for trying – actually trying and I like that we have a report like this. I'm disappointed that there is not many people here. I feel like there's – I do work in the environmental field, that our water quality is going downhill very quickly. And I feel that it is DEQ's obligation to its citizens that we get more stringent with the rules and regulations of the Clean Water Act. So the water has to be our number one priority in the state. And we can see how our agricultural, our development, all of this is failing us because of the pollution of the water, sedimentation, and it affects our drinking water, and we have to protect it. This is the Agency that is supposed to do that. And I get around to enough areas of the state that I'm very disappointed in the decline that's going into it because of tourism. We are afraid to step on anybody's toes because anywhere there's water you have people come, enjoy it and spend their money. But we have to let the people know that this water is precious. And that we should take care of it. And if we have to start slapping fines, especially in our scenic rivers, then we need to do it. If we have to get after development, because they don't want to follow the Clean Water Act, we need to do it. And we need to change our attitude on ODOT –

and they're trying, but there is a lot they can be doing to stop the amount of sediment that goes into our tributaries and creeks, because inevitably it goes to our lakes. We do not have enough funding for this state, not only for the DEQ, EPA, or for the Water Resources Board to do the type of work that they need to do. And I feel like, you know, our Governor needs to take a look at this and they need to have more funding, because it affects all of us. That's my comment.

DEQ Response: Thank you for your support of clean water in Oklahoma. No changes were made as a result of this comment.