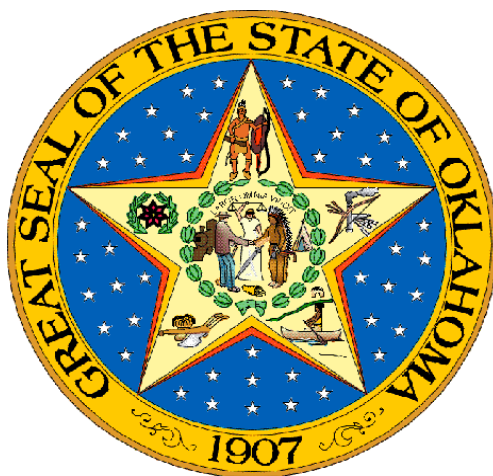


THE STATE OF OKLAHOMA

2002

WATER QUALITY ASSESSMENT INTEGRATED REPORT



PREPARED PURSUANT TO SECTION 303(d) AND SECTION 305(b)
OF THE CLEAN WATER ACT

Prepared by
OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

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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.
BOD₅	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.
CBOD₅	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 ($CTSI = 9.81 \ln[chl-\alpha] + 30.6$).
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 ₉ Cl 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 than 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.

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 water bodies on the 303(d) list, the Clean Water Act requires that a pollutant load reduction plan or TMDL be developed to correct each 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 List Guidance

The US Environmental Protection Agency (USEPA) issued guidance (USEPA 2000a) for the development of an Integrated Water Quality Monitoring and Assessment Report (Integrated Report) by the States beginning with the Year 2002 submittal. This guidance recommends for the first time 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);
- 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 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 2002 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.

The CPP will provide a companion to the 2002 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 2001/2002 reporting cycle, there were a total of 3,970 waterbodies delineated into the new Oklahoma Assessment Database (ADB). These waters include approximately 34,142 river and stream miles and 625,896 lake acres. Of the river miles, approximately 517 miles form the border with the State of Texas. Of the 3,970 waterbodies, approximately 1042 waterbodies were assessed using ambient monitoring data, professional evaluation, and citizen input. Total waters for the state of Oklahoma include 78,788 river and stream miles and 1,041,884 lake acres.

The water quality data used in this report was collected by the Oklahoma Conservation Commission (OCC), Department of Environmental Quality (DEQ), Department of Agriculture Food and Forestry (ODAFF), Corporation Commission, Oklahoma Water Resources Board (OWRB), United States Geological Survey, and citizens of the state. The data used in this report came from 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), 1990 *Oklahoma Water*

Quality Assessment Report (Section 305(b)) (ODEQ, 1994), Beneficial Use Monitoring Program, intensive and rapid bio-assessment surveys, fish and wildlife kill reports, spill reports, citizen complaints.

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 listed, this information is also subject to confirmation or modification based on additional studies and evaluation by state agencies.

Figure 1 shows a percentage of all waterbodies in the state of Oklahoma designated as one of the five available categories outlined in the Integrated List Guidance above.

Figure 1

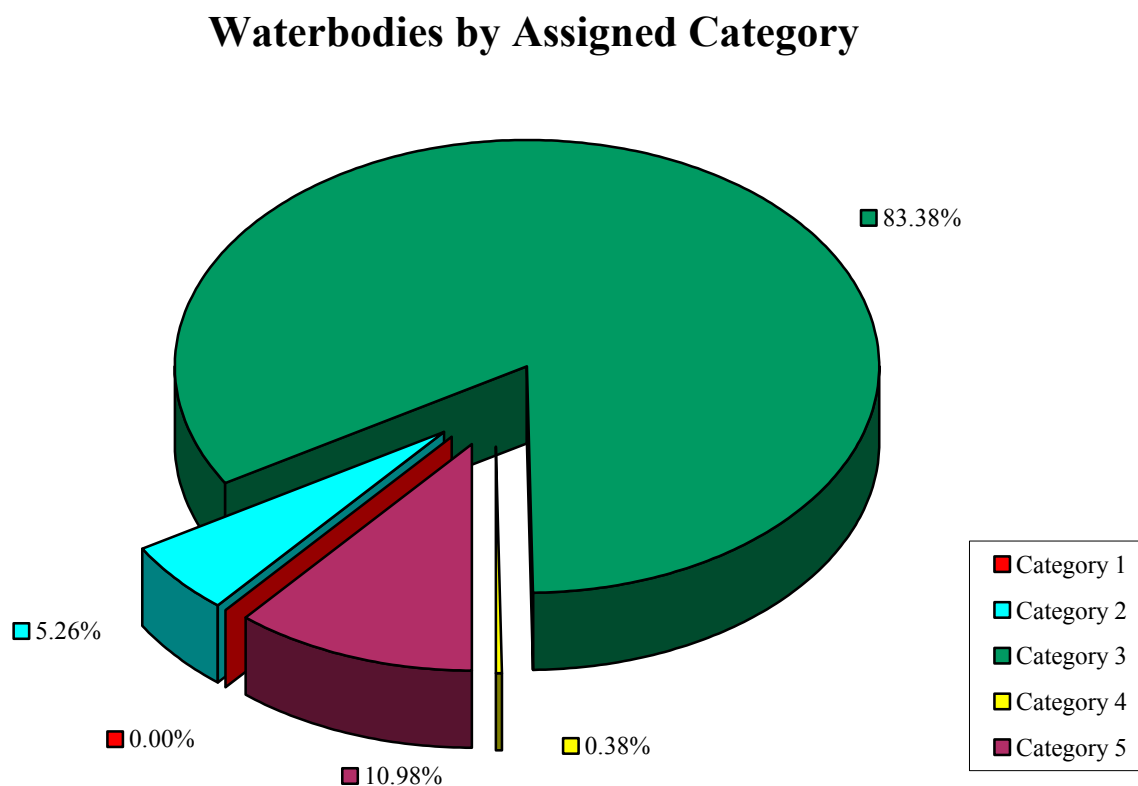


Figure 2 shows the percentage of all stream or river miles as one of the five categories, while Figure 3 outlines the percentage of all lake acres in the state as one of these categories.

Figure 2

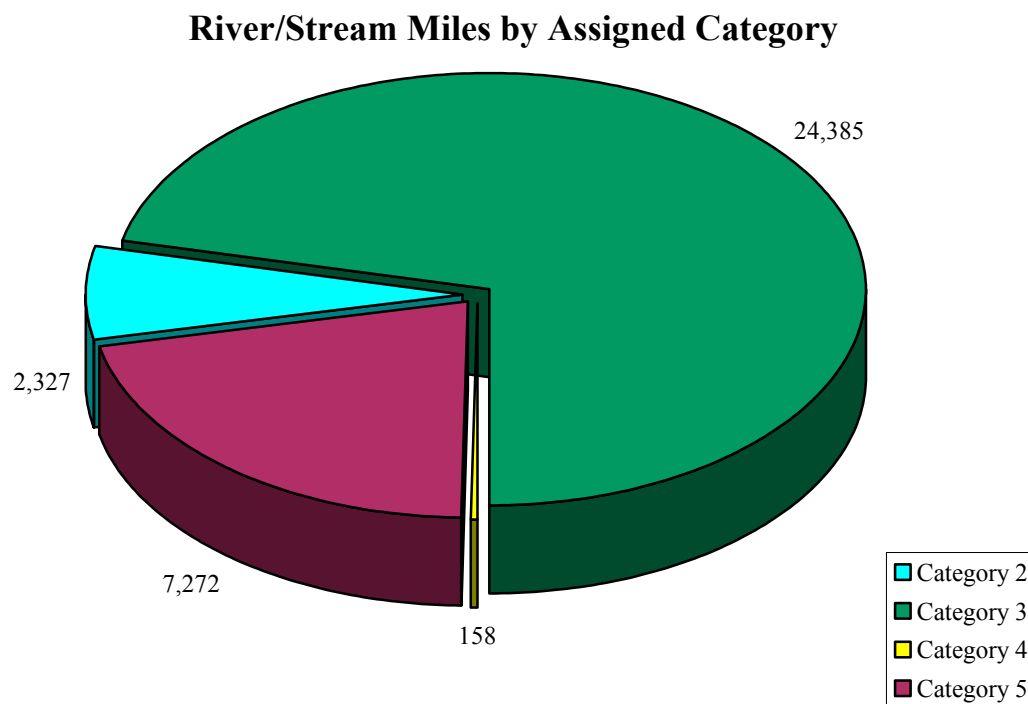


Figure 3

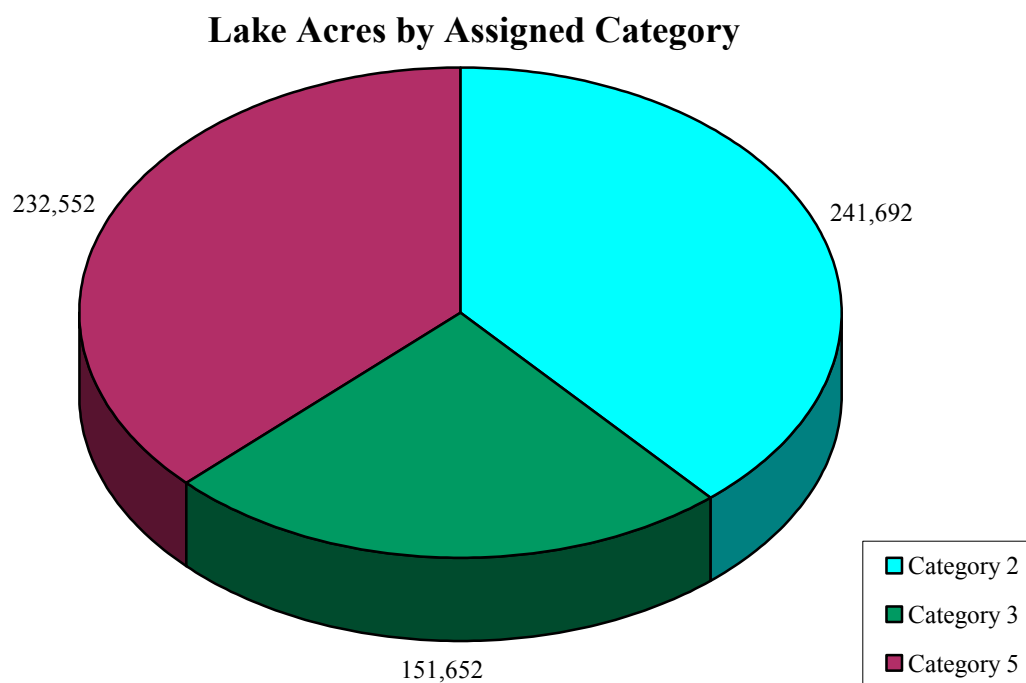


Table 1 details the attainment status of each designated beneficial use assigned to all the river or stream miles in the state, while Table 2 does the same for lake acres. Each beneficial use for a waterbody must have only one attainment status associated with that use: attaining, not attaining, insufficient data, or no information (not assessed). 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 1 Beneficial Use Attainment in Stream Miles

Beneficial Use	Attaining	Not Attaining	Insufficient Data	Not Assessed
Aesthetics	3,655	85	9,662	20,619
Agriculture	5,316	2,452	5,001	21,248
Cool Water Aquatic Community	92	163	528	752
Emergency Water Supply	1,517			77
Fish Consumption		8	3,497	678
Habitat Limited Aquatic Community		156	50	428
High Quality Water				970
Hydropower Generation	479			15
Industry	4,905		3,373	24,439
Navigation	203			5
Outstanding Resource			6	248
Primary Contact (Recreation)	449	5,259	1,006	26,364
Public/Private Water Supply	782	272	4,162	10,469
Secondary Contact (Recreation)		118	100	737
SWS-Sensitive Water Supply				1,863
Trout Fishery		10		101
Warm Water Aquatic Community	521	4,448	7,945	18,837

Table 2 Beneficial Use Attainment in Lake Acres

Beneficial Use	Attaining	Not Attaining	Insufficient Data	Not Assessed
Aesthetics	255,815	22,327	92,803	254,951
Agriculture	24	10	340,011	285,851
Emergency Water Supply	35,401			
Fish Consumption			14	
High Quality Water				3,750
Hydropower Generation	281,019			
Industry	24		278,974	291,664
Navigation	84,860			
Primary Contact (Recreation)			334,292	291,604
Public/Private Water Supply	10		294,010	263,748
Sensitive Water Supply				107,996
Warm Water Aquatic Community		221,109	286,061	118,726

Tables 3 and 4 show the Category 5 beneficial uses impaired by specific pollutant as river/stream miles and lake acres respectively.

Table 3 Category 5 Beneficial Use River/Stream Miles Impaired by Specific Pollutant

Pollutant	Aesthetics	Agriculture	Cool Water Aquatic Community	Fish Consumption	Habitat Limited Aquatic Community	Primary Contact (Recreation)	Public/Private Water Supply	Secondary Contact (Recreation)	Trout Fishery	Warm Water Aquatic Community
Arsenic										7
Cause Unknown			13		60					83
Chlorides		1,215								
Chromium				3						7
Copper			29							55
Lead			114	3	12				10	658
Low DO			96							1,070
Nitrate							27			
Oil and grease	27									17
Pathogens						5,259		118		
Pesticides				5						105
pH			58		58					429
Phosphorus	58									
Selenium							245			314
Sulfates		1,257								
TDS		1,724								
Turbidity			134		136					3,601
Unknown toxicity										68
Zinc			54							

Table 4 Category 5 Beneficial Use Lake Acres Impaired by Specific Pollutant

Pollutant	Aesthetics	Agriculture	Warm Water Aquatic Community
Chlorides		10	
Low DO			65,078
pH			22,075
Phosphorus	22,327		
Sulfates		10	
TDS		10	
Turbidity			143,350

Table 5 shows the number of Category 5 river/stream miles and lake acres impaired by particular sources.

Table 5 Category 5 River/Stream Miles and Lake Acres Impaired by Source

Source	Lake Acres	Stream Miles
Acid Mine Drainage		58
Agriculture		71
Habitat Modification (other than Hydromodification)		73
Intensive Animal Feeding Operations		28
Leaking Underground Storage Tanks		16
Mine Tailings		48
Minor Municipal Point Source		2
Municipal Point Sources		46
Natural Sources		169
Onsite Wastewater Systems (Septic Tanks)		26
Petroleum Activities	35	529
Resource Extraction		26
Silviculture	25	
Sludge		2
Source Unknown	232,527	6,800
Sources outside State Jurisdiction or Borders		23
Spills		7
Surface Mining		22
Waste Storage/Storage Tank Leaks		4

Surface Water Quality

Oklahoma's Water Quality Standards (WQS) are set forth under statutory authority of the OWRB authorized under 82 O.S. 1981, ' 926.1 through 926.13. 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, 2002). The WQS have established designated beneficial uses and standards for all of Oklahoma's waters.

During the 2001/2002 reporting cycle, there were a total of 3,869 waterbodies delineated in the new Oklahoma Assessment Database (ADB). These waters include approximately 34,011 river and stream miles, 175 canal and lateral miles, 625,896 lake acres. Of the river miles, approximately 517 miles form the border with the State of Texas. Of the 3,869 waterbodies, approximately 620 waterbodies were assessed using ambient monitoring data, professional evaluation, and citizen input. Total waters for the state of Oklahoma include 78,788 river and stream miles and 1,041,884 lake acres.

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 2002 WQS (OWRB, 2002). 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. There have been several projects and ventures 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, turbidity, and TDS. The major factors affecting the overall use support of the lakes of the state were from the following causes: turbidity, low DO, and pH.

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. Thus far 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 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 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, overgrazing, timber cutting, and erosion (Gray, 1959). There are approximately 2,540 species of plants (Taylor, 1991), 81 species of reptiles (Secor, 1984), 53 species of amphibians, 101 species of mammals (ONHI, 1992), 400 species of birds (Wood, 1984), and 175 species of fish (Cashner, 1988). 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 and corn. In addition, fruits, vegetables, cotton, and timber all constitute a significant source of income for the state (Gray, 1959). 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 4) (Oklahoma Geological Survey, 1972). Oklahoma is composed of 77 counties with Osage being the largest (Figure 5). Basic statistics on Oklahoma can be found in Table 6.

Information contained in Table 4 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 4 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 4 Oklahoma Geology

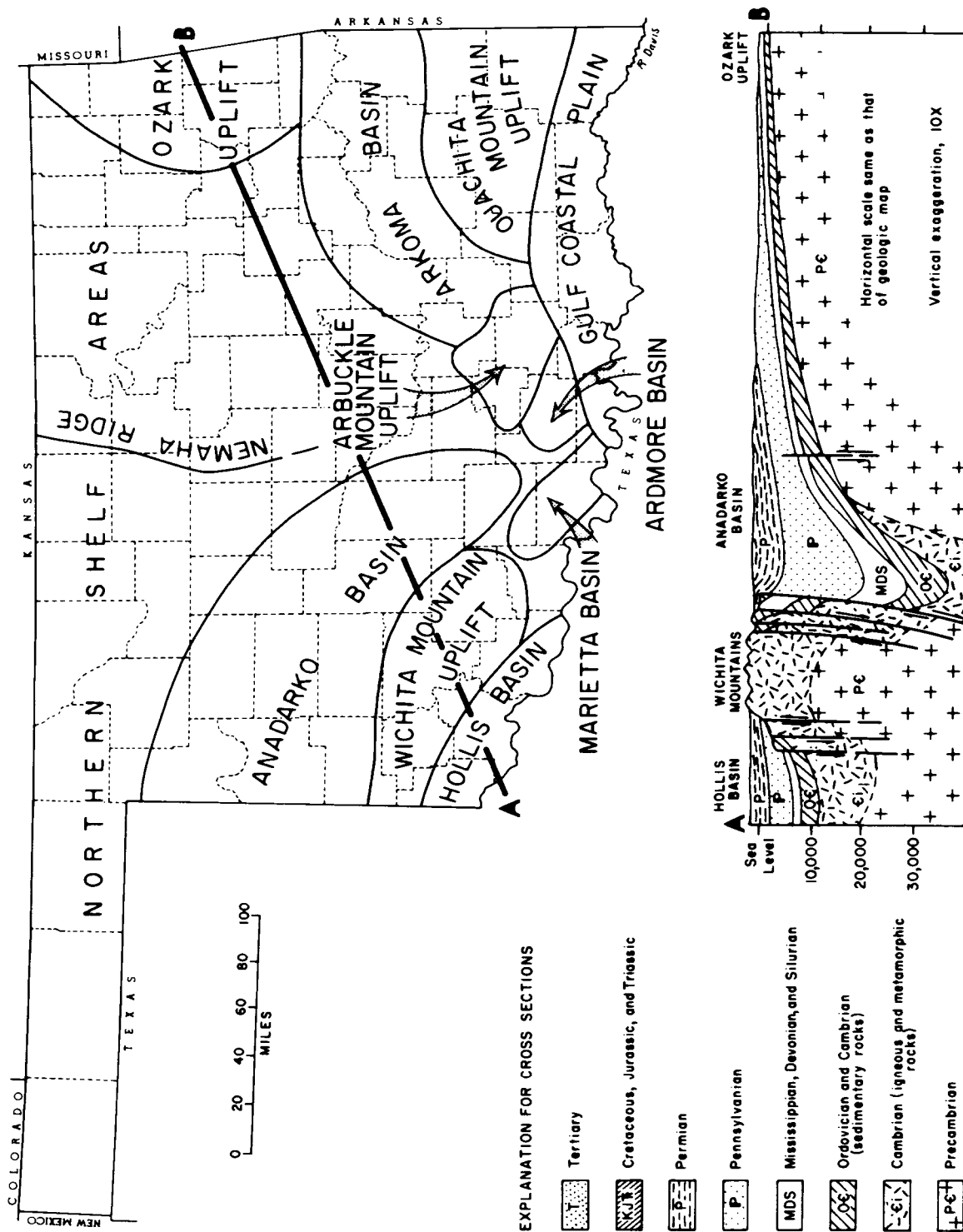
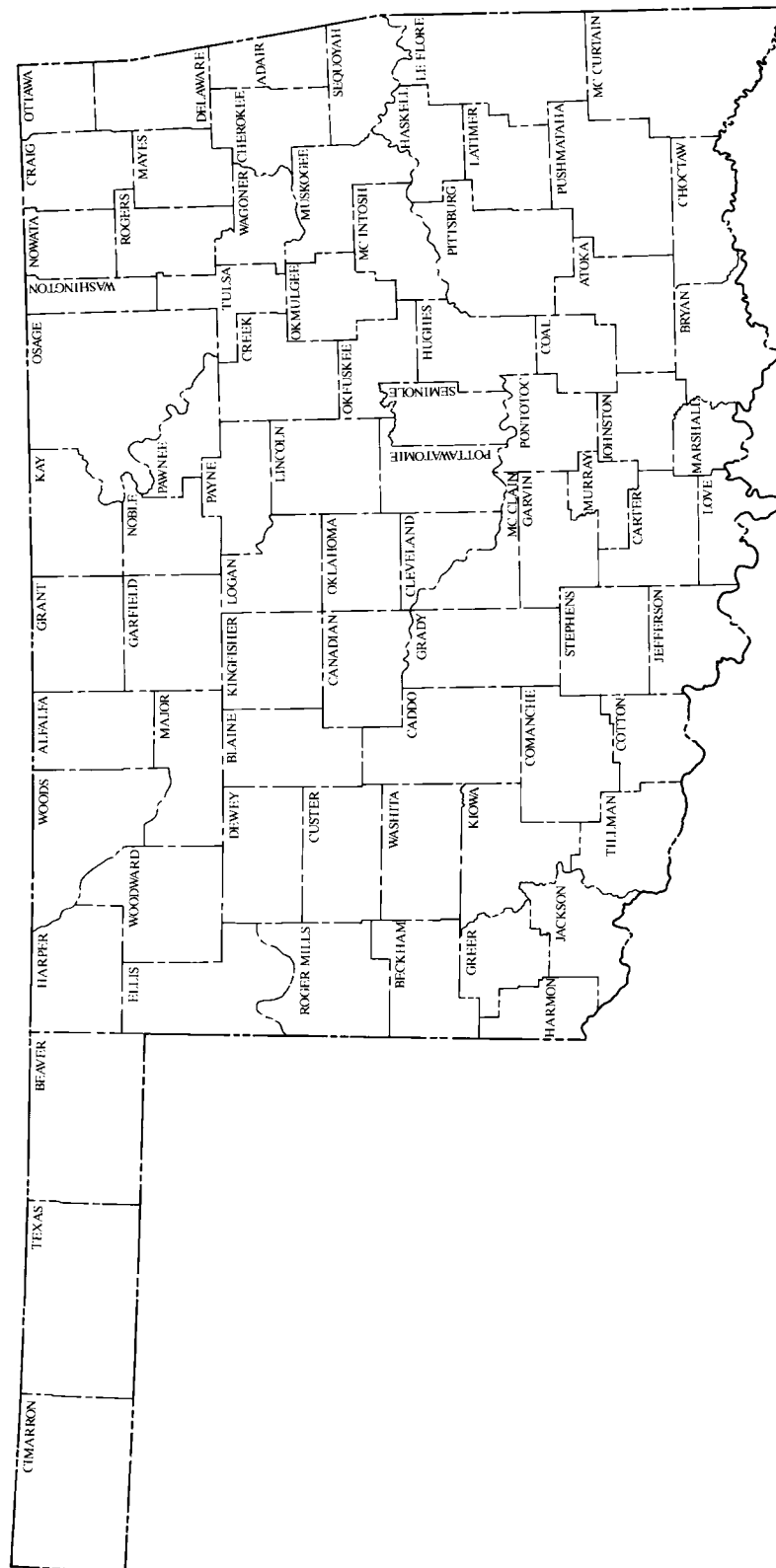


Figure 5 Oklahoma Counties



Graphics-Oklahoma Water Resources Board

Table 6 Atlas of Oklahoma

State Population [♦]	3,450,654
State Surface Area, Square Miles ^{♦♦}	69,919
Number of Major Watershed Basins	7
Total Number of River and Stream Miles [*]	78,778
Number of Perennial River and Stream Miles [*]	22,386
Number of Intermittent Stream Miles [*]	55,413
Number of Canals or Ditches [*]	175
Number of River Border Miles ^{♦♦♦}	517
Total Number of Lakes/Reservoirs/Playa/Ponds ^{**}	224,948
Number of Large Lakes ^{**}	34
Number of Public & Private Lakes ^{**}	2,303
Number of Watershed Protection Lakes ^{**}	1,964
Number of Playa Lakes (wet season only) ^{**}	585
Number of Oxbow Lakes (10 Acres) ^{**}	62
Number of Farm Ponds (Soil Conservation Service assisted) ^{**}	220,000
Total Number of Lakes/Reservoirs/Playa/Ponds Acres ^{**}	1,041,884
Major Lake Acres ^{**}	555,450
Public & Private Lake Acres ^{**}	89,836
Watershed Protection Lake Acres ^{**}	54,261
Playa Lakes Acres ^{**}	9,572
Oxbow Lake Acres ^{**}	2,765
Farm Pond Acres ^{**}	330,000
Total Number of Freshwater Wetland Acres ^{***}	733,895

- ♦ 2000 Census
- ♦♦ 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 has been 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 are represented on the Working Group. Six technical committees have been established to concentrate on specific tasks.
- 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 will be 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 has delineated 11 Watershed Management Units that will be used to implement the watershed approach. The intent is that planning, monitoring, permitting, and other water quality programs will be coordinated and organized at this scale when the watershed approach is fully implemented. See appendix 10
- 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 survey of government entities represented on the Working Group has been distributed to identify existing water quality related data in a format that can be used in a GIS system. A directory of these data sources will be established.
- A technical committee has been 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 have been targeted for this effort.
- The Whole Basin Planning Approach Working Group is continuing to develop the framework document and coordinate other tasks leading up to the production of the first watershed management plans.

Water Quality Standards Program

Oklahoma's WQS are set forth under statutory authority of the OWRB authorized under 82 O. S. 1981, ' 926.1 through 926.13. 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, 2002). 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 [O.S. 82: ' 926.1(6)]. This language parallels the Federal definition of "waters of the U.S." but, in some cases, is not as explicit.

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 has 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, 2002):

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.

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 exist 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 is based on the EPA's current policy 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 gives 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 control program. The program is a cooperative effort of state, federal and local agencies. Some of these agencies include the OCC, the DEQ, the ODAFF, the OWRB, local conservation districts, and local land owners. 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 a 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 which increases 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 gullyng. This category includes stream channel stabilization and in-stream structure for water quality control.(OCC, 1993)

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 ODAFF has authorities under the Oklahoma Feed Yard Act 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 and oversees the application of bulk fertilizer. 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.

There are other nonpoint source projects which effect either a specific watershed area or are statewide projects which will effect 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

The Resource Conservation and Recovery Act (RCRA) of 1976 was the nation's first comprehensive hazardous waste management law. This law created a regulatory system that governed the treatment, storage, and disposal of hazardous waste. During the early phases of implementation, it became apparent that RCRA lacked the mechanism necessary to address historical hazardous waste problems.

The lack of ability to address historical hazardous waste problems resulted in the formation 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 is obtained from a national revolving fund. The fund obtained its monies through taxes paid on chemical feedstocks used in the manufacture of chemical products which are likely to become hazardous waste. Superfund also established a mechanism to recover cleanup costs from potentially responsible parties. CERCLA was last amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986.

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 which are on the EPA National Priority List (NPL). The NPL 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 are addressing additional pre-remedial and remedial activities at non-NPL sites. Refer to Table 7, "Superfund, NPL, and Non-NPL Sites Impacting on Groundwater and Surface Water" for a listing of sites within Oklahoma.

Table 7 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
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

Sites	Legal	County	Contaminant of Concern	Groundwater Impacted (Yes/No)	Surface Water Impacted (Yes/No)
Fourth Street Refinery	R03W T12N S36	Oklahoma	Lead Oily Sludges BTEX	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
Double Eagle Refinery Refinery	R03W T12N S35	Oklahoma	Lead Oily Sludges BTEX	Garber-Wellington Aquifer Yes North Canadian Alluvium Yes	Not Applicable
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

Sites	Legal	County	Contaminant of Concern	Groundwater Impacted (Yes/No)	Surface Water Impacted (Yes/No)
Blackwell Zinc Smelter	R01W T27N S21	Kay	Metals	Chikaskia River Alluvium Yes	unnamed tributary of Chikaskia River No significant impact
National Zinc	R12E T26N S11	Washington	Metals	Not Applicable	Unnamed tributary of Eliza Creek Yes
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	Unknown	Yes
Hudson Refining Refinery	SW4 SEC33 T18N R05E & NE4 NW4 SEC04 T17N R05E 1m	Payne	Hydrocarbons metals	Unknown	Yes
Duncan Refinery Refinery	R7W T1S S32	Stephens	Hydrocarbons	Garber-Wellington Yes	Claridy Creek Yes
Collinsville Smelter Smelter	R14E T22N S32	Tulsa	Metals	No	Unknown
U.S. Zinc Company Smelter	R13E T11N S6	Okmulgee	Metals	No	No
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

Sites	Legal	County	Contaminant of Concern	Groundwater Impacted (Yes/No)	Surface Water Impacted (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	Unknown	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

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.

A portion of the costs of water pollution control, on an annual basis, can be obtained by looking at funding received under the CWA. The following table provides this information for Fiscal Years 2000 and 2001.

Table 8 Federal Clean Water Act and State Matched Funding Received During Fiscal Year 2000 and 2001

Grants	Federal Monies	State Monies
FY 2000		
104(b)(3) Special Projects	233,785	12,305
106 Water Pollution Control – Surface/Ground - Combined	945,232	257,652
106 Water Pollution Control - Ground	N/A	N/A
205(g) Construction Management Assistance	N/A	N/A

Grants	Federal Monies	State Monies
314 Water Pollution Control - Lakes Restoration	N/A	N/A
319(h) Nonpoint Source Implementation	3,123,600	2,082,400
604(b) Water Quality Management Planning	109,527	0
Wetlands Protection	76,250	25,417
Total	4,488,394	2,377,774
Combined State/Federal Total		6,866,168
FY 2001		
104(b)(3) Special Projects	437,890	23,047
106 Water Pollution Control – Surface/Ground Combined	2,327,575	276,095
106 Water Pollution Control - Ground	N/A	N/A
205(g) Construction Management Assistance	N/A	N/A
314 Water Pollution Control - Lakes Restoration	N/A	N/A
319(h) Nonpoint Source Implementation	3,661,800	2,491,200
604(b) Water Quality Management Planning	108,553	0
Wetlands Protection	160,484	53,495
Total	6,696,302	2,843,837
Combined State/Federal Total		9,540,139

Table 9 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 2000-2002. Total assistance amounts listed represent funds committed to projects upon loan closing. Final project costs, which may vary slightly, are determined upon project completion and may be obtained from the OWRB.

Table 9 FY 2000-2002 Municipal Wastewater Treatment Construction Projects funded through the Clean Water State Revolving Fund

Community Served	Project Number	Binding Commitment	Total Assistance Amount	Federal Funds	Non-Federal Funds
STILWELL	ORF-98-010	2000	3,807,450		3,807,450
OWASSO	ORF-98-013	2000	2,573,838	2,128,809	445,029
BIG CABIN	ORF-98-016	2000	436,000		436,000
LAWTON	ORF-98-015	2000	9,570,000		9,570,000
HASKELL	ORF-99-015	2000	272,251		272,251
FT. GIBSON	ORF-99-017	2000	683,263		683,263
VIAN	ORF-98-017	2000	1,032,836		1,032,836
DUNCAN	ORF-99-005	2000	9,267,050	7,722,233	1,544,817
ROGER CO.RSD1	ORF-99-002	2001	630,000		630,000
JAY UA	ORF-99-011	2001	3,734,452		3,734,452
POCOLA	ORF-98-014	2001	760,000		760,000
SPIRO	ORF-99-010	2001	795,000		795,000
ENID MA	ORF-00-013	2001	2,700,000	2,249,910	450,090
HOBART	ORF-00-007	2001	190,931		190,931
ANTLERS	ORF-99-014	2001	16,329		16,329
TULSA	ORF-00-014	2001	4,000,000	3,333,200	666,800
GRANDLAKE	ORF-99-0022	2001	2,700,000		2,700,000
STILLWATER	ORF-00-0018	2001	20,280,000	16,899,324	3,380,676
SAND SPRINGS	ORF-00-010	2001	6,167,095	5,139,040	1,028,055
FOYIL	ORF-98-009	2001	269,520		269,520
PRAGUE	ORF-97-005	2001	1,650,000		1,650,000
OWASSO (Phase IB)*	ORF-01-0004	2002	2,348,089	1,956,663	391,426
COLLINSVILLE MA	ORF-99-0019	2002	897,424		897,424
LAWTON	ORF-01-0005	2002	5,827,307	4,855,895	971,412
DURANT	ORF-00-0002	2002	16,060,000	13,382,798	2,677,202
EL RENO	ORF-00-0005	2002	1,920,000	1,599,936	320,064
CUSHING MA	ORF-00-0003	2002	6,500,000		6,500,000
MIAMI	ORF-00-0011	2002	8,950,000	7,458,035	1,491,965
WESTVILLE	ORF-99-0020	2002	380,400		380,400
ARKOMA	ORF-01-0010	2002	355,000		355,000
TULSA	ORF-02-0002	2002	3,250,000	2,708,225	541,775
TONKAWA MA (2nd)	ORF-02-0008	2002	530,000		530,000
McCURTAIN MA	ORF-01-0009	2002	41,931		41,931
MORRIS PWA	ORF-01-0003	2002	1,650,000		1,650,000
SULPHUR PWA	ORF-01-0008	2002	1,013,652		1,013,652
TOTALS			121,259,816	69,434,068	51,825,748

Benefits

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 has increasing numbers of poultry and swine production operations. There is concern regarding the generation of waste and its management. The nonpoint source Chapter describes some of the demonstration projects which 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 have been identified and are monitored for their 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.

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 four major kinds of monitoring across the state. Following is a summary of these activities.

1. Ambient Monitoring
 - a. routine monitoring at fixed or randomly selected sites
 - b. identifies potential problems, baseline or natural conditions, or high quality waters
 - c. fulfills 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. often stem from results of 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
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

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

- 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 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.

Assessment Methodology

The following methodologies, along with the procedures described in Figure 7 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 no 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 no 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 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:

the 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:

the 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:

50% or more 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 10 corresponding to the stream pH and temperature at the time of sampling

The F&WP beneficial use is considered *attained with respect to an individual toxicant* if 10% or fewer of the samples have concentrations of a toxicant that exceed the acute or chronic criterion 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 screening value for that toxicant

or

any sample exceeds the screening value for that toxicant by 2 or more orders of magnitude.

Table 10 Temperature- and pH-Dependent Screening Values for Ammonia

pH	Temperature (°C)									
	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 6. These biocriteria should be referenced when making attainment determinations.

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.

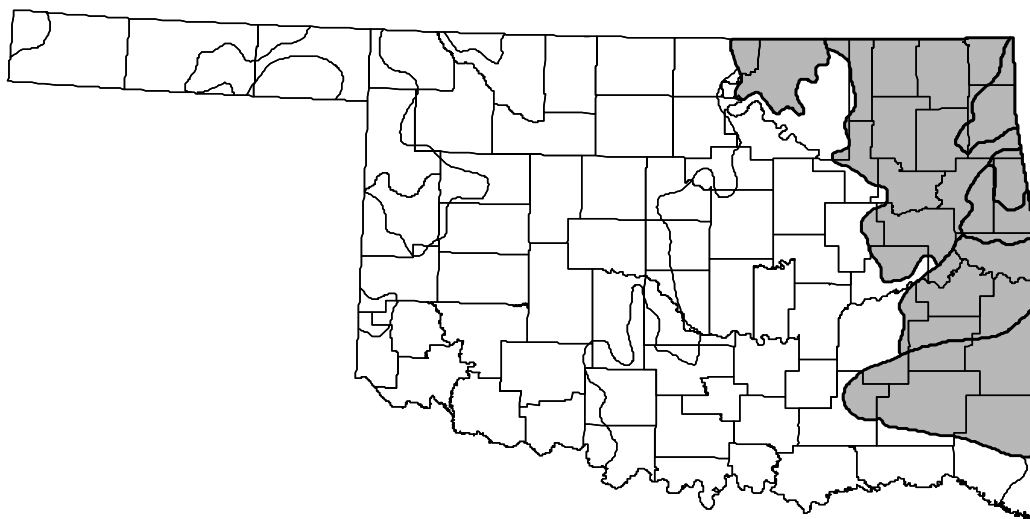
The F&WP beneficial use is considered *not attained with respect to biological criteria* if:

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 6 Ecoregions Where Biocriteria Have Been Established



Turbidity

A minimum of ten (10) samples 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:

the numerical criteria yield a determination of "fully supporting" using the default protocol for short-term average parameters.

or

the numerical criteria yield a determination of "fully supporting but threatened" using the default protocol for short-term average parameters ***if*** 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:

the numerical criteria yield a determination of "not supporting" using the default protocol for short-term average parameters

or

the numerical criteria yield a determination of "fully supporting but threatened" using the default protocol for short-term average parameters ***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 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 ± 2 Strahler stream orders as the test stream
- the reference streams or reaches must be representative of the historic or average condition of the *least impacted streams* within the region

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 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 pools is less than 70% of that of the reference condition

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 11 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 <i>Attained</i> With Respect To Unassessed Toxicants	F&WP <i>Attained</i> With Respect To Unassessed Toxicants
	Not Enough Information	F&WP <i>Attained</i> With Respect To Unassessed Toxicants	<i>Not Enough Information</i> to Determine F&WP Attainment With Respect to Unassessed Toxicants

Primary Body Contact Recreation (PBCR)

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

Fecal Coliform

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.

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)

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.

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

and

no sample exceeds 406 colonies/100 mL (235 colonies/100 mL for Scenic Rivers and lakes) during the recreation season (May 1 – September 30)

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

or

any sample exceeds 406 colonies/100 mL (235 colonies/100 mL for Scenic Rivers and lakes) during the recreation season (May 1 – September 30)

Enterococci

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.

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

and

no sample exceeds 406 colonies/100 mL (61 colonies/100 mL for Scenic Rivers and lakes) during the recreation season (May 1 – September 30)

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

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

or

any sample exceeds 406 colonies/100 mL (61 colonies/100 mL for Scenic Rivers and lakes) during the recreation season (May 1 – September 30)

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)

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.

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

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

Chlorides, Sulfates, TDS

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

The Agriculture beneficial use is considered *attained with respect to Chlorides, Sulfates, or TDS* if:

no TDS sample exceeds the yearly mean standard (YMS) or sample standard (SS) for TDS as listed in the Oklahoma Water Quality Standards (OAC 785:45 Appendix F) or site-specific/watershed-specific TDS criterion

or

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

and

10% or fewer chlorides and sulfates samples exceed the sample standard (SS) for those pollutants 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, Sulfates, or TDS* if:

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

or

the mean of the samples exceeds the yearly mean standard (YMS) for that pollutant 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.

Hydroelectric Power Generation

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

Municipal & Industrial Process & Cooling Water (M&I)

The M&I beneficial use is considered attained if the Agriculture beneficial use is attained.

Aesthetics

Nutrients

The Aesthetics beneficial use is considered *attained with respect to nutrients* if a nutrient impairment study yields a results 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 and application of the alternative to dichotomous process specified in OAC 785:45-15-10 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.

The Aesthetics beneficial use is considered *attained with respect to phosphorus* if 10% or fewer of the samples from a waterbody designated as a Scenic River have a phosphorus concentration of more than 0.037 mg/L.

The Aesthetics beneficial use is considered *not attained with respect to phosphorus* if more than 10% of the samples from a waterbody designated as a Scenic River have a phosphorus concentration of more than 0.037 mg/L.

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.

Sediment

A habitat assessment shall 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 historical 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 ± 2 Strahler stream orders as the test stream

the reference streams or reaches must be representative of the historic or average condition of the *least impacted streams* within the region

The Aesthetics beneficial use is considered *attained with respect to sediment* if either of the following conditions is true:

pools greater than 0.5 meter deep are free of soft, unconsolidated sediment deposits

the total area of pool bottoms having soft, unconsolidated sediment deposits is no more than 25% greater than that of the reference condition

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 consumption restriction is imposed

a fish or shellfish ban is in effect for a sub-population thereof

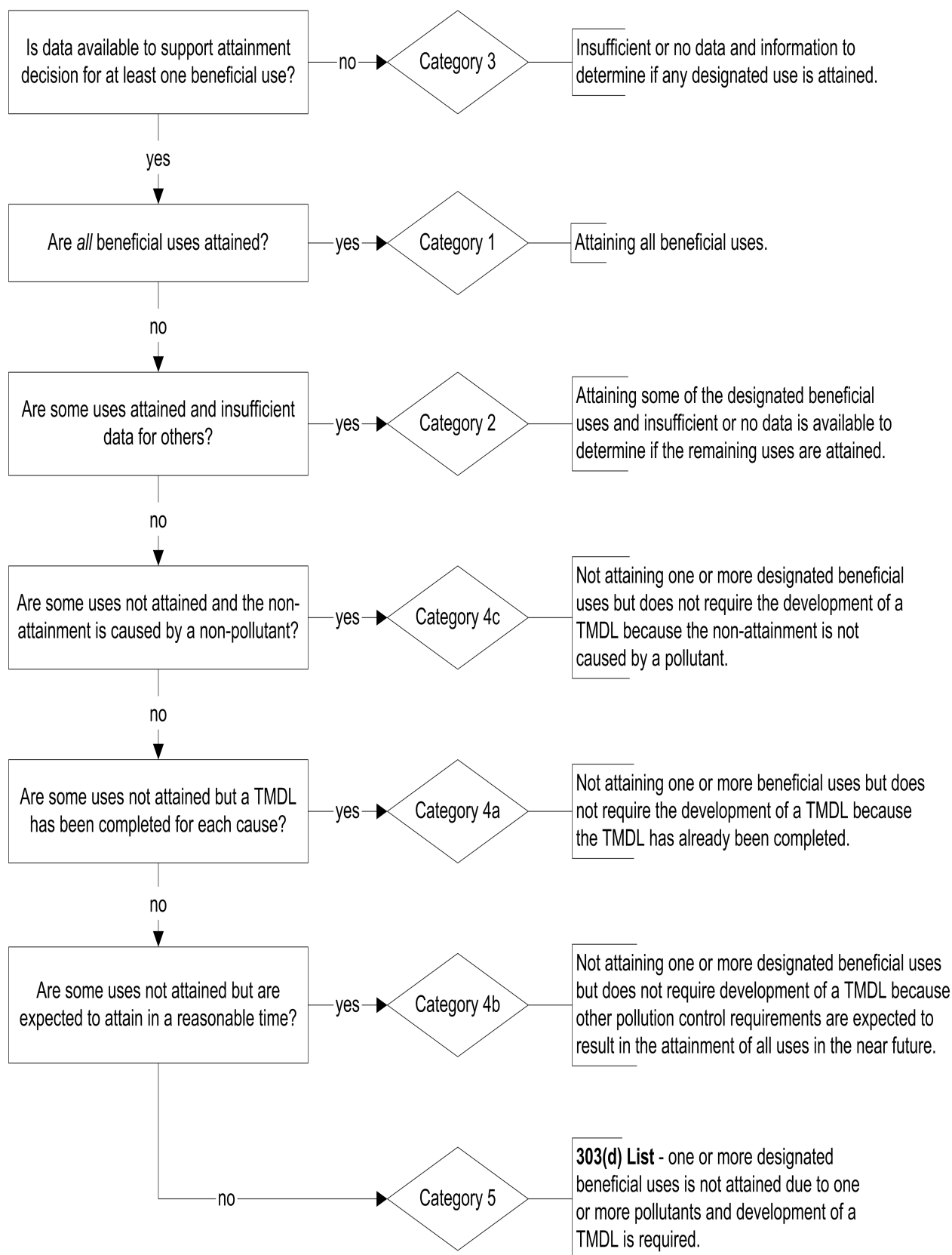
an aquatic life closure is in effect

a "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 below should be used to assign each waterbody to an appropriate category.

Figure 7 Integrated Report Category Decision Tree



Causes of Non-Attainment

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

The following causes and cause codes 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.

Fish & Wildlife Propagation

Dissolved Oxygen

1200 Organic Enrichment / Low DO

1210 Organic Enrichment

1220 Low Dissolved Oxygen

Toxicants

100 Unknown Toxicity

200 Pesticides

300 Priority Organics

400 Nonpriority Organics

410 PCBs

500 Metals

510 Arsenic

520 Cadmium

530 Copper

540 Chromium

550 Lead

560 Mercury

570 Selenium

580 Zinc

600 Ammonia

700 Chlorine

720 Cyanide

800 Other Inorganics

2400 Total toxics

pH

1000 pH

Turbidity

2500 Turbidity

Oil & Grease

1900 Oil & Grease

Sediment

1100 Siltation

Other Parameters

1400 Thermal Modifications

Primary Body Contact Recreation

1700 Pathogens

Secondary Body Contact Recreation

1700 Pathogens

Public & Private Water Supply

Toxicants

100 Unknown Toxicity
200 Pesticides
300 Priority Organics
400 Nonpriority Organics
410 PCBs
500 Metals
510 Arsenic
520 Cadmium
530 Copper
540 Chromium
550 Lead
560 Mercury
570 Selenium
580 Zinc
600 Ammonia
720 Cyanide
800 Other Inorganics

Total Coliform

1700 Pathogens

Oil & Grease

1900 Oil & Grease

Other Parameters

1800 Radiation

Agriculture

750 Sulfates
1300 Salinity/TDS/Chlorides
1320 Total Dissolved Solids
1330 Chlorides

Municipal & Industrial Process & Cooling Water

750 Sulfates
1300 Salinity/TDS/Chlorides
1320 Total Dissolved Solids
1330 Chlorides

Aesthetics

Nutrients

900 Nutrients
910 Phosphorus
920 Nitrogen
930 Nitrate
990 Other Nutrients

Oil & Grease

1900 Oil & Grease

Sediment

1100 Siltation

Other Parameters

2000 Taste & Odor

Fish Consumption

Raw Water Toxicants

100 Unknown Toxicity
200 Pesticides
300 Priority Organics
400 Nonpriority Organics
500 Metals
510 Arsenic
520 Cadmium
540 Chromium
550 Lead
560 Mercury
800 Other Inorganics

Other Parameters

The following cause codes are included in the assessment database and EPA guidance documents. However, there are no corresponding State numerical or narrative water quality criteria for these causes. They are listed here for the sake of completeness.

0 Cause Unknown
250 Atrazine
420 Dioxins
1310 Salinity
1500 Flow Alteration
1600 Other Habitat Alterations
2100 Suspended Solids
2200 Noxious Aquatic Plants
2210 Algal Growth/ Chlorophyll 'a'
2600 Exotic species

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.

A partial list of sources is shown below. Other source codes may be added as the need arises.

Table 12 provides guidance on how to determine sources of impairment for various categories.

0100 Industrial Point Sources
0110 Major Industrial Point Sources
0120 Minor Industrial Point Sources
0200 Municipal Point Sources
0210 Major Municipal Point Sources—dry and/or wet weather discharges
0212 Major Municipal Point Sources—dry weather discharges
0214 Major Municipal Point Sources—wet weather discharges
0220 Minor Municipal Point Sources—dry and/or wet weather discharges
0222 Minor Municipal Point Sources—dry weather discharges
0224 Minor Municipal Point Sources—wet weather discharges
0230 Package Plants (Small Flows)
0400 Combined Sewer Overflow
0500 Collection System Failure
0900 Domestic Wastewater Lagoon
1000 Agriculture
1050 Crop-related Sources
1100 Nonirrigated Crop Production
1200 Irrigated Crop Production
1300 Specialty Crop Production (e.g., horticulture, citrus, nuts, fruits)
1350 Grazing-related Sources
1400 Pasture grazing—Riparian and/or Upland
1410 Pasture Grazing--Riparian
1420 Pasture Grazing--Upland
1500 Range Grazing—Riparian and/or Upland
1510 Range Grazing--Riparian
1520 Range Grazing--Upland
1600 Intensive Animal Feeding Operations
1620 Concentrated Animal Feeding Operations (CAFOs; permitted, PS)
1640 Confined Animal Feeding Operations (NPS)
1700 Aquaculture
2000 Silviculture
2100 Harvesting, Restoration, Residue Management
2200 Forest Management (e.g., pumped drainage, fertilization, pesticide application)
2300 Logging Road Construction/Maintenance
2400 Silvicultural Point Sources
3000 Construction
3100 Highway/Road/Bridge Construction

3200 Land Development
4000 Urban Runoff/Storm Sewers
4100 Nonindustrial Permitted
4200 Industrial Permitted
4300 Other Urban Runoff
4400 Illicit connections/illegal hook-ups/dry weather flows
4500 Highway/Road/Bridge Runoff
4600 Erosion and Sedimentation
5000 Resource Extraction
5100 Surface Mining
5200 Subsurface Mining
5300 Placer Mining
5400 Dredge Mining
5500 Petroleum Activities
5600 Mill Tailings
5700 Mine Tailings
5800 Acid Mine Drainage
5900 Abandoned mining
5950 Inactive mining
6000 Land Disposal
6100 Sludge
6200 Wastewater
6300 Landfills
6350 Inappropriate Waste Disposal/Wildcat Dumping
6400 Industrial Land Treatment
6500 Onsite Wastewater Systems (Septic Tanks)
6600 Hazardous Waste
6700 Septage Disposal
7000 Hydromodification
7100 Channelization
7200 Dredging
7300 Dam Construction
7350 Upstream Impoundment
7400 Flow Regulations/Modification
7550 Habitat Modification (other than Hydromodification)
7600 Removal of Riparian Vegetation
7700 Bank or Shoreline Modification/Destabilization
7800 Drainage/Filling of Wetlands
7900 Marinas and Recreational Boating
7910 In-water releases
7920 On-land releases
8050 Erosion from derelict land
8100 Atmospheric Deposition
8200 Waste Storage/Storage Tank Leaks (above ground)
8250 Leaking underground storage tanks
8300 Highway Maintenance and Runoff
8400 Spills (Accidental)
8500 Contaminated Sediments
8520 Debris and bottom deposits
8530 Internal nutrient cycling (primarily lakes)
8540 Sediment resuspension
8600 Natural Sources
8700 Recreation and Tourism Activities (other than Boating; see 7900)
8710 Golf courses
8900 Salt Storage Sites
8910 Groundwater Loadings

8920 Groundwater Withdrawal
8950 Other
9000 Unknown Source
9050 Sources outside State Jurisdiction or Borders

Table 12 Useful Information in Determining Sources of Beneficial Use Non-Attainment

Source Category	Example Types of Information
<u>Industrial Point Sources</u>	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
<u>Municipal Point Sources</u>	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
<u>Combined Sewer Overflows (CSOs)</u>	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
<u>Agricultural Point Sources (E.G., CAFOs)</u>	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
<u>Agriculture</u> (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
<u>Silviculture</u> (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 to 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 WRENS to estimate pollutant loads and likely improvement from BMP implementation • use of water temperature models to 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
<u>Construction</u>	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
<u>Urban Runoff & Storm Sewers</u>	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)
<u>Resource Extraction (PETROLEUM)</u>	Information from monitoring and field observations (primarily to document problem areas or bad actors) • evidence of oil and brine spills affecting sizable 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 • records of recurrent problems with spills, pipeline breaks, over-berming of reserve pits, waste-hauler dumping
<u>Resource Extraction (mainly surface mining)</u>	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)
<u>Land Disposal</u>	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
<u>Hydromodification (dams, flow regulation)</u>	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 to 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)
<u>Hydromodification (channelization, dredging, removal of riparian vegetation, streambank modification, draining/filling of wetlands)</u>	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
<u>Natural</u>	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

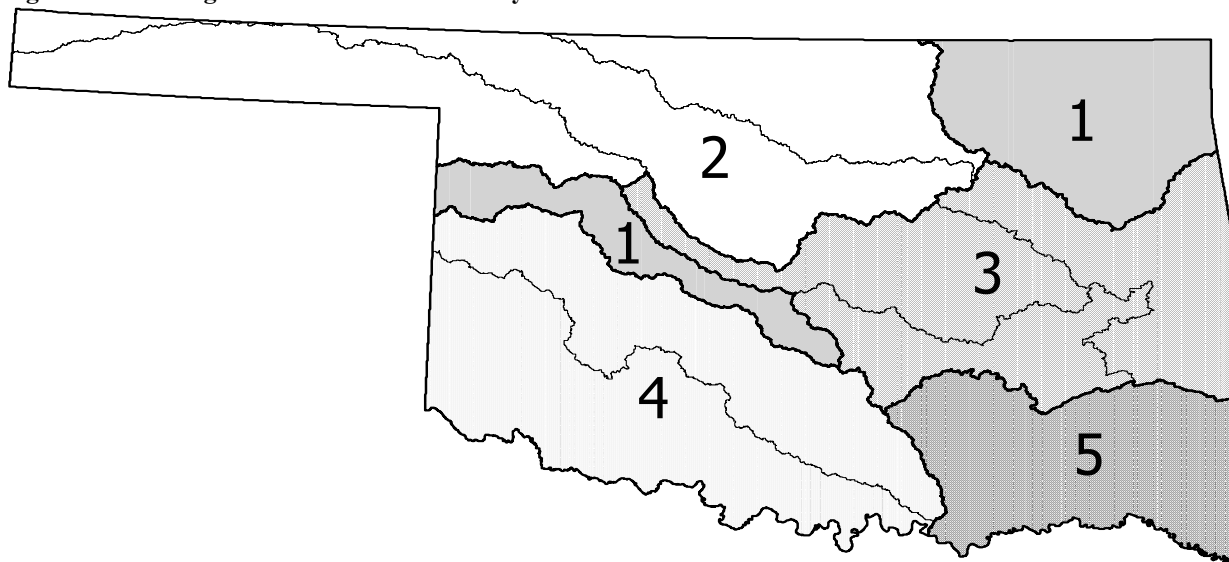
After the final determination of beneficial use attainment is made, two sets of priority ranking must be developed. According to EPA guidelines, priority determinations are to take into account the severity of the impairments and the designated uses of the waters; additional factors are also considered. Waters in Category 5 (the State's 303(d) list) will be categorized into four priority levels: Priority 1, Priority 2, Priority 3, and Priority 4. TMDLs will be scheduled for waters on the list according to the priority ranking. Projects designed to collect data in Category 2 & 3 waterbodies will be scheduled according to a separate priority ranking.

Priority rankings will be assigned primarily based on professional judgement deliberations. Within priority rankings, scheduling will be determined by factors such as resource requirements and limitations, relation to on-going work, and immediate programmatic considerations. Where practicable, the State's Rotating Basin plan (see Figure 8) will be used to schedule data collection projects and TMDL development. The following additional factors will also be considered in assigning priority rankings:

1. Waters with an ORW designation will be assigned to Priority 1.
2. Waters where threatened or endangered aquatic species are known to be present will be assigned to Priority 1.
3. Waters with an impairment that presents a threat to public health will be assigned to Priority 1 or 2.

4. Waters designed as HQW or SWS will be assigned to Priority 1 or 2.
5. Waters with a pending permit renewal, UAA results, flow increase request, new discharge proposal or other immediate programmatic needs will be assigned to Priority 1 or 2.
6. Waters where there are ongoing projects may increase the priority.
7. If work is needed upstream of a listed waterbody before a TMDL can be completed, a lower priority may be assigned. If a waterbody can be included as part of a planned, upstream TMDL, then its priority may be raised.
8. Toxic pollutants and dissolved oxygen impairments may be assigned a higher priority; impairments from nutrients and sediment may be assigned a medium priority; impairments from temperature, minerals, and bacteria may be assigned a lower priority.
9. A high degree of public or political interest may increase the priority.
10. Particularly vulnerable or fragile systems may increase the priority.
11. A high degree of recreational, economic, or aesthetic importance may increase the priority.

Figure 8 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.

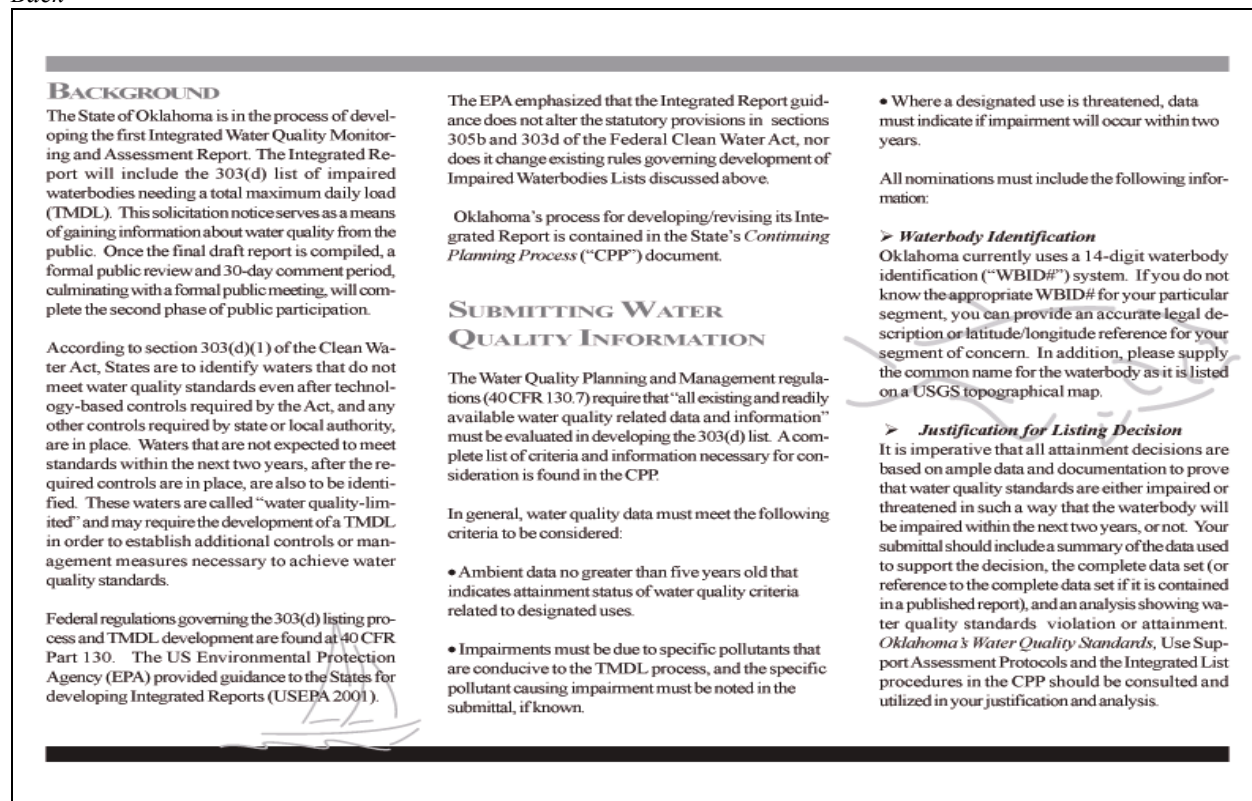
Public participation will be undertaken in two phases. When the process to identify candidate waters began, nominations from the public were solicited. This involved distribution of the mailout shown in Figure 9 in August of 2002. Once the final draft list is compiled, it shall be submitted for formal 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 9 Mailout Request for Public Input

Front



Back



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 10 for a detailed map of the "Major Bedrock Aquifers in Oklahoma" and Figure 11 for the "Alluvium and Terrace Deposits in Oklahoma."

The ODAFF completed a three-year sampling project of private drinking water wells. The project identified those wells potentially at risk from agricultural impacts. Over the three-year period, there were approximately 200 well sites surveyed. A detailed background survey was conducted at each well site to determine potential sources of agricultural impacts. Samples were collected from each well site and analyzed for nitrate-nitrogen and specific pesticides known to be used in the area. No well sites were found to be contaminated by pesticides. Of the 67 wells tested, four contained nitrate-nitrogen levels above the recommended limit of 20 mg/l for a non-community water supply. Recent monitoring near regulated confined animal feeding operation (CAFO) waste lagoons indicate that NO₃ may be escaping.

There are extensive groundwater brine plumes in some old oilfield areas due to the former practice of dumping produced brines into "evaporation pits", which has been banned for years. Brine has migrated from the old pits into underlying soils and groundwater. Drinking water wells in the areas have been rendered un-usable, and many streams are now being impacted by saline groundwater plumes that emanate from the old "evaporation pit" areas. Counties where this has been identified as a known or likely problem include Pottawatomie, Seminole, Kay, Oklahoma, Carter, and Stephens. To determine the extent of this problem, the Corporation Commission and its partners (OWRB, and OCC) have been sampling many streams and several hundred wells per year in old oilfield areas where there was brine production. Most of the 80 plus streams listed in Category 5 for a saline/TDS/chloride cause are a result of this oilfield area sampling program. The complete Corporation Commission sampling dataset can be obtained electronically at

ftp://ftp.deq.state.ok.us/wqd/corp_comm_ground_water_sampling_data.xls

Since 1996 the Corporation Commission has sampled approximately 250 wells, seeps, and other groundwater sources per year in oilfield areas. The purpose of this program has been to identify oilfield areas where oil or brine have contaminated drinking water aquifers, and/or shallow water table aquifers that recharge streams or are used by agriculture. These locations are being cross-referenced with nearby streams in an effort to locate and identify streams that are being impaired by inflow from groundwater brine plumes.

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 700 wells are measured annually to assess long-term trends in groundwater levels and aquifer storage.

The DEQ has 2 monitoring programs that address groundwater: the Public Water Supply Monitoring Program 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

Figure 10 Major Bedrock Aquifers in Oklahoma

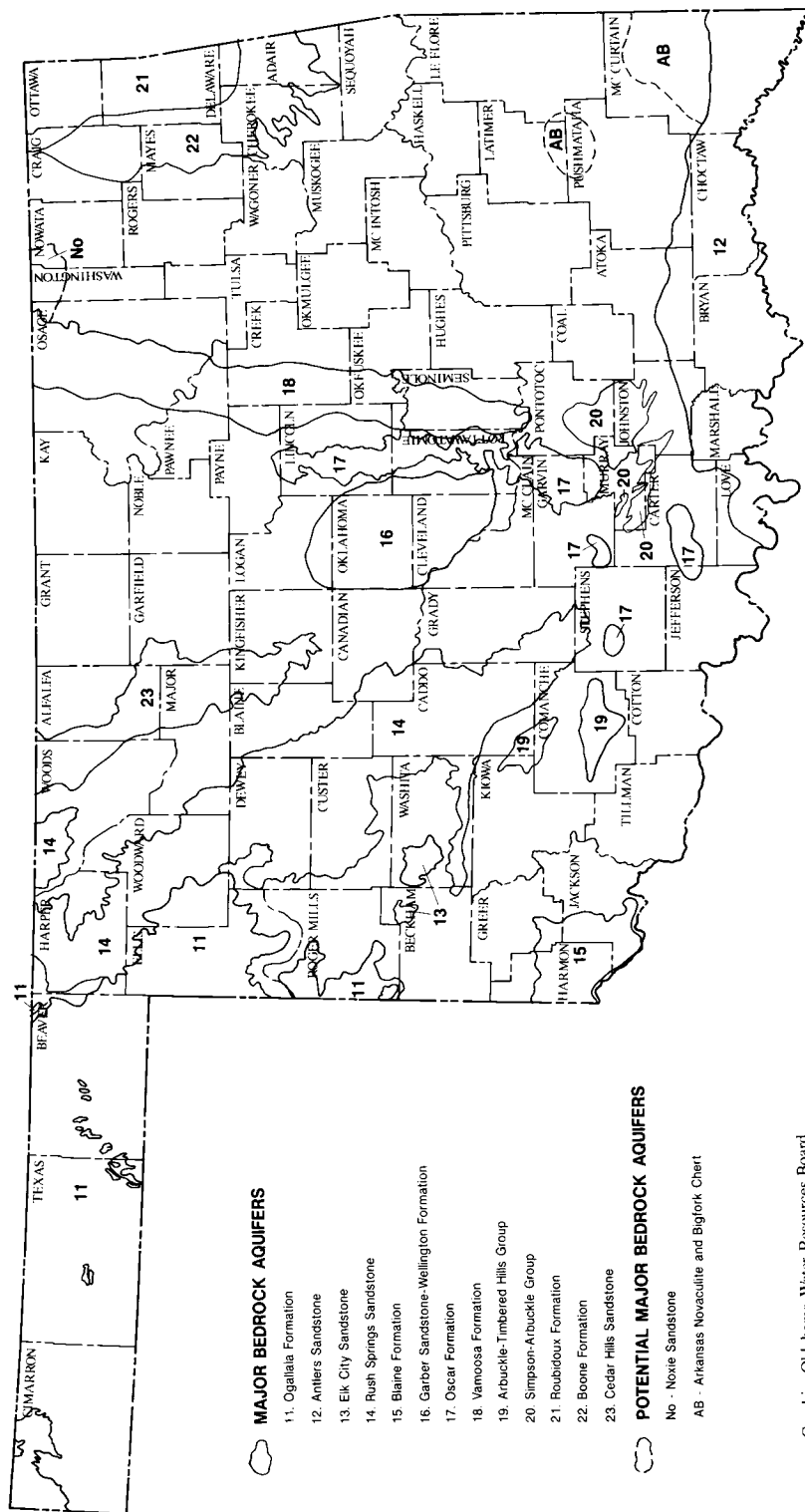
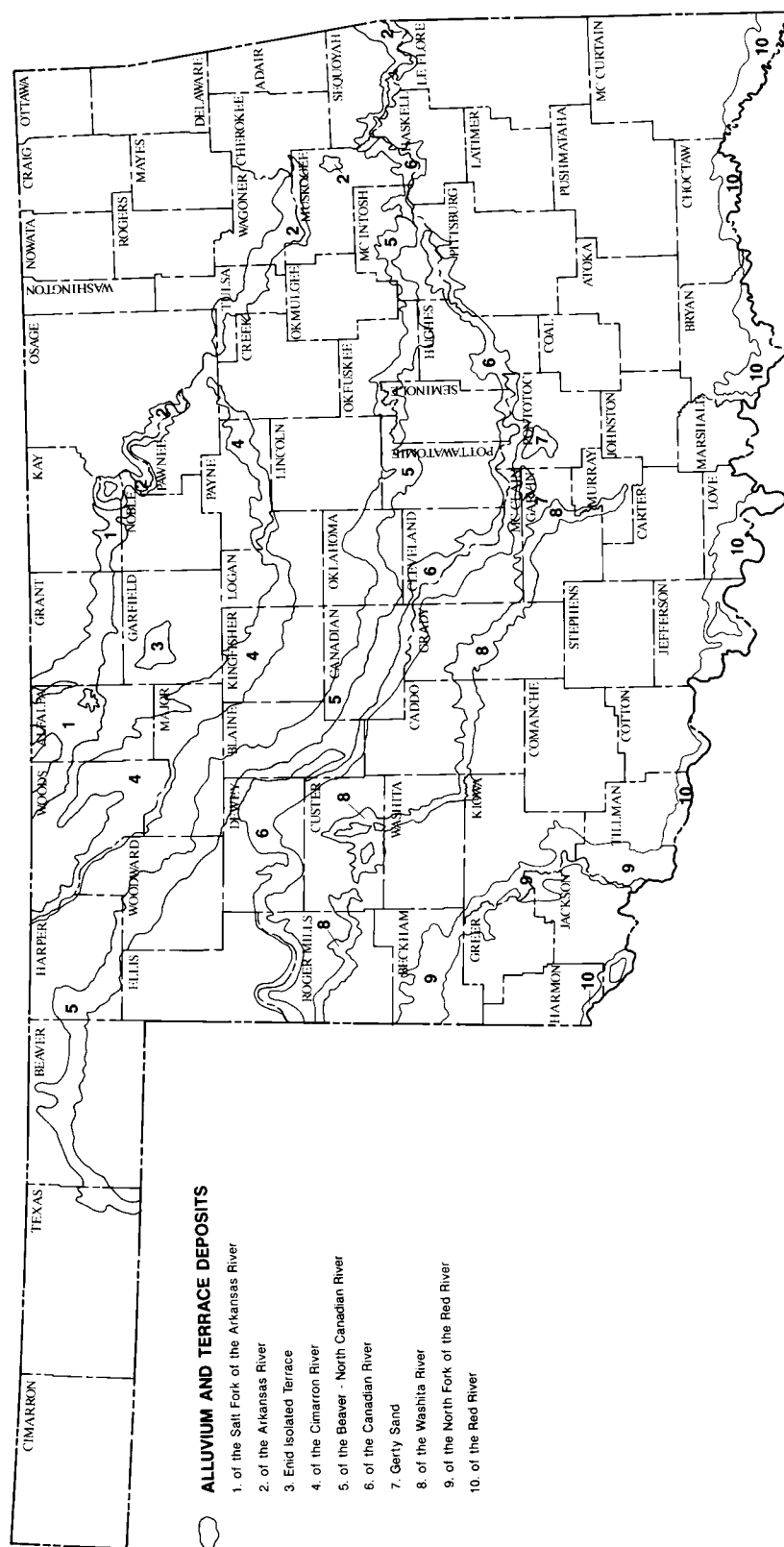


Figure 11 Alluvium and Terrace Deposits in Oklahoma



Graphics-Oklahoma Water Resources Board

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 400 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 monitoring data, once analyzed, verified, and compiled will be made available to State agencies, federal agencies, and the citizens of Oklahoma for their use. Trends established by this ambient monitoring program can be used to identify sources of polluted runoff that potentially could adversely impact vulnerable groundwater resources.

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 aquifers, please refer to the maps "Alluvium and Terrace Deposits in Oklahoma" and "Major Bedrock Aquifers in Oklahoma".

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.

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.

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 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 because of 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 13. The relative priority of each source is ranked from one to five with one being the most severe. 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).

Table 13 Major Sources of Contamination

Contaminant Sources	Ten Highest Priority Sources	Factors Considered in Selecting a Contaminant Source¹	Contaminants²
<i>Agricultural Activities</i>			
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			
<i>Storage and Treatment Activities</i>			
Land Application	√	C - D - E	D - E - H - J - L
Material Stockpiles			
Storage Tanks (Above Ground)			
Storage Tanks (Underground)	√	A - C - E	D

Contaminant Sources	Ten Highest Priority Sources	Factors Considered in Selecting a Contaminant Source ¹	Contaminants ²
Surface Impoundments	√	A - C - D - E	D - E - G - H - J - L
Waste Piles			
Waste Tailings			
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			
Pipelines and Sewer Lines			
Salt Storage and Road Salting			
Salt Water Intrusion	√	C - D - E	G - D
Spills			
Transportation of Materials			
Urban Runoff			
Other Sources Abandon Wells (Unplugged)	√	A - C - D - E	A - B - D - E - G - J - L - M

KEY TO TABLE 13

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 Contaminate

Overview of State Groundwater Protection Programs

Table 14 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 14 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
Resource Conservation and Recovery Act (RCRA) Primacy	√	FE	DEQ
State Superfund	√	CE	DEQ

Program or Activities	Check if active	Implementation Status	Responsible Agency
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
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 14

1	2
CE Continuing Efforts FE Fully Established NA Not Applicable P Pending UD Under Development UR Under Revision	DEQ- Oklahoma Department of Environmental Quality OCC- Oklahoma Conservation Commission Corp. Comm.- Oklahoma Cooperation Commission OWRB- Oklahoma Water Resources Board ODAFF- Oklahoma Department of Agriculture Food and Forestry * Indicates multiple agency input into the program

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 educational programs and voluntary implementation of best management practices to reduce or eliminate the need for restrictive regulatory protection.

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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). Under this regulation, a *community water system* is defined as "any public water supply system, which serves residents on at least ten service connections or regularly serves twenty-five residents." A *non-transient non-community water system* is "any public water supply system that is not a community water system and that regularly serves at least twenty-five of the same persons over six months per year. This definition includes but may not be limited to schools, day care centers, industries and other places of employment." A *non-community water system* is "any public water supply system which is neither a community water system nor a non-transient non-community water system." Tables 15 and 16 list 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 15 - PUBLIC WATER SUPPLY STANDARDS VIOLATIONS: NITRATE (NO₂-NO₃), MAXIMUM ALLOWABLE LIMIT - 10 MG/L (PPM).

AQUIFER	COUNTY	SYSTEM NAME	DATE VIOLATION CONFIRMED	CURRENT LEVEL-DATE
Arkansas River, Salt Fork	Grant	Deer Creek	Dec 2002	11-Dec-2002
Cimarron Terrace	Woods	Waynoka	Aug 2000	12-Nov 2002
Cimarron Terrace	Major	Major Co RWD #1	Mar 2002	11-Nov 2002
Cimarron Terrace	Kingfisher	Hennessey	Aug 2000	12-Dec 2002
Cimarron Terrace	Kingfisher	Hennessey	May 1993	12-Dec 2002
Elk City SS	Washita	Cordell	Oct 2001	19-Oct 2002
North Canadian Alluvium	Blaine	North Blaine Water	Sept 1995	12-Feb-1998
North Canadian Alluvium	Kingfisher	Okarche	Dec 2001	11-Dec 2002
North Fork Red Terrace	Beckham	Delhi Water Corp	May 2001	11-Oct 2002
Ogallala	Ellis	Fargo	Dec 2002	11-2002
Red River Alluvium	Cotton	Cotton Co. RWD #1	Mar 2001	15-Nov 2002
Red River, Salt Fork Terrace	Harmon	Hollis	Aug 2000	12-Nov 2002

Table 16 - PUBLIC WATER SUPPLY STANDARDS VIOLATIONS: TRICHLOROETHENE, MAXIMUM ALLOWABLE LIMIT- 0.005 MG/L

AQUIFER	COUNTY	SYSTEM NAME	DATE VIOLATION CONFIRMED	CURRENT LEVEL-DATE
South Canadian Alluvium	Cleveland	Lexington	Oct 2000	0.059-Jan 2002
South Canadian Alluvium	Cleveland	Lexington	Dec 2001	0.003-Nov 2002

Citizen Monitoring

The State considers data gathered by interested citizens of the state of Oklahoma to be an important part of the water quality assessment process as a whole. However, this data was not used to make formal beneficial use attainment decisions and is presented here for information purposes only.

Two organizations that help by contributing to this process are Blue Thumb and Oklahoma Water Watch. Data collected from Blue Thumb is included in Appendix B, while data collected from Oklahoma Water Watch is included in Appendix C. For more information on Blue Thumb, contact the Oklahoma Conservation Commission. For more information on Oklahoma Water Watch, contact the Oklahoma Water Resources Board.

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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, twelve-digit identifier. For example,

OK311500030010, 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"

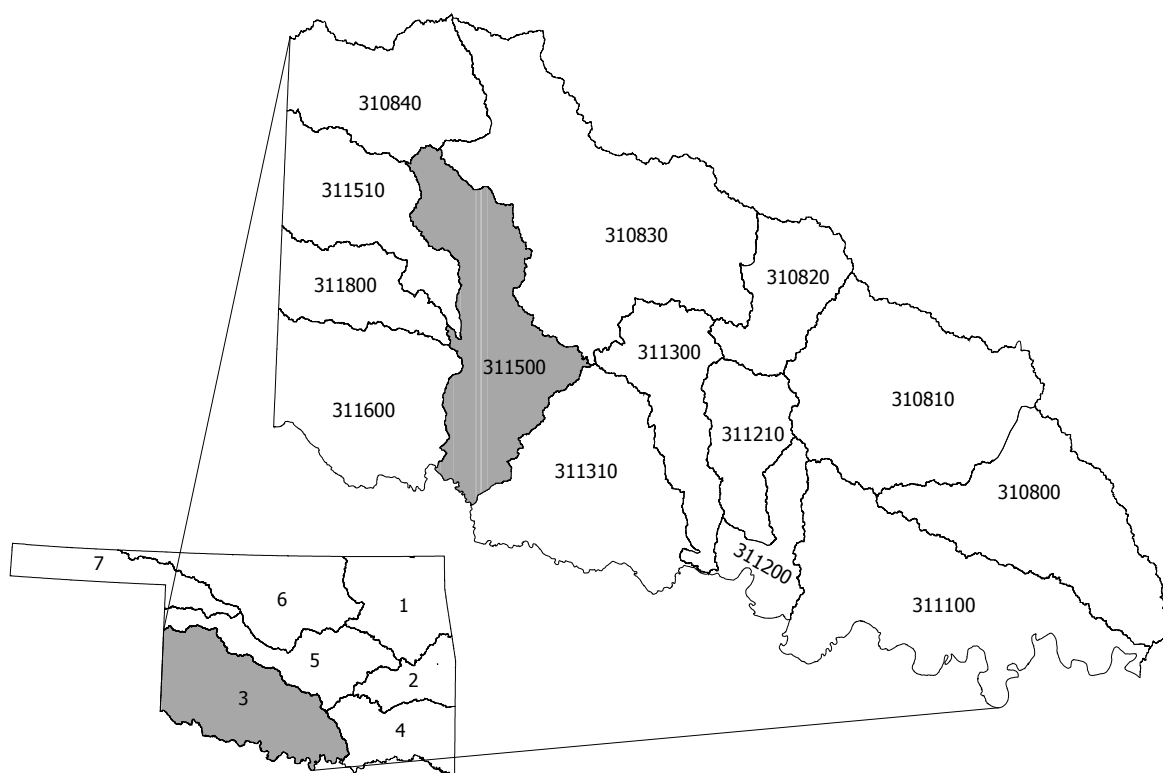
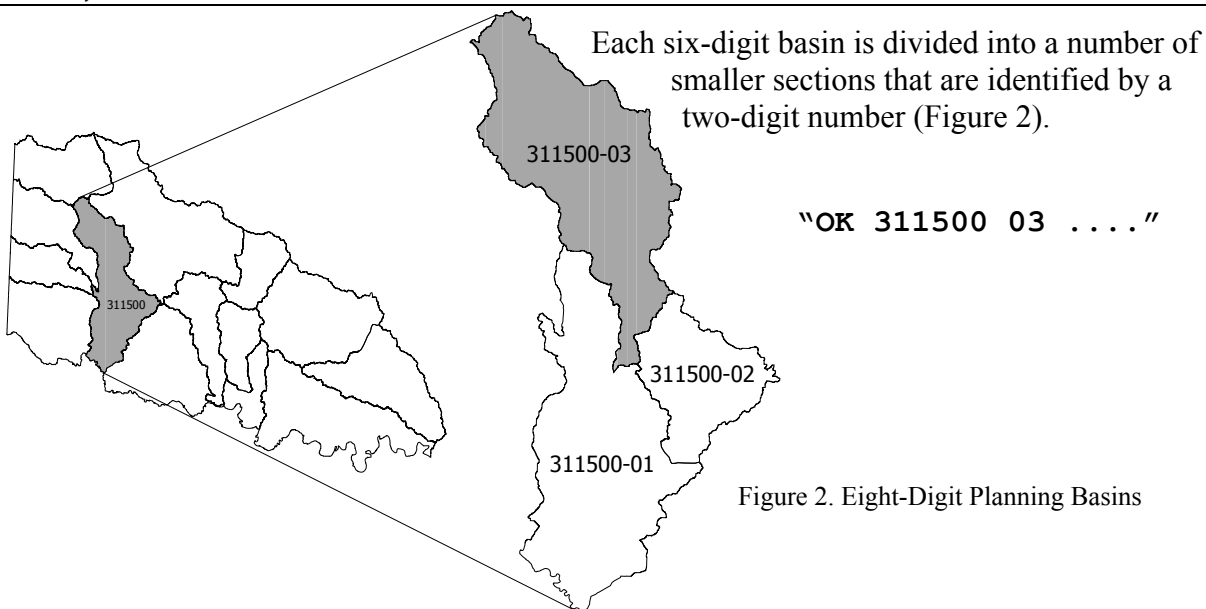


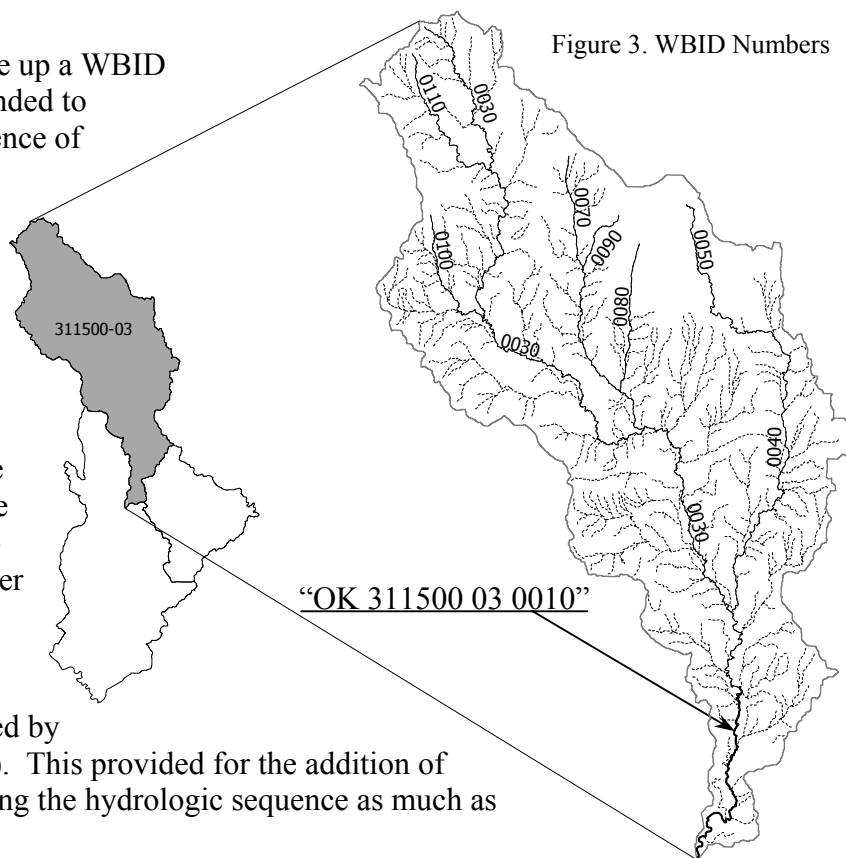
Figure 1. Six-Digit Planning Basins

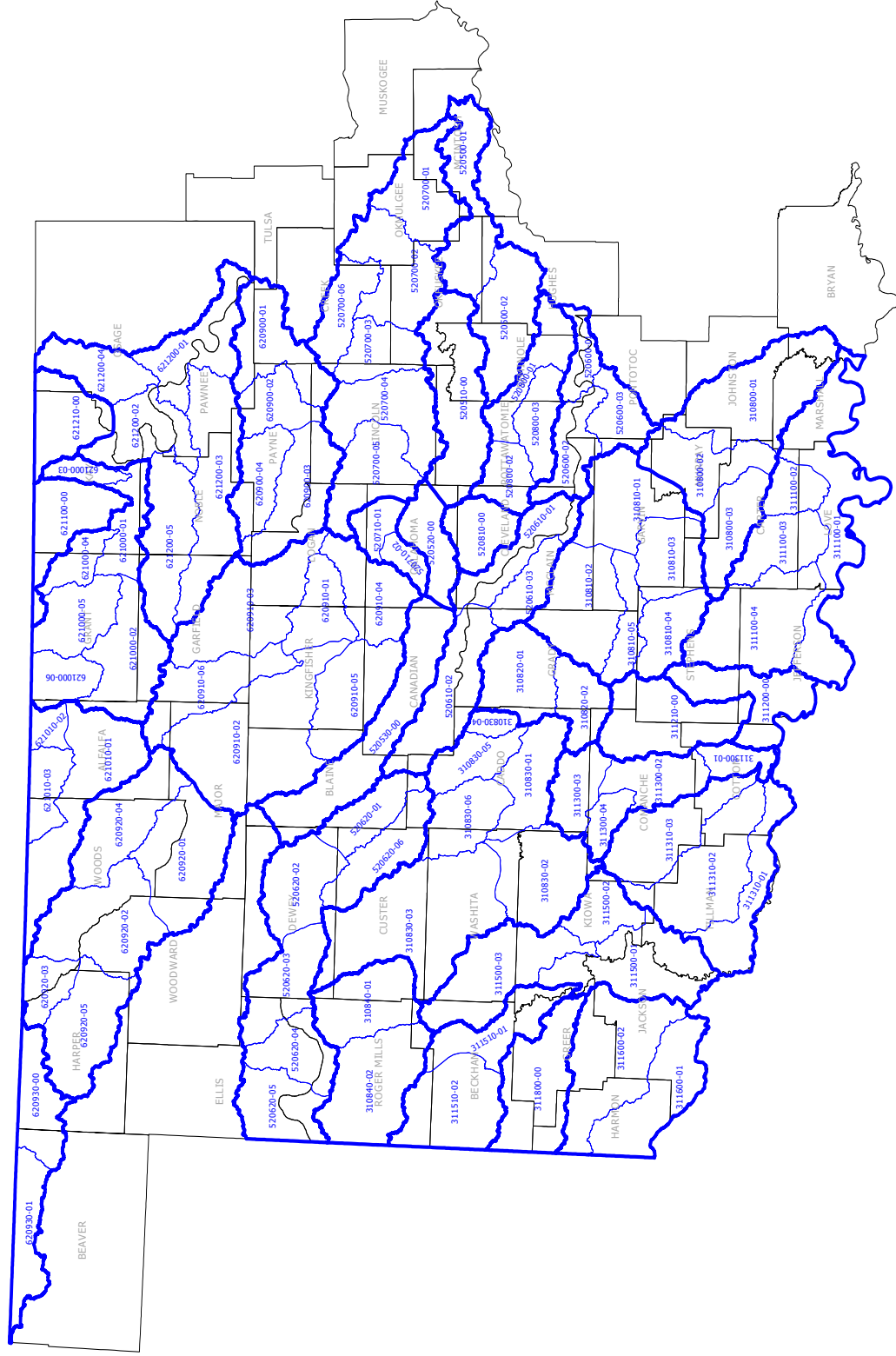


The last four digits that make up a WBID number were originally intended to represent a hydrologic sequence of waterbodies, going from the most downstream point in the eight-digit watershed up to the furthest upstream point in the watershed. Not all waterbodies have an identification number, primarily 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).

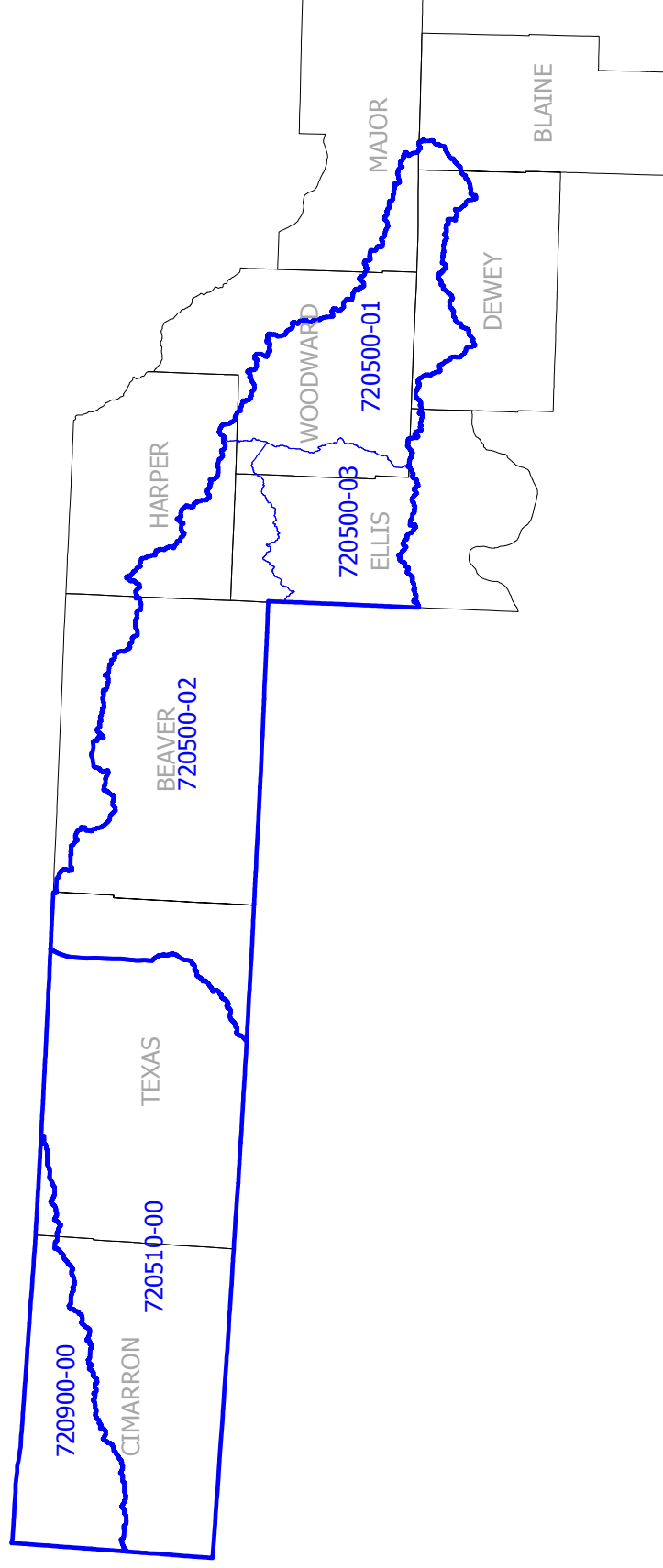
By convention, the last four digits were originally selected by tens (e.g., 0010, 0020, 0030). This provided for the addition of waterbodies while maintaining the hydrologic sequence as much as possible.

A waterbody may 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 (e.g., _00, _10, _20).





Oklahoma 8-digit Planning Basins 3, 5, and 6



Oklahoma 8-digit Planning Basin 7

Appendix B

Comprehensive Waterbody Assessment Category List

OKWBID	NAME	TYPE	SIZE (Lake Acres or Stream Miles)	CATEGORY	Monitoring Date	TMDL Date	Aesthetics	Agriculture	Cool Water Aquatic Community	Emergency Water Supply	Fish Consumption	Habitat Limited Aquatic Community	High Quality Water	Hydropower Generation	Industry	Navigation	Outstanding Resource	Primary Contact (Recreation)	Public/Private Water Supply	Secondary Contact (Recreation)	Sensitive Water Supply	Trout Fishery	Warm Water Aquatic Community
OK120400010010_00	Arkansas River	R	9	2	2008		I	X						A	X	A		X	X				X
OK120400010030_00	Dog Branch Creek	R	5	3	2013		X	X							X			X					X
OK120400010040_00	Taylor Creek	R	4	3	2013		X	X							X			X					X
OK120400010050_00	Cedar Creek	R	5	3	2013		X	X							X			X					X
OK120400010060_00	Arkansas River	R	15	3	2008		I	X							X			X					X
OK120400010070_00	Webbers Falls Lake	L	11,600	5		2006	I	I		A				A	I	A		I					N
OK120400010080_00	Big Branch	R	2	3	2013		X	X							X			X					X
OK120400010090_00	Sulphur Branch	R	4	3	2013		X	X							X			X					X
OK120400010100_00	Greenleaf Creek	R	1	3	2013		X	X							X			X					X
OK120400010110_00	Little Greenleaf Creek	R	8	3	2013		X	X							X			X					X
OK120400010120_00	Greenleaf Creek	R	21	2		2009	A	A							A			X					A
OK120400010130_00	Greenleaf Lake	L	920	2	2008		A	I							I			I	I				I
OK120400010140_00	Deep Branch	R	5	3	2013		X	X							X			X					X
OK120400010150_00	Spaniard Creek	R	1	3	2013		X	X							X			X					X
OK120400010160_00	Spaniard Creek, East	R	6	3	2013		X	X							X			X					X
OK120400010170_00	Spaniard Creek, West	R	6	3	2013		X	X							X			X					X
OK120400010180_00	White Oak Creel	R	4	3	2013		X	X							X			X					X
OK120400010190_00	Gibson Hollow Creek	R	3	3	2013		X	X							X			X					X
OK120400010200_00	Bob Warren Creek	R	5	3	2013		X	X							X			X					X
OK120400010210_00	Spaniard Creek	R	12	3	2013		X	X							X			X					X
OK120400010220_00	Coal Creek	R	6	3	2013		X	X							X			X					X
OK120400010230_00	Star Oxbow Lake	L	1	3	2013		X	X							X			X					X
OK120400010240_00	Sand Creek	R	7	3	2013		X	X							X			X					X
OK120400010250_00	Salt Creek	R	4	3	2013		X	X							X			X					X
OK120400010260_00	Arkansas River	R	15	5		2009	I	A							A			N					I
OK120400010270_00	Bondinot Creek	R	8	3	2013		X	X							X			X					X

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OK120400010280_00	Bayou Manard	R	14	3	2013		X	X							X			X					X
OK120400010290_00	Shimoon Creek	R	2	3	2013		X	X							X			X					X
OK120400010300_00	Fort Gibson Creek	R	4	3	2013		X	X							X			X					X
OK120400010310_00	Walker Branch	R	5	3	2013		X	X							X			X					X
OK120400010320_00	Fourmile Branch	R	4	3	2013		X	X							X			X					X
OK120400010330_00	Brooks Branch (Limestone Hollow Creek)	R	4	3	2013		X	X							X			X					X
OK120400010340_00	Hicks Branch	R	5	3	2013		X	X							X			X					X
OK120400010350_00	Fire Branch	R	3	3	2013		X	X							X			X					X
OK120400010360_00	Mill Creek	R	6	3	2013		X	X							X			X					X
OK120400010370_00	Bobtail Creek	R	7	3	2013		X	X							X			X					X
OK120400010380_00	Gulager Spring Branch	R	5	3	2013		X	X							X			X					X
OK120400010390_00	Eureka Springs Branch	R	6	3	2013		X	X							X			X	X				X
OK120400010400_00	Coody Creek	R	14	3	2005		X	I							X			X	X				I
OK120400010410_00	Sam Creek	R	9	3	2013		X	X							X			X					X
OK120400010420_00	Corta Creek	R	8	3	2013		X	X							X			X					X
OK120400010430_00	Bacone Creek	R	2	3	2013		X	X							X			X					X
OK120400010440_00	Ross Lake	L	1	3	2013		X	X							X			X					X
OK120400010450_00	Horseshoe Lake	L	1	3	2013		X	X							X			X					X
OK120400020010_00	Dirty Creek	R	45	3	2008		X	X							X			X	X				I
OK120400020020_00	Sulphur Creek	R	7	3	2013		X	X							X			X					X
OK120400020030_00	Dirty Creek, South Fork	R	16	5		2005	A	X							X			I					N
OK120400020040_00	Starvilla Creek	R	8	3	2013		X	X							X			X					X
OK120400020050_00	Pourum Creek	R	2	3	2013		X	X				X			X					X			
OK120400020060_00	Pourum Creek, East	R	4	3	2013		X	X				X			X					X			
OK120400020070_00	Pourum Creek, West	R	3	3	2013		X	X							X			X					X
OK120400020080_00	Gap Prairie Creek	R	4	3	2013		X	X							X			X					X
OK120400020090_00	Tiener Branch	R	4	3	2013		X	X							X			X					X
OK120400020100_00	Salt Springs Creek	R	3	3	2013		X	X							X			X					X
OK120400020110_00	Dirty Creek, Georges Fork	R	11	2	2008		X	X		A					X			X					X

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OK120400020120_00	Howland Creek	R	4	3	2013		X	X							X			X					X
OK120400020130_00	Warner Creek	R	6	3	2013		X	X							X			X					X
OK120400020140_00	Warner Lake	L	13	3	2013		X	X							X			X					X
OK120400020150_00	Nebo Creek	R	7	3	2013		X	X							X			X					X
OK120400020160_00	Butler Creek	R	15	3	2008		X	X							X			X					X
OK120400020170_00	Timberley Creek	R	5	3	2013		X	X							X			X					X
OK120400020180_00	Anderson Creek	R	11	3	2013		X	X							X			X					X
OK120400020190_00	Elk Creek	R	16	3	2008		X	X							X			X					X
OK120400020200_00	Wayside Creek	R	13	3	2013		X	X							X			X					X
OK120400020210_00	Honey Springs Branch	R	2	3	2013		X	X							X			X					X
OK120400020220_00	Council Hill Creek	R	13	3	2013		X	X							X			X					X
OK120400020230_00	Checotah Creek	R	9	3	2013		X	X							X			X					X
OK120400020240_00	Shady Grove Creek	R	11	3	2008		X	X							X			X					X
OK120410010010_00	Arkansas River	R	13	2	2008		X	X		A				A	X	A				X			X
OK120410010020_00	Muskogee Creek, North	R	9	3	2013		X	X							X			X					X
OK120410010030_00	Pecan Creek	R	20	3	2013		X	X							X			X	X				X
OK120410010040_00	Taft Creek	R	5	3	2013		X	X							X			X					X
OK120410010050_00	Taft Institute Lake	L	1	3	2013		X	X							X			X					X
OK120410010060_00	Blue Creek	R	8	3	2013		X	X							X			X					X
OK120410010070_00	Porter Creek	R	5	3	2013		X	X							X			X					X
OK120410010080_00	Arkansas River	R	29	5		2005	I	N		A	I			A	I	A				N			I
OK120410010080_10	Arkansas River	R	5	3	2013		X	X		X	X			X	X	X				X			X
OK120410010090_00	Yellow Water Ditch	R	9	3	2013		X	X							X			X					X
OK120410010100_00	Cloud Creek	R	8	3	2008		I	X							X			X	X				I
OK120410010110_00	Ash Creek	R	17	3	2013		X	X							X			X	X				X
OK120410010120_00	Salt Creek	R	12	3	2013		X	X							X			X					X
OK120410010130_00	Coal Creek	R	8	3	2013		X	X							X			X					X
OK120410010140_00	Haskell Lake	L	14	3	2013		X	X							X			X					X
OK120410010150_00	Concharty Creek	R	14	3	2013		X	X							X			X					X
OK120410010160_00	Coweta Creek	R	14	3	2013		X	X							X			X					X

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OK120410010170_00	Cedar Creek	R	10	3	2013		X	X							X			X					X
OK120410010180_00	Mountain Creek	R	8	3	2013		X	X							X			X					X
OK120410010190_00	Bixhoma Lake	L	110	5		2006	A	I							I			I					N
OK120410010200_00	Broken Arrow Creek	R	10	3	2013		I	I							X			X					I
OK120410010210_00	Haikey Creek	R	11	5		2009	I	I							X			N					N
OK120410010220_00	Snake Creek	R	28	3	2008		I	X							X			X	X				I
OK120410020010_00	Cloud Creek	R	12	3	2008		I	X							X			X	X				I
OK120410020020_00	Cane Creek	R	25	3	2013		X	X							X			X					X
OK120410020030_00	Walnut Creek	R	6	3	2013		X	X							X			X					X
OK120410020040_00	Little Cane Creek	R	11	3	2013		X	X							X			X					X
OK120410020050_00	Coal Creek	R	9	3	2013		X	X							X			X					X
OK120410020060_00	Boynnton Creek	R	2	3	2013		X	X							X			X					X
OK120410020070_00	Boynnton Lake	L	100	3	2008		X	X							X			X					X
OK120410030010_00	Snake Creek	R	3	3	2008		I	X							X			X	X				I
OK120410030020_00	Rock Creek	R	6	3	2013		X	X							X			X					X
OK120410030030_00	Duck Creek	R	13	3	2013		X	X							X			X					X
OK120410030040_00	Eagle Creek	R	12	3	2013		X	X							X			X					X
OK120410030050_00	Duck Creek, North	R	8	3	2013		X	X							X			X					X
OK120410030060_00	Duck Creek, Middle	R	9	3	2013		X	X							X			X					X
OK120410030070_00	Duck Creek, South	R	9	3	2013		X	X							X			X					X
OK120410030080_00	Boren Lake	L	16	3	2013		X	X							X			X					X
OK120410030090_00	Bruner Creek	R	5	3	2013		X	X							X			X					X
OK120410030100_00	Rock Creek	R	6	3	2013		X	X							X			X					X
OK120420010010_00	Arkansas River	R	24	5		2003	I	A		A	I			A	A	A				X			N
OK120420010020_00	Twin Hills Creek	R	9	3	2013		X	X							X			X					X
OK120420010030_00	Posey Creek	R	7	5		2009	I	I							X			X					N
OK120420010050_00	Joe Creek	R	8	5		2009	I	I							X			I					N
OK120420010060_00	Fred Creek	R	3	5		2009	I	I							X			N					N
OK120420010070_00	Mosser Creek	R	4	5		2009	I	I							X			N					N
OK120420010080_00	Cherry Creek	R	4	3	2013		X	X							X			X					X

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OK120420010090_00	Crow Creek	R	3	5		2009	I	I							X			N					N
OK120420010110_00	Swan Lake	L	15	3	2013		X	X							X			X					X
OK120420010120_00	Berryhill Creek	R	4	3	2013		X	X							X			X					X
OK120420010130_00	Arkansas River	R	13	2	2003		I	A		A	I			A	A	A				X			I
OK120420010140_00	Blackboy Creek	R	4	3	2013		X	X							X			X					X
OK120420010150_00	Sand Springs Creek, East	R	3	3	2013		X	X							X			X					X
OK120420010160_00	Sand Springs Lake	L	14	3	2013		X	X							X			X					X
OK120420010170_00	Harlow Creek	R	6	3	2013		X	X							X			X					X
OK120420010180_00	Prattville Creek	R	6	3	2013		X	X							X			X					X
OK120420010190_00	Sand Springs Creek, West	R	3	3	2013		X	X							X			X					X
OK120420010200_00	Fisher Creek	R	8	3	2013		X	X							X			X					X
OK120420010210_00	Anderson Creek	R	8	3	2013		X	X							X			X					X
OK120420010220_00	Euchee Creek	R	6	3	2013		X	X							X			X					X
OK120420010230_00	Shell Creek	R	5	3	2013		X	X							X			X	X				X
OK120420010240_00	Shell Creek	R	6	3	2013		X	X							X			X	X		X		X
OK120420010250_00	Shell Lake	L	573	2	2013		A	I							I			I	I				I
OK120420010260_00	Phillips Creek	R	3	3	2013		X	X							X			X	X		X		X
OK120420010270_00	Phillips Lake	L	1	3	2013		X	X							X			X					X
OK120420010280_00	Mud Creek	R	5	3	2013		X	X							X			X					X
OK120420010290_00	Sand Creek	R	4	3	2013		X	X							X			X					X
OK120420010300_00	Little Sand Creek	R	3	3	2013		X	X							X			X					X
OK120420010310_00	Brush Creek	R	2	3	2013		X	X							X			X					X
OK120420020010_00	Polecat Creek	R	7	2	2008		A	A							A			X					A
OK120420020020_00	Hager Creek	R	4	3	2013		X	X							X			X					X
OK120420020030_00	Coal Creek	R	8	2	2013		A	A										X	A				A
OK120420020040_00	Nickel Creek	R	12	3	2013		X	X							X			X					X
OK120420020050_00	Polecat Creek	R	38	2	2008		A	A							A			X					A
OK120420020060_00	Rock Creek	R	4	3	2013		X	X							X			X					X
OK120420020070_00	Biven Creek	R	6	3	2013		X	X							X			X					X

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OK120420020080_00	Euchee Creek	R	2	3	2013		X	X							X			X					X
OK120420020090_00	Middle Lake	L	1	3	2013		X	X							X			X					X
OK120420020100_00	Euchee Creek	R	9	3	2013		X	X							X			X					X
OK120420020110_00	Sapulpa Lake	L	67	3	2013		X	X							X			X					X
OK120420020120_00	Rock Creek	R	17	3	2013		X	X							X			X	X		X		X
OK120420020130_00	Sahoma Lake	L	312	2	2008		A	I							I			I	I		X		I
OK120420020140_00	Pretty Water Creek	R	2	3	2013		X	X							X			X	X		X		X
OK120420020150_00	Pretty Water Lake	L	16	3	2013		X	X							X			X	X		X		X
OK120420020160_00	Childres Creek	R	7	5		2009	I	N				X			I					X			
OK120420020170_00	Skull Creek	R	4	3	2013		X	X							X			X					X
OK120420020180_00	Euchee Creek	R	6	3	2013		X	X							X			X					X
OK120420020190_00	Kenyon Creek	R	4	3	2013		X	X							X			X					X
OK120420020200_00	Jackson Creek	R	2	3	2013		X	X							X			X					X
OK120420020210_00	Jackson Lake	L	55	3	2013		X	X							X			X					X
OK120420020220_00	Jay Bird Hollow Creek	R	2	3	2013		X	X							X			X					X
OK120420020230_00	Mountain Creek	R	8	3	2013		X	X							X			X					X
OK120420020240_00	Clear Creek	R	6	3	2013		X	X							X			X					X
OK120420020250_00	Warner Creek	R	2	3	2013		X	X							X			X					X
OK120420020260_00	Little Polecat Creek	R	8	3	2013		X	X							X					X			X
OK120420020270_00	Neversweat Creek	R	4	3	2013		X	X							X			X					X
OK120420020280_00	Kettle Creek	R	4	3	2013		X	X							X			X					X
OK120420020290_00	Polecat Creek	R	25	3	2008		I	I							I			X	I		X		I
OK120420020290_00	Polecat Creek	R	25	3	2008		I	I							I			X	I		X		I
OK120420020300_00	Heyburn Lake	L	880	2	2008		A	I							I			I	I		X		I
OK120420020310_00	Browns Creek	R	8	3	2013		X	X							X			X	X		X		X
OK120420020320_00	Tiger Creek	R	7	3	2013		X	X							X			X	X		X		X
OK120420020330_00	Turkey Creek	R	6	3	2013		X	X							X			X	X		X		X
OK120420020340_00	Rowland Creek	R	4	3	2013		X	X							X			X	X		X		X
OK120420020350_00	Mosquito Creek	R	6	3	2013		X	X							X			X	X		X		X
OK120420020360_00	Winkey Branch, East	R	2	3	2013		X	X							X			X	X		X		X

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OK120420020370_00	Winkey Branch	R	4	3	2013		X	X							X			X	X		X		X
OK120420020380_00	Dog Creek	R	7	3	2013		X	X							X			X	X		X		X
OK120420020390_00	Figure Eight Creek	R	6	3	2013		X	X							X			X	X		X		X
OK120420020400_00	Deep Creek	R	5	3	2013		X	X							X			X	X		X		X
OK120420020410_00	Scholar Creek	R	6	3	2013		X	X							X			X	X		X		X
OK121300010010_00	Bird Creek	R	24	5		2005	I	A			I				A			N	I				N
OK121300010020_00	Elm Creek	R	5	3	2021		X	X							X			X					X
OK121300010030_00	Mingo Creek	R	16	2	2005		X	X		A					X			X					I
OK121300010030_00	Mingo Creek	R	16	2	2011		X	X		A					X			X					I
OK121300010040_00	Knudson Creek	R	2	3	2011		X	X							X			X					X
OK121300010050_00	Mill Creek	R	4	3	2021		I	I							X			X					I
OK121300010060_00	Ranch Creek	R	7	5		2009	I	I							X			N					I
OK121300010080_00	Owasso Lake	L	18	3	2021		X	X							X			X					X
OK121300010090_00	Coal Creek	R	7	3	2021		I	I							X			X	X				I
OK121300010100_00	Recreation Creek	R	3	3	2021		X	X							X			X					X
OK121300010110_00	Recreation Lake	L	32	3	2011		X	X							X			X					X
OK121300010120_00	Flat Rock Creek	R	10	3	2011		I	I							X					X			I
OK121300010130_00	Yahola Lake	L	431	3	2021		X	X							X			X					X
OK121300010140_00	Dirty Butter Creek	R	4	3	2011		X	X				X			X					X			
OK121300010150_00	Delaware Creek	R	27	5		2009	I	N							X			N	X				N
OK121300010160_00	Goose Creek	R	3	3	2021		X	X							X			X					X
OK121300010170_00	Turkey Creek	R	6	3	2021		X	X							X			X					X
OK121300020010_00	Bird Creek	R	40	3	2005		I	I							X			I	X				I
OK121300020030_00	Charley Creek	R	6	3	2021		X	X							X			X					X
OK121300020040_00	Panther Creek	R	3	3	2021		X	X							X			X					X
OK121300020050_00	Skunk Creek	R	4	3	2021		X	X							X			X					X
OK121300020060_00	Skalall Creek	R	8	3	2021		X	X							X			X					X
OK121300020070_00	Tyner Creek	R	10	3	2021		X	X							X			X					X
OK121300020080_00	Candy Creek	R	17	5		2009	A	A							A			N	X				N
OK121300020090_00	Pecan Hollow Creek	R	1	3	2021		X	X					X		X			X	X				X

OKWBID	NAME	TYPE	SIZE (Lake Acres or Stream Miles)	CATEGORY	Monitoring Date	TMDL Date	Aesthetics	Agriculture	Cool Water Aquatic Community	Emergency Water Supply	Fish Consumption	Habitat Limited Aquatic Community	High Quality Water	Hydropower Generation	Industry	Navigation	Outstanding Resource	Primary Contact (Recreation)	Public/Private Water Supply	Secondary Contact (Recreation)	Sensitive Water Supply	Trout Fishery	Warm Water Aquatic Community
OK121300020100_00	Avant Public Utility Lake	L	6	3	2021		X	X							X			X					X
OK121300020110_00	Avant Municipal Lake	L	1	3	2021		X	X							X			X					X
OK121300020120_00	Little Candy Creek	R	7	3	2021		X	X							X			X					X
OK121300020130_00	Tucker Creek	R	5	3	2021		X	X							X			X					X
OK121300020140_00	Avant Creek	R	3	3	2021		X	X							X			X					X
OK121300020150_00	Bull Creek	R	8	3	2021		X	X							X			X					X
OK121300020160_00	Clem Creek	R	4	3	2021		X	X							X			X					X
OK121300020170_00	Dog Thresher Creek	R	8	3	2021		X	X							X			X					X
OK121300020190_00	Waxhoma Lake	L	197	2	2021		A	I							I			I					I
OK121300030010_00	Bird Creek	R	25	5		2009	A	A							A			N	X				N
OK121300030020_00	Birch Creek	R	3	3	2021		X	X							X			X	X				X
OK121300030030_00	Birch Creek	R	18	3	2021		X	X							X			X	X		X		X
OK121300030040_00	Birch Lake	L	1,137	5		2006	A	I							I			I	I		X		N
OK121300030050_00	Fourmile Creek	R	6	3	2021		X	X							X			X	X		X		X
OK121300030060_00	Choteau Creek	R	8	3	2021		X	X							X			X					X
OK121300030080_00	Pennel Creek	R	3	3	2021		X	X							X			X					X
OK121300030090_00	Red Eagle Branch	R	3	3	2021		X	X							X			X					X
OK121300030100_00	Cedar Creek	R	5	3	2021		X	X							X			X					X
OK121300030110_00	Cochahee Creek	R	4	3	2021		X	X							X			X					X
OK121300030120_00	Nelagone Creek	R	5	3	2021		X	X							X			X					X
OK121300030130_00	Buffalo Creek	R	5	3	2021		X	X							X			X					X
OK121300030140_00	Saucy Calf Creek	R	4	3	2021		X	X							X			X					X
OK121300030150_00	McCormick Creek	R	3	3	2021		X	X							X			X					X
OK121300030160_00	Quapaw Creek	R	4	3	2021		X	X							X			X					X
OK121300030170_00	Rush Creek	R	2	3	2021		X	X							X			X					X
OK121300030180_00	Soldier Creek	R	4	3	2021		X	X							X			X					X
OK121300030190_00	Mud Creek	R	3	3	2021		X	X							X			X					X
OK121300030200_00	Clear Creek	R	20	5		2009	A	A							A			N					I
OK121300030210_00	Cedar Canyon Creek	R	3	3	2021		X	X							X			X					X
OK121300030220_00	Pawhuska Creek	R	3	3	2021		X	X							X			X					X

OKWBID	NAME	TYPE	SIZE (Lake Acres or Stream Miles)	CATEGORY	Monitoring Date	TMDL Date	Aesthetics	Agriculture	Cool Water Aquatic Community	Emergency Water Supply	Fish Consumption	Habitat Limited Aquatic Community	High Quality Water	Hydropower Generation	Industry	Navigation	Outstanding Resource	Primary Contact (Recreation)	Public/Private Water Supply	Secondary Contact (Recreation)	Sensitive Water Supply	Trout Fishery	Warm Water Aquatic Community
OK121300030230_00	Pawhuska Lake	L	96	5		2005	A	I							I			I					N
OK121300030240_00	Higgins Creek	R	3	3	2021		X	X							X			X					X
OK121300030250_00	Maher Creek	R	3	3	2021		X	X							X			X					X
OK121300030260_00	Baconrind Creek	R	6	3	2021		X	X							X			X					X
OK121300030270_00	Mud Creek	R	5	3	2021		X	X							X			X					X
OK121300030280_00	Bird Creek, Middle	R	5	3	2021		X	X							X			X	X		X		X
OK121300030290_00	Bird Creek, Middle	R	13	3	2011		X	X							X			X	X		X		I
OK121300030300_00	Bluestem Lake	L	762	5		2006	A	I							I			I	I				N
OK121300030310_00	Bird Creek, South	R	7	3	2021		X	X							X			X	X		X		X
OK121300030320_00	Bird Creek, North	R	20	5		2009	A	A							A			N					N
OK121300030330_00	Hickory Creek	R	4	3	2021		X	X							X			X					X
OK121300040010_00	Hominy Creek	R	13	3	2021		I	X							X			I	X				I
OK121300040020_00	Rock Creek	R	10	3	2021		X	X							X			X					X
OK121300040030_00	Quapaw Creek	R	9	3	2021		X	X							X			X					X
OK121300040040_00	Battle Creek	R	6	3	2021		X	X							X			X					X
OK121300040050_00	Quapaw Creek, East Prong	R	5	3	2021		X	X							X			X					X
OK121300040060_00	Quapaw Creek, West Prong	R	4	3	2021		X	X							X			X					X
OK121300040070_00	Hominy Creek	R	32	3	2011		X	X							X			X	X		X		I
OK121300040080_00	Skiatook Lake	L	10,190	5		2005	A	I							I			I	I		X		N
OK121300040120_00	North Lake	L	1	3	2021		X	X							X			X					X
OK121300040130_00	Stamper Lake	L	1	3	2021		X	X							X			X					X
OK121300040140_00	Tall Chief Creek Lake	L	8	3	2021		X	X							X			X					X
OK121300040150_00	Lost Creek	R	8	3	2021		X	X							X			X					X
OK121300040160_00	Turkey Creek	R	12	3	2021		X	X							X			X					X
OK121300040170_00	Cedar Creek	R	5	3	2021		X	X							X			X					X
OK121300040180_00	Bull Creek	R	10	3	2021		X	X							X			X					X
OK121300040190_00	Cedar Canyon Creek	R	5	3	2021		X	X							X			X					X
OK121300040200_00	Eagle Creek	R	4	3	2021		X	X							X			X					X
OK121300040210_00	Wildhorse Creek	R	12	3	2021		X	X							X			X					X

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OK121300040220_00	Buck Creek	R	10	3	2021		X	X							X			X					X
OK121300040230_00	Boar Creek	R	13	3	2021		X	X							X			X					X
OK121300040240_00	Cedar Creek	R	5	3	2021		X	X							X			X					X
OK121300040250_00	Sand Creek	R	7	3	2021		X	X							X			X					X
OK121300040260_00	Mahala Creek	R	8	3	2021		X	X							X			X					X
OK121300040270_00	Sunset Creek	R	7	3	2021		X	X							X			X					X
OK121300040280_00	Hominy Creek	R	34	5		2009	A	N							X			N	X		X		N
OK121300040290_00	Penn Creek	R	14	3	2021		X	X							X			X					X
OK121300040300_00	Moshetomoie Creek	R	7	3	2021		X	X							X			X					X
OK121300040310_00	Blackbird Creek	R	7	3	2021		X	X							X			X					X
OK121300040320_00	Claremore Creek	R	7	3	2021		X	X							X			X	X				X
OK121300040330_00	Hominy Municipal Lake	L	165	5		2006	A	I							I			I	I				N
OK121300040340_00	Hominy Lake, Lower	L	19	3	2021		X	X							X			X					X
OK121300040350_00	Hominy Lake	L	24	3	2021		X	X							X			X					X
OK121300040360_00	Twomile Creek	R	8	3	2021		X	X							X			X					X
OK121300040370_00	Little Hominy Creek	R	19	3	2021		X	X							X			X					X
OK121300040380_00	Bitter Creek	R	8	3	2021		X	X							X			X					X
OK121300040390_00	Happy Hollow Creek	R	3	3	2021		X	X							X			X					X
OK121300040400_00	Niciola Creek (Nicolod)	R	9	3	2021		X	X							X			X					X
OK121300040410_00	Hellroaring Creek	R	2	3	2021		X	X							X			X					X
OK121300040420_00	Rainbow Creek	R	5	3	2021		X	X							X			X					X
OK121300040430_00	Turkey Run	R	3	3	2021		X	X							X			X					X
OK121300040440_00	Dollie Hollow Creek	R	3	3	2021		X	X							X			X					X
OK121300040450_00	Moraledge Gulch	R	2	3	2021		X	X							X			X					X
OK121300040460_00	Daniels Run	R	3	3	2021		X	X							X			X					X
OK121400010010_00	Caney River	R	16	3	2021		X	X			X				X			X	X				X
OK121400010010_10	Caney River	R	46	5		2005	I	A			I				A			N	I				N
OK121400010020_00	Hobbs Creek	R	1	3	2021		X	X							X			X					X
OK121400010040_00	Collinsville Lake	L	10	3	2011		X	X							X			X					X
OK121400010050_00	East Creek	R	5	3	2021		X	X							X			X					X

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OK121400010060_00	Horsepen Creek	R	10	3	2021		X	X							X			X					X
OK121400010070_00	Blackjack Creek	R	6	3	2021		X	X							X			X					X
OK121400010080_00	Cherry Creek	R	5	3	2021		X	X							X			X					X
OK121400010090_00	Rabb Creek	R	6	5		2009	A	A							A			I					N
OK121400010100_00	Saunders Creek	R	8	3	2021		X	X							X			X					X
OK121400010110_00	Lacy Creek	R	5	3	2021		X	X							X			X					X
OK121400010120_00	Bevan Creek	R	8	3	2021		X	X							X			X					X
OK121400010130_00	Buck Creek	R	7	3	2021		X	X							X			X					X
OK121400010140_00	Double Creek	R	7	3	2021		X	X							X			X					X
OK121400010150_00	Double Creek, North Fork	R	9	3	2021		X	X							X			X					X
OK121400010160_00	Double Creek Lake # 1	L	1	3	2021		X	X							X			X					X
OK121400010170_00	Double Creek Lake # 6	L	1	3	2021		X	X							X			X					X
OK121400010180_00	Nellie Bly Creek	R	6	3	2021		X	X							X			X					X
OK121400010200_00	Todd Lake	L	14	3	2021		X	X							X			X					X
OK121400010210_00	Double Creek Lake # 4	L	1	3	2021		X	X							X			X					X
OK121400010220_00	Double Creek, South Fork	R	5	3	2021		X	X							X			X					X
OK121400010230_00	Double Creek Lake # 3	L	1	3	2021		X	X							X			X					X
OK121400010240_00	Double Creek Lake # 2	L	1	3	2021		X	X							X			X					X
OK121400010250_00	Stick Creek (Slick)	R	3	3	2021		X	X							X			X					X
OK121400010260_00	Timberlake Creek	R	4	2	2021		X	X		A	X				X			X					X
OK121400010270_00	Curl Creek	R	17	5		2009	I	I							X			N					I
OK121400010280_00	Fourmile Creek	R	10	3	2021		X	X							X			X					X
OK121400010290_00	Purgatory Creek	R	7	3	2021		X	X							X			X					X
OK121400010300_00	Hogshooter Creek	R	20	5		2009	A	A							A			N					N
OK121400010310_00	Fish Creek	R	13	3	2021		X	X							X			X					X
OK121400010320_00	Keeler Creek	R	54a	2005			X	X							X			X					X
OK121400010322_00	East Keeler Creek	R	3	3	2021		X	X							X			X					X
OK121400010330_00	Rice Creek	R	6	3	2021		X	X							X			X					X
OK121400020010_00	Caney River	R	33	3	2021		X	X							X			X	X				X
OK121400020030_00	Turkey Creek	R	5	3	2021		X	X							X			X					X

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OK121400020040_00	Coon Creek	R	21	3	2021		X	X							X			X	X				X
OK121400020050_00	Deer Creek	R	6	3	2021		X	X				X			X					X			
OK121400020060_00	Limestone Draw	R	5	3	2021		X	X							X			X					X
OK121400020070_00	Cedar Creek	R	8	3	2021		X	X							X			X					X
OK121400020080_00	Butler Creek	R	14	3	2021		X	X							X			X					X
OK121400020090_00	Hudson Lake	L	250	5		2006	A	I							I			I					N
OK121400020100_00	Johnson Lake	L	1	3	2021		X	X							X			X					X
OK121400020120_00	Bar-Dew Lake	L	34	3	2021		X	X							X			X					X
OK121400020130_00	Post Oak Creek	R	8	3	2021		X	X							X			X					X
OK121400020140_00	Little Caney River (Caney Creek)	R	6	5		2009	I	I							X			I	X		X		N
OK121400020150_00	Brush Creek	R	8	3	2021		X	X							X			X					X
OK121400020160_00	Long Lake Creek	R	2	3	2021		X	X							X			X					X
OK121400020170_00	Long Lake	L	1	3	2021		X	X							X			X					X
OK121400020180_00	Young Lake	L	1	3	2021		X	X							X			X					X
OK121400020190_00	Mission Creek	R	18	3	2021		X	X							X			X					X
OK121400020200_00	Hay Hollow Creek	R	3	3	2021		X	X							X			X					X
OK121400020210_00	Coon Creek	R	9	3	2021		X	X							X			X					X
OK121400020220_00	Lost Creek	R	4	3	2021		X	X							X			X					X
OK121400020230_00	Possum Creek	R	5	3	2021		X	X							X			X					X
OK121400030010_00	Caney River	R	19	3	2011		X	X							X			X	X				X
OK121400030020_00	Hulah Lake	L	3,570	3	2011		I	I							I			I	I				I
OK121400030030_00	Skull Creek	R	7	3	2021		X	X							X			X					X
OK121400030040_00	Hickory Creek	R	3	3	2021		X	X							X			X					X
OK121400030050_00	Thunderbolt Creek	R	1	3	2021		X	X							X			X					X
OK121400030060_00	Hickory Creek, East	R	1	3	2021		X	X							X			X					X
OK121400030080_00	Turkey Creek	R	8	3	2021		X	X							X			X					X
OK121400030090_00	Pond Creek	R	24	3	2021		X	X							X			X	X				X
OK121400030100_00	Birch Creek	R	7	3	2021		X	X							X			X					X
OK121400030110_00	Spring Creek	R	7	3	2021		X	X							X			X					X

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OK121400030120_00	Fox Creek, North	R	5	3	2021		X	X							X			X					X
OK121400030130_00	Dry Creek	R	6	3	2021		X	X							X			X					X
OK121400030140_00	Pond Creek, South Fork	R	5	3	2021		X	X							X			X					X
OK121400030150_00	Coon Creek	R	1	3	2021		X	X							X			X					X
OK121400030160_00	Cedar Creek	R	1	3	2021		X	X							X			X					X
OK121400030170_00	Buck Creek	R	25	5		2009	I	I							X			N	X				I
OK121400030180_00	Smith Creek	R	6	3	2021		X	X							X			X					X
OK121400030190_00	Dog Creek	R	7	3	2021		X	X							X			X					X
OK121400030200_00	Buck Creek, South	R	6	3	2021		X	X							X			X					X
OK121400040010_00	Sand Creek	R	60	5		2009	A	A							A			N	X				A
OK121400040020_00	Eliza Creek	R	6	3	2011		X	X							X			X					X
OK121400040030_00	Jessie Creek	R	4	3	2021		X	X							X			X					X
OK121400040040_00	Panther Creek	R	7	3	2021		X	X							X			X					X
OK121400040050_00	Buck Creek	R	18	5		2009	A	A							A			I	X				N
OK121400040060_00	Turkey Creek	R	3	3	2021		X	X							X			X					X
OK121400040070_00	Doe Creek	R	3	3	2021		X	X							X			X					X
OK121400040080_00	Cedar Creek	R	4	3	2021		X	X							X			X					X
OK121400040090_00	Ranch Creek	R	3	3	2021		X	X							X			X					X
OK121400040100_00	Little Rock Creek	R	9	3	2021		X	X							X			X					X
OK121400040120_00	Higo Lake (Wah Shah She)	L	8	3	2021		X	X							X			X					X
OK121400040130_00	Clyde Lake	L	70	3	2021		X	X							X			X					X
OK121400040140_00	Ponce de Leon Spring Lake	L	1	3	2021		X	X							X			X					X
OK121400040150_00	Whisky Hollow Creek	R	2	3	2021		X	X							X			X					X
OK121400040160_00	Paula Creek	R	6	3	2021		X	X							X			X					X
OK121400040170_00	Lost Creek	R	5	3	2021		X	X							X			X					X
OK121400040180_00	Peters Lake	L	8	3	2021		X	X							X			X					X
OK121400040190_00	Lookout Lake	L	7	3	2021		X	X							X			X					X
OK121400040200_00	Rock Creek	R	15	3	2021		X	X							X			X					X
OK121400040210_00	Dry Hollow Creek	R	3	3	2021		X	X							X			X					X

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OK121400040220_00	Elm Creek	R	5	3	2021		X	X							X			X					X
OK121400040230_00	Sunset Lake	L	68	3	2021		X	X							X			X					X
OK121400040250_00	Deer Lake	L	12	3	2021		X	X							X			X					X
OK121400040260_00	Cedar Creek	R	8	3	2021		X	X							X			X					X
OK121400040270_00	Little Sand Creek	R	5	3	2021		X	X							X			X					X
OK121400040280_00	Mud Creek	R	6	3	2021		X	X							X			X					X
OK121400040290_00	Wild Hog Creek	R	3	3	2021		X	X							X			X					X
OK121400040300_00	Dry Creek	R	6	3	2021		X	X							X			X					X
OK121400050010_00	Little Caney River (Caney Creek)	R	15	3	2011		X	X							X			X	X		X		X
OK121400050020_00	Copan Lake	L	4,850	2	2011		A	I							I			I	I		X		I
OK121400050030_00	Copan Creek	R	4	3	2021		X	X							X			X	X		X		X
OK121400050040_00	Cotton Creek	R	16	3	2021		X	X							X			X	X		X		X
OK121400050050_00	Pooler Creek	R	6	3	2021		X	X							X			X	X		X		X
OK121400050060_00	Cotton Creek, North Fork	R	6	3	2021		X	X							X			X	X		X		X
OK121400050070_00	Cotton Valley Creek	R	6	3	2021		X	X							X			X	X		X		X
OK121400050080_00	Owen Creek	R	1	3	2021		X	X							X			X	X		X		X
OK121500010010_00	Verdigris River	R	5	2	2021		X	X						A	X			X	X				X
OK121500010020_00	Clingham Creek Cutoff Oxbow Lake	L	1	3	2021		X	X							X			X					X
OK121500010030_00	Clingham Creek	R	6	3	2021		X	X							X			X					X
OK121500010040_00	Big Creek Cutoff Oxbow Lake	L	1	3	2021		X	X							X			X					X
OK121500010050_00	Big Creek	R	7	3	2021		X	X							X			X					X
OK121500010060_00	Verdigris River	R	11	2	2011		X	X						A	X			X	X				X
OK121500010070_00	Chouteau Lake	L	1	3	2011		X	X							X			X					X
OK121500010080_00	Vans Creek	R	2	3	2021		X	X							X			X					X
OK121500010090_00	Vans Lake	L	1	3	2021		X	X							X			X					X
OK121500010100_00	Coal Creek	R	10	3	2011		X	X							X			X	X				X
OK121500010110_00	Choteau Lake	L	1	3	2021		X	X							X			X					X

OKWBID	NAME	TYPE	SIZE (Lake Acres or Stream Miles)	CATEGORY	Monitoring Date	TMDL Date	Aesthetics	Agriculture	Cool Water Aquatic Community	Emergency Water Supply	Fish Consumption	Habitat Limited Aquatic Community	High Quality Water	Hydropower Generation	Industry	Navigation	Outstanding Resource	Primary Contact (Recreation)	Public/Private Water Supply	Secondary Contact (Recreation)	Sensitive Water Supply	Trout Fishery	Warm Water Aquatic Community
OK121500010120_00	Coal Creek Cutoff # 1 Oxbow Lake	L	1	3	2021		X	X							X			X					X
OK121500010130_00	Coal Creek Cutoff # 2 Oxbow Lake	L	1	3	2021		X	X							X			X					X
OK121500010140_00	Tallahassee Creek Cutoff Oxbow Lake	L	1	3	2021		X	X							X			X					X
OK121500010150_00	Tallahassee Creek	R	5	3	2021		X	X							X			X					X
OK121500010160_00	Strawberry Creek Cutoff Oxbow Lake	L	1	3	2021		X	X							X			X					X
OK121500010170_00	Strawberry Creek	R	5	3	2021		X	X				X			X					X			
OK121500010180_00	Billy Creek Cutoff Oxbow Lake	L	1	3	2021		X	X							X			X					X
OK121500010190_00	Billy Creek	R	13	3	2021		X	X							X			X					X
OK121500010200_00	Verdigris River	R	6	5		2005	I	A			I			A	A			N	I				N
OK121500010210_00	Chouteau Lake	L	1	3	2011		X	X							X			X					X
OK121500010220_00	Afton Landing Cutoff Oxbow Lake	L	1	3	2021		X	X							X			X					X
OK121500010230_00	Verdigris Cutoff # 1a Oxbow Lake	L	1	3	2021		X	X							X			X					X
OK121500010240_00	Verdigris Cutoff # 1b Oxbow Lake	L	1	3	2021		X	X							X			X					X
OK121500010250_00	Gar Creek	R	11	3	2021		X	X							X			X	X				X
OK121500010260_00	Fife Creek	R	10	3	2021		X	X							X			X	X				X
OK121500010270_00	Coal Creek	R	19	3	2021		X	X							X			X	X				X
OK121500020010_00	Verdigris River	R	6	2	2011		X	X						A	X			X	X				X
OK121500020020_00	Chouteau Lake	L	1	3	2011		X	X							X			X					X
OK121500020050_00	Flagg Lake	L	1	3	2021		X	X							X			X					X
OK121500020070_00	Legas Lake	L	1	3	2021		X	X							X			X					X
OK121500020080_00	Bull Creek Cutoff Oxbow Lake	L	1	3	2021		X	X							X			X					X
OK121500020090_00	Bull Creek	R	19	5		2009	A	X							X			N					N
OK121500020100_00	Pea Creek	R	10	4a	2011		X	X							X			X					X

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OK121500020110_00	Inola Creek	R	17	4a	2011		X	X							X			X					X
OK121500020120_00	Verdigris River	R	6	2	2011		X	X						A	X			X	X				X
OK121500020130_00	Newt Graham Lake	L	1	3	2011		X	X							X			X					X
OK121500020140_00	Adams Creek Cutoff Oxbow Lake	L	1	3	2021		X	X							X			X					X
OK121500020150_00	Adams Creek	R	20	5		2009	I	I							X			N	X				A
OK121500020160_00	Snake Den Lake	L	1	3	2021		X	X							X			X					X
OK121500020170_00	Long Creek	R	3	3	2021		X	X							X			X					X
OK121500020190_00	Runaround Lake	L	1	3	2021		X	X							X			X					X
OK121500020200_00	Long Lake	L	1	3	2021		X	X							X			X					X
OK121500020210_00	Pecan Slough	R	2	3	2021		X	X							X			X					X
OK121500020220_00	Commodore Creek Cutoff Oxbow Lake	L	1	3	2021		X	X							X			X					X
OK121500020230_00	Commodore Creek	R	5	3	2021		X	X							X			X					X
OK121500020240_00	Big Bottom Cutoff # 1 (33.10) Oxbow Lake	L	1	3	2021		X	X							X			X					X
OK121500020250_00	Big Bottom Cutoff # 2 (33.50) Oxbow Lake	L	1	3	2021		X	X							X			X					X
OK121500020260_00	Verdigris River	R	18	5		2005	I	A			I			A	A			A	I				N
OK121500020270_00	Salt Creek	R	8	3	2021		X	X							X					X			X
OK121500020280_00	Fin & Feather Lake	L	1	3	2021		X	X							X			X					X
OK121500020290_00	Highway 33 Cutoff (37.05) Oxbow Lake	L	1	3	2021		X	X							X			X					X
OK121500020300_00	Big Flag Creek Cutoff (38.15) Oxbow Lake	L	1	3	2021		X	X							X			X					X
OK121500020320_00	Big Flag Lake	L	1	3	2021		X	X							X			X					X
OK121500020330_00	Little Flag Lake	L	1	3	2021		X	X							X			X					X
OK121500020340_00	Horseshoe Lake	L	1	3	2021		X	X							X			X					X
OK121500020350_00	Dog Creek Cutoff Oxbow Lake	L	1	3	2021		X	X							X			X					X
OK121500020360_00	Dog Creek	R	10	5		2009	I	A							A			N	X				N
OK121500020370_00	Otter Creek	R	8	3	2021		X	X							X			X					X

A = Attaining I = Insufficient Data N = Not Attaining X = Not Assessed

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OK121500020380_00	Panther Creek	R	13	3	2021		X	X							X			X					X
OK121500020390_00	Cat Creek	R	7	5		2009	I	X		A					X			N					N
OK121500020410_00	Canyon Lake	L	1	3	2021		X	X							X			X					X
OK121500020420_00	Cutoff (44.66) Oxbow Lake	L	1	3	2021		X	X							X			X					X
OK121500020430_00	Mossy Creek	R	2	2	2021		X	X		A		X								X			
OK121500020440_00	Big Lake Creek	R	3	3	2021		X	X							X			X					X
OK121500020450_00	Big Lake	L	1	3	2021		X	X							X			X					X
OK121500020460_00	Cutoff (46.95) Oxbow Lake	L	1	3	2021		X	X							X			X					X
OK121500020470_00	Spunky Creek Cutoff Oxbow Lake	L	1	3	2021		X	X							X			X					X
OK121500020480_00	Spunky Creek	R	13	3	2021		I	I							X			X					I
OK121500020490_00	Yonkipin Lake	L	33	3	2021		X	X							X			X					X
OK121500030010_00	Verdigris River	R	16	5		2005	I	A			I			A	A			N	I				N
OK121500030010_10	Verdigris River	R	10	3	2021		X	X			X			X	X			X	X				X
OK121500030020_00	Newt Graham Lake	L	1	3	2011		X	X							X			X					X
OK121500030030_00	Boggy Creek	R	4	3	2021		X	X							X			X					X
OK121500030040_00	Honey Creek	R	4	3	2021		X	X							X			X					X
OK121500030050_00	Keetonville Creek	R	3	3	2021		X	X				X			X					X			
OK121500030060_00	Sweetwater Creek	R	7	3	2021		X	X							X			X					X
OK121500030070_00	Fourmile Creek	R	14	4a	2011		X	X							X			X					X
OK121500040010_00	Dog Creek	R	20	5		2009	I	I							X			I	X				N
OK121500040020_00	Claremore Lake	L	470	3	2021		I	I							I			I	I				I
OK121500040030_00	Little Dog Creek	R	6	3	2004		X	X							X			X	X		X		X
OK121510010010_00	Verdigris River	R	31	3	2011		X	X							X			X	X				I
OK121510010020_00	Oologah Lake	L	29,460	5		2005	A	I						A	I	A		I	I				N
OK121510010030_00	Blue Creek	R	7	3	2021		X	X							X			X	X				X
OK121510010040_00	Spencer Creek	R	10	5		2009	A	N							I			X	A		X		A
OK121510010060_00	Chelsea Lake	L	50	3	2021		X	X							X			X					X
OK121510010070_00	Talala Creek	R	5	3	2021		X	X							X			X					X

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OK121510010080_00	Talala Creek, South Fork	R	10	3	2021		X	X							X			X					X
OK121510010090_00	Talala Creek, North Fork	R	6	3	2021		X	X							X			X					X
OK121510010110_00	Campbell Creek	R	5	5		2009	A	N							I			X	A				A
OK121510010120_00	Plumb Creek	R	8	5		2009	A	N							I			X	A				A
OK121510010130_00	Lightning Creek	R	17	5		2009	A	N							I			N	A				A
OK121510010140_00	Panther Creek	R	8	5		2009	A	N							I			X	A				A
OK121510010150_00	Madden Creek	R	8	3	2021		X	X							X			X					X
OK121510010160_00	Double Creek	R	6	3	2021		X	X							X			X					X
OK121510010170_00	Double Creek, South Fork	R	8	3	2021		X	X							X			X					X
OK121510010180_00	Double Creek, North Fork	R	8	3	2021		X	X							X			X					X
OK121510010190_00	Salt Creek	R	21	3	2021		X	X							X			X	X				X
OK121510010200_00	Kentucky Creek	R	8	3	2021		X	X							X			X					X
OK121510010210_00	Little Salt Creek	R	7	3	2021		X	X							X			X					X
OK121510010220_00	Western Branch	R	4	2	2021		A	A							A			X	A				I
OK121510010230_00	Riley Lake	L	1	3	2021		X	X							X			X					X
OK121510010240_00	Winganon Creek	R	2	2	2021		X	A							A			X					I
OK121510020010_00	Verdigris River	R	37	5		2005	I	A			I			A	A	A		N	I				N
OK121510020020_00	Big Creek	R	0	3	2021		X	X							X			X	X				X
OK121510020030_00	Riley Creek	R	4	3	2021		X	X							X			X					X
OK121510020050_00	California Creek	R	25	5		2009	I	I							I			I	I				N
OK121510020060_00	Delaware Creek	R	4	2	2021		X	X		A		X			X					X			
OK121510020070_00	Morman Creek	R	9	3	2021		X	X							X			X					X
OK121510020080_00	Wolf Creek	R	4	3	2021		X	X							X			X					X
OK121510020090_00	Wolf Creek, South Fork	R	3	3	2021		X	X							X			X					X
OK121510020100_00	Wolf Creek, North Fork	R	4	3	2021		X	X							X			X					X
OK121510020110_00	Little California Creek	R	7	3	2021		X	X							X			X					X
OK121510020120_00	Steamboat Creek	R	3	3	2021		X	X							X			X					X
OK121510020130_00	Cedar Creek	R	9	3	2021		X	X							X			X					X
OK121510020140_00	Fool Creek	R	2	3	2021		X	X							X			X					X
OK121510020150_00	Tucker Creek	R	6	3	2021		X	X							X			X					X

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OK121510020170_00	Lenapah Creek	R	5	3	2021		X	X							X			X					X
OK121510020180_00	Goose Neck Creek, East	R	5	3	2021		X	X							X			X					X
OK121510020200_00	Goose Neck Lake	L	1	3	2021		X	X							X			X					X
OK121510020220_00	Taylor Lake	L	1	3	2021		X	X							X			X					X
OK121510020230_00	Goose Neck Creek, West	R	4	3	2021		X	X							X			X					X
OK121510020240_00	Hickory Creek	R	8	3	2021		X	X							X			X					X
OK121510020250_00	Snow Creek	R	7	2	2021		A	A							A			I	X				A
OK121510020260_00	Crow Hollow Creek	R	6	3	2021		X	X							X			X					X
OK121510020270_00	Rock Creek (Ross)	R	7	3	2021		X	X							X			X					X
OK121510020280_00	Melton Lake	L	1	3	2021		X	X							X			X					X
OK121510020290_00	Opossum Creek	R	16	3	2021		X	X							X			X					X
OK121510020300_00	Noxie Creek	R	5	3	2021		X	X							X			X					X
OK121510020310_00	Vinegar Creek	R	5	3	2021		X	X							X			X					X
OK121510020320_00	Chouteau Lake Creek	R	0	3	2011		X	X							X			X					X
OK121510020330_00	Chouteau Lake	L	1	3	2021		X	X							X			X					X
OK121510020340_00	Onion Creek	R	1	3	2021		X	X							X			X	X				X
OK121510030010_00	Big Creek	R	34	5		2009	A	A							A			N	X				A
OK121510030020_00	Childers Creek	R	2	3	2021		X	X							X			X					X
OK121510030030_00	Rogers Mound Creek	R	3	3	2021		X	X							X			X					X
OK121510030040_00	Coal Creek	R	5	3	2021		X	X							X			X					X
OK121510030050_00	Looney Branch	R	5	3	2021		X	X							X			X					X
OK121510030060_00	Blue Canyon Creek	R	5	3	2021		X	X							X			X					X
OK121510030070_00	Notch Mound Creek	R	5	3	2021		X	X							X			X					X
OK121510030080_00	Clear Creek	R	12	3	2021		X	X							X			X					X
OK121510030090_00	Brush Creek	R	15	3	2021		X	X							X			X					X
OK121510030100_00	Big Creek, East Fork	R	10	3	2021		X	X							X			X					X
OK121510030110_00	Boggs Creek (Boggs Branch)	R	6	3	2021		X	X							X			X					X
OK121510030120_00	Bethel Creek	R	3	3	2021		X	X							X			X					X
OK121510030130_00	Labette Creek	R	6	3	2021		X	X							X			X					X

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OK121510030140_00	Little Labette Creek	R	4	3	2021		X	X							X			X					X
OK121600010010_00	Neosho River	R	7	3	2016		X	X							X			X					X
OK121600010020_00	Dry Branch	R	5	3	2016		X	X							X			X					X
OK121600010030_00	Flower Creek	R	6	3	2016		X	X							X			X					X
OK121600010040_00	Neosho River	R	11	3	2011		I	X							X			X					I
OK121600010050_00	Fort Gibson Lake	L	9,950	5		2006	I	I						A	I			I	I				N
OK121600010060_00	Ranger Creek	R	11	5		2009	I	I							X			N					I
OK121600010070_00	Rattlesnake Branch	R	5	3	2016		X	X							X			X					X
OK121600010080_00	Pecan Creek	R	9	3	2016		X	X							X			X					X
OK121600010090_00	Double Springs Creek	R	21	3	2016		X	X							X			X					X
OK121600010100_00	Fourteenmile Creek	R	26	5		2009	A	A	A				X		A			N	X				
OK121600010110_00	Wolf Hollow Creek	R	3	3	2016		X	X							X			X					X
OK121600010120_00	Lost City Creek	R	1	3	2016		X	X							X			X					X
OK121600010130_00	Black Bird Creek	R	10	3	2016		X	X	X						X			X	X				
OK121600010140_00	Money Bean Hollow Creek	R	2	3	2016		X	X							X			X					X
OK121600010150_00	Jackson Bay	L	1	3	2011		X	X							X			X					X
OK121600010160_00	Hickory Creek	R	5	3	2016		X	X							X			X					X
OK121600010170_00	Long Bay	L	1	3	2011		X	X							X			X					X
OK121600010180_00	North Bay	L	1	3	2011		X	X							X			X					X
OK121600010190_00	Neosho River	R	13	3	2011		X	X							X			X					I
OK121600010200_00	Fort Gibson Lake, Upper	L	9,950	2	2011		X	X						A	X			X	X				I
OK121600010210_00	Clear Creek	R	15	3	2016		I	I	I						X			X	X				
OK121600010220_00	Little Clear Creek	R	8	3	2016		X	X							X			X					X
OK121600010230_00	Jane Dennis Creek	R	5	3	2016		X	X							X			X					X
OK121600010240_00	Flat Rock Bay	L	1	2	2011		X	X						A	X			X	X				X
OK121600010250_00	Flat Rock Creek	R	13	3	2016		X	X							X			X					X
OK121600010260_00	Cat Creek	R	6	3	2016		X	X							X			X					X
OK121600010270_00	Big Hollow Creek	R	3	3	2016		X	X							X			X					X
OK121600010280_00	Neosho River	R	19	2	2011		I	A			I				A			A	I				I

OKWBID	NAME	TYPE	SIZE (Lake Acres or Stream Miles)	CATEGORY	Monitoring Date	TMDL Date	Aesthetics	Agriculture	Cool Water Aquatic Community	Emergency Water Supply	Fish Consumption	Habitat Limited Aquatic Community	High Quality Water	Hydropower Generation	Industry	Navigation	Outstanding Resource	Primary Contact (Recreation)	Public/Private Water Supply	Secondary Contact (Recreation)	Sensitive Water Supply	Trout Fishery	Warm Water Aquatic Community
OK121600010290_00	Spring Creek	R	41	2	2011		I	A	I		I		X		A			A	I				
OK121600010300_00	Pipe Springs Branch (Davis Hollow Creek)	R	7	3	2016		X	X							X			X					X
OK121600010310_00	Hogskin Hollow Creek	R	2	3	2016		X	X							X			X					X
OK121600010320_00	Ballou Branch	R	3	3	2016		X	X							X			X					X
OK121600010330_00	Snake Creek	R	15	3	2016		X	X							X			X					X
OK121600010340_00	Little Spring Creek	R	4	3	2016		X	X	X				X		X			X	X				
OK121600010350_00	Bryant Creek	R	5	3	2016		X	X							X			X					X
OK121600010360_00	Blacksmith Hollow Creek	R	5	3	2016		X	X							X			X					X
OK121600010370_00	Dry Hollow Creek	R	3	3	2016		X	X							X			X					X
OK121600010380_00	Yokum Hollow Creek	R	2	3	2016		X	X							X			X					X
OK121600010390_00	Double Spring Creek	R	8	3	2016		X	X	X						X			X	X				
OK121600010400_00	Lowrey Creek	R	5	3	2016		X	X							X			X					X
OK121600010410_00	Twin Oaks Creek	R	5	3	2016		X	X							X			X					X
OK121600010420_00	Brush Creek	R	10	3	2016		X	X							X			X					X
OK121600010430_00	Chouteau Creek	R	22	5		2009	A	A							A			N	X				N
OK121600010440_00	Crutchfield Branch	R	5	3	2016		X	X							X			X					X
OK121600010450_00	Chapel Branch	R	4	3	2016		X	X							X			X					X
OK121600020010_00	Neosho River	R	8	3	2011		X	X							X			X					I
OK121600020020_00	Hudson Lake, Lower	L	5,450	2	2011		A	I						A	I			I	I				I
OK121600020030_00	Saline Creek	R	32	2	2016		A	A	A						A			I	X				
OK121600020040_00	Chimney Rock Lake Creek	R	0	3	2016		X	X							X			X					X
OK121600020050_00	Chimney Rock Lake	L	1	5		2006	A	I							I			I					N
OK121600020060_00	Wickliffe Creek	R	9	3	2016		X	X							X			X					X
OK121600020070_00	Little Saline Creek	R	11	5		2009	A	A	I						A			N	X				
OK121600020080_00	Spade Hollow Creek	R	7	3	2016		X	X	X						X			X	X				
OK121600020090_00	Proctor Hollow Creek	R	6	3	2016		X	X							X			X					X
OK121600020100_00	Ben Smith Hollow Creek	R	2	3	2016		X	X							X			X					X
OK121600020110_00	Big Acorn Hollow Creek	R	2	3	2016		X	X							X			X					X
OK121600020120_00	Wolf Creek	R	8	3	2016		X	X							X			X					X

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OK121600020130_00	Neosho River	R	10	3	2011		X	X							X			X					I
OK121600020140_00	Hudson Lake, Upper	L	5,450	2	2011		X	X						A	X			X	X				I
OK121600020150_00	Spavinaw Creek	R	6	3	2016		X	X	X									X	X		X		
OK121600020160_00	Benge Branch	R	5	3	2016		X	X							X			X					X
OK121600020170_00	Neosho River	R	15	2	2011		I	A			I				A			A	I				I
OK121600020180_00	Rock Creek	R	16	3	2011		X	X							X			X	X				X
OK121600020190_00	Big Cabin Creek	R	2	3	2011		X	X							X			X	X				X
OK121600020200_00	Summerfield Creek	R	10	3	2016		X	X							X			X					X
OK121600020210_00	Round Spring Hollow Creek	R	5	3	2016		X	X							X			X					X
OK121600030010_00	Neosho River	R	2	3	2004		I	X							X			X					X
OK121600030020_00	Lake O' the Cherokees	L	5,813	5		2004	I	I						A	I			I	I				N
OK121600030050_00	Neosho River	R	4	3	2004		I	X							X			X					X
OK121600030060_00	Lake O' the Cherokees, Lower	L	5,813	2	2004		I	X						A	X			X	X				I
OK121600030070_00	Duck Creek	R	10	3	2016		X	X							X			X					X
OK121600030080_00	Duck Creek Cove	L	1	2	2004		X	X						A	X			X	X				X
OK121600030090_00	Drowning Creek	R	14	5		2009	A	X	N						X			N	X				
OK121600030100_00	Woods Springs Branch	R	4	3	2016		X	X							X			X					X
OK121600030110_00	Muskrat Hollow Creek	R	5	3	2016		X	X							X			X					X
OK121600030120_00	Jay Creek	R	4	3	2016		X	X							X			X					X
OK121600030130_00	Sweetwater Hollow Creek	R	4	3	2016		X	X							X			X					X
OK121600030140_00	Neosho River	R	7	3	2004		I	X							X			X					X
OK121600030150_00	Lake O' the Cherokees, Lower Middle	L	5,813	2	2004		I	X						A	X			X	X				I
OK121600030160_00	Horse Creek	R	19	5		2009	I	X		A					X			N					N
OK121600030170_00	Horse Creek Cove	L	1	3	2004		X	X							X			X					X
OK121600030180_00	Fly Creek	R	4	5		2009	A	A							A			N					I
OK121600030190_00	Little Horse Creek	R	6	5		2009	I	A							A			N					N
OK121600030200_00	Oseuma Creek	R	4	3	2016		X	X							X			X					X
OK121600030210_00	West Bay	L	1	3	2004		X	X							X			X					X

A = Attaining I = Insufficient Data N = Not Attaining X = Not Assessed

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OK121600030220_00	Chigger Cove	L	1	3	2004		X	X							X			X					X
OK121600030230_00	Woodward Hollow Creek	R	6	3	2016		X	X							X			X					X
OK121600030240_00	Woodward Hollow Cove	L	1	2	2004		X	X						A	X			X	X				X
OK121600030250_00	Courthouse Hollow Creek	R	4	3	2016		X	X							X			X					X
OK121600030260_00	Courthouse Hollow Cove	L	1	3	2004		X	X							X			X					X
OK121600030270_00	Neosho River	R	11	3	2004		I	X							X			X					X
OK121600030280_00	Lake O' the Cherokees, Middle	L	5,813	2	2004		I	X						A	X			X	X				I
OK121600030290_00	Lake O' the Cherokees, Honey Creek Arm	L	5,813	2	2004		I	I						A	X			X	X				I
OK121600030291_00	Honey Creek	R	4	3	2016		X	X							X			X					X
OK121600030291_01	Honey creek	R	2	3	2016		X	X							X			X					X
OK121600030295_00	unnamed trib to Honey Creek	R	4	3	2016		X	X							X			X					X
OK121600030300_00	Dilar Cove	L	1	2	2004		X	X						A	X			X	X				X
OK121600030310_00	Elm Creek	R	10	3	2016		X	X	X						X			X	X				
OK121600030320_00	Whitewater Creek	R	15	5		2009	A	A	N						A			I	X				
OK121600030330_00	Snail Creek	R	4	3	2016		X	X							X			X					X
OK121600030340_00	Cave Springs Branch	R	13	5		2004	I	N	N				X		X			N	X				
OK121600030350_00	Echo Bay	L	1	3	2004		X	X							X			X					X
OK121600030360_00	Carey Bay	L	1	2	2004		X	X						A	X			X	X				X
OK121600030370_00	Neosho River	R	3	3	2004		I	X							X			X					I
OK121600030380_00	Lake O' the Cherokees, Upper Middle	L	5,813	2	2004		I	X						A	X			X	X				I
OK121600030390_00	Wolf Creek	R	10	3	2016		X	X							X			X					X
OK121600030400_00	Wolf Creek Cove	L	1	3	2004		X	X							X			X					X
OK121600030410_00	Spring Branch	R	4	3	2016		X	X							X			X					X
OK121600030420_00	Hickory Creek	R	6	3	2016		X	X							X			X					X
OK121600030430_00	Neosho River	R	22	3	2004		X	X							X			X					I
OK121600030440_00	Elk River	R	13	5		2005	I	A	I		I				A			N	I				
OK121600030445_00	Honey Creek	R	10	5		2005	I	A	I		I				A			N	I				

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OK121600030450_00	Lake O' the Cherokees, Elk River Arm	L	5,813	2	2016		X	X						A	X			X	X				X
OK121600030460_00	Carr Branch	R	5	3	2016		X	X							X			X					X
OK121600030470_00	Buffalo Creek	R	3	3	2016		I	I							X			X					X
OK121600030480_00	Three Finger Cove	L	1	3	2004		X	X							X			X					X
OK121600030490_00	Council Hollow Creek	R	6	3	2016		X	X	X						X			X	X				
OK121600030500_00	Council Cove	L	1	3	2004		X	X							X			X					X
OK121600030510_00	Sycamore Creek	R	9	5		2009	I	I	I						X			N	X				
OK121600030520_00	Brush Creek	R	7	3	2016		I	I	I						X			X	X				
OK121600030530_00	Roark Creek	R	2	3	2016		X	X							X			X					X
OK121600030540_00	Mason Springs Valley Creek	R	2	3	2016		X	X							X			X					X
OK121600030550_00	Ogeechee Creek	R	5	3	2016		X	X							X			X					X
OK121600030560_00	Lost Creek	R	3	2	2016		A	A	I						A			I	X				
OK121600030570_00	Modoc Valley Creek	R	13	3	2016		X	X							X			X					X
OK121600040010_00	Neosho River	R	17	4a	2004		I	A			I				A			A	I				I
OK121600040020_00	Lake O' the Cherokees, Neosho River Arm	L	5,813	2	2004		X	X						A	X			X	X				I
OK121600040040_00	Hudson Creek	R	8	5		2004	A	A							A			I					N
OK121600040043_00	Flanders Creek	R	2	3	2016		X	X							X			X					X
OK121600040050_00	Little Elm Creek	R	7	3	2016		I	I							X			X					I
OK121600040060_00	Tar Creek	R	12	5		2009						N								I			
OK121600040070_00	Miami Creek	R	3	3	2016		X	X							X			X					X
OK121600040080_00	Garrett Creek	R	3	3	2016		X	X							X			X					X
OK121600040090_00	Quapaw Creek	R	4	3	2016		X	X							X			X					X
OK121600040100_00	Lytle Creek	R	4	4a	2011		X	X							X			X					X
OK121600040110_00	Coal Creek	R	10	3	2016		X	X							X			X					X
OK121600040120_00	Neosho River	R	3	3	2016		X	X							X			X					X
OK121600040130_00	Cow Creek	R	12	5		2009	A	A							A			N					N
OK121600040140_00	Windy Creek	R	5	3	2016		X	X							X			X					X
OK121600040150_00	Elm Creek	R	11	3	2016		X	X							X			X					X

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OK121600040160_00	Mud Creek	R	3	3	2016		X	X							X			X					X
OK121600040170_00	Fourmile Creek	R	7	5		2009	A	A							A			N					N
OK121600040180_00	Squaw Creek	R	6	3	2016		X	X							X			X					X
OK121600040190_00	Slow Creek	R	4	3	2016		X	X							X			X					X
OK121600040200_00	Russell Creek	R	11	5		2009	A	X							X			N					N
OK121600040210_00	Elm Creek	R	5	3	2016		X	X							X			X					X
OK121600040220_00	Neosho River Oxbow Lake	L	14	2	2016		I	A			I				A			I	I				I
OK121600050010_00	Spavinaw Creek	R	1	3	2016		X	X	X									X	X		X		
OK121600050020_00	Spavinaw Lake	L	1,584	5		2005	N	I										I	I		X		N
OK121600050030_00	Chicken Hollow Creek	R	3	3	2016		X	X	X									X	X		X		
OK121600050040_00	Black Hollow Creek	R	5	3	2016		X	X	X									X	X		X		
OK121600050050_00	Groundhog Hollow Creek	R	2	3	2016		X	X	X									X	X		X		
OK121600050060_00	Spavinaw Creek	R	16	3	2016		X	X	X									X	X		X		
OK121600050070_00	Eucha Lake (Upper Spavinaw)	L	2,860	5		2003	N	I										I	I		X		N
OK121600050080_00	Galcatcher Hollow Creek	R	3	3	2016		X	X	X									X	X		X		
OK121600050090_00	Soldier Hollow Creek	R	2	3	2016		X	X	X									X	X		X		
OK121600050100_00	Rattlesnake Creek	R	6	3	2016		X	X	X									X	X		X		
OK121600050110_00	Runaway Hollow Creek	R	2	2	2016		A	A	A									I	X		X		
OK121600050120_00	Dry Creek	R	10	3	2016		X	X	X									X	X		X		
OK121600050130_00	Teesquatnee Hollow Creek	R	4	3	2016		X	X	X									X	X		X		
OK121600050140_00	Brush Creek	R	17	3	2016		I	I	I									X	X		X		
OK121600050150_00	Spavinaw Creek	R	15	3	2003		X	X	X									X	X		X		
OK121600050160_00	Beaty Creek	R	13	5		2009	A	A	A									N	X		X		
OK121600050170_00	Town Creek	R	1	3	2016		X	X	X									X	X		X		
OK121600050180_00	Cloud Creek	R	13	3	2016		X	X	X									X	X		X		
OK121600050190_00	Beartoter Hollow Creek	R	4	3	2016		X	X	X									X	X		X		
OK121600050200_00	Hog Eye Creek	R	6	3	2016		X	X	X									X	X		X		
OK121600050210_00	Beamer Hollow Creek	R	3	3	2016		X	X	X									X	X		X		

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OK121600050220_00	Cherokee Creek	R	8	3	2016		X	X	X									X	X		X		
OK121600050230_00	Coon Creek	R	0	3	2016		X	X	X									X	X		X		
OK121600060010_00	Big Cabin Creek	R	6	5		2009	I	A			I				A			I	I				N
OK121600060020_00	Granny Branch	R	3	3	2016		X	X							X			X					X
OK121600060030_00	Elm Creek	R	6	3	2016		X	X							X			X					X
OK121600060040_00	Mustang Creek	R	9	3	2011		X	X							X			X					X
OK121600060060_00	Big Cabin Creek	R	9	2	2016		I	A			I				A			A	I				I
OK121600060070_00	White Oak Creek	R	14	3	2016		I	I							X			X					I
OK121600060080_00	Little Cabin Creek	R	33	5		2009	I	I							X			N					I
OK121600060090_00	Locust Creek	R	11	3	2016		X	X							X			X					X
OK121600060100_00	Success Creek	R	6	3	2016		X	X							X			X					X
OK121600060110_00	Cornatzar Creek	R	4	3	2016		X	X							X			X					X
OK121600060120_00	Shawnee Creek	R	7	3	2016		X	X							X			X					X
OK121600060130_00	Coal Creek	R	6	3	2016		X	X							X			X					X
OK121600060140_00	Jones Creek	R	7	3	2016		X	X							X			X					X
OK121600060150_00	Possum Branch	R	3	3	2016		X	X							X			X					X
OK121600060160_00	Wolf Creek	R	8	3	2016		X	X							X			X					X
OK121600060170_00	Crow Creek	R	6	3	2016		X	X							X			X					X
OK121600060180_00	Bluejacket Creek	R	5	3	2016		X	X							X			X					X
OK121600060190_00	Welch Creek	R	3	3	2016		X	X							X			X					X
OK121600060200_00	Bull Creek	R	11	5		2009	I	N							X			N					N
OK121600060210_00	Kelso Creek	R	3	3	2016		X	X							X			X					X
OK121600060220_00	Big Cabin Creek	R	12	3	2016		I	I							X					I			I
OK121600060230_00	Pecan Creek	R	10	3	2016		X	X							X			X					X
OK121600060240_00	Pawpaw Creek	R	18	5		2009	A	N							X			N					N
OK121600060250_00	White Creek	R	8	3	2016		X	X							X			X					X
OK121600060260_00	Thompson Creek	R	5	3	2016		X	X							X			X					X
OK121600060270_00	Elm Creek	R	7	3	2016		X	X							X			X					X
OK121600060280_00	Big Cabin Creek, West Fork	R	15	3	2016		X	X							X			X					X

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OK121600060290_00	Big Cabin Creek, Middle Fork	R	9	3	2016		I	I							X			X					I
OK121600060300_00	Big Cabin Creek	R	29	3	2016		X	X							X			X					X
OK121600060310_00	Mill Creek	R	5	3	2016		X	X							X			X					X
OK121600060320_00	Frazier Branch	R	6	3	2016		X	X							X			X					X
OK121600060330_00	Whisky Branch	R	3	3	2016		X	X							X			X					X
OK121600060340_00	McDonald Branch	R	5	3	2016		X	X							X			X					X
OK121600060350_00	Deer Creek	R	6	3	2016		X	X							X			X					X
OK121600060360_00	Wolfe Creek	R	4	3	2016		X	X							X			X					X
OK121600060370_00	Willow Creek	R	3	3	2016		X	X							X			X					X
OK121600060380_00	Banzet Creek	R	4	3	2016		X	X							X			X					X
OK121600070010_00	Spring River	R	22	5		2004	I	A	N		I				A			A	I				
OK121600070020_00	Shawnee Branch	R	3	3	2016		X	X	X						X			X	X				
OK121600070030_00	Shawnee Lake	L	1	3	2016		X	X							X			X					X
OK121600070040_00	Flint Branch	R	5	3	2016		X	X	X						X			X	X				
OK121600070050_00	Warren Branch	R	9	2	2016		A	A	A				X		A			I	X				
OK121600070060_00	Rock Creek	R	4	3	2016		X	X							X			X					X
OK121600070070_00	Devil's Hollow Creek	R	4	3	2016		X	X	X						X			X	X				
OK121600070080_00	Elgin Creek	R	3	3	2016		X	X							X			X					X
OK121600070090_00	Hockerville Creek	R	4	3	2016		X	X							X			X					X
OK121600070100_00	Ontario Creek	R	4	3	2016		X	X							X			X					X
OK121600070110_00	Fivemile Creek	R	6	3	2004		I	X	X						X			X	X				
OK121600070120_00	Little Fivemile Creek	R	4	2	2004		A	A							A			X					A
OK121600070130_00	Rock Branch	R	0	3	2016		X	X							X			X					X
OK121610000010_00	Pryor Creek	R	7	3	2011		X	X							X			X					X
OK121610000020_00	Sulphur Creek	R	5	3	2016		X	X							X			X					X
OK121610000040_00	Scarbow Lake	L	150	3	2016		X	X							X			X					X
OK121610000050_00	Pryor Creek	R	9	5		2009	I	X							X			N	X				N
OK121610000060_00	Midamerica Creek	R	4	3	2016		X	X							X			X					X
OK121610000070_00	Seminole Creek	R	9	3	2016		X	X							X			X					X

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OK121610000080_00	Mud Creek	R	8	3	2016		X	X							X			X					X
OK121610000090_00	Pryor Creek	R	14	5		2009	A	A							A			I	X				N
OK121610000100_00	Salt Branch	R	6	3	2016		X	X							X			X					X
OK121610000120_00	Adair Creek	R	5	3	2016		X	X							X			X					X
OK121610000130_00	Bitter Creek	R	6	3	2016		X	X							X			X					X
OK121610000140_00	Osage Creek	R	5	3	2016		X	X							X			X					X
OK121610000150_00	Pryor Creek, Upper	R	25	3	2011		X	X							X					X			I
OK121610000160_00	Little Pryor Creek	R	12	3	2011		X	X							X			X					X
OK121610000170_00	Diver Creek	R	5	3	2016		X	X							X			X					X
OK121610000180_00	Chelsea Creek	R	1	3	2016		X	X							X			X					X
OK121610000190_00	Chelsea Creek, East	R	5	3	2016		X	X							X			X					X
OK121610000200_00	Chelsea Creek, West	R	4	3	2016		X	X							X			X					X
OK121700010010_00	Illinois River	R	10	3	2004		X	X							X			X					X
OK121700010020_00	Deep Branch	R	9	3	2013		X	X							X			X					X
OK121700010030_00	Larue Branch	R	5	3	2013		X	X							X			X					X
OK121700010040_00	Red Bird Smith Creek	R	8	3	2013		X	X							X			X					X
OK121700020010_00	Illinois River	R	21	3	2004		X	X							X			X					X
OK121700020020_00	Tenkiller Ferry Lake	L	6,450	5		2004	N	I						A	I			I	I				N
OK121700020030_00	Pine Creek	R	4	3	2013		X	X							X			X					X
OK121700020040_00	Sawmill Hollow Creek	R	5	3	2013		X	X							X			X					X
OK121700020050_00	Linder Bend Creek	R	2	3	2013		X	X							X			X					X
OK121700020060_00	Salt Branch	R	2	3	2013		X	X							X			X					X
OK121700020070_00	Burnt Cabin Creek	R	5	3	2013		X	X							X			X					X
OK121700020080_00	Dogwood Creek	R	2	3	2013		X	X							X			X					X
OK121700020090_00	Cato Creek	R	6	3	2013		X	X							X			X					X
OK121700020100_00	Snake Creek	R	3	3	2013		X	X							X			X					X
OK121700020110_00	Chicken Creek	R	5	5		2009	I	I							X			X					N
OK121700020130_00	Terrapin Creek	R	8	3	2013		X	X							X			X					X
OK121700020140_00	Sixshooter Creek / Branch	R	4	3	2013		X	X							X			X					X
OK121700020150_00	Sismore Creek	R	5	3	2013		X	X							X			X					X

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OK121700020160_00	Pettit Creek	R	4	3	2013		X	X							X			X					X
OK121700020170_00	Big Hollow Creek	R	3	3	2013		X	X							X			X					X
OK121700020180_00	Elk Creek	R	10	3	2013		X	X							X			X					X
OK121700020190_00	Dry Creek	R	10	3	2013		X	X							X			X					X
OK121700020200_00	Cave Springs Creek (Bolin Hollow)	R	6	3	2013		X	X							X			X					X
OK121700020210_00	Illinois River	R	8	2	2004		X	X	X					A	X			X	X				
OK121700020220_00	Tenkiller Ferry Lake, Illinois River Arm	L	6,450	2	2013		X	X						A	X			X	X				X
OK121700020230_00	Caney Creek	R	21	3	2013		X	X	X									X	X				
OK121700020240_00	Carters Creek	R	4	3	2013		X	X							X			X					X
OK121700020250_00	Mining Camp Hollow Creek, South	R	4	3	2013		X	X							X			X					X
OK121700020260_00	Dripping Spring Hollow Creek	R	4	3	2013		X	X							X			X					X
OK121700020270_00	Park Hill Branch	R	7	3	2013		I	I							X			X					I
OK121700020280_00	Manes Hollow Creek	R	3	3	2013		X	X							X			X					X
OK121700020290_00	Ross Hollow Creek	R	1	3	2013		X	X							X			X					X
OK121700020300_00	Illinois River	R	4	3	2004		X	X							X			X					X
OK121700020310_00	Illinois River, Baron Fork	R	1	3	2004		I	I							X			X					I
OK121700020320_00	Indian Meadows Creek	R	3	3	2013		X	X							X			X					X
OK121700020330_00	Indian Meadows Lake	L	1	3	2013		X	X							X			X					X
OK121700030010_00	Illinois River	R	8	5		2004	N	A	I		I				A			N	I				
OK121700030020_00	Tahlequah Creek	R	2	3	2004		X	X							X			X					X
OK121700030030_00	Stick Ross Creek (Ross Branch)	R	5	3	2013		I	I							X			X					I
OK121700030040_00	Tahlequah Creek (Town Branch)	R	6	5		2009	X	X	X								X	N	X				
OK121700030050_00	Red Oak Hollow Creek	R	3	3	2013		X	X							X			X					X
OK121700030060_00	Little Steely Hollow Creek	R	2	3	2013		X	X							X			X					X
OK121700030070_00	Briggs Hollow Creek, North	R	2	3	2013		X	X							X			X					X

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OK121700030080_00	Illinois River	R	32	2	2004		A	A							A			X					X
OK121700030090_00	Pumpkin Hollow Creek	R	9	3	2013		X	X							X			X					X
OK121700030100_00	Tully Hollow Creek (Borgen)	R	4	3	2013		X	X							X			X					X
OK121700030110_00	Cedar Hollow Creek	R	4	3	2013		X	X							X			X					X
OK121700030120_00	Steely Hollow Creek	R	3	3	2013		I	I							X			X					I
OK121700030130_00	Combs Hollow Creek	R	3	3	2013		X	X							X			X					X
OK121700030140_00	Telamay Hollow Creek	R	3	3	2013		I	I							X			X					I
OK121700030150_00	Molly Field Hollow Creek	R	3	3	2013		X	X							X			X					X
OK121700030160_00	Peavine Hollow Creek	R	3	3	2013		X	X							X			X					X
OK121700030170_00	Dog Hollow Creek	R	4	3	2013		X	X							X			X					X
OK121700030180_00	Scraper Hollow Creek	R	3	3	2013		X	X							X			X					X
OK121700030190_00	Kirk Springs Hollow Creek	R	3	3	2013		X	X							X			X					X
OK121700030200_00	Sawmill Hollow Creek	R	2	3	2013		X	X							X			X					X
OK121700030210_00	Falls Branch	R	5	3	2013		X	X							X			X					X
OK121700030220_00	Black Fox Hollow Creek	R	6	3	2013		X	X							X			X					X
OK121700030230_00	Winset Hollow Creek	R	5	3	2013		X	X							X			X					X
OK121700030240_00	Hasting Hollow Branch	R	3	3	2013		X	X							X			X					X
OK121700030250_00	Fall Branch	R	5	3	2013		X	X							X			X					X
OK121700030260_00	Luna Branch	R	5	3	2013		X	X							X			X					X
OK121700030270_00	Cherokee Mission Creek	R	3	3	2013		X	X							X			X					X
OK121700030280_00	Illinois River	R	15	5		2004	N	A							A			X					X
OK121700030290_00	Flint Creek	R	2	2	2013		A	A							A			X					X
OK121700030300_00	Kill Hollow Creek	R	4	3	2013		X	X							X			X					X
OK121700030310_00	Dripping Springs Branch	R	5	3	2013		X	X							X			X					X
OK121700030320_00	Rock Branch	R	3	3	2013		X	X							X			X					X
OK121700030330_00	Tate Parris Branch	R	4	3	2013		X	X							X			X					X
OK121700030340_00	Beaver Creek (Indiangrave Hollow)	R	2	3	2013		X	X							X			X					X
OK121700030350_00	Illinois River	R	5	5		2004	N	A	N		I						X	N	I				

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OK121700030360_00	Frances Lake	L	562	3	2013		X	X							X			X					X
OK121700030370_00	Ballard Creek	R	13	3	2004		X	X							X			X					X
OK121700040010_00	Caney Creek	R	2	5		2005	I	A	N		I				A			N	I				
OK121700040020_00	Negro Jake Hollow Creek	R	6	3	2013		X	X							X			X					X
OK121700040030_00	Tailholt Creek	R	4	3	2013		X	X							X			X					X
OK121700040040_00	Bidding Creek	R	6	3	2013		X	X							X			X					X
OK121700040050_00	Spade Creek	R	5	3	2013		X	X							X			X					X
OK121700040060_00	Spade Branch	R	4	3	2013		X	X							X			X					X
OK121700040070_00	Smith Hollow Creek	R	4	3	2013		X	X							X			X					X
OK121700040080_00	Goat Mountain Creek	R	4	3	2013		X	X							X			X					X
OK121700040090_00	Mulberry Hollow Creek	R	4	3	2013		X	X							X			X					X
OK121700050010_00	Illinois River, Baron Fork	R	23	5		2004	N	A	I		I						X	N	I				
OK121700050030_00	Welling Creek	R	3	3	2013		X	X							X			X					X
OK121700050040_00	Mining Camp Hollow Creek, North-North	R	3	3	2013		X	X							X			X					X
OK121700050050_00	Willow Branch	R	2	3	2013		X	X							X			X					X
OK121700050052_00	Field Hollow Creek	R	3	3	2013		X	X							X			X					X
OK121700050060_00	Briggs Hollow Creek, South	R	5	3	2013		X	X							X			X					X
OK121700050070_00	Walltrip Branch	R	6	3	2013		X	X							X			X					X
OK121700050080_00	Proctor Mountain Creek	R	4	3	2013		X	X							X			X					X
OK121700050090_00	Tyner Creek	R	15	2	2013		A	A							A			X					I
OK121700050100_00	South Proctor Creek, West	R	3	3	2013		X	X							X			X					X
OK121700050110_00	Dennison Hollow Creek	R	2	3	2013		X	X							X			X					X
OK121700050111_00	South Proctor Creek, East	R	4	3	2013		X	X							X			X					X
OK121700050120_00	Peachester Creek	R	10	2	2008		A	A	I								X	X	X				
OK121700050130_00	Scraper Hollow Creek	R	5	3	2013		I	I	X								X	X	X				
OK121700050140_00	England Hollow Creek	R	6	3	2013		X	X	X								X	X	X				
OK121700050150_00	Green Creek	R	7	3	2013		X	X	X								X	X	X				
OK121700050160_00	Westville Lake	L	1	3	2013		X	X							X			X					X

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OK121700050170_00	Illinois River, Baron Fork	R	10	3	2004		I	X							X			X					X
OK121700050180_00	Shell Branch	R	8	4a	2008		I	I	I								X	X	X				
OK121700050190_00	Peavine Creek	R	8	3	2013		X	X							X			X					X
OK121700050200_00	Evansville Creek	R	13	3	2013		X	X	X								X	X	X				
OK121700050210_00	West Branch	R	1	3	2004		X	X							X			X					X
OK121700060010_00	Flint Creek	R	7	5		2004	N	A	I		I				A			N	I				
OK121700060020_00	Fivemile Hollow Creek	R	5	3	2013		X	X							X			X					X
OK121700060030_00	Calunchety Hollow Creek	R	4	3	2013		X	X							X			X					X
OK121700060040_00	Battle Creek (Battle Branch)	R	5	2	2013		I	I							X			X					A
OK121700060050_00	Blue Spring Branch	R	2	3	2013		X	X							X			X					X
OK121700060060_00	Hazelnut Hollow Creek	R	2	3	2013		X	X							X			X					X
OK121700060070_00	Crazy Creek (Glasby)	R	6	3	2013		X	X							X			X					X
OK121700060080_00	Flint Creek	R	5	3	2013		X	X	X		X						X	X	X				
OK121700060090_00	Sager Creek	R	1	5		2005	I	A	I						A			N	N				
OK121700060100_00	Fagan Creek	R	4	3	2013		X	X	X								X	X	X				
OK220100010010_00	Poteau River	R	21	3	2013		X	X			X				X			X	X				X
OK220100010010_10	Poteau River	R	2	3	2013		X	X			X				X			X	X				X
OK220100010010_20	Poteau River	R	9	3	2013		X	X			X				X			X	X				X
OK220100010010_30	Poteau River	R	2	3	2013		X	X			X				X			X	X				X
OK220100010010_40	Poteau River	R	27	5		2005	I	A			I				A			A	I				N
OK220100010020_00	Cedar Creek	R	3	3	2013		X	X							X			X					X
OK220100010030_00	Cedar Creek, Trib	R	2	3	2013		X	X				X			X					X			
OK220100010040_00	Holi-Tuska Creek	R	8	3	2013		X	X							X			X	X		X		X
OK220100010050_00	New Spiro Lake	L	254	5		2006	A	I							I			I	I				N
OK220100010060_00	Coal Creek	R	7	3	2013		X	X							X			X					X
OK220100010070_00	Poteau River, James Fork	R	17	3	2013		I	I							X			X	X				I
OK220100010080_00	Poteau River, James Fork, Trib	R	4	3	2013		X	X							X			X					X
OK220100010100_00	Brazil Creek	R	0	3	2013		X	X							X			X	X				X

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OK220100010110_00	Rock Creek	R	7	3	2013		X	X							X			X					X
OK220100010120_00	Riddle Creek	R	13	3	2013		X	X				X			X					X			
OK220100010130_00	Cameron Creek	R	4	3	2013		X	X				X			X					X			
OK220100010140_00	Polk Creek	R	5	3	2013		X	X							X			X					X
OK220100010150_00	Town Creek	R	4	3	2013		X	X							X			X					X
OK220100010160_00	Sugarloaf Creek	R	15	3	2013		I	I							X			X	X				I
OK220100010170_00	Morris Creek	R	14	3	2008		X	X							X			X					X
OK220100010180_00	Caston Creek	R	17	3	2008		X	X							X			X	X				X
OK220100010190_00	Mountain Creek	R	10	3	2013		X	X							X			X					X
OK220100010200_00	Coal Creek	R	9	2	2013		X	X		A					X			X					X
OK220100010210_00	Coal Creek, Trib	R	2	3	2013		X	X							X			X					X
OK220100010220_00	Coal Creek, Trib	R	3	3	2013		X	X							X			X					X
OK220100020010_00	Poteau River	R	36	2	2008		I	A			I				A			A	I				I
OK220100020020_00	Wister Lake	L	7,333	5		2004	N	X							X			X	X				X
OK220100020030_00	Poteau River, Black Fork	R	2	3	2013		I	I							X			X	X				I
OK220100020040_00	Poteau River, Black Fork	R	30	2	2013		A	A	I				X					X	X				
OK220100020050_00	Cedar Creek	R	8	3	2013		X	X										X	X				X
OK220100020060_00	Cedar Lake	L	78	5		2006	A	I							I			I					N
OK220100020070_00	Shawnee Creek	R	6	3	2013		X	X							X			X					X
OK220100020080_00	Big Creek	R	13	3	2013		X	X	X									X	X				
OK220100020090_00	Big Creek, Trib	R	6	2	2013		X	X		A					X			X					X
OK220100020100_00	Oil Branch	R	5	3	2013		X	X							X			X					X
OK220100020110_00	Oil Branch, Trib	R	4	3	2013		X	X							X			X					X
OK220100030010_00	Brazil Creek	R	18	5		2008	A	N							X			N	X				N
OK220100030010_10	Brazil Creek	R	30	3	2013		X	X							X			X	X				X
OK220100030020_00	Buck Creek	R	11	3	2013		X	X							X			X					X
OK220100030030_00	Doe Creek	R	2	3	2013		X	X							X			X					X
OK220100030040_00	Bokoshe Lake	L	21	3	2013		X	X							X			X					X
OK220100030050_00	Owl Creek	R	12	3	2013		X	X							X			X					X
OK220100030060_00	Wolf Creek	R	6	3	2013		X	X							X			X					X

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OK220100030070_00	Wolf Creek, Trib	R	1	3	2013		X	X							X			X					X
OK220100030080_00	Reese Lake	L	17	3	2013		X	X							X			X					X
OK220100040010_00	Fourche Maline Creek	R	7	3	2008		I	I							I			X	I				I
OK220100040020_00	Fourche Maline Creek	R	37	5		2005	I	A			I				A			N	I				N
OK220100040020_10	Fourche Maline Creek	R	23	3	2013		X	X			X				X			X	X				X
OK220100040030_00	Holson Creek	R	23	2	2013		I	A							A			X					I
OK220100040040_00	Long Creek	R	21	3	2013		X	X							X			X					X
OK220100040050_00	Red Oak Creek	R	11	5		2008	A	N							I			X					N
OK220100040060_00	Pigeon Creek	R	7	3	2013		X	X							X			X					X
OK220100040070_00	Little Fourche Maline Creek	R	14	3	2013		X	X							X			X	X				X
OK220100040080_00	Bandy Creek	R	13	3	2008		I	X							X			X					I
OK220100040090_00	Bandy Creek, Trib	R	6	3	2013		X	X							X			X	X		X		X
OK220100040100_00	Lloyd Church Lake (Wilburton City)	L	160	5		2006	A	I							I			I					N
OK220100040110_00	Fourche Maline Creek, Trib	R	2	3	2013		X	X				X			X					X			
OK220100040120_00	Coon Creek	R	4	3	2013		X	X							X			X	X		X		X
OK220100040130_00	Coon Creek Lake	L	32	3	2013		X	X							X			X					X
OK220100040140_00	Carlton Lake	L	52	3	2013		X	X							X			X					X
OK220100040150_00	Wayne Wallace Lake	L	94	5		2005	A	I							I			I					N
OK220100040160_00	Rough Canyon Creek	R	2	3	2013		X	X							X			X					X
OK220100040170_00	Smooth Creek	R	2	3	2013		X	X							X			X					X
OK220200010010_00	Arkansas River	R	21	2	2008		I	A			I			A	A	A		I	X				I
OK220200010020_00	Camp Creek	R	14	3	2013		X	X	X									X	X				
OK220200010030_00	Big Skin Bayou	R	29	3	2013		I	I							X			X	X				I
OK220200010040_00	Little Skin Bayou	R	11	3	2013		X	X							X			X					X
OK220200010060_00	Cache Creek	R	22	2	2013		A	A							A			X	A				A
OK220200010070_00	Redbank Creek	R	5	3	2013		X	X							X			X					X
OK220200010090_00	Coal Creek	R	13	3	2013		X	X							X			X					X
OK220200010100_00	Onion Creek	R	11	3	2013		X	X				X			X					X			

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OK220200020010_00	Arkansas River	R	30	2	2008		X	X						A	X	A		X	X				X
OK220200020020_00	Robert S. Kerr Lake	L	43,800	5		2005	A	I						A	I	A		I	I				N
OK220200020040_00	Little Sallisaw Creek	R	20	3	2013		I	I							X			X	X				I
OK220200020070_00	Mule Creek	R	10	3	2013		X	X							X			X					X
OK220200020090_00	Club Lake	L	1	3	2013		X	X							X			X					X
OK220200020110_00	Lone Star Steel Lake	L	1	3	2013		X	X							X			X					X
OK220200020120_00	Little Sans Bois Creek	R	16	3	2013		X	X							X			X					X
OK220200020130_00	Vian Creek	R	28	3	2013		I	I	I						X			X	X				
OK220200020140_00	Little Vian Creek	R	13	3	2013		X	X	X						X			X	X				
OK220200030010_00	Sallisaw Creek	R	47	2	2008		A	A	I				X		A			X	X				
OK220200030020_00	Shiloh Branch	R	4	3	2013		X	X							X			X					X
OK220200030030_00	Brushy Creek	R	15	3	2013		X	X	X						X			X	X		X		
OK220200030040_00	Brushy Creek Lake	L	358	5		2006	A	I							I			I	I				N
OK220200030050_00	Brushy Lake	L	227	3	2013		X	X							X			X					X
OK220200030060_00	Dry Creek	R	9	3	2013		X	X							X			X					X
OK220200030070_00	Marble City Lake	L	1	3	2013		X	X							X			X					X
OK220200030080_00	Greasy Creek	R	11	3	2013		X	X	X						X			X	X				
OK220200030100_00	Greasy Lake	L	1	3	2013		X	X							X			X					X
OK220200030120_00	Stilwell City Lake	L	188	5		2006	A	I							I			I					N
OK220200040010_00	Sans Bois Creek	R	9	3	2013		X	X							X			X	X				X
OK220200040010_10	Sans Bois Creek	R	11	3	2013		X	X							X			X	X				X
OK220200040010_20	Sans Bois Creek	R	5	3	2013		X	X							X			X	X				X
OK220200040010_30	Sans Bois Creek	R	7	3	2013		X	X							X			X	X				X
OK220200040010_40	Sans Bois Creek	R	28	5		2008	I	I							I			N	I				N
OK220200040020_00	Pruit Valley Creek (John Wells (Stigler))	R	10	3	2013		X	X							X			X					X
OK220200040030_00	John Wells Lake (Stigler)	L	194	5		2006	A	I							I			I	I		X		N
OK220200040050_00	Sans Bois Creek, Mountain Fork	R	19	5		2008	A	A							A			N					N
OK220200040060_00	Beaver Creek	R	15	2	2013		X	X		A					X			X					X
OK220200040080_00	Quinton City Lake	L	25	3	2013		X	X							X			X					X

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OK220200050010_00	Lee Creek	R	18	3	2013		X	X	X				X					X	X				
OK220200050020_00	Webber Creek	R	2	3	2013		X	X	X								X	X	X				
OK220200050030_00	Briar Creek (Bear)	R	6	3	2013		X	X	X								X	X	X				
OK220200050040_00	Little Lee Creek	R	12	3	2013		X	X	X								X	X	X				
OK220200050050_00	Jenkins Creek	R	7	3	2013		I	I	I								X	X	X				
OK220200050060_00	Garrison Creek	R	9	3	2013		X	X							X			X					X
OK220300000010_00	Canadian River	R	28	2	2008		I	A			I			A	A	A		A	I				I
OK220300000020_00	Taloka Creek	R	16	3	2013		X	X							X			X	X				X
OK220300000030_00	Snake Creek	R	7	3	2008		X	X							X					X			X
OK220300000040_00	Emachaya Creek	R	16	3	2013		X	X							X			X	X				X
OK220600010010_00	Canadian River	R	27	3	2008		X	X							X			X	X				X
OK220600010020_00	Eufaula Lake	L	11,389	3	2008		X	X							X			X	X				X
OK220600010030_00	Brooken Creek	R	10	3	2013		X	X							X			X					X
OK220600010040_00	Brooken Creek, Trib	R	2	3	2013		X	X							X			X					X
OK220600010050_00	Eufaula Lake, Canadian River Arm	L	11,389	3	2008		X	X							X			X	X				I
OK220600010060_00	Eufaula Lake, Longtown Creek Arm	L	11,389	3	2013		X	X							X			X	X				X
OK220600010070_00	Longtown Creek	R	26	5		2006	A	A							A			N	X				N
OK220600010080_00	Lick Creek	R	6	3	2013		X	X							X			X					X
OK220600010090_00	Eufaula Lake, Mill Creek Arm	L	11,389	3	2008		X	X							X			X	X				X
OK220600010100_00	Mill Creek	R	6	3	2013		X	X							X			X	X				X
OK220600010100_10	Mill Creek	R	3	3	2013		X	X							X			X	X				X
OK220600010100_20	Mill Creek	R	24	5		2005	A	A							A			N	A				N
OK220600010110_00	Flat Rock Creek	R	10	3	2013		X	X							X			X					X
OK220600010119_00	Canadian River	R	17	3	2013		X	X			X				X			X	X				X
OK220600010119_10	Canadian River	R	39	5		2005	I	N			I				I			A	I				N
OK220600010120_00	Scipio Creek	R	20	3	2013		X	X							X			X					X
OK220600010130_00	Hay Creek	R	5	3	2013		X	X							X			X					X
OK220600010140_00	Cindy Creek	R	7	3	2013		I	I							I			X	I				I

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OK220600010150_00	Pond Creek	R	6	5		2013	X	N							I			X					X
OK220600010160_00	Gobbler Creek	R	8	3	2013		X	I							I			X					I
OK220600020010_00	Coal Creek	R	68	3	2008		I	X							X			X	X				I
OK220600020020_00	Bull Creek	R	14	3	2013		X	X							X			X	X		X		X
OK220600020030_00	McAlester Lake	L	1,521	5		2005	A	I							I			I	I		X		N
OK220600020050_00	Talawanda 2 Lake	L	195	5		2005	A	I							I			I					N
OK220600020060_00	Talawanda 1 Lake	L	91	5		2006	A	I							I			I					N
OK220600020070_00	Big Wildhorse Creek	R	23	3	2013		X	X							X			X					X
OK220600020080_00	Deer Creek	R	16	3	2008		X	X							X			X					X
OK220600020090_00	Sandy Creek	R	6	3	2013		X	X							X					X			X
OK220600020100_00	Coal Creek, Trib A!	R	2	3	2013		X	I							I			X					I
OK220600030010_00	Brushy Creek	R	6	5		2005	I	A			I				A			N	I				N
OK220600030010_10	Brushy Creek	R	25	5		2005	I	A			I				A			N	I				N
OK220600030010_20	Brushy Creek	R	13	3	2008		X	X			X				X			X	X				X
OK220600030020_00	Blue Creek	R	14	3	2008		X	X							X			X	X				I
OK220600030040_00	Hartshorne Lake	L	83	3	2013		X	X							X			X					X
OK220600030050_00	Peaceable Creek	R	17	5		2006	A	A							A			N	X				N
OK220600030050_10	Peaceable Creek	R	6	3	2013		X	X							X			X	X				X
OK220600030050_20	Peaceable Creek	R	6	3	2013		X	X							X			X	X				X
OK220600030060_00	Chun Creek	R	18	2	2008		X	X		A					X			X					X
OK220600030080_00	Bull Creek	R	13	3	2013		X	X							X			X	X		X		X
OK220600030090_00	Brown Lake	L	139	3	2013		X	X							X			X					X
OK220600040010_00	Gaines Creek	R	39	5		2006	A	A							A			N	X				N
OK220600040010_10	Gaines Creek	R	11	3	2013		X	X							X			X	X				X
OK220600040020_00	Boiling Springs Creek	R	8	3	2013		X	X							X			X					X
OK220600040030_00	Beaver Creek	R	12	5		2006	A	A							A			N					N
OK220600040040_00	Pit Creek	R	8	5		2006	I	N							X			X					N
OK220600040050_00	Cedar Creek	R	5	3	2013		X	X							X			X					X
OK220600040060_00	Buffalo Creek	R	15	3	2013		X	X							X			X					X

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OK220600050010_00	Eufaula Lake, Gaines Creek Arm	L	11,389	3	2013		I	I							I			I	I				I
OK220600050020_00	Gibson Creek	R	8	3	2013		X	X				X			X					X			
OK220600050030_00	Rock Creek	R	18	3	2013		X	X							X			X					X
OK220600050040_00	Ash Creek	R	20	3	2013		X	X							X			X	X				X
OK220600050050_00	Jones Creek	R	11	3	2013		X	X							X			X					X
OK220600050060_00	Mud Creek	R	11	4a	2008		X	X							X			X					X
OK220600050070_00	Buck Creek	R	5	3	2013		X	X							X			X					X
OK310800010010_00	Washita River	R	69	3	2009		X	X							X			X	X				I
OK310800010011_00	Texoma Lake, Washita River Arm, Lower	L	17,600	2	2009		X	X						A	X			X	X				I
OK310800010012_00	Rock Creek	R	12	3	2009		X	I							X			X					X
OK310800010020_00	Glasses Creek	R	17	2	2014		I	A							A			I	X				I
OK310800010030_00	Little Galsses Creek	R	9	3	2014		X	X							X			X					X
OK310800010040_00	Carter Lake	L	108	3	2014		X	X							X			I					I
OK310800010050_00	Texoma Lake, Washita River Arm, Upper	L	17,600	5		2005	I	I						A	I			I	I				N
OK310800010051_00	Old Channel (of Washita)	R	6	5		2009	A	N							I			X	A				I
OK310800010052_00	Kansas Creek	R	5	3	2014		X	X							X			X					X
OK310800010060_00	Butcher Pen Creek	R	8	3	2014		X	X							X			X					X
OK310800010070_00	Polecat Creek	R	4	3	2014		X	X							X			X					X
OK310800010080_00	Bell Creek	R	6	3	2014		X	X							X			X					X
OK310800010090_00	Big Sandy Creek	R	14	3	2014		X	X							X			X					X
OK310800010100_00	Little Sandy Creek	R	10	3	2014		X	X							X			X					X
OK310800010110_00	Buzzard Creek	R	10	3	2014		X	X							X			X					X
OK310800010120_00	Pennington Creek	R	34	3	2014		X	X	X				X		X			X	X				
OK310800010130_00	Cedar Creek	R	5	3	2014		X	X							X			X					X
OK310800010140_00	Reagan Branch	R	4	3	2014		X	X							X			X					X
OK310800010150_00	Keel Creek	R	4	3	2014		X	X							X			X					X
OK310800010160_00	Spring Creek	R	11	3	2014		X	X							X			X					X
OK310800010170_00	Rock Creek	R	17	3	2014		X	X							X			X					X

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OK310800010180_00	Sandy Creek	R	6	3	2014		X	X							X			X					X
OK310800010190_00	Mill Creek	R	38	3	2014		X	X							X			X	X				X
OK310800010200_00	Threemile Creek	R	4	3	2014		X	X							X			X					X
OK310800010210_00	Turkey Creek	R	6	3	2014		X	X							X			X					X
OK310800010220_00	Camp Creek	R	7	3	2014		X	X							X			X					X
OK310800010230_00	Sycamore Creek	R	9	3	2014		X	X							X			X					X
OK310800010240_00	Oil Creek	R	19	5		2009	A	A							A			N	X				I
OK310800020010_00	Washita River	R	32	5		2005	I	A			I				A			N	I				N
OK310800020010_10	Washita River	R	17	3	2014		X	X			X				X			X	X				X
OK310800020020_00	Wolf Creek	R	7	3	2014		X	X							X			X					X
OK310800020040_00	Sand Branch	R	6	5		2009	A	A							A			N					N
OK310800020050_00	Big Branch	R	12	3	2014		X	X							X			X					X
OK310800020060_00	Cool Creek	R	10	3	2014		X	X							X			X					X
OK310800020070_00	Board Hollow Creek	R	5	3	2014		X	X							X			X					X
OK310800020080_00	Rock Creek	R	5	3	2014		X	X							X			X	X		X		X
OK310800020090_00	Rock Creek	R	9	3	2014		X	X							X			X	X		X		X
OK310800020100_00	Arbuckle Lake (Lake of the Arbuckles)	L	2,350	2	2009		A	I							I			I	I		X		I
OK310800020120_00	Veterans Lake	L	64	3	2014		X	X							X			X					X
OK310800020121_00	Travertine Creek	R	3	3	2014		X	X							X			X					X
OK310800020122_00	Rock Creek	R	13	3	2009		I	X							X			X	X		X		I
OK310800020124_00	Cochran Creek	R	7	3	2014		X	X							X			X					X
OK310800020130_00	Guy Sandy Creek	R	22	3	2014		I	I					X		I			X	I				I
OK310800020140_00	Falls Creek	R	6	3	2014		X	X							X			X					X
OK310800020150_00	Dry Sandy Creek	R	8	3	2014		X	X							X			X	X				X
OK310800020160_00	Honey Creek	R	13	3	2014		X	X					X		X			X	X				X
OK310800020170_00	Lick Creek	R	5	3	2014		X	X							X			X					X
OK310800020180_00	Colbert Creek	R	12	3	2014		X	X							X			X					X
OK310800020190_00	Chigley Sandy Creek	R	14	5		2009	A	A							A			N	X				I
OK310800020200_00	Chigley Sandy Creek, East Branch	R	7	3	2014		X	X							X			X	X				X

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OK310800020210_00	Chigley Sandy Creek, West Branch	R	5	3	2014		X	X							X			X					X
OK310800030010_00	Caddo Creek	R	50	2	2009		I	A							A			X	A				I
OK310800030010_06	Caddo Creek	R	10	5		2009	I	N							I			X					I
OK310800030020_00	Sand Creek	R	8	4a	2009		X	X							X			X					X
OK310800030030_00	Deadman Branch	R	6	3	2014		X	X							X			X					X
OK310800030040_00	Bullhead Creek	R	5	3	2014		X	X							X			X					X
OK310800030050_00	Buzzard Creek	R	9	3	2014		X	X							X			X					X
OK310800030070_00	Ardmore City Lake (City)	L	142	5		2005	A	I							I			I					N
OK310800030090_00	Ardmore Lake	L	122	3	2014		X	X							X			X					X
OK310800030100_00	Rock Creek	R	2	3	2014		X	X							X			X	X				X
OK310800030110_00	Rock Creek	R	4	3	2014		X	X							X			X	X		X		X
OK310800030120_00	Site # 18 Lake	L	248	5		2005	A	I							I			I	X		X		N
OK310800030130_00	Philips Creek	R	11	3	2014		X	X							X			X					X
OK310800030140_00	Jean Neustadt Lake	L	462	5		2005	A	I							I			I					N
OK310800030150_00	Grindstone Creek	R	6	3	2014		X	X							X			X					X
OK310800030160_00	Sullivan Creek	R	8	3	2014		X	X							X			X					X
OK310800030170_00	Henry House Creek	R	16	3	2014		X	X							X			X					X
OK310800030180_00	Red Branch	R	5	3	2014		X	X							X			X					X
OK310800030190_00	Hickory Creek	R	8	3	2014		X	X							X			X	X				X
OK310800030200_00	Mountain Lake	L	210	3	2014		X	X							X			X					X
OK310800030210_00	Hickory Creek	R	5	3	2014		X	X							X			X	X		X		X
OK310800030220_00	Spring Creek	R	10	3	2014		X	X							X			X					X
OK310800030230_00	Spring Creek, West	R	9	3	2014		X	X							X			X					X
OK310800030240_00	Hug-me-Tight Branch	R	6	3	2014		X	X							X			X					X
OK310800030250_00	Bear Creek	R	10	3	2014		I	I							I			X	I				I
OK310800030260_00	Russell Pretty Branch	R	5	2	2009		I	A							I			X	A				I
OK310800030265_00	Briar Branch	R	4	5		2009	I	N							I			X	I				I
OK310800030270_00	Flag Branch	R	5	2	2009		A	A							A			X	A				A
OK310800030280_00	Pruitt Branch	R	5	5		2009	A	N							I			X	A				I

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OK310800030290_00	Russell Pretty Branch, Trib A!	R	1	5		2014	I	N							I			X					I
OK310810010010_00	Washita River	R	21	3	2009		X	X			X				X			X	X				X
OK310810010010_10	Washita River	R	33	5		2005	I	N			I				X			N	I				N
OK310810010020_00	Wildhorse Creek	R	9	5		2009	X	N							I			X	X				I
OK310810010030_00	Whiskey Creek	R	4	2	2014		I	I							I			X	A				I
OK310810010040_00	Garrison Creek	R	9	3	2014		X	X							X			X					X
OK310810010050_00	Kickapoo Sandy Creek	R	10	3	2014		X	X							X			X	X				X
OK310810010060_00	Turkey Sandy Creek	R	7	3	2014		X	X							X			X					X
OK310810010070_00	Red Branch	R	7	3	2014		I	I							I					X			I
OK310810010080_00	Negro Sandy Creek	R	7	3	2014		I	I							I			X	I				I
OK310810010090_00	Rush Creek	R	5	5		2009	A	N							I			X	A				I
OK310810010100_00	Cherokee Sandy Creek	R	16	3	2014		I	I							I			X	I				I
OK310810010110_00	Wolf Creek	R	5	3	2014		X	I							I			X					I
OK310810010120_00	Peavine Creek	R	4	3	2014		I	I							I			X	I				I
OK310810010130_00	Peavine Creek, East	R	11	3	2014		X	X							X			X	X				X
OK310810010150_00	Byars Lake	L	75	3	2009		X	X							X			X					X
OK310810010160_00	Little Peavine Creek	R	7	3	2014		X	X							X			X					X
OK310810010170_00	Washington Creek	R	2	3	2014		X	X							X			X	X				X
OK310810010180_00	Pauls Valley Lake	L	750	2	2014		A	I							I			I	I		X		I
OK310810010186_00	RC Longmire Lake	L	745	5		2005	A	I							I			I					N
OK310810010190_00	Washington Creek	R	8	3	2009		X	X							X			X	X				X
OK310810010200_00	Owl Creek	R	10	3	2014		X	X							X			X					X
OK310810010205_00	Cheek Creek	R	5	3	2014		X	X							X			X					X
OK310810010210_00	Gaddis Creek	R	10	3	2014		X	X							X			X					X
OK310810010220_00	Maysville Lake (Wiley Post)	L	302	2	2009		A	I							I			I					I
OK310810010230_00	Beef Creek	R	7	2	2014		X	X		A		X			X					X			
OK310810010240_00	Brady creek	R	2	3	2009		I	I							I			X	I				I
OK310810010250_00	Gentle Horse Creek!	R	1	3	2014		X	X							X			X					I
OK310810010260_00	Meandering Creek!	R	4	3	2014		X	X							X			X					X

OKWBID	NAME	TYPE	SIZE (Lake Acres or Stream Miles)	CATEGORY	Monitoring Date	TMDL Date	Aesthetics	Agriculture	Cool Water Aquatic Community	Emergency Water Supply	Fish Consumption	Habitat Limited Aquatic Community	High Quality Water	Hydropower Generation	Industry	Navigation	Outstanding Resource	Primary Contact (Recreation)	Public/Private Water Supply	Secondary Contact (Recreation)	Sensitive Water Supply	Trout Fishery	Warm Water Aquatic Community
OK310810020010_00	Washita River	R	55	5		2009	I	N							I			X	A				I
OK310810020020_00	Finn Creek	R	15	2	2014		A	A							A			X	A				I
OK310810020030_00	Turkey Creek	R	8	3	2014		X	X							X			X					X
OK310810020040_00	Second Creek	R	6	3	2014		X	X							X			X					X
OK310810020050_00	Criner Creek	R	12	2	2014		A	A							A			X	A				I
OK310810020060_00	Wolf Creek	R	4	3	2014		X	X							X			X					X
OK310810020070_00	Panther Creek	R	5	3	2014		I	I							X			X					I
OK310810020080_00	Wildcat Creek	R	3	3	2014		X	X							X			X					X
OK310810020090_00	Criner Creek, North	R	5	3	2014		X	X							X			X					X
OK310810020100_00	Happy Hollow Creek	R	7	3	2014		I	I							I			X	I				I
OK310810020110_00	Bear Creek	R	8	3	2014		X	X							X			X					X
OK310810020120_00	Hybarger Creek	R	6	3	2014		X	X							X			X					X
OK310810020130_00	Cavel Creek	R	6	3	2014		X	X							X			X					X
OK310810020140_00	Rounds Creek	R	8	3	2014		X	X							X			X					X
OK310810020150_00	Larimore Creek	R	6	3	2014		X	X							X			X					X
OK310810020155_00	Sandy Creek	R	4	3	2014		X	X							X			X					X
OK310810020160_00	Colbert Creek	R	9	3	2014		X	X							X			X	X				X
OK310810020170_00	Roaring Creek	R	18	5		2009	A	A							A			N	X				N
OK310810020180_00	Roaring Creek, East	R	7	3	2014		I	I							X			X					I
OK310810020190_00	Middle Roaring Creek	R	6	3	2014		X	X							X			X					X
OK310810020200_00	Lafin Creek	R	13	5		2009	A	A							A			N	X				I
OK310810020210_00	Soldier Creek	R	4	3	2014		X	X							X			X					X
OK310810020220_00	Winter Creek	R	12	2	2014		A	A							A			I	X				I
OK310810020230_00	Dry Creek	R	9	3	2014		X	X							X			X					X
OK310810020240_00	Beef Creek	R	7	3	2014		X	X							X			X					X
OK310810020250_00	Golden Trend Creek	R	6	3	2014		I	I							I			X	I				I
OK310810020260_00	Stealy Creek!	R	2	5		2014	X	N							I			X					X
OK310810030010_00	Wildhorse Creek	R	22	5		2014	A	N							I			X	A				I
OK310810030020_00	Sandy Creek	R	16	3	2014		X	X							X			X	X				X
OK310810030025_00	Squirrel Creek	R	8	3	2014		X	I							I			X					I

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OK310810030030_00	Fivemile Creek	R	7	2		2009	A	I							I			X	A				I
OK310810030040_00	Rock Creek	R	17	3	2009		X	X							X			X	X				X
OK310810030060_00	Elmore City Lake	L	69	3	2009		X	X							X			X					X
OK310810030070_00	Eightmile Creek	R	10	3	2014		I	I							I			X	I				I
OK310810030080_00	Salt Creek	R	19	2	2014		A	A							A			X	A				A
OK310810030084_00	Honey Creek	R	7	3	2014		X	X							X			X					X
OK310810030090_00	Wildcat Creek	R	6	3	2014		X	X							X			X					X
OK310810030100_00	Massey Creek	R	7	3	2014		X	X							X			X					X
OK310810030110_00	Flat Creek	R	6	3	2014		X	X							X			X					X
OK310810030120_00	Sandy Bear Creek	R	10	3	2014		I	I							X			X					I
OK310810030130_00	Countyline Creek	R	4	5		2014	I	N							I			X					I
OK310810030135_00	Pernell School Creek!	R	2	5		2014	I	N							I			X	X				I
OK310810030140_00	unn Pernell Creek, North	R	4	5		2014	I	N							I			X					I
OK310810030145_00	unn Pernell Creek	R	2	5		2014	I	N							I			X					I
OK310810040010_00	Wildhorse Creek	R	24	5		2014	A	N							I			X	A				I
OK310810040015_00	West County Line Creek	R	3	5		2014	I	N							I			X					I
OK310810040020_00	Panther Creek	R	5	3	2014		I	I							I			X	I				I
OK310810040030_00	Black Bear Creek	R	13	5		2009	A	N							I			X	A				I
OK310810040040_00	Black Bear Creek	R	8	3	2014		X	X							X			X	X		X		X
OK310810040050_00	Fuqua Lake	L	1,500	5		2005	A	I							I			I	I				N
OK310810040060_00	Bluff Creek	R	9	3	2014		I	I							I			X	I				I
OK310810040070_00	Fitzpatrick Creek	R	1	3	2014		X	X							X			X					X
OK310810040080_00	Duncan Lake	L	500	2	2014		A	I							I			I	I				I
OK310810040090_00	Fitzpatrick Creek	R	6	3	2014		X	X							X			X	X		X		X
OK310810040100_00	Dry Creek	R	8	3	2014		I	I							I			X	I				I
OK310810040110_00	Clear Creek	R	3	3	2014		X	X							X			X	X				X
OK310810040120_00	Clear Creek Lake (Chisholm)	L	722	2	2014		A	I							I			I	I				I
OK310810040130_00	Clear Creek	R	8	3	2014		X	X							X			X	X		X		X
OK310810040140_00	Wildhorse Creek	R	13	5		2009	A	N							I			X	A				I

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OK310810040150_00	Humphreys Lake	L	882	2	2014		A	I							I			I	I		X		I
OK310810040160_00	McCubbin Creek	R	7	3	2014		X	X							X			X	X		X		X
OK310810040170_00	Owens Creek	R	5	3	2014		X	I							I			X					I
OK310810050010_00	Rush Creek	R	58	5		2009	A	N							I			I					I
OK310810050020_00	Panther Creek	R	5	3	2014		I	I							I			X	I				I
OK310810050030_00	Coon Creek	R	4	3	2014		I	I							I			X	I				I
OK310810050040_00	Murray Creek	R	7	5		2009	I	N							I			X	I				I
OK310810050050_00	Fourmile Creek	R	5	3	2014		I	I							I			X	I				I
OK310810050060_00	Taylor Lake (Marlow City)	L	227	3	2014		I	I							I			I					I
OK310810050070_00	Unnamed Tributary	R	1	5		2014	X	N							I			X					X
OK310810050080_00	Rush Creek, Trib A!	R	3	3	2014		X	I							I			X					I
OK310810050090_00	Rush Creek, Trib B!	R	3	3	2014		X	I							I			X					I
OK310810050100_00	Rush Creek, Trib C!	R	2	3	2014		X	I							I			X					I
OK310810050110_00	Rush Creek, Trib D!	R	1	5		2014	I	N							I			X					I
OK310820010010_00	Washita River	R	51	3	2009		I	I							X			X	X				I
OK310820010030_00	Bitter Creek	R	6	5		2009	A	I							X			N	X				N
OK310820010040_00	Bitter Creek, East	R	11	3	2014		I	I							X			X	X				I
OK310820010050_00	Spring Creek	R	6	3	2014		X	X							X			X					X
OK310820010060_00	Bitter Creek, West	R	19	3	2014		I	I							X			X	X				I
OK310820010070_00	Brushy Creek	R	12	3	2014		X	X							X			X					X
OK310820010090_00	Shannon Springs Lake	L	40	3	2009		X	X							X			X					X
OK310820010100_00	Line Creek	R	10	3	2014		I	I							X			X					I
OK310820010110_00	Rock Hollow Creek	R	11	3	2014		X	X							X			X					X
OK310820010120_00	Tony Hollow Creek	R	7	3	2014		X	X							X			X					X
OK310820010130_00	Otter Creek	R	5	3	2014		X	X							X			X					X
OK310820010140_00	Salt Creek	R	19	3	2014		I	I							X			X					I
OK310820010150_00	Salt Creek, West Fork	R	12	3	2014		X	X							X			X					X
OK310820010160_00	Ionine Creek	R	6	3	2009		I	X							X			X	X				I
OK310820010170_00	Jack Hollow Creek	R	5	5		2009	I	N							I			X	I				I
OK310820010180_00	Jack Hollow Creek, East	R	6	3	2014		X	X							X			X					X

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OK310820010190_00	Jack Hollow Creek, West	R	7	3	2014		X	X							X			X	X				X
OK310820010200_00	Ionine Creek, East	R	6	3	2009		I	X							X			X					I
OK310820010210_00	Ionine Creek, West	R	9	3	2009		I	X							X			X	X				I
OK310820010220_00	County Line Creek	R	3	3	2014		X	X							X			X					X
OK310820010230_00	Jack Hollow Creek, Trib A!	R	3	5		2014	X	N							I			X					X
OK310820020010_00	Little Washita River	R	37	5		2009	A	I							X			N	X				I
OK310820020012_00	Patrick's Trib	R	2	3	2014		I	I							I			X	I				I
OK310820020014_00	Erica's trib	R	4	3	2014		X	X							X			X					X
OK310820020016_00	Alejandra's Trib	R	3	3	2014		I	I							I			X	I				I
OK310820020020_00	Rock Creek	R	5	5		2009	I	N							I			X	I				I
OK310820020030_00	Hog Creek	R	4	3	2014		X	X							X			X					X
OK310820020040_00	Latheran Creek	R	7	3	2014		X	X							X			X					X
OK310820020050_00	Bills Creek	R	2	3	2014		X	X							X			X					X
OK310820020060_00	Bills Creek, East	R	8	5		2009	I	N							I			X	I				I
OK310820020070_00	Louis Burtschi Lake	L	180	2	2009		A	I							I			I					I
OK310820020080_00	Bills Creek, West	R	7	5		2009	I	N							I			X	I				I
OK310820020090_00	Little Rush Creek	R	5	5		2009	A	N							I			X	I				I
OK310820020100_00	Charlie Creek	R	6	5		2009	I	N							I			X	I				I
OK310820020110_00	McCarty Creek	R	8	5		2009	A	N							I			X	I				A
OK310820020120_00	Chetonia Creek	R	5	5		2009	I	N							I			X	I				I
OK310820020140_00	Allen's Lake	L	10	5		2006	X	N							I			X					X
OK310830010010_00	Washita River	R	30	5		2005	I	A			I				A			N	I				N
OK310830010010_10	Washita River	R	43	3	2014		X	X			X				X			X	X				X
OK310830010030_00	Delaware Creek	R	12	3	2014		I	I							I			X					I
OK310830010050_00	Tonkawa Creek	R	14	3	2014		I	I							X			X					I
OK310830010060_00	Hog Creek	R	8	3	2014		I	I							X			X					I
OK310830010070_00	Leaper Creek	R	5	3	2014		X	X							X			X					X
OK310830010080_00	Public Service #3 Lake	L	575	3	2014		X	X							X			X					X
OK310830010090_00	Deep Creek	R	7	3	2014		X	X							X			X					X

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OK310830010100_00	Two Hatchet Creek	R	5	3	2014		X	X							X			X					X
OK310830010101_00	Dry Creek (Fast Runner)	R	7	3	2014		X	X							X			X					X
OK310830010120_00	Punjo Creek	R	5	3	2014		X	X							X			X					X
OK310830010130_00	Spring Creek	R	8	3	2014		X	X							X			X					X
OK310830010140_00	Gokey Creek	R	11	3	2014		I	I							X			X					I
OK310830010150_00	Cedar Creek	R	6	3	2014		X	X							X			X					X
OK310830010160_00	Cedar Creek	R	11	3	2014		I	I							X			X					I
OK310830020010_00	Washita River	R	30	3	2005		I	I			I				X			X	I				I
OK310830020020_00	Stinking Creek	R	18	3	2014		I	X							X			X	X				I
OK310830020030_00	Saddle Mountain Creek	R	21	3	2014		I	I							X			X	X				I
OK310830020040_00	Pecan Creek	R	15	3	2014		X	X							X			X					X
OK310830020050_00	Cottonwood Creek	R	4	3	2014		X	X							X			X					X
OK310830020055_00	Who Dat	R	2	3	2014		X	X							X			X					X
OK310830020060_00	Rainy Mountain Creek	R	35	3	2009		I	I							X			X					I
OK310830020070_00	Sugar Creek	R	24	3	2014		X	X							X			X					X
OK310830020080_00	Longhorn Creek	R	11	3	2014		X	X							X			X					X
OK310830020090_00	Oak Creek	R	12	3	2014		I	I							X			X	X				I
OK310830020100_00	Gyp Creek	R	8	3	2014		X	X							X			X					X
OK310830020110_00	Vanderwork Lake	L	135	3	2009		I	I							I			I					I
OK310830020120_00	Spring Creek	R	7	3	2014		X	X							X			X					X
OK310830030010_00	Washita River	R	52	5		2004	A	A			I				A			N	I				N
OK310830030010_10	Washita River	R	30	5		2004	A	A			I				A			N	I				N
OK310830030020_00	Gyp Creek	R	9	3	2014		X	X							X			X					X
OK310830030030_00	Friendship Creek	R	7	3	2014		X	X							X			X					X
OK310830030050_00	Cloud Chief Lake	L	80	3	2014		X	X							X			X					X
OK310830030060_00	Two Baby Creek	R	10	3	2014		X	X							X			X					X
OK310830030070_00	Cavalry Creek	R	20	3	2004		I	X							X			X	X				I
OK310830030080_00	Cavalry Creek, South Fork	R	14	3	2004		I	I							X			X					I
OK310830030090_00	Cavalry Creek, North	R	10	2	2014		X	X		A		X			X					X			

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OK310830030100_00	Boggy Creek	R	25	3	2004		I	I							X			X					I
OK310830030110_00	Boggy Creek, South	R	7	3	2014		X	X							X			X					X
OK310830030120_00	Boggy Creek, West	R	4	3	2014		X	X							X			X					X
OK310830030130_00	Adams Lake	L	150	3	2014		X	X							X			X					X
OK310830030140_00	Corn Creek	R	10	3	2014		I	I							X			X					I
OK310830030150_00	Coffee Creek	R	12	3	2014		X	X							X			X					X
OK310830030160_00	Gyp Creek	R	11	3	2014		I	I							X			X					I
OK310830030170_00	Bear Creek	R	18	3	2014		X	X							X			X					X
OK310830030180_00	Turtle Creek	R	15	3	2014		X	X							X			X					X
OK310830030190_00	Beaver Creek	R	23	5		2009	A	N							X					I			I
OK310830030200_00	Barnitz Creek	R	9	3	2004		I	X							X			X	X				X
OK310830030210_00	Barnitz Creek, East	R	26	3	2014		I	I							X			X	X				I
OK310830030220_00	Dry Creek	R	15	3	2014		X	X							X			X					X
OK310830030230_00	Barnitz Creek, West	R	39	5		2009	A	N							X			N	X				N
OK310830030240_00	Leedey Lake	L	80	3	2014		X	X							X			X					X
OK310830030250_00	Sand Creek	R	6	3	2014		X	X							X			X					X
OK310830030260_00	Turkey Creek	R	16	3	2014		I	I							X			X					I
OK310830030270_00	Turkey Creek	R	6	3	2014		X	X							X			X	X		X		X
OK310830030280_00	Clinton Lake	L	335	2	2009		A	I							I			I	I				I
OK310830030290_00	Monument Creek	R	5	3	2014		X	X							X			X	X		X		X
OK310830030300_00	Comet Creek	R	9	3	2014		X	X							X			X					X
OK310830030310_00	Oak Creek	R	22	3	2014		I	I							X			X	X				I
OK310830040010_00	Spring Creek	R	19	3	2014		I	I							X			X	X				I
OK310830040020_00	Chickasha Lake	L	820	2	2014		A	I							I			I	I				I
OK310830040030_00	Stinking Creek	R	13	3	2014		X	X							X			X	X				X
OK310830050010_00	Sugar Creek	R	32	3	2009		I	I							X					X			I
OK310830050020_00	Camp Creek	R	3	3	2014		X	X							X			X					X
OK310830050030_00	Yellow Creek	R	5	3	2014		X	X							X			X					X
OK310830050040_00	White Bread Creek	R	10	3	2014		X	X							X			X					X
OK310830050050_00	Keechi Creek	R	8	3	2014		X	X							X			X					X

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OK310830050060_00	Wildcat Creek	R	8	3	2014		X	X							X			X					X
OK310830050070_00	Medicine Creek	R	7	3	2014		X	X							X			X					X
OK310830050080_00	Kickapoo Creek	R	8	3	2014		X	X							X			X					X
OK310830050090_00	Devil's Canyon Creek	R	8	3	2014		X	X							X			X					X
OK310830050100_00	Red Rock Canyon Creek	R	5	3	2014		X	X							X			X					X
OK310830050110_00	Zobisch Lake Creek	R	3	3	2014		X	X							X			X					X
OK310830060010_00	Cobb Creek	R	17	3	2003		X	X							X			X	X		X		I
OK310830060020_00	Fort Cobb Lake	L	4,100	5		2003	N	I							I			I	I		X		I
OK310830060030_00	Willow Creek	R	11	5		2003	A	A							A			N	X		X		I
OK310830060040_00	Lake Creek	R	16	5		2003	A	A							A			X	X		X		N
OK310830060050_00	Cobb Creek	R	17	3	2003		I	I							X			X	X		X		I
OK310830060060_00	Camp Creek	R	4	3	2014		X	X							X			X	X		X		X
OK310830060070_00	Crooked Creek	R	6	3	2014		X	X							X			X	X		X		X
OK310830060080_00	Fivemile Creek	R	12	3	2003		I	I							X			X	X		X		I
OK310830060090_00	Buck Creek	R	7	3	2014		X	X							X			X	X		X		X
OK310830060100_00	Spring Creek	R	7	3	2014		X	X							X			X	X		X		X
OK310830060110_00	Bull Creek	R	4	3	2014		X	X							X			X	X		X		X
OK310830060120_00	Cobb Creek	R	9	3	2014		X	X							X			X	X		X		X
OK310830060130_00	Crowder Lake	L	158	3	2009		I	I							I			I	I		X		I
OK310830060140_00	Possum Hollow Creek	R	5	3	2014		X	X							X			X	X		X		X
OK310840010010_00	Washita River	R	34	5		2004	I	A			I				A			N	I				N
OK310840010020_00	Foss Lake	L	8,800	2	2004		A	I							I			I	I				I
OK310840010030_00	Soldier Creek	R	9	3	2014		X	X							X			X					X
OK310840010040_00	Little Panther Creek	R	11	3	2014		I	I							X			X					I
OK310840010050_00	Panther Creek	R	12	3	2014		I	I							X			X	X				I
OK310840010060_00	Quartermaster Creek	R	33	5		2004	A	N							X			N	X				N
OK310840010070_00	Wild Horse Creek	R	11	3	2014		X	X							X			X					X
OK310840010080_00	North Branch	R	19	3	2014		X	X				X			X					X			
OK310840010090_00	Dry Branch	R	5	3	2014		X	X							X			X					X
OK310840010100_00	Hay Creek	R	13	3	2014		X	X							X			X	X				X

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OK310840010110_00	Cyclone Creek	R	6	3	2014		X	X							X			X					X
OK310840010120_00	White Shield Creek	R	18	3	2014		X	X				X			X					X			
OK310840010130_00	Ninemile Creek	R	18	3	2014		I	I							X			X					I
OK310840010140_00	Big Kiowa Creek	R	15	3	2014		X	X							X			X					X
OK310840020010_00	Washita River	R	66	5		2009	I	A							A			I	X				N
OK310840020020_00	Sandstone Creek	R	15	3	2014		I	I							X			X	X				I
OK310840020040_00	Sandstone Creek, East Fork	R	10	3	2014		X	X							X			X					X
OK310840020050_00	Currant Creek	R	8	3	2014		X	X							X			X					X
OK310840020060_00	Taylor Lake	L	100	3	2009		X	X							X			X					X
OK310840020070_00	Sandstone Creek	R	10	3	2009		X	X							X			X	X				X
OK310840020080_00	Baker Lake	L	118	3	2009		X	X							X			X					X
OK310840020090_00	Marshall Lake	L	80	3	2014		X	X							X			X					X
OK310840020100_00	Beaverdam Creek	R	9	3	2014		X	X							X			X					X
OK310840020110_00	Wild Horse Creek	R	11	3	2014		X	X							X			X					X
OK310840020120_00	Dead Indian Creek	R	16	3	2014		X	X							X			X	X				X
OK310840020130_00	Dead Indian Lake	L	79	3	2014		X	X							X			X					X
OK310840020140_00	Sergeant Major Creek	R	12	3	2014		I	I				X			I				I	X			
OK310840020150_00	Dry Creek	R	5	3	2014		X	X							X			X					X
OK310840020160_00	Sergeant Major Creek, East Fork	R	6	2	2014		A	A							A			X	I				X
OK310840020170_00	Plum Creek	R	4	3	2014		X	X							X			X					X
OK310840020180_00	Brokenleg Creek	R	8	3	2014		X	X							X			X					X
OK310840020190_00	Croton Creek	R	16	3	2014		X	X							X			X	X				X
OK310840020200_00	Croton Creek, East	R	7	3	2014		X	X							X			X					X
OK310840020210_00	Rush Creek	R	16	3	2014		I	I							X			X	X				I
OK310840020230_00	Skipout Lake (S-53)	L	47	3	2014		X	X							X			X					X
OK310840020240_00	Spring Creek	R	6	3	2009		X	X							X			X					X
OK310840020250_00	Spring Creek Lake (S-42)	L	40	3	2014		X	X							X			X					X
OK310840020260_00	Turkey Creek	R	8	3	2014		X	X							X			X					X
OK310840020270_00	Trunk Creek	R	5	3	2014		X	X							X			X					X

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OK311100010010_00	Red River	R	43	3	2009		X	X							X			X	X				I
OK311100010020_00	Texoma Lake	L	17,600	2	2009		X	X						A	X			X	X				I
OK311100010030_00	Texoma Lake, Red River Arm, Lower	L	17,600	2	2009		X	X						A	X			X	X				I
OK311100010040_00	McLaughlin Creek	R	4	3	2019		X	X							X			X					X
OK311100010050_00	Caney Creek	R	10	3	2019		X	X							X			X					X
OK311100010060_00	Happy Hollow Creek	R	4	3	2019		X	X							X			X					X
OK311100010070_00	Buncombe Creek	R	15	3	2019		X	X							X			X					X
OK311100010080_00	Texoma Lake, Red River Arm, Upper	L	17,600	2	2009		X	X						A	X			X	X				I
OK311100010090_00	Brier Creek	R	15	3	2019		X	X							X			X					X
OK311100010100_00	House Creek	R	9	3	2019		X	X							X			X					X
OK311100010110_00	Hauani Creek	R	5	3	2019		X	X							X			X					X
OK311100010120_00	Little Hauani Creek	R	12	3	2019		X	X							X			X					X
OK311100010130_00	Hauani Creek	R	11	3	2009		X	X							X			X					X
OK311100010140_00	Hauani Lake	L	300	3	2009		X	X							X			X					X
OK311100010150_00	Wilson Creek	R	15	3	2019		X	X							X			X					X
OK311100010170_00	Pumpkin Creek	R	7	3	2019		X	X							X			X					X
OK311100010180_00	Oil Creek	R	8	3	2019		X	X							X			X					X
OK311100010190_00	Red River	R	49	3	2019		X	X			X				X			X	X				X
OK311100010190_10	Red River	R	32	3	2019		X	X			X				X			X	X				X
OK311100010190_20	Red River	R	51	5		2005	I	N			I				I			N	I				N
OK311100010200_00	Corcoran Creek	R	12	3	2019		I	I							X			X					I
OK311100010210_00	Leeper Lake	L	150	3	2019		X	X							X			X					X
OK311100010220_00	Clouds Branch	R	9	3	2019		X	X							X			X					X
OK311100010230_00	Bills Creek	R	8	3	2019		X	X							X			X					X
OK311100010240_00	Rock Creek	R	6	3	2019		X	X							X			X					X
OK311100010250_00	Walnut Bayou	R	0	3	2009		I	X										X	X				I
OK311100010260_00	Dry Creek	R	7	3	2019		X	X							X			X					X
OK311100010270_00	Coffeepot Creek	R	7	3	2019		X	X							X			X					X

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OK311100010290_00	Red Creek	R	23	3	2019		I	I							X			X	X				I
OK311100010295_00	Cat Creek	R	6	3	2019		X	X							X			X					X
OK311100010300_00	Fleetwood Creek	R	11	3	2019		X	X							X			X	X				X
OK311100020010_00	Hickory Creek	R	41	5		2007	I	A			I				A			N	A				I
OK311100020020_00	Anadarche Creek	R	3	3	2019		X	X							X			X	X				X
OK311100020030_00	Anadarche Creek	R	0	3	2019		X	X							X			X	X		X		X
OK311100020040_00	Murray Lake	L	1,909	3	2019		X	X							X			X	X		X		X
OK311100020050_00	Anadarche Creek, East	R	9	3	2019		X	X							X			X	X		X		X
OK311100020060_00	Murray Lake, Anadarche Creek Arm, East	L	1,909	3	2019		X	X							X			X					X
OK311100020070_00	Fourche Maline Creek	R	7	3	2019		X	X							X			X	X		X		X
OK311100020080_00	Anadarche Creek, West	R	12	3	2019		X	X							X			X	X		X		X
OK311100020090_00	Murray Lake, Anadarche Creek Arm, West	L	1,909	5		2006	A	I							I			I	I		X		N
OK311100020100_00	Little Hickory Creek	R	9	3	2019		X	X							X			X					X
OK311100020110_00	Hickory Creek, South Branch	R	7	3	2019		X	X							X			X					X
OK311100020120_00	Spring Branch	R	6	3	2019		X	X							X			X					X
OK311100030010_00	Walnut Bayou	R	24	5		2007	I	A			I				A			N	I				N
OK311100030020_00	Simon Creek	R	20	3	2019		I	I							I			X	I				I
OK311100030030_00	Simon Creek, North	R	5	3	2019		X	X							X			X					X
OK311100030032_00	Sparks Branch	R	4	3	2019		X	X							X			X					X
OK311100030040_00	Cherokee Creek	R	4	3	2019		X	X							X			X					X
OK311100030050_00	Polecat Creek	R	5	3	2019		X	I							I			X					I
OK311100030060_00	Bull Creek	R	7	3	2019		X	X				X			X					X			
OK311100030070_00	Walnut Creek (Walnut Bayou)	R	28	3	2009		I	I							I			X	I				I
OK311100030080_00	Demijohn Creek	R	10	3	2019		X	X							X			X					X
OK311100030090_00	Cottonwood Creek	R	11	3	2019		I	I							I			X	I				I
OK311100030100_00	Red Oak Creek	R	5	3	2019		I	I							I			X	I				I
OK311100030110_00	Oil Branch	R	1	2	2019		A	A							A			X	I				I

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OK311100030120_00	Oil Branch	R	7	3	2019		X	X							X			X	X				X
OK311100030130_00	Healdton Municipal Lake	L	370	2	2009		A	I							I			I					I
OK311100030140_00	Whiskey Creek	R	8	3	2019		I	I				X			I					X			
OK311100030150_00	Red Branch	R	4	3	2019		X	X							X			X					X
OK311100030160_00	Rexroat Branch!	R	4	3	2019		X	I							I			X					I
OK311100030170_00	Healdton Branch!	R	2	3	2019		X	I							I			X					I
OK311100040010_00	Mud Creek	R	66	5		2005	A	A			I				A			N	I				N
OK311100040020_00	Clear Creek	R	16	3	2019		I	I							X			X	X				I
OK311100040030_00	Mud Creek, North	R	28	3	2019		I	I				I			I			I	I				
OK311100040040_00	Post Oak Creek	R	11	3	2019		X	X							X			X					X
OK311100040050_00	Long Branch	R	9	3	2019		X	X							X			X					X
OK311100040060_00	Fox Branch	R	5	5		2007	A	N							I			X	I				X
OK311100040070_00	Cottonwood Creek	R	7	3	2019		I	I							I			X	I				I
OK311100040080_00	Mud Creek, West, Lower	R	28	5		2007	A	A							X			N					N
OK311100040090_00	Post Oak Creek	R	8	3	2019		X	X							X			X					X
OK311100040100_00	Negro Creek	R	15	2	2019		A	A							A			X	I				A
OK311100040110_00	Willow Branch	R	9	3	2019		I	I							I			X	I				I
OK311100040120_00	Crooked Creek	R	11	3	2019		X	X							X			X	X				X
OK311100040130_00	Deer Creek	R	14	3	2019		I	I							I			X	I				I
OK311100040140_00	Deer Creek, South Fork	R	5	3	2019		X	X							X			X					X
OK311100040160_00	Comanche Creek	R	9	3	2019		X	X							X			X					X
OK311100040170_00	Comanche Lake	L	184	3	2019		X	X							X			X					X
OK311100040180_00	Mud Creek, East	R	14	3	2019		I	I							I			X	I				I
OK311100040190_00	Weed Hollow Creek	R	4	3	2019		X	X							X			X					X
OK311100040200_00	Mud Creek, West	R	14	3	2019		I	I							I			X	I				I
OK311100040210_00	Pine Creek	R	11	3	2019		X	I							I			X					I
OK311200000010_00	Red River	R	37	5		2005	I	N			I				I			A	N				N
OK311200000013_00	Little Rain	R	7	3	2019		X	X							X			X					X
OK311200000030_00	Beaver Creek	R	26	3	2009		I	I							X			X	X				I
OK311200000040_00	Hackberry Creek	R	5	3	2019		X	X							X			X					X

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OK311200000050_00	Squirrel Creek	R	8	3	2019		X	X							X			X					X
OK311200000060_00	Cow Creek	R	26	5		2004	I	N		A	I				I			N					N
OK311200000070_00	Monument Creek	R	6	2	2019		A	A							A			X	A				A
OK311200000080_00	Dry Creek	R	21	5		2007	I	N							X			N	X				N
OK311200000090_00	Cotton Creek	R	8	3	2019		X	X							X			X	X				X
OK311200000100_00	Cow Creek, East	R	12	2	2019		X	X		A		X			X					X			
OK311200000110_00	Clarity Creek	R	5	5		2007	N			A					I			X					I
OK311200000120_00	Willow Creek	R	10	5		2007	N	X							X			X					N
OK311200000140_00	Jap Beaver Lake	L	65	3	2009		X	X							X			X					X
OK311200000150_00	Whiskey Creek	R	20	3	2019		X	X							X			X					X
OK311210000010_00	Beaver Creek	R	57	3	2009		I	I							I			X	I		X		I
OK311210000020_00	Waurika Lake	L	10,100	2	2009		A	I							I			I	I		X		I
OK311210000030_00	Walker Creek	R	13	5		2007	A	N							I			X	A		X		I
OK311210000040_00	Mills Creek	R	6	3	2019		X	X							X			X					X
OK311210000050_00	Little Beaver Creek	R	40	5		2007	I	N							I			X	I		X		I
OK311210000060_00	Stage Stand Creek	R	13	3	2009		I	I							I			X	I		X		I
OK311210000070_00	Rock Creek	R	9	3	2019		X	X							X			X					X
OK311210000080_00	Hell Creek	R	10	3	2009		I	I							I			X	I		X		I
OK311210000090_00	Buckhorn Creek	R	6	3	2019		X	X							X			X					X
OK311210000100_00	Gooden Creek	R	14	3	2019		X	X							X			X					X
OK311210000110_00	Dry Beaver Creek	R	14	3	2019		I	I							I			X	I				I
OK311210000120_00	Armstrong Creek	R	9	3	2019		X	X							X			X					X
OK311210000130_00	Ninemile Beaver Creek	R	20	3	2019		I	I							X			X	X				I
OK311210000140_00	Whisky Creek	R	10	5		2007	A	N							X			N					I
OK311210000143_00	Whisky Creek, West	R	5	3	2019		I	X							X			X					X
OK311210000150_00	Cottonwood Creek	R	7	5		2007	A	N							X			N					N
OK311300010010_00	Cache Creek	R	9	3	2019		X	X							X			X	X				X
OK311300010020_00	Cache Creek, East	R	32	5		2005	I	A			I				A			N	A		X		N
OK311300010030_00	Temple Creek	R	4	3	2019		X	X							X			X					X
OK311300010040_00	Mooney Creek	R	4	3	2019		X	X							X			X	X		X		X

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OK311300010050_00	Temple Lake (Mooney)	L	26	3	2009		X	X							X			X					X
OK311300010060_00	Soldier Creek	R	10	3	2019		X	X							X			X					X
OK311300010070_00	Walters Creek	R	6	3	2019		X	X							X			X	X		X		X
OK311300010080_00	Walters Lake (Boyer)	L	148	5		2006	A	I							I			I	I				N
OK311300020005_00	Sharon Stream	R	2	3	2019		X	X							X			X					X
OK311300020010_00	Cache Creek, East	R	58	3	2019		X	X							X			X	X				X
OK311300020020_00	Snake Creek	R	20	3	2019		I	I							X			X					I
OK311300020030_00	Ninemile Creek	R	13	3	2019		X	X							X			X					X
OK311300020034_00	Ninemile Creek, middle branch	R	3	5		2006	I	N							I			X	I				I
OK311300020040_00	Wolf Creek	R	10	3	2019		X	X							X			X	X				X
OK311300020050_00	Wolf Creek, East Branch	R	8	3	2019		X	X							X			X					X
OK311300020060_00	Wolf Creek, West Branch	R	11	3	2019		X	X							X			X					X
OK311300020070_00	Squah Creek	R	4	3	2019		X	X							X			X					X
OK311300020090_00	Wrattan Creek	R	7	3	2019		X	X							X			X					X
OK311300020100_00	George Lake	L	150	3	2019		X	X							X			X					X
OK311300020110_00	Sitting Bear Creek	R	5	3	2019		X	X							X			X					X
OK311300020120_00	Beef Creek	R	10	3	2019		X	X							X			X					X
OK311300020130_00	Lime Creek	R	8	3	2019		X	X							X			X					X
OK311300020140_00	Rock Creek	R	5	3	2019		X	X							X			X					X
OK311300030010_00	Cache Creek, East	R	38	3	2009		I	I							X			X	X		X		I
OK311300030020_00	Ellsworth Lake	L	5,600	2	2019		A	I							I			I	I		X		I
OK311300030030_00	Chandler Creek	R	12	3	2019		X	X							X			X	X		X		X
OK311300030040_00	Tony Creek	R	8	3	2019		X	X							X			X	X		X		X
OK311300030050_00	Mission Creek	R	13	3	2019		X	X							X			X	X		X		X
OK311300030060_00	Box Elder Creek	R	10	3	2019		I	I							X			X	X		X		I
OK311300030070_00	Tahoe Creek	R	17	5		2007	A	X							X			N	X		X		N
OK311300030080_00	Unnamed Tributary	R	7	3	2019		X	X										X					X
OK311300040010_00	Medicine Creek	R	12	3	2019		X	X							X			X	X				X
OK311300040020_00	Ketch Creek	R	13	3	2019		X	X							X			X					X

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OK311300040030_00	Deer Creek	R	3	3	2019		X	X							X			X					X
OK311300040040_00	Little Medicine Creek	R	6	3	2019		X	X							X			X	X		X		X
OK311300040050_00	Elmer Thomas Lake	L	334	2	2019		A	I							I			I	I				I
OK311300040060_00	Medicine Creek	R	22	3	2009		I	I							X			X	X		X		I
OK311300040070_00	Lawtonka Lake	L	2,398	2	2019		A	I							I			I	I		X		I
OK311300040080_00	Canyon Creek	R	8	3	2019		X	X							X			X	X		X		X
OK311300040090_00	Cedar Creek	R	4	3	2019		X	X							X			X	X		X		X
OK311310010010_00	Red River	R	88	5		2005	I	N		A	I				I			N					N
OK311310010020_00	Rabbit Creek	R	14	3	2019		I	I							X			X	X				I
OK311310010025_00	Hound Creek	R	4	3	2019		X	X							X			X					X
OK311310010030_00	Bird Creek	R	4	3	2019		X	X							X			X					X
OK311310010040_00	Blue Creek	R	16	3	2019		X	X							X			X	X				X
OK311310010050_00	Curtis Creek	R	13	3	2019		I	I							X			X					I
OK311310010060_00	Cooper Creek	R	12	3	2019		X	X							X			X					X
OK311310010070_00	Suttle Creek	R	24	3	2019		I	I							X					X			I
OK311310010080_00	Bottle Creek	R	5	3	2019		X	X							X			X					X
OK311310010080_01	Bottle Creek	R	8	3	2019		X	X							X			X					X
OK311310010100_00	Grandma Ruth Creek	R	11	3	2019		X	X							X			X					X
OK311310020010_00	Cache Creek, West	R	28	5		2005	I	N			I				X			N	I				N
OK311310020020_00	Cache Creek, West	R	30	3	2009		X	X							X			X	X				I
OK311310020030_00	Pecan Creek	R	30	3	2019		X	X							X			X					X
OK311310020040_00	Spring Creek	R	10	3	2019		X	X							X			X					X
OK311310020043_00	Molly's Creek	R	2	3	2019		X	X							X			X					X
OK311310020050_00	Blue Beaver Creek	R	8	3	2019		X	X							X			X	X				X
OK311310020060_00	Blue Beaver Creek	R	21	5		2007	A	A							A			N	X				I
OK311310020070_00	Post Oak Creek	R	25	3	2019		X	X							X			X	X				X
OK311310020080_00	Little Post Oak Creek	R	23	3	2019		X	X							X			X					X
OK311310020090_00	Sandy Creek	R	25	3	2019		X	X							X			X					X
OK311310020100_00	Crater Creek	R	11	3	2019		X	X							X			X	X				X
OK311310020110_00	Rock Creek	R	9	3	2019		X	X							X			X					X

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OK311310020120_00	Quanah Creek	R	7	3	2019		X	X							X			X					X
OK311310020130_00	Quanah Parker Lake	L	89	3	2019		X	X							X			X					X
OK311310020140_00	Cache Creek, West	R	9	3	2019		X	X					X		X			X	X				X
OK311310020150_00	Panther Creek	R	7	3	2019		X	X					X		X			X	X				X
OK311310020160_00	Lost Lake	L	7	3	2019		X	X							X			X					X
OK311310020170_00	French Lake	L	33	3	2019		X	X							X			X					X
OK311310020180_00	Deer Creek	R	5	3	2019		X	X					X		X			X	X				X
OK311310020190_00	Comanche Lake	L	46	3	2009		I	X							X			X					I
OK311310020200_00	Grama Lake	L	94	3	2009		I	X							X			X					X
OK311310020210_00	Kiowa Lake	L	9	3	2019		X	X							X			X					X
OK311310030010_00	Deep Red Creek	R	55	3	2019		I	I							X			X	X				I
OK311310030020_00	Dry Red Creek	R	24	3	2019		I	I							X			X					I
OK311310030030_00	Jack Creek	R	28	3	2019		I	I							X			X	X				I
OK311310030031_00	Whites Creek	R	3	3	2019		X	X							X			X					X
OK311310030032_00	Whites Lake	L	300	3	2019		X	X							X			X					X
OK311310030040_00	Little Deep Fed Creek	R	34	3	2009		I	I							X			X	X				I
OK311310030050_00	Brush Creek	R	12	5		2007	I	N							X			N					N
OK311310030070_00	Jack Creek, East	R	12	3	2019		X	X							X			X	X				X
OK311310030080_00	Horse Creek	R	23	3	2019		X	X							X			X	X				X
OK311310030090_00	Deadman Creek	R	17	3	2019		X	X							X			X	X				X
OK311310030100_00	Coffin Creek	R	11	3	2019		X	X							X			X					X
OK311310030110_00	Deep Red Creek	R	25	3	2019		I	I							X			X	X				I
OK311310030120_00	Frederick Lake	L	925	2	2009		A	I							I			I					I
OK311310030130_00	Deep Red Creek, East Fork	R	10	3	2019		X	X							X			X					X
OK311500010010_00	Red River	R	18	2	2019		X	X		A					X			X					X
OK311500010020_00	Red River, North Fork	R	23	3	2019		X	X			X				X			X	X				X
OK311500010020_10	Red River, North Fork	R	62	5		2005	I	N			I				I			N	N				N
OK311500010023_00	Maxwell's Creek	R	3	3	2019		X	X							X			X					X
OK311500010030_00	White Creek	R	7	3	2019		X	X							X			X					X

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OK311500010040_00	White Lake	L	10	3	2019		X	X							X			X					X
OK311500010042_00	Red Top	R	4	3	2019		X	X							X			X					X
OK311500010050_00	Stinking Creek	R	17	5		2007	A	N							X			N	X				N
OK311500010060_00	Mimi Creek	R	3	3	2019		X	X							X			X					X
OK311500010070_00	Red Hollow	R	2	3	2019		X	X							X			X					X
OK311500010080_00	Otter Creek	R	23	3	2009		I	I							X			X	X				I
OK311500010090_00	Owl Creek	R	8	3	2019		I	I							X			X					I
OK311500010110_00	Tepee Creek	R	20	5		2007	I	N							X			N					N
OK311500020010_00	Otter Creek, East	R	20	3	2019		I	I							X			X					I
OK311500020020_00	Telephone Creek	R	10	3	2019		X	X							X			X					X
OK311500020030_00	Boggy Hollow Creek	R	6	3	2019		X	X							X			X					X
OK311500020040_00	Otter Creek, West	R	8	5		2007	A	A							A			N	X				N
OK311500020050_00	Otter Creek, West	R	17	3	2019		X	X							X			X	X		X		X
OK311500020060_00	Tom Steed Lake (Mountain Park)	L	6,400	2	2009		A	I							I			I	I				I
OK311500020070_00	Glen Creek	R	17	3	2019		I	I							X			X	X		X		I
OK311500030005_00	Wolfpack	R	2	3	2019		X	X							X			X					X
OK311500030010_00	Elk Creek	R	16	5		2005	I	A			I				A			N	I				I
OK311500030030_00	Elk Creek	R	71	3	2009		I	I			I				I			I	I				I
OK311500030040_00	Little Elk Creek	R	16	5		2007	I	X							X			N	X		X		N
OK311500030050_00	Little Elk Creek	R	19	2	2009		I	A							A			X	X		X		I
OK311500030060_00	Hobart Lake (Rocky Hobart)	L	347	2	2009		A	I							I			I	I				I
OK311500030070_00	Trail Creek	R	19	2	2019		A	A							A			X	I				I
OK311500030080_00	Spring Creek	R	9	3	2019		X	X							X			X	X				X
OK311500030090_00	George Creek	R	4	3	2019		X	X							X			X					X
OK311500030100_00	Sadler Creek	R	9	3	2019		I	I							X			X					I
OK311500030110_00	Elk Creek, West	R	11	3	2019		I	I							X			X					I
OK311500030120_00	Elk City Lake	L	240	3	2009		I	I							I			I					I
OK311510010010_00	Red River, North Fork	R	59	5		2005	I	A			I				A			N	I				I
OK311510010020_00	Altus Lake (Altus-Lugert)	L	6,260	2	2009		A	I							I			I	I				I

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OK311510010030_00	Armstrong Creek	R	5	3	2019		X	X							X			X					X
OK311510010040_00	Lake Creek	R	13	3	2009		I	I							X			X					I
OK311510010050_00	Boggy Creek	R	5	3	2019		I	I							X			X					I
OK311510010060_00	Spring Creek	R	10	3	2019		X	X							X			X					X
OK311510010070_00	Flat Creek	R	6	3	2019		X	X							X			X					X
OK311510010080_00	Indian Creek	R	14	3	2019		X	X							X			X					X
OK311510010090_00	Timber Creek	R	12	5		2005	A	N							I			X	I				I
OK311510010100_00	Coffee Bean Creek	R	7	3	2019		X	X							X			X					X
OK311510010110_00	Spring Creek	R	6	3	2019		X	X							X			X	X				X
OK311510010120_00	Timber Creek, East	R	5	3	2019		X	X							X			X					X
OK311510010130_00	Timber Creek, West	R	6	3	2019		X	X							X			X	X				X
OK311510020010_00	Red River, North Fork	R	38	3	2019		I	I							X			X	X				I
OK311510020020_00	Deep Creek	R	8	3	2019		X	X							X			X					X
OK311510020030_00	Short Creek	R	10	3	2019		X	X							X			X					X
OK311510020040_00	Sand Creek	R	13	3	2019		I	X							X			X	I				I
OK311510020050_00	Long Creek	R	17	3	2019		I	I							X			X	X				I
OK311510020060_00	Turkey Creek	R	19	5		2007	A	A							A			N	X				I
OK311510020070_00	Starvation Creek	R	17	3	2019		I	I							X			X	X				I
OK311510020080_00	Little Turkey Creek	R	16	3	2019		X	X							X			X					X
OK311510020090_00	Buffalo Creek	R	20	3	2019		X	X							X			X	X				X
OK311510020100_00	Buffalo Creek, West	R	8	3	2019		X	X							X			X					X
OK311510020110_00	Middle Buffalo Creek	R	11	3	2019		X	X							X			X					X
OK311510020120_00	Sweetwater Creek	R	16	3	2019		I	X							X			X	X				I
OK311510020130_00	Salt Creek	R	5	3	2019		I	I							X			X	X				I
OK311510020140_00	Freezeout Creek	R	5	3	2019		X	X							X			X					X
OK311510020150_00	Meridan Creek	R	9	3	2019		X	X							X			X					X
OK311600010010_00	Red River	R	56	2	2019		X	X		A					X			X					X
OK311600010020_00	Gypsum Creek	R	28	3	2019		I	I							X			X	X				I
OK311600010030_00	Mule Creek	R	6	3	2019		X	X							X			X					X
OK311600010032_00	Mule Creek	R	4	3	2019		X	X							X			X					X

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OK311600010035_00	James Creek	R	6	3	2019		X	X							X			X					X
OK311600010040_00	Sandy Creek (Lebos)	R	40	5		2005	I	N		A		N			I					N			
OK311600010050_00	Sandy Creek, East Fork (Sandy)	R	14	3	2019		X	X							X			X					X
OK311600010060_00	Sandy Creek, West Fork	R	13	3	2019		I	I							X			X					I
OK311600010070_00	Bitter Creek	R	8	3	2019		I	I							X			X					I
OK311600010080_00	Red River, Prairie Dog Town Fork	R	4	2	2019		X	X		A					X			X					X
OK311600010085_00	Paradiagn	R	0	3	2019		X	X							X			X					X
OK311600010090_00	Buck Creek	R	4	3	2019		I	I							X			X					I
OK311600020010_00	Red River, Salt Fork	R	14	5		2005	I	A			I				I			N	N				N
OK311600020010_10	Red River, Salt Fork	R	70	5		2005	I	A			I				I			N	N				N
OK311600020030_00	West Canal	R	1	3	2019		X	X							X			X					X
OK311600020060_00	Turkey Creek	R	52	3	2005		I	I							X			X	X				I
OK311600020070_00	Horse Branch	R	21	3	2019		I	I							X			X					I
OK311600020080_00	Spring Branch	R	7	3	2019		X	X							X			X					X
OK311600020090_00	Cottonwood Creek	R	13	3	2019		X	X							X			X					X
OK311600020110_00	Bitter Creek	R	5	5		2007	A	I		A	N	X			X					N			
OK311600020110_10	Bitter Creek	R	25	3	2019		X	X		X	X	X			X					X			
OK311600020115_00	Ronnie's Run	R	4	3	2019		X	X							X			X					X
OK311600020120_00	Fish Creek	R	5	3	2019		X	X							X			X					X
OK311600020130_00	Mulberry Creek	R	6	3	2019		I	I							X			X					I
OK311600020140_00	Cave Creek	R	14	5		2007	A	A							A			N					I
OK311600020150_00	Horse Creek	R	5	3	2019		X	X							X			X					X
OK311600020160_00	Hall Lake Creek	R	3	3	2019		X	X							X			X					X
OK311600020170_00	Hall Lake	L	50	3	2009		X	X							X			X					X
OK311600020180_00	Bear Creek	R	6	3	2019		I	I							X			X					I
OK311800000010_00	Red River, Elm Fork	R	63	5		2005	I	A			I				A			N	N				I
OK311800000015_00	Tarheel	R	3	3	2019		X	X							X			X					X
OK311800000020_00	Left Ear creek	R	1	3	2019		X	X							X			X					X
OK311800000030_00	Tittle Creek	R	8	3	2019		X	X							X			X					X

A = Attaining I = Insufficient Data N = Not Attaining X = Not Assessed

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OK311800000035_00	Good Golly	R	2	3	2019		X	X							X			X					X
OK311800000040_00	Haystack Creek	R	43	3	2009		I	I							X			X	X				I
OK311800000045_00	Rising Dawn	R	3	3	2019		X	X							X			X					X
OK311800000050_00	Sleep John Creek	R	10	3	2019		X	X							X			X					X
OK311800000060_00	Station Creek	R	11	3	2019		I	I							X			X					I
OK311800000070_00	Deer Creek	R	23	5		2007	I	X							X			N	X				N
OK311800000080_00	Sulphur Creek	R	10	3	2019		X	X							X			X					X
OK311800000090_00	Root Creek	R	6	3	2019		X	X							X			X					X
OK311800000100_00	Dos Hollis Lake	L	50	3	2019		X	X							X			X					X
OK311800000110_00	Grape Creek	R	15	3	2019		X	X							X			X					X
OK311800000120_00	Hackbery Creek	R	2	3	2019		X	X							X			X					X
OK311800000130_00	Fish Creek	R	18	5		2007	A	N							X			N	X				N
OK311800000140_00	Minnow Creek	R	4	3	2019		X	X							X			X					X
OK311800000150_00	Bull Creek	R	14	3	2019		X	X							X			X	X				X
OK311800000160_00	Elm Creek	R	5	3	2019		X	X							X			X					X
OK311800000170_00	Elm Creek, West	R	13	2	2019		A	A							A			I	X				I
OK410100010010_00	Red River	R	13	3	2015		X	X			X				X			X	X				X
OK410100010010_10	Red River	R	23	5		2005	I	N			I				I			A	I				I
OK410100010010_20	Red River	R	14	3	2015		X	X			X				X			X	X				X
OK410100010010_30	Red River	R	14	3	2015		X	X			X				X			X	X				X
OK410100010010_40	Red River	R	10	3	2015		X	X			X				X			X	X				X
OK410100010010_50	Red River	R	7	3	2015		X	X			X				X			X	X				X
OK410100010020_00	Breedlove Lake	L	1	3	2015		X	X							X			X					X
OK410100010030_00	Bailey Cutoff Oxbow Lake	L	1	3	2015		X	X							X			X					X
OK410100010040_00	Caney Lake	L	1	3	2015		X	X							X			X					X
OK410100010050_00	Norwood Creek	R	20	3	2015		I	I							X			X	X				I
OK410100010060_00	Push Creek	R	12	3	2015		X	X							X			X					X
OK410100010070_00	Norwood Creek, Trib	R	3	3	2015		X	X							X			X					X
OK410100010090_00	Clear Lake	L	1	3	2015		X	X							X			X					X
OK410100010100_00	1908 Cutoff Oxbow Lake	L	1	3	2015		X	X							X			X					X

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OK410100010110_00	Whitaker Bend Cutoff Oxbow Lake	L	1	3	2015		X	X							X			X					X
OK410100010120_00	Holly Branch	R	10	3	2015		X	X							X			X					X
OK410100010130_00	Deadman Lake Creek	R	0	3	2015		X	X							X			X					X
OK410100010140_00	Deadman Lake	L	1	3	2015		X	X							X			X					X
OK410100010150_00	Grassy Lake	L	1	3	2015		X	X							X			X					X
OK410100010160_00	Holly Branch Lake	L	1	3	2015		X	X							X			X					X
OK410100010170_00	Forty-One Cutoff Oxbow Lake	L	1	3	2015		X	X							X			X					X
OK410100010180_00	Waterfall Creek	R	13	3	2015		X	X							X			X					X
OK410100010190_00	Mintubbe Lake	L	1	3	2015		X	X							X			X					X
OK410100010210_00	U. T. Waterfall Creek Lake	L	1	3	2015		X	X							X			X					X
OK410100010230_00	Boss Creek	R	10	3	2015		X	X							X			X					X
OK410100010240_00	Charles Lake Creek	R	4	3	2015		X	X							X			X					X
OK410100010250_00	Charles Lake	L	1	3	2015		X	X							X			X					X
OK410100010260_00	Old River Oxbow Lake	L	1	3	2015		X	X							X			X					X
OK410100010270_00	Fish Pond Lake	L	1	3	2015		X	X							X			X					X
OK410100010280_00	Gilford Lake	L	1	3	2015		X	X							X			X					X
OK410100010290_00	Bryarly Lake	L	1	3	2015		X	X							X			X					X
OK410100010300_00	Colbert Lake	L	1	3	2015		X	X							X			X					X
OK410100010310_00	Red Lake	L	1	3	2015		X	X							X			X					X
OK410100010320_00	Horseshoe Lake, South	L	1	3	2015		X	X							X			X					X
OK410100010330_00	Horseshoe Lake, North	L	1	3	2015		X	X							X			X					X
OK410100010340_00	Waterhole Creek	R	17	3	2015		X	X							X			X	X				X
OK410100010360_00	Lick-Skillet Lake	L	1	3	2015		X	X							X			X					X
OK410100010370_00	Bad Branch	R	3	3	2015		X	X							X			X					X
OK410100010380_00	Perry Creek	R	10	3	2015		X	X							X			X					X
OK410100010390_00	Bokchito Creek	R	7	3	2015		X	X							X			X					X
OK410100010400_00	Whitegrass Creek	R	9	3	2015		X	X							X			X					X
OK410100010420_00	Garvin Creek	R	6	3	2015		X	X							X			X					X

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OK410100010440_00	Clear Lake	I	1	3	2015		X	X							X			X					X
OK410100010450_00	Buzzard Creek	R	12	4a	2010		X	X							X			X					X
OK410100010456_00	Millerton Trib!	R	2	4a	2010		X	X							X			X					N
OK410100010460_00	Garland Creek	R	6	4a	2010		X	X							X			X					X
OK410100010470_00	Valiant Creek	R	2	3	2015		X	X				X			X					X			
OK410100010480_00	Clear Creek	R	3	3	2015		X	X							X			X					X
OK410100010490_00	Clear Creek	R	9	3	2015		I	I							X			X					I
OK410100010500_00	Doaksville Creek	R	8	3	2015		X	X							X			X					X
OK410100020010_00	Walnut Bayou	R	4	3	2015		X	X							X			X					X
OK410100020020_00	Line Creek	R	3	3	2015		X	X							X			X					X
OK410100020030_00	McKinney Creek	R	10	3	2015		X	X							X			X					X
OK410100020040_00	Sandy Creek	R	2	3	2015		X	X							X			X					X
OK410100020050_00	Yellow Branch	R	4	3	2015		X	X							X			X					X
OK410100020060_00	Surratt Branch	R	5	3	2015		X	X							X			X					X
OK410100020070_00	Parker Creek	R	7	3	2015		X	X							X			X					X
OK410100020080_00	Pine Creek	R	6	3	2015		X	X							X			X					X
OK410200010010_00	Little River	R	21	3	2010		X	X	X				X					X	X				
OK410200010020_00	Buck Creek	R	13	3	2015		X	X							X			X					X
OK410200010030_00	Camp Creek	R	1	3	2015		X	X							X			X					X
OK410200010050_00	Red Branch	R	3	3	2015		X	X							X			X					X
OK410200010060_00	Ponka Bok Creek	R	7	3	2015		X	X							X			X					X
OK410200010080_00	Black Creek	R	5	3	2015		X	X							X			X					X
OK410200010090_00	Crooked Creek	R	3	3	2015		X	X							X			X					X
OK410200010100_00	Forked Lake	L	1	3	2015		X	X							X			X					X
OK410200010120_00	Goodwater Creek	R	8	3	2015		X	X							X			X					X
OK410200010130_00	Terrapin Creek	R	7	3	2015		X	X							X			X					X
OK410200010140_00	Crooked Creek	R	9	3	2015		X	X							X			X					X
OK410200010150_00	Yanubbe Creek	R	11	4a	2010		I	I	I						X			X	X				
OK410200010160_00	Coon Creek	R	6	3	2015		X	X							X			X					X

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OK410200010170_00	Yanubbee Creek, West Fork	R	2	3	2015		X	X	X						X			X	X				
OK410200010180_00	Yanubbee Creek, East Fork	R	2	3	2015		X	X							X			X					X
OK410200010190_00	Yanubbee Creek, Middle Fork	R	2	3	2015		X	X							X			X					X
OK410200010200_00	Little River	R	32	2		2005	I	A	N		I		X					A	I				
OK410200010210_00	Mud Creek	R	18	2	2010		I	I		A					X					X			I
OK410200010220_00	Rock Creek	R	5	3	2015		X	X							X			X					X
OK410200010230_00	Yashoo Creek	R	20	3	2015		I	I	I						X			X	X				
OK410200010250_00	Long Branch	R	2	3	2015		I	I							I			X	I				X
OK410200010260_00	Holly Creek	R	10	3	2015		X	X							X			X					X
OK410200010280_00	Salt Creek	R	4	3	2015		X	X							X			X					X
OK410200010300_00	Pine Lake	L	1	3	2015		X	X							X			X					X
OK410200010320_00	Campbell Creek	R	6	3	2015		X	X							X			X					X
OK410200010330_00	Boktuklo Creek	R	9	3	2015		X	X							X			X					X
OK410200010340_00	Courthouse Creek	R	7	3	2015		X	X							X			X					X
OK410200020010_00	Caney Creek, North	R	9	3	2015		X	X							X			X					X
OK410200020020_00	White Oak Creek	R	6	3	2015		X	X							X			X					X
OK410200020030_00	Caney Creek, South	R	6	3	2015		X	X							X			X					X
OK410200020040_00	Caney Creek, Middle	R	4	3	2015		X	X							X			X					X
OK410200030010_00	Rock Creek	R	14	3	2015		X	X	X						X			X	X				
OK410200030020_00	Cane Creek	R	5	3	2015		X	X							X			X					X
OK410200030030_00	Twomile Creek	R	4	3	2015		X	X							X			X					X
OK410200030040_00	Slate Creek	R	3	3	2015		X	X							X			X					X
OK410200030050_00	Prairie Branch	R	2	3	2015		X	X							X			X					X
OK410200030060_00	Pero Creek	R	7	3	2015		X	X							X			X					X
OK410200030070_00	Little Rock Creek	R	4	3	2015		X	X							X			X					X
OK410200030080_00	Rock Creek, Middle	R	4	3	2015		X	X							X			X					X
OK410200030090_00	Rock Creek, West Fork	R	3	3	2015		X	X							X			X					X
OK410200030100_00	Robinson Creek	R	9	3	2015		X	X							X			X					X

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OK410200030110_00	Ash Creek	R	5	3	2015		X	X							X			X					X
OK410200030120_00	Bull Creek	R	3	3	2015		X	X							X			X					X
OK410200030130_00	Cedar Branch	R	1	3	2015		X	X							X			X					X
OK410200030140_00	Rough Creek	R	6	3	2015		X	X							X			X					X
OK410200030150_00	Kings Branch	R	2	3	2015		X	X										X					X
OK410210010010_00	Little River	R	14	3	2015		X	X	X				X		X			X	X				
OK410210010030_00	Sand Creek	R	4	3	2015		X	X							X			X					X
OK410210010040_00	Wheelock Creek	R	3	3	2015		X	X							X			X					X
OK410210010050_00	Martin Creek	R	4	3	2015		X	X							X			X					X
OK410210010060_00	Horse Head Creek	R	9	3	2010		I	I							X			X	X				I
OK410210010070_00	Cypress Creek	R	21	3	2015		I	I	I				X		X			X	X				
OK410210010080_00	Rock Creek	R	6	3	2015		X	X							X			X					X
OK410210010090_00	Wolf Creek	R	4	3	2015		X	X							X			X					X
OK410210010100_00	Cypress Creek, North Fork	R	5	3	2015		X	X	X				X		X			X	X				
OK410210010110_00	White Oak Creek	R	6	3	2015		I	I							X			X					I
OK410210010120_00	Sand Springs Branch	R	5	3	2015		X	X							X			X					X
OK410210010130_00	Little White Oak Creek	R	3	3	2015		X	X							X			X					X
OK410210010140_00	Stevens Creek	R	5	3	2015		X	X							X			X					X
OK410210020010_00	Little River	R	13	3	2004		I	X	X				X					X	X				
OK410210020020_00	Pine Creek Lake	L	3,750	5		2006	A	I					X	A				I	I				N
OK410210020030_00	Pine Creek	R	11	3	2015		X	X	X				X					X	X				
OK410210020040_00	Big Branch	R	4	3	2015		X	X							X			X					X
OK410210020050_00	Rock Creek	R	6	3	2015		X	X							X			X					X
OK410210020070_00	Long Creek	R	7	3	2015		X	X							X			X					X
OK410210020080_00	Wilson Creek	R	7	3	2015		X	X							X			X					X
OK410210020090_00	Long Creek, North	R	3	3	2015		X	X							X			X					X
OK410210020100_00	Long Creek, South	R	3	3	2015		X	X							X			X					X
OK410210020110_00	Turkey Creek	R	13	3	2015		X	X							X			X					X
OK410210020120_00	Turkey Creek, North	R	5	3	2015		X	X							X			X					X

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OK410210020130_00	Little Turkey Creek	R	5	3	2015		X	X							X			X					X
OK410210020140_00	Little River	R	29	5		2005	I	A	N		I		X	A				N	A				
OK410210020150_00	Terrapin Creek	R	13	3	2015		I	I	I									X	X				
OK410210020160_00	Deer Creek	R	5	3	2015		X	X							X			X					X
OK410210020170_00	Terrapin Creek, West	R	12	3	2015		X	X							X			X					X
OK410210020180_00	Terrapin Creek, Middle	R	6	3	2015		X	X							X			X					X
OK410210020190_00	Terrapin Creek, East	R	6	3	2015		X	X							X			X					X
OK410210020200_00	Salt Creek	R	5	3	2015		X	X							X			X					X
OK410210020210_00	Houston Creek	R	5	3	2015		X	X							X			X					X
OK410210020220_00	Rain Creek	R	4	3	2015		X	X							X			X					X
OK410210020230_00	Can Creek	R	4	3	2015		X	X							X			X					X
OK410210020240_00	Caney Creek	R	11	3	2015		I	I							X			X					I
OK410210020250_00	Rock Pen Creek	R	5	3	2015		X	X							X			X					X
OK410210020260_00	Holly Creek	R	8	3	2015		I	I							X			X					I
OK410210020270_00	Holly Creek, South	R	6	3	2015		X	X							X			X					X
OK410210020280_00	Devil's Backbone Creek	R	4	3	2015		X	X							X			X					X
OK410210020290_00	Holly Creek, North	R	7	3	2015		X	X							X			X					X
OK410210020300_00	Cloudy Creek	R	26	3	2015		X	X	X				X					X	X				
OK410210020310_00	Big Branch	R	2	3	2015		X	X							X			X					X
OK410210020320_00	Brushy Creek	R	9	3	2015		X	X							X			X					X
OK410210020330_00	Bullpen Creek	R	3	3	2015		X	X							X			X					X
OK410210020340_00	Brushy Creek, North	R	5	3	2015		X	X							X			X					X
OK410210020350_00	Dog Creek	R	4	3	2015		X	X							X			X					X
OK410210020360_00	Harris Creek	R	3	3	2015		X	X							X			X					X
OK410210020370_00	Bear Canyon Creek	R	4	3	2015		X	X							X			X					X
OK410210020380_00	Pickens Creek	R	11	3	2015		I	I							X			X					I
OK410210020390_00	Buzzard Creek	R	4	3	2015		X	X							X			X					X
OK410210020400_00	Pickens Creek, North	R	5	3	2015		X	X							X			X					X
OK410210020410_00	Harris Creek	R	5	3	2015		X	X							X			X					X
OK410210020420_00	Harris Creek, North	R	4	3	2015		X	X							X			X					X

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OK410210020430_00	Jack Creek	R	8	3	2015		X	X	X				X					X	X				
OK410210020450_00	Watson Creek	R	6	3	2015		I	I							X			X					I
OK410210020460_00	Watson Creek, North	R	5	3	2015		X	X							X			X					X
OK410210020470_00	Watson Creek, South	R	4	3	2015		X	X							X			X					X
OK410210030010_00	Little River	R	41	2	2015		X	X	X				X	A				X	X				
OK410210030020_00	Little River, Black Fork	R	31	3	2015		X	X	X				X					X	X				
OK410210030030_00	Cripple Creek	R	11	3	2015		X	X							X			X					X
OK410210030040_00	Buzzard Creek	R	6	3	2015		X	X							X			X					X
OK410210030050_00	Hardy Creek	R	4	3	2015		X	X							X			X					X
OK410210030060_00	Long Creek	R	8	3	2015		X	X							X			X					X
OK410210030070_00	Garland Creek	R	7	3	2015		X	X							X			X					X
OK410210030080_00	Davis Branch	R	5	3	2015		X	X							X			X					X
OK410210030090_00	Paley Creek	R	5	3	2015		X	X							X			X					X
OK410210030100_00	Le Flore Creek	R	4	3	2015		X	X							X			X					X
OK410210030110_00	Polecat Creek	R	2	3	2015		X	X							X			X					X
OK410210030120_00	Wildhorse Creek	R	8	3	2015		X	X							X			X					X
OK410210030130_00	Uphill Creek	R	5	3	2015		X	X							X			X					X
OK410210030140_00	Cedar Creek	R	3	3	2015		X	X							X			X					X
OK410210030150_00	Honobia Creek	R	22	3	2015		I	I							X			X					I
OK410210030160_00	Crane Hollow Creek	R	4	3	2015		X	X							X			X					X
OK410210030170_00	Dutchman Ridge Creek	R	3	3	2015		X	X							X			X					X
OK410210030180_00	Deadman Hollow Creek	R	5	3	2015		X	X							X			X					X
OK410210030190_00	Brushy Creek	R	5	3	2015		X	X							X			X					X
OK410210030200_00	Holly Creek	R	4	3	2015		X	X							X			X					X
OK410210030220_00	Cowhead Divide Creek	R	3	3	2015		X	X							X			X					X
OK410210030230_00	Little Rock Creek	R	7	3	2015		X	X							X			X					X
OK410210030240_00	Fisher Branch	R	3	3	2015		X	X							X			X					X
OK410210030260_00	Cedar Creek	R	3	3	2015		X	X							X			X					X
OK410210030270_00	Rock Creek	R	5	3	2015		X	X							X			X					X
OK410210040010_00	Little River, Mountain Fork	R	10	5		2005	I	A			I		X					N	A			N	

OKWBID	NAME	TYPE	SIZE (Lake Acres or Stream Miles)	CATEGORY	Monitoring Date	TMDL Date	Aesthetics	Agriculture	Cool Water Aquatic Community	Emergency Water Supply	Fish Consumption	Habitat Limited Aquatic Community	High Quality Water	Hydropower Generation	Industry	Navigation	Outstanding Resource	Primary Contact (Recreation)	Public/Private Water Supply	Secondary Contact (Recreation)	Sensitive Water Supply	Trout Fishery	Warm Water Aquatic Community
OK410210040020_00	Luksuklo Creek	R	15	3	2015		X	X							X			X					X
OK410210040030_00	Lick Creek	R	9	3	2015		X	X							X			X					X
OK410210040040_00	Lick Creek Branch	R	2	3	2015		X	X							X			X					X
OK410210040050_00	Little River, Mountain Fork	R	9	3	2015		X	X					X					X	X			X	
OK410210040060_00	Cooper Creek	R	6	3	2015		X	X							X			X					X
OK410210040070_00	Rough Branch	R	2	3	2015		X	X							X			X					X
OK410210040080_00	Horsepen Creek	R	2	3	2015		X	X							X			X					X
OK410210040090_00	Slate Branch	R	3	3	2015		X	X							X			X					X
OK410210040100_00	Carnasaw Creek	R	1	3	2015		X	X							X			X					X
OK410210040110_00	Beaver Creek	R	2	3	2015		X	X							X			X					X
OK410210040120_00	Bee Branch	R	2	3	2015		X	X							X			X					X
OK410210050010_00	Little River, Mountain Fork	R	23	3	2004		X	X					X					X	X			X	
OK410210050020_00	Broken Bow Lake	L	14,200	5		2005	A	I						A				I	I		X		N
OK410210050040_00	Biggam Creek	R	5	3	2015		X	X							X			X					X
OK410210050060_00	Walford Creek	R	4	3	2015		X	X							X			X					X
OK410210050090_00	Cedar Creek	R	6	3	2015		X	X							X			X					X
OK410210050100_00	Lower Cedar Creek	R	3	3	2015		X	X							X			X					X
OK410210050110_00	Cedar Creek, North	R	2	3	2015		X	X							X			X					X
OK410210050120_00	Fivemile Hollow Creek	R	5	3	2015		X	X							X			X					X
OK410210050130_00	Nancy Branch	R	5	3	2015		X	X	X									X	X		X		
OK410210050140_00	Egypt Creek	R	4	3	2015		X	X	X									X	X		X		
OK410210050170_00	Bee Creek	R	6	3	2015		X	X							X			X					X
OK410210050180_00	Bee Creek, North	R	4	3	2015		X	X							X			X					X
OK410210050190_00	Otter Creek	R	11	3	2015		X	X	X									X	X		X		
OK410210050200_00	Otter Creek, East	R	3	3	2015		X	X							X			X					X
OK410210050210_00	Bear Creek	R	4	3	2015		X	X							X			X					X
OK410210050220_00	Cane Creek	R	5	3	2015		X	X							X			X					X
OK410210050230_00	Holly Creek	R	1	3	2015		X	X							X			X					X
OK410210050240_00	Holly Creek, North	R	6	3	2015		X	X							X			X					X
OK410210050250_00	Holly Creek, South	R	5	3	2015		X	X							X			X					X

OKWBID	NAME	TYPE	SIZE (Lake Acres or Stream Miles)	CATEGORY	Monitoring Date	TMDL Date	Aesthetics	Agriculture	Cool Water Aquatic Community	Emergency Water Supply	Fish Consumption	Habitat Limited Aquatic Community	High Quality Water	Hydropower Generation	Industry	Navigation	Outstanding Resource	Primary Contact (Recreation)	Public/Private Water Supply	Secondary Contact (Recreation)	Sensitive Water Supply	Trout Fishery	Warm Water Aquatic Community
OK410210050260_00	Linson Creek	R	1	3	2015		X	X							X			X					X
OK410210050270_00	Linson Creek, North	R	8	3	2015		X	X							X			X					X
OK410210050280_00	Linson Creek, South	R	6	3	2015		X	X							X			X					X
OK410210050290_00	Gar Creek	R	4	3	2015		X	X							X			X					X
OK410210050300_00	Panther Branch	R	5	3	2015		X	X							X			X					X
OK410210050310_00	Chee Creek	R	2	3	2015		X	X							X			X					X
OK410210050320_00	Turkey Creek	R	7	3	2015		X	X							X			X					X
OK410210050330_00	Hee Creek	R	3	3	2015		X	X							X			X					X
OK410210050340_00	Buck Creek	R	4	3	2015		X	X							X			X					X
OK410210050350_00	Hudson Creek	R	2	3	2015		X	X							X			X					X
OK410210050360_00	Panther Creek	R	5	3	2015		X	X	X								X	X	X				
OK410210060010_00	Little River, Mountain Fork	R	29	5		2004	A	A	N		I						X	A	A				
OK410210060020_00	Buffalo Creek	R	23	2	2015		A	A	I									X	X		X		
OK410210060030_00	Big Hudson Creek	R	6	3	2015		I	I							X			X					I
OK410210060040_00	Little Hudson Creek	R	3	3	2015		X	X							X			X					X
OK410210060050_00	Little Dry Creek	R	7	3	2015		X	X							X			X					X
OK410210060060_00	Mine Creek	R	3	3	2015		I	I							X			X					I
OK410210060080_00	Rock Creek	R	4	3	2015		X	X							X			X					X
OK410210060100_00	Boktuklo Creek	R	15	3	2015		X	X	X								X	X	X				
OK410210060110_00	Blue Creek	R	3	3	2015		X	X	X								X	X	X				
OK410210060120_00	Boktuklo Creek, East	R	10	3	2015		I	I							X			X					I
OK410210060130_00	Ward Creek	R	2	3	2015		X	X							X			X					X
OK410210060140_00	Ramos Creek	R	4	3	2015		X	X							X			X					X
OK410210060150_00	Roosevelt Creek	R	7	3	2015		X	X							X			X					X
OK410210060160_00	Big Eagle Creek	R	21	3	2004		I	I	I								X	X	X				
OK410210060170_00	Little Eagle Creek	R	10	3	2015		I	I	I								X	X	X				
OK410210060190_00	Potts Creek	R	5	3	2015		X	X							X			X					X
OK410210060210_00	Cucumber Creek	R	11	2		2008	I	I	A								X	X	X				
OK410210060220_00	Saddle Rock Creek	R	5	3	2015		X	X							X			X					X
OK410210060240_00	Rock Creek	R	10	3	2015		I	I							X			X					I

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OK410210060250_00	Hurricane Creek	R	10	3	2015		X	X							X			X					X
OK410210060270_00	Dry Creek	R	10	3	2015		I	I							X			X					I
OK410210060280_00	Mudlick Creek	R	3	3	2015		X	X							X			X					X
OK410210060290_00	Panther Creek	R	2	3	2015		X	X							X			X					X
OK410210060310_00	Sixmile Creek	R	4	3	2015		I	I							X			X					I
OK410210060320_00	Beech Creek	R	13	3	2015		I	I	I								X	X	X				
OK410210060330_00	Turkey Snout Creek	R	3	3	2015		X	X	X								X	X	X				
OK410210060340_00	Caney Creek	R	3	3	2015		X	X							X			X					X
OK410210060350_00	Cow Creek	R	10	3	2015		X	X	X								X	X	X				
OK410210060360_00	Murry Creek	R	4	3	2015		X	X										X					X
OK410210060370_00	Little Cow Creek	R	5	3	2015		X	X	X						X		X	X	X				
OK410210060380_00	Little River, Mountain Fork	R	4	3	2015		X	X	X								X	X	X				
OK410210060390_00	Mackey Creek	R	1	3	2015		X	X							X			X					X
OK410210060400_00	Horsepen Creek	R	4	3	2015		X	X							X			X					X
OK410210060410_00	Dark Hollow Creek	R	2	3	2015		X	X							X			X					X
OK410210060420_00	Richmond Creek	R	2	3	2015		X	X							X			X					X
OK410210060430_00	Brushy Creek	R	2	3	2015		X	X							X			X					X
OK410210060440_00	Wilcox Branch	R	1	3	2015		X	X	X								X	X	X				
OK410210070010_00	Lukfata Creek	R	18	3	2004		I	I	I				X					X	X				
OK410210070020_00	Stephens Branch	R	5	3	2015		X	X							X			X					X
OK410210070030_00	Briar Branch	R	3	3	2015		X	X							X			X					X
OK410210070040_00	Lufkata Creek, West Fork	R	4	3	2015		X	X							X			X					X
OK410210070050_00	Lufkata Creek, East Fork	R	3	3	2015		X	X							X			X					X
OK410210070060_00	Lufkata Creek, Middle Fork	R	3	3	2015		X	X							X			X					X
OK410210080010_00	Glover River	R	34	5		2005	I	A	N		I		X					N	A				
OK410210080020_00	Mitchell Creek	R	4	3	2015		X	X							X			X					X
OK410210080030_00	Harkin Franklin Creek	R	3	3	2015		X	X							X			X					X
OK410210080040_00	Benningfield Creek	R	4	3	2015		X	X							X			X					X
OK410210080050_00	Fifteen Creek	R	3	3	2015		X	X							X			X					X

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OK410210080060_00	Gibbs Creek	R	4	3	2015		X	X							X			X					X
OK410210080070_00	Colbert Creek	R	5	3	2015		X	X							X			X					X
OK410210080080_00	Lost Springs Creek	R	4	3	2015		X	X							X			X					X
OK410210080090_00	Tidwell Creek	R	4	3	2015		X	X							X			X					X
OK410210080100_00	Caney Creek	R	2	3	2015		X	X							X			X					X
OK410210080110_00	Lebow Hollow Creek	R	2	3	2015		X	X							X			X					X
OK410210080120_00	Cedar Creek	R	11	3	2015		I	I	I				X					X	X				
OK410210080130_00	Cedar Creek, North	R	3	3	2015		X	X							X			X					X
OK410210080140_00	Cedar Creek, South	R	4	3	2015		X	X							X			X					X
OK410210080150_00	Brigham Young Springs Creek	R	2	3	2015		X	X							X			X					X
OK410210080160_00	Shell Rock Creek	R	5	3	2015		X	X							X			X					X
OK410210080170_00	Wolf Hollow Creek	R	3	3	2015		X	X							X			X					X
OK410210080180_00	Whiskey Branch	R	2	3	2015		X	X							X			X					X
OK410210080190_00	Shorty Cox Hollow Creek	R	2	3	2015		X	X							X			X					X
OK410210080200_00	Burks Hollow Creek	R	2	3	2015		X	X							X			X					X
OK410210080210_00	Carter Creek	R	11	3	2015		X	X	X				X					X	X				
OK410210080220_00	Carter Creek, North	R	8	3	2015		X	X							X			X					X
OK410210080230_00	Carter Creek, Middle	R	6	3	2015		X	X							X			X					X
OK410210080240_00	Mud Creek	R	2	3	2015		X	X							X			X					X
OK410210080250_00	Carter Creek, South	R	2	3	2015		X	X							X			X					X
OK410210080260_00	Beeman Creek	R	4	3	2015		X	X							X			X					X
OK410210080270_00	Pine Creek	R	6	3	2015		X	X	X				X					X	X				
OK410210080280_00	Canyon Creek	R	6	3	2015		X	X							X			X					X
OK410210080290_00	Little Pine Creek	R	7	3	2015		X	X	X				X					X	X				
OK410210090010_00	Glover River, East Fork	R	22	3	2015		I	I	I				X					X	X				
OK410210090020_00	Willis Creek	R	7	3	2015		X	X							X			X					X
OK410210090030_00	Coon Creek	R	12	3	2015		X	X							X			X					X
OK410210090050_00	Carpenter Branch	R	5	3	2015		X	X							X			X					X
OK410210090070_00	Glover River, West Fork	R	21	2	2015		A	A	I				X		A			X	X				

OKWBID	NAME	TYPE	SIZE (Lake Acres or Stream Miles)	CATEGORY	Monitoring Date	TMDL Date	Aesthetics	Agriculture	Cool Water Aquatic Community	Emergency Water Supply	Fish Consumption	Habitat Limited Aquatic Community	High Quality Water	Hydropower Generation	Industry	Navigation	Outstanding Resource	Primary Contact (Recreation)	Public/Private Water Supply	Secondary Contact (Recreation)	Sensitive Water Supply	Trout Fishery	Warm Water Aquatic Community
OK410210090080_00	Rocky Creek	R	6	3	2015		X	X							X			X					X
OK410210090090_00	Winship Branch	R	4	3	2015		X	X							X			X					X
OK410210090100_00	Silver Creek	R	12	3	2015		I	I							X			X					I
OK410210090110_00	Little Silver Creek	R	9	3	2015		X	X							X			X					X
OK410210090120_00	Little Silver Creek, West	R	6	3	2015		X	X							X			X					X
OK410210090130_00	Little Silver Creek, East	R	3	3	2015		X	X							X			X					X
OK410210090140_00	Edwards Creek	R	3	3	2015		X	X							X			X					X
OK410210090150_00	Watson Branch	R	2	3	2015		X	X							X			X					X
OK410210090160_00	Bluff Creek	R	4	3	2015		X	X	X				X					X	X				
OK410210090170_00	Blackwell Branch	R	3	3	2015		X	X							X			X					X
OK410210090180_00	East Creek	R	7	3	2015		I	I							X			X					I
OK410210090190_00	Dog Creek	R	4	3	2015		X	X							X			X					X
OK410300010010_00	Kiamichi River	R	17	3	2005		I	X							X			X	X				I
OK410300010020_00	Gates Creek	R	5	3	2005		X	X	X						X			X	X				
OK410300010030_00	Gates Creek	R	15	3	2005		X	X	X						X			X	X				
OK410300010040_00	Raymond Gary Lake	L	263	5		2005	A	I							I			I					N
OK410300010050_00	Cedar Creek	R	3	3	2015		X	X							X			X					X
OK410300010060_00	Negro Creek	R	3	3	2015		X	X				X			X					X			
OK410300010070_00	Cold Springs Branch	R	4	3	2015		X	X							X			X					X
OK410300010080_00	Bull Creek	R	7	3	2015		X	X							X			X					X
OK410300010090_00	Tuttle Creek	R	5	3	2015		X	X							X			X					X
OK410300010100_00	Bird Creek	R	8	3	2015		X	X							X			X	X				X
OK410300010110_00	Sandy Branch	R	3	3	2015		X	X							X			X					X
OK410300010120_00	Rock Creek	R	5	3	2015		X	X							X			X					X
OK410300010130_00	Rock Creek	R	5	3	2015		X	X							X			X					X
OK410300020010_00	Kiamichi River	R	29	3	2005		I	I							X			X	X				I
OK410300020020_00	Hugo Lake	L	13,250	5		2005	A	I							I			I	I				N
OK410300020030_00	Cedar Creek	R	8	3	2015		X	X							X			X					X
OK410300020040_00	Salt Creek	R	4	3	2015		X	X							X			X					X
OK410300020050_00	Wire Branch	R	6	3	2015		X	X							X			X					X

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OK410300020060_00	Kiamichi River, North Fork	R	15	3	2015		I	I							X			X	X				I
OK410300020070_00	Miller Creek	R	4	3	2015		X	X							X			X					X
OK410300020080_00	Long Creek	R	6	3	2015		X	X							X			X	X				X
OK410300020090_00	Holly Creek	R	2	3	2015		X	X							X			X					X
OK410300020100_00	Holly Creek, North Fork	R	4	3	2015		X	X							X			X					X
OK410300020110_00	Holly Creek, South Fork	R	3	3	2015		X	X							X			X					X
OK410300020120_00	Schooler Lake	L	1	3	2015		X	X							X			X					X
OK410300020130_00	Frazier Creek	R	17	3	2015		X	X	X						X			X	X				
OK410300020140_00	Spencer Creek	R	12	3	2015		X	X							X			X					X
OK410300020150_00	Hampton Creek	R	3	3	2015		X	X							X			X					X
OK410300020160_00	Hog Creek	R	6	3	2015		X	X							X			X					X
OK410300020170_00	Crooked Creek	R	5	3	2015		X	X							X			X					X
OK410300020180_00	South Branch	R	5	3	2015		X	X							X			X					X
OK410300020190_00	Rock Creek	R	17	3	2015		X	X	X						X			X	X				
OK410300020200_00	Possum Creek	R	6	3	2015		X	X							X			X					X
OK410300020210_00	Fish Creek	R	6	3	2015		X	X							X			X					X
OK410300020220_00	Ozzie Cobb Lake	L	116	5		2005	I	I							I			I					N
OK410300020230_00	One Creek	R	11	3	2015		X	X							X			X					X
OK410300020240_00	Holly Branch	R	3	3	2015		X	X							X			X					X
OK410300020250_00	Negro Creek	R	6	3	2015		X	X							X			X					X
OK410300020260_00	Hagerman Creek	R	3	3	2015		X	X							X			X					X
OK410300020270_00	Mill Creek	R	6	3	2015		X	X							X			X					X
OK410300020280_00	Big Waterhole Creek	R	8	3	2015		X	X							X			X					X
OK410300020300_00	Little Waterhole Creek	R	3	3	2015		X	X							X			X					X
OK410300020310_00	Duck Creek	R	6	3	2015		X	X							X			X					X
OK410300030010_00	Kiamichi River	R	3	3	2015		X	X			X				X			X	X				X
OK410300030010_10	Kiamichi River	R	3	3	2015		X	X			X				X			X	X				X
OK410300030010_20	Kiamichi River	R	10	5		2005	I	A			I				A			N	A				N
OK410300030010_30	Kiamichi River	R	10	3	2015		X	X			X				X			X	X				X
OK410300030020_00	Cedar Creek	R	31	3	2015		X	X	X				X					X	X				

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OK410300030030_00	Briar Branch	R	2	3	2015		X	X							X			X					X
OK410300030040_00	Bitter Creek	R	7	3	2015		X	X							X			X					X
OK410300030050_00	Chickasaw Creek	R	6	3	2015		X	X							X			X					X
OK410300030060_00	One Creek	R	20	3	2015		X	X							X			X					X
OK410300030070_00	Medicine Springs Creek	R	3	3	2015		X	X							X			X					X
OK410300030080_00	One Creek, North	R	9	3	2015		X	X							X			X					X
OK410300030090_00	One Creek, Middle	R	8	3	2015		X	X							X			X					X
OK410300030100_00	Dog Creek	R	5	3	2015		X	X							X			X					X
OK410300030110_00	West Fork Creek	R	12	3	2015		X	X							X			X					X
OK410300030120_00	Turkey Creek	R	5	3	2015		X	X							X			X					X
OK410300030130_00	Stovepipe Creek	R	3	3	2015		X	X							X			X					X
OK410300030140_00	Possum Creek	R	5	3	2015		X	X							X			X					X
OK410300030150_00	Snow Creek	R	3	3	2015		X	X							X			X					X
OK410300030160_00	Caney Creek	R	14	3	2015		X	X							X			X					X
OK410300030170_00	Cedar Creek, North	R	5	3	2015		X	X							X			X					X
OK410300030180_00	Little Cedar Creek	R	9	3	2015		X	X							X			X					X
OK410300030190_00	Little Cedar Creek Lake	L	1	3	2015		X	X							X			X					X
OK410300030200_00	Beaver Creek	R	12	3	2015		X	X							X			X	X				X
OK410300030210_00	Dumpling Creek	R	14	5		2008	A	A							A			N					N
OK410300030220_00	Charlie Creek	R	4	3	2015		X	X							X			X					X
OK410300030230_00	Coffee Creek	R	4	3	2015		X	X							X			X					X
OK410300030240_00	Judge Cox Branch	R	4	3	2015		X	X							X			X					X
OK410300030250_00	Panther Creek	R	5	3	2015		X	X							X			X					X
OK410300030260_00	Caroline Creek	R	3	3	2015		X	X							X			X					X
OK410300030270_00	Tenmile Creek	R	36	5		2008	A	A							X			N	X				N
OK410300030280_00	Rock Creek	R	4	3	2015		X	X							X			X					X
OK410300030290_00	Stink Branch	R	2	3	2015		X	X							X			X					X
OK410300030300_00	Cole Creek	R	6	3	2015		X	X							X			X					X
OK410300030310_00	Hampton Creek	R	6	3	2015		X	X							X			X					X
OK410300030320_00	Davenport Creek	R	8	3	2015		X	X							X			X					X

OKWBID	NAME	TYPE	SIZE (Lake Acres or Stream Miles)	CATEGORY	Monitoring Date	TMDL Date	Aesthetics	Agriculture	Cool Water Aquatic Community	Emergency Water Supply	Fish Consumption	Habitat Limited Aquatic Community	High Quality Water	Hydropower Generation	Industry	Navigation	Outstanding Resource	Primary Contact (Recreation)	Public/Private Water Supply	Secondary Contact (Recreation)	Sensitive Water Supply	Trout Fishery	Warm Water Aquatic Community
OK410300030330_00	Little Davenport Creek	R	4	3	2015		X	X							X			X					X
OK410300030340_00	Yerby Branch	R	2	3	2015		X	X							X			X					X
OK410300030350_00	Rough Hollow Creek	R	2	3	2015		X	X							X			X					X
OK410300030360_00	Pine Creek	R	4	3	2015		X	X							X			X					X
OK410300030370_00	Clear Creek	R	13	3	2015		X	X							X			X					X
OK410300030380_00	Little Tenmile Creek	R	6	3	2015		X	X							X			X					X
OK410300030400_00	Cobb Lake	L	1	3	2015		X	X							X			X					X
OK410300030410_00	Frederick Creek	R	3	3	2015		X	X							X			X					X
OK410300030420_00	Buck Creek	R	36	3	2015		X	X							X			X	X				X
OK410300030430_00	Whiskey Creek	R	4	3	2015		X	X							X			X					X
OK410300030440_00	Clay Branch	R	2	3	2015		X	X							X			X					X
OK410300030450_00	Wildhorse Creek	R	7	3	2015		X	X							X			X					X
OK410300030460_00	Little Wildhorse Creek	R	3	3	2015		X	X							X			X					X
OK410300030470_00	Kimbrough Creek	R	5	3	2015		X	X							X			X					X
OK410300030480_00	Shorty Creek	R	6	3	2015		X	X							X			X					X
OK410300030490_00	Fobb Creek	R	12	3	2015		X	X							X			X					X
OK410300030500_00	Cole Creek	R	8	3	2015		X	X							X			X					X
OK410300030510_00	Happy Hollow Creek	R	4	3	2015		X	X							X			X	X				X
OK410300030520_00	Grassy Creek	R	4	3	2015		X	X							X			X	X				X
OK410300030530_00	Robinson Creek	R	5	3	2015		X	X							X			X					X
OK410300030540_00	Grassy Creek	R	4	3	2015		X	X							X			X					X
OK410300030550_00	Lily Pond Creek	R	3	3	2015		X	X							X			X					X
OK410300030560_00	Mud Creek	R	3	3	2015		X	X							X			X					X
OK410300030570_00	Kiamichi River	R	26	3	2015		X	X							X			X	X				X
OK410300030580_00	Pine Creek	R	23	5		2008	A	A							A			I					N
OK410300030590_00	Wildcat Creek	R	8	3	2015		X	X							X			X					X
OK410300030600_00	Marble Creek	R	8	3	2015		X	X							X			X					X
OK410300030610_00	Caney Creek	R	16	3	2015		X	X							X			X					X
OK410300030620_00	Spring Branch	R	1	3	2015		X	X							X			X					X
OK410300030630_00	Silver Creek	R	5	3	2015		X	X							X			X					X

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OK410300030640_00	John's Creek	R	2 3	2015			X	X							X			X					X
OK410300030650_00	Fobb Creek	R	3 3	2015			X	X							X			X					X
OK410300030660_00	Peveyhouse Creek	R	3 3	2015			X	X							X			X					X
OK410300030670_00	Bull Creek	R	5 3	2015			X	X							X			X					X
OK410300030680_00	Long Bell Creek	R	5 3	2015			X	X							X			X					X
OK410300030690_00	Hackett Creek	R	5 3	2015			X	X							X			X					X
OK410300030700_00	Beulah Creek	R	4 3	2015			X	X							X			X					X
OK410300030710_00	Crumb Creek	R	10 3	2015			X	X							X			X					X
OK410300030720_00	Stanley Creek, South	R	2 3	2015			X	X							X			X					X
OK410300030730_00	Little Cedar Creek	R	5 3	2015			X	X							X			X					X
OK410300030740_00	Clayton Creek, West	R	1 3	2015			X	X							X			X					X
OK410300030750_00	Peterson Creek	R	6 3	2015			X	X							X			X					X
OK410300030760_00	Peal Creek	R	8 3	2015			X	X							X			X	X		X		X
OK410300030770_00	Hurd Creek	R	7 3	2015			X	X							X			X					X
OK410300030780_00	Clayton Lake	L	95 3	2015			X	X							X			X					X
OK410310010010_00	Kiamichi River	R	29 5		2005		I	A			I				A			A	A				N
OK410310010020_00	Jackfork Creek	R	3 3	2005			I	X							X			X					I
OK410310010030_00	Terryland Creek	R	2 3	2015			X	X							X			X					X
OK410310010040_00	Nanhi Waiya Creek	R	7 3	2015			I	I			I				I			X	I				I
OK410310010050_00	Nanhi Waiya Lake	L	131 2	2015			A	I							I			I					I
OK410310010060_00	Old Choctaw Creek	R	2 3	2015			X	X							X			X					X
OK410310010070_00	Dry Creek	R	6 5		2008		A	N							X			N					I
OK410310010090_00	Walnut Creek	R	3 3	2015			X	X							X			X					X
OK410310010100_00	Walntu Creek, North Fork	R	6 3	2015			X	X							X			X					X
OK410310010110_00	Walnut Creek, South Fork	R	3 3	2015			X	X							X			X					X
OK410310010140_00	Albion Creek	R	6 3	2015			X	X							X			X					X
OK410310010150_00	Clear Creek	R	3 3	2015			X	X							X			X					X
OK410310010170_00	Rock Creek	R	8 3	2015			X	X							X			X	X				X
OK410310010180_00	Prairie Creek	R	6 3	2015			X	X							X			X					X
OK410310010190_00	Jackson Creek	R	10 3	2015			X	X							X			X					X

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OK410310010200_00	Rock Creek, East Fork	R	7	3	2015		X	X							X			X					X
OK410310010210_00	Rock Creek	R	7	3	2015		X	I							I			X	X				I
OK410310010220_00	Carl Albert Lake	L	183	5		2006	A	I							I			I	I				N
OK410310010230_00	Talihina Lake	L	25	5		2006	X	I							I			X					N
OK410310020010_00	Kiamichi River	R	21	3	2015		X	X			X				X			X	X				X
OK410310020010_10	Kiamichi River	R	29	5		2005	I	A			I				A			A	A				N
OK410310020020_00	Tombstone Creek	R	11	3	2015		X	X							X			X					X
OK410310020030_00	Frazier Creek	R	11	3	2015		X	X							X			X					X
OK410310020040_00	Bohannon Creek	R	9	3	2015		X	X							X			X					X
OK410310020050_00	Woods Creek	R	6	3	2015		X	X							X			X					X
OK410310020060_00	Sycamore Creek	R	9	3	2015		X	X							X			X					X
OK410310020070_00	Billy Creek	R	9	3	2015		X	X							X			X					X
OK410310020080_00	Billy Creek, East	R	5	3	2015		X	X							X			X					X
OK410310020090_00	Little Cedar Creek	R	4	3	2015		X	X							X			X					X
OK410310020100_00	Big Cedar Creek	R	6	3	2015		X	X							X			X					X
OK410310020110_00	Pigeon Creek	R	6	3	2015		X	X	X						X			X	X				
OK410310030010_00	Jackfork Creek	R	18	3	2015		X	X										X	X		X		X
OK410310030020_00	Sardis Lake	L	14,360	2	2010		A	I										I	I		X		I
OK410310030030_00	Buffalo Creek	R	20	3	2015		X	X										X	X		X		X
OK410310030040_00	Cedar Creek	R	5	3	2015		X	X							X			X					X
OK410310030050_00	Little Buffalo Creek	R	7	3	2015		X	X							X			X					X
OK410310030060_00	Anderson Creek	R	10	3	2015		X	X							X			X					X
OK410310030070_00	Anderson Creek, West Fork	R	10	3	2015		X	X							X			X					X
OK410310030080_00	Jackfork Creek, North Fork	R	25	3	2015		X	X										X	X		X		X
OK410310030090_00	Bolen Creek	R	9	5		2008	A	N							X			N					N
OK410310030100_00	Jackfork Creek	R	15	3	2015		X	X							X			X					X
OK410310030110_00	Maxwell Creek	R	7	3	2015		X	X							X			X					X
OK410310030120_00	Clear Creek	R	11	3	2015		X	X							X			X					X

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OK410400010010_00	Red River	R	13	3	2020		X	X			X				X			X	X				X
OK410400010010_10	Red River	R	13	3	2020		X	X			X				X			X	X				X
OK410400010010_20	Red River	R	5	5		2005	I	N			I				I			N	I				I
OK410400010010_30	Red River	R	8	3	2020		X	X			X				X			X	X				X
OK410400010010_40	Red River	R	14	3	2020		X	X			X				X			X	X				X
OK410400010020_00	Goodwater Creek	R	8	3	2020		X	X							X			X					X
OK410400010030_00	Carney Creek	R	10	3	2020		X	X							X			X					X
OK410400010040_00	Horse Creek	R	15	3	2020		X	X							X			X	X				X
OK410400010050_00	Owl Creek	R	9	3	2020		X	X							X			X					X
OK410400010060_00	Roebuck Lake	L	1	3	2020		X	X							X			X					X
OK410400010070_00	Muddy Boggy Creek	R	22	5		2005	I	A			I				A			N	I				N
OK410400010080_00	Hanubby Creek	R	12	3	2020		X	X							X			X					X
OK410400010110_00	Crowder Creek	R	12	3	2020		X	X							X			X					X
OK410400010120_00	Crooked Creek	R	8	3	2020		X	X							X			X					X
OK410400010130_00	Lick Creek	R	20	3	2020		X	X							X			X	X				X
OK410400010140_00	Rock Creek	R	8	3	2020		X	X							X			X					X
OK410400010150_00	Pointer Creek	R	6	3	2020		X	X							X			X					X
OK410400010160_00	Dry Pointer Creek	R	2	3	2020		X	X							X			X					X
OK410400010170_00	Big Branch	R	4	3	2020		I	I							X			X					I
OK410400010180_00	Beaverdam Creek	R	12	3	2020		I	I							X			X					I
OK410400010190_00	Bee Creek	R	3	3	2020		X	X							X			X					X
OK410400010200_00	Sugar Creek	R	8	3	2020		X	X							X			X					X
OK410400010210_00	Whitegrass Creek	R	30	3	2020		X	X							X			X	X				X
OK410400010220_00	Dry Creek	R	4	3	2020		X	X							X			X					X
OK410400010230_00	Little Dry Creek	R	4	3	2020		X	X							X			X					X
OK410400010240_00	Carson Branch	R	5	3	2020		X	X							X			X					X
OK410400010250_00	Frazier Creek	R	4	3	2020		X	X							X			X					X
OK410400010260_00	Slash Creek	R	4	3	2020		X	X							X			X					X
OK410400010270_00	Whitesand Creek	R	5	3	2020		X	X							X			X					X
OK410400010280_00	Winters Creek	R	5	3	2020		X	X							X			X					X

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OK410400010290_00	Rabbit Creek	R	2	3	2020		X	X							X			X					X
OK410400010300_00	Unnamed Tributary (Soper)	R	2	3	2020		X	X							X			X					X
OK410400010310_00	Crane Lake	L	1	3	2020		X	X							X			X					X
OK410400020010_00	Clear Boggy Creek	R	42	3	2010		I	X							X			X	X				I
OK410400020020_00	Mayhew Creek	R	10	3	2010		X	X							X			X					X
OK410400020030_00	Ross Branch	R	4	3	2020		X	X							X			X					X
OK410400020040_00	Newkirk Lake	L	1	3	2020		X	X							X			X					X
OK410400020050_00	Rocky Branch	R	3	3	2020		X	X							X			X					X
OK410400020060_00	Pecan Branch	R	4	3	2020		X	X							X			X					X
OK410400020070_00	Cold Springs Creek	R	7	3	2020		X	X							X			X					X
OK410400020080_00	Dobbins Lake	L	1	3	2020		X	X							X			X					X
OK410400020090_00	Sandy Creek	R	6	3	2020		X	X							X			X					X
OK410400020100_00	Shawnee Creek	R	8	3	2020		X	X							X			X					X
OK410400020110_00	Delaware Creek	R	11	3	2020		X	X							X			X					X
OK410400020120_00	Crooked Creek	R	2	3	2020		X	X							X			X					X
OK410400020130_00	Harrington Creek	R	4	3	2020		X	X							X			X					X
OK410400020140_00	Dancing Rabbit Creek	R	5	3	2020		X	X							X			X					X
OK410400020150_00	Mossy Lake	L	1	3	2020		X	X							X			X					X
OK410400020160_00	Bois d' Arc Creek	R	11	3	2020		X	X							X			X					X
OK410400020170_00	Straight Creek	R	6	3	2020		X	X							X			X					X
OK410400020180_00	Attaway Spring Creek	R	1	3	2020		X	X							X			X					X
OK410400020190_00	Odell Spring Creek	R	0	3	2020		X	X							X			X					X
OK410400020200_00	Caney Creek	R	12	3	2020		X	X							X			X					X
OK410400020210_00	Caney Creek, West Branch	R	8	3	2020		X	X							X			X					X
OK410400020220_00	Caney Creek, East Branch	R	2	3	2020		X	X							X			X					X
OK410400020230_00	Grassy Lake	L	1	3	2020		X	X							X			X					X
OK410400020240_00	Pine Creek	R	8	3	2020		X	X							X			X					X
OK410400020250_00	Long Branch	R	7	3	2020		X	X							X			X					X

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OK410400020260_00	Cowpen Creek	R	13	3	2020		X	X							X			X					X
OK410400020270_00	Little Cowpen Creek	R	4	3	2020		X	X							X			X					X
OK410400020280_00	Twin Lake	L	1	3	2020		X	X							X			X					X
OK410400020290_00	Sand Creek	R	9	3	2020		X	X							X			X					X
OK410400020300_00	Fronterhouse Creek	R	9	3	2020		X	X							X			X					X
OK410400030010_00	Clear Boggy Creek	R	23	5		2005	I	A			I				A			N	I				N
OK410400030020_00	Caney Creek	R	13	3	2020		X	X							X					X			X
OK410400030030_00	Davis Creek	R	10	3	2020		X	X							X			X					X
OK410400030040_00	Caddo Creek	R	2	3	2020		X	X							X			X					X
OK410400030050_00	Cat Creek	R	4	3	2020		X	X							X			X					X
OK410400030060_00	Buffalo Creek	R	3	3	2020		X	X							X			X					X
OK410400030070_00	Big Branch	R	8	3	2020		X	X							X			X					X
OK410400030080_00	Big Slough	R	4	3	2020		X	X							X			X					X
OK410400030090_00	Lain Lake	L	1	3	2010		X	X							X			X					X
OK410400030100_00	Salt Creek	R	6	3	2020		X	X							X			X					X
OK410400030110_00	Rock Creek	R	7	3	2020		X	X							X			X					X
OK410400030120_00	Rock Creek Lake	L	248	3	2020		X	X							X			X					X
OK410400030130_00	Dry Boggy Creek	R	11	3	2020		X	X							X			X					X
OK410400030140_00	Watson Creek	R	8	3	2020		X	X							X			X					X
OK410400030150_00	Sandy Creek	R	8	3	2020		X	X							X			X					X
OK410400030160_00	Sandy Creek	R	14	3	2020		I	I							X			X					X
OK410400030170_00	Ream Lake	L	1	3	2020		X	X							X			X					X
OK410400030180_00	Birch Creek	R	4	3	2020		X	X							X			X					X
OK410400030190_00	Rock Creek	R	5	3	2020		X	X							X			X					X
OK410400030200_00	Clear Boggy Creek (old channel)	R	7	3	2020		X	X							X			X					X
OK410400030210_00	Coon Creek	R	5	3	2020		X	X							X			X					X
OK410400030230_00	Clear Boggy Creek	R	27	3	2020		X	X							X			X	X				X
OK410400030240_00	Delaware Creek	R	29	3	2020		X	X							X			X	X				X
OK410400030250_00	Clarita Creek	R	10	3	2020		X	X							X			X					X

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OK410400030260_00	Walnut Branch	R	12	3	2020		X	X							X			X					X
OK410400030280_00	Sandy Creek	R	6	3	2020		X	X							X			X					X
OK410400030290_00	Wapanucka Creek	R	3	3	2020		X	X				X			X					X			
OK410400030300_00	Wapanucka City Lake	L	1	3	2020		X	X							X			X					X
OK410400030305_00	Wapanucka Creek, West	R	2	3	2020		X	X							X			X					X
OK410400030310_00	Wapanucka Lake	L	1	3	2010		X	X							X			X					X
OK410400030320_00	Wide Springs Branch	R	3	3	2020		X	X							X			X					X
OK410400030330_00	Houghtubby Branch	R	4	3	2020		X	X							X			X					X
OK410400030340_00	Deadman Spring Creek	R	3	3	2020		X	X							X			X					X
OK410400030350_00	Elm Creek	R	8	3	2020		X	X							X			X					X
OK410400030360_00	Little Caney Creek	R	9	3	2020		X	X							X			X					X
OK410400030370_00	Leader Creek	R	30	3	2020		X	X							X			X					X
OK410400030380_00	Owl Creek	R	8	3	2020		X	X							X			X					X
OK410400030390_00	Peach Creek	R	6	3	2020		X	X							X			X					X
OK410400030400_00	Tupelo Creek	R	2	3	2020		X	X							X			X					X
OK410400030410_00	Turkey Creek	R	5	3	2020		X	X							X			X					X
OK410400030420_00	Coon Creek	R	4	3	2020		X	X							X			X					X
OK410400030430_00	Sandy Creek	R	6	3	2020		X	X							X			X					X
OK410400030440_00	Lula Creek, East	R	1	3	2020		X	X							X			X					X
OK410400030450_00	Bois d' Arc Creek	R	3	3	2020		X	X							X			X					X
OK410400030460_00	Bully Creek	R	6	3	2020		X	X							X			X					X
OK410400030470_00	Lula Creek	R	2	3	2020		X	X							X			X					X
OK410400030480_00	Leader Creek, West	R	4	3	2020		X	X							X			X					X
OK410400030490_00	Goose Creek	R	15	3	2020		X	X							X			X					X
OK410400030510_00	Coffee Pot Spring Creek	R	4	3	2020		X	X							X			X					X
OK410400030520_00	Coal Creek	R	16	3	2020		X	X							X			X					X
OK410400030523_00	Diamond Creek	R	2	2	2020		A	A							A			X	I				I
OK410400030530_00	Wildcat Springs Creek	R	0	3	2020		X	X							X			X					X
OK410400030540_00	Rock Creek	R	11	3	2020		X	X							X			X					X
OK410400030550_00	Coapont Lake	L	1	3	2020		X	X							X			X					X

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OK410400040010_00	Clear Boggy Creek	R	31	3	2010		I	X							X			X	X				I
OK410400040020_00	Buck Creek	R	13	3	2020		X	X							X			X					X
OK410400040030_00	Owl Creek	R	5	3	2020		X	X							X			X					X
OK410400040040_00	Salt Creek	R	5	3	2020		X	X							X			X					X
OK410400040050_00	Buck Creek, East	R	5	3	2020		X	X							X			X					X
OK410400040060_00	Buck Creek, West	R	7	3	2020		X	X							X			X					X
OK410400040070_00	Sheep Creek	R	10	3	2020		I	I							I			X	I				I
OK410400040080_00	Canyon Creek	R	6	3	2020		X	X							X			X					X
OK410400040090_00	Mill Creek	R	9	2	2010		A	A							A			X	I				I
OK410400040094_00	Bread Mill Creek	R	2	3	2020		X	X							X			X					X
OK410400040100_00	Walnut Creek	R	6	3	2020		X	X							X			X					X
OK410400040110_00	Bois d' Arc Creek	R	11	3	2020		X	X							X			X					X
OK410400040130_00	Jack Creek	R	3	3	2020		X	X							X			X					X
OK410400040140_00	Jack Creek, North	R	8	3	2020		X	X							X			X					X
OK410400040150_00	Jack Creek, South	R	9	3	2020		X	X							X			X					X
OK410400040160_00	Rhoda Creek	R	7	3	2020		X	X							X			X					X
OK410400040170_00	Lake Creek	R	3	5		2008	I	N			N				I			X					N
OK410400040180_00	Ada Lake	L	108	3	2020		X	X							X			X					X
OK410400050010_00	Muddy Boggy Creek	R	33	3	2010		I	X							X			X	X				I
OK410400050020_00	Tanyard Creek	R	9	3	2020		X	X							X			X					X
OK410400050040_00	Grassy Lake	L	1	3	2020		X	X							X			X					X
OK410400050050_00	Salt Lake	L	1	3	2020		X	X							X			X					X
OK410400050060_00	Louie Lake	L	1	3	2020		X	X							X			X					X
OK410400050070_00	Boehler Lake Creek	R	5	3	2020		X	X							X			X					X
OK410400050080_00	Clear Lake	L	1	3	2020		X	X							X			X					X
OK410400050090_00	Boehler Lake	L	1	3	2020		X	X							X			X					X
OK410400050100_00	Caney Creek	R	9	3	2020		X	X							X			X					X
OK410400050110_00	Lamey Slash	R	3	3	2020		X	X							X			X					X
OK410400050120_00	Boggy Creek Cutoff Oxbow Lake	L	1	3	2010		X	X							X			X					X

OKWBID	NAME	TYPE	SIZE (Lake Acres or Stream Miles)	CATEGORY	Monitoring Date	TMDL Date	Aesthetics	Agriculture	Cool Water Aquatic Community	Emergency Water Supply	Fish Consumption	Habitat Limited Aquatic Community	High Quality Water	Hydropower Generation	Industry	Navigation	Outstanding Resource	Primary Contact (Recreation)	Public/Private Water Supply	Secondary Contact (Recreation)	Sensitive Water Supply	Trout Fishery	Warm Water Aquatic Community
OK410400050130_00	Potubbi Creek	R	7	3	2020		X	X							X			X					X
OK410400050140_00	Allen Lake Creek	R	2	3	2020		X	X							X			X					X
OK410400050150_00	Allen Lake	L	1	3	2020		X	X							X			X					X
OK410400050160_00	Sand Branch	R	2	3	2020		X	X							X			X					X
OK410400050170_00	Atoka Lake Creek	R	2	3	2020		X	X							X			X					X
OK410400050180_00	Atoka Lake	L	1	3	2020		X	X							X			X					X
OK410400050190_00	Sandy Creek	R	12	3	2020		X	X							X			X					X
OK410400050200_00	Rard Branch	R	2	3	2020		X	X							X			X					X
OK410400050210_00	Cold Springs Creek	R	5	3	2020		X	X							X			X					X
OK410400050220_00	Sandy Creek, East	R	3	3	2020		X	X							X			X					X
OK410400050230_00	Dry Lake	L	1	3	2020		X	X							X			X					X
OK410400050240_00	Crystal Creek	R	0	3	2020		X	X							X			X					X
OK410400050250_00	Crystal Creek, North	R	4	3	2020		X	X							X			X					X
OK410400050260_00	Crystal Creek, South	R	3	3	2020		X	X							X			X					X
OK410400050270_00	Muddy Boggy Creek	R	25	3	2020		X	X			X				X			X	X				X
OK410400050270_10	Muddy Boggy Creek	R	22	5		2005	I	A			I				A			I	I				N
OK410400050290_00	Medicine Branch	R	3	3	2020		X	X							X			X					X
OK410400050300_00	Wilson Creek	R	5	3	2020		X	X							X			X					X
OK410400050310_00	Double Springs Creek	R	6	3	2020		X	X							X			X					X
OK410400050320_00	Double Springs Creek, South Branch	R	3	3	2020		X	X							X			X					X
OK410400050330_00	Double Springs Creek, North Branch	R	2	3	2020		X	X							X			X					X
OK410400050340_00	August Creek	R	6	3	2020		X	X							X			X					X
OK410400050350_00	East Branch	R	3	3	2020		X	X							X			X					X
OK410400050360_00	Cabin Creek	R	3	3	2020		X	X							X			X					X
OK410400050370_00	Rock Creek	R	6	3	2020		X	X							X			X					X
OK410400050380_00	Little Rock Creek	R	3	3	2020		X	X							X			X					X
OK410400050390_00	Campbell Creek	R	4	3	2020		X	X							X			X					X
OK410400050400_00	Prairie Hollow Creek	R	3	3	2020		X	X							X			X					X

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OK410400050420_00	Chickasaw Creek	R	14	3	2020		X	X							X			X					X
OK410400050430_00	Little Chickasaw Creek	R	6	3	2020		X	X							X			X					X
OK410400050440_00	Rocky Creek	R	2	3	2020		X	X							X			X					X
OK410400050450_00	Breadtown Creek	R	9	3	2020		X	X							X			X					X
OK410400050460_00	Breadtown Creek, East	R	4	3	2020		X	X							X			X					X
OK410400050470_00	Sand Creek	R	5	3	2020		X	X							X			X					X
OK410400050480_00	Tumbler Creek	R	3	3	2020		X	X							X			X					X
OK410400050490_00	Sandy Creek	R	4	3	2020		X	X							X			X					X
OK410400050500_00	Sand Creek	R	6	3	2020		X	X							X			X					X
OK410400050510_00	Atoka Lake	L	1	3	2020		X	X							X			X					X
OK410400050520_00	Long Creek	R	5	3	2020		X	X							X			X					X
OK410400050530_00	Thompson Creek	R	8	3	2020		X	X							X			X					X
OK410400050540_00	Coal Creek	R	9	3	2020		X	X										X	X				X
OK410400050550_00	French Henry Creek	R	7	3	2020		X	X							X			X					X
OK410400050560_00	Dunford Creek	R	6	3	2020		X	X							X			X					X
OK410400050570_00	Sandy Creek	R	3	3	2020		X	X							X			X					X
OK410400050580_00	Brier Creek	R	9	3	2020		X	X							X			X					X
OK410400050590_00	Sulphur Creek	R	5	3	2020		X	X							X			X					X
OK410400060010_00	Muddy Boggy Creek	R	15	3	2020		X	X							X			X	X				X
OK410400060010_10	Muddy Boggy Creek	R	14	3	2020		X	X							X			X	X				X
OK410400060010_20	Muddy Boggy Creek	R	15	3	2020		X	X							X			X	X				X
OK410400060010_30	Muddy Boggy Creek	R	21	5		2008	I	N							I			X	I				N
OK410400060020_00	Caney Creek	R	14	3	2020		X	X							X			X	X				X
OK410400060030_00	Coon Creek	R	9	3	2020		X	X							X			X	X				X
OK410400060040_00	Colgate Municipal Lake	L	352	2	2010		A	I							I			I	I				I
OK410400060050_00	Coon Creek, North	R	6	3	2020		X	X							X			X	X		X		X
OK410400060060_00	Caney Creek Lake	L	1	3	2020		X	X							X			X					X
OK410400060070_00	Coal Creek	R	11	3	2020		X	X							X			X					X
OK410400060080_00	Phillips Hollow Creek	R	3	3	2020		X	X							X			X					X
OK410400060090_00	Salt Creek	R	20	3	2020		X	X							X			X					X

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OK410400060100_00	Keel Creek	R	10	3	2020		X	X							X			X					X
OK410400060110_00	Salt Creek, North	R	3	3	2020		X	X							X			X					X
OK410400060120_00	Caney Boggy Creek	R	26	3	2020		X	X							X			X	X				X
OK410400060140_00	Ranch Creek	R	13	3	2020		X	X							X			X					X
OK410400060150_00	King Hollow Creek	R	3	3	2020		X	X							X			X					X
OK410400060160_00	Sandy Creek	R	8	3	2020		X	X							X			X					X
OK410400060170_00	Piney Creek	R	5	3	2020		X	X							X			X					X
OK410400060180_00	Rock Creek	R	9	3	2020		X	X							X			X					X
OK410400060190_00	Salt Creek	R	3	3	2020		X	X							X			X					X
OK410400060200_00	Rock Creek	R	13	3	2020		X	X							X			X					X
OK410400060210_00	Black Creek	R	7	3	2020		X	X							X			X					X
OK410400060220_00	Cedar Creek	R	5	3	2020		X	X							X			X					X
OK410400060230_00	Pine Creek	R	5	3	2020		X	X							X			X					X
OK410400060240_00	Panther Creek	R	11	3	2020		X	X							X			X					X
OK410400060250_00	Gerty Creek	R	3	3	2020		X	X							X			X					X
OK410400060260_00	Big Sandy Creek	R	14	3	2020		X	X							X			X					X
OK410400060270_00	Little Sandy Creek	R	8	3	2020		X	X				X			X					X			
OK410400060290_00	Sincere Creek	R	17	3	2020		X	X							X			X					X
OK410400070010_00	McGee Creek	R	49	3	2020		X	X										X	X		X		X
OK410400070020_00	McGee Lake	L	3,810	5		2006	A	I										I	I		X		N
OK410400070030_00	Crooked Oak Creek	R	8	3	2020		X	X							X			X					X
OK410400070040_00	Potapo Creek	R	13	3	2020		X	X							X			X					X
OK410400070050_00	Panther Creek	R	3	3	2020		X	X							X			X					X
OK410400070060_00	Cat Creek	R	4	3	2020		X	X							X			X					X
OK410400070070_00	Kennedy Hollow Creek	R	4	3	2020		X	X							X			X					X
OK410400070080_00	Peacock Hollow Creek	R	6	3	2020		X	X							X			X					X
OK410400070090_00	Prairie Hollow Creek	R	2	3	2020		X	X							X			X					X
OK410400070100_00	Mill Creek	R	7	3	2020		X	X							X			X	X				X
OK410400070110_00	Blue Creek	R	3	3	2020		X	X							X			X					X
OK410400070140_00	Bugaboo Creek	R	2	3	2020		X	X							X			X					X

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OK410400070150_00	Bear Creek	R	4	3	2020		X	X							X			X					X
OK410400070160_00	Little Caney Creek	R	4	3	2020		X	X							X			X					X
OK410400070170_00	Grassy Branch	R	5	3	2020		X	X							X			X					X
OK410400070180_00	Whiskey Hollow Branch	R	2	3	2020		X	X							X			X					X
OK410400070190_00	Ray Hollow Creek	R	4	3	2020		X	X							X			X					X
OK410400070200_00	Ray Creek	R	5	3	2020		X	X							X			X					X
OK410400070230_00	Tommy Bond Branch	R	5	3	2020		X	X							X			X					X
OK410400070250_00	Baker Branch	R	4	3	2020		X	X							X			X					X
OK410400070260_00	Little Caney Creek	R	4	3	2020		X	X							X			X					X
OK410400070270_00	Cedar Creek	R	3	3	2020		X	X							X			X					X
OK410400070280_00	Prairie Creek	R	6	3	2020		X	X							X			X					X
OK410400070290_00	Molletuby Creek	R	7	3	2020		X	X							X			X					X
OK410400070310_00	Ingersoll Creek	R	4	3	2020		X	X							X			X					X
OK410400080010_00	Boggy Creek, North	R	45	3	2020		X	X										X	X		X		X
OK410400080020_00	Atoka Lake	L	5,700	5		2005	A	I										I	I		X		N
OK410400080030_00	Mill Creek	R	11	3	2020		X	X							X			X					X
OK410400080040_00	McEntire Lake	L	1	3	2020		X	X							X			X					X
OK410400080050_00	Elm Creek	R	6	3	2020		X	X							X			X					X
OK410400080060_00	Sub-Penitentiary Lake	L	1	3	2020		X	X							X			X					X
OK410400080070_00	Chilly Creek	R	4	3	2020		X	X							X			X					X
OK410400080090_00	Troney Lake	L	1	3	2020		X	X							X			X					X
OK410400080100_00	Beck Creek	R	5	3	2020		X	X							X			X					X
OK410400080110_00	Buck Creek	R	15	3	2020		X	X							X			X					X
OK410400080120_00	Limestone Creek	R	6	3	2020		X	X							X			X					X
OK410400080140_00	Owl Creek	R	6	3	2020		X	X							X			X					X
OK410400080150_00	Roberts Creek	R	3	3	2020		X	X							X			X					X
OK410400080160_00	Fivemile Creek	R	10	3	2020		X	X							X			X					X
OK410400080170_00	King Creek	R	6	3	2020		X	X							X			X					X
OK410400080180_00	Birch Creek	R	10	3	2020		X	X							X			X					X
OK410400080190_00	Kiowa Lake Creek	R	4	3	2020		X	X							X			X					X

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OK410400080200_00	Kiowa Lake	L	1	3	2020		X	X							X			X					X
OK410400080210_00	Sassafras Creek	R	5	3	2020		X	X							X			X					X
OK410600010010_00	Blue River	R	48	5		2004	I	A			I				A			N	I				I
OK410600010020_00	Red Branch	R	5	3	2020		X	X							X			X					X
OK410600010030_00	Sulphur Creek	R	15	3	2020		X	X							X			X					X
OK410600010040_00	Wolf Creek	R	4	3	2020		X	X							X			X					X
OK410600010050_00	McGee Creek	R	5	3	2020		X	X							X			X					X
OK410600010060_00	Sassafras Creek	R	7	3	2020		X	X							X			X					X
OK410600010070_00	Rock Branch	R	3	3	2020		X	X							X			X					X
OK410600010080_00	Cherokee Lake	L	1	3	2020		X	X							X			X					X
OK410600010090_00	Bokchito Creek	R	17	3	2020		X	X							X			X					X
OK410600010095_00	Unnamed Tributary	R	2	3	2020		X	X				X			X					X			
OK410600010100_00	Chaney Creek	R	7	3	2020		X	X							X			X					X
OK410600010110_00	Academy Creek	R	2	3	2020		X	X							X			X					X
OK410600010120_00	Banty Spring Creek	R	4	3	2020		X	X							X			X					X
OK410600010130_00	Little Creek	R	2	3	2020		X	X							X			X					X
OK410600010140_00	Caddo Creek	R	14	3	2020		X	X							X			X					X
OK410600010150_00	Rock Creek	R	4	3	2020		X	X							X			X					X
OK410600010160_00	Mail Rider Creek	R	6	3	2020		X	X							X			X					X
OK410600010170_00	Rocky Branch	R	3	3	2020		X	X							X			X					X
OK410600010180_00	Elm Creek	R	4	3	2020		X	X							X			X					X
OK410600010190_00	Puckett Creek	R	3	3	2020		X	X							X			X					X
OK410600010200_00	J-N Creek	R	8	3	2020		X	X							X			X					X
OK410600010210_00	North Branch	R	3	3	2020		X	X							X			X					X
OK410600010220_00	Rock Creek	R	2	3	2020		X	X							X			X					X
OK410600010230_00	Cedar Creek	R	4	3	2020		X	X							X			X					X
OK410600010240_00	Dude Creek	R	4	3	2020		X	X							X			X					X
OK410600010250_00	Sandy Creek	R	3	3	2020		X	X							X			X					X
OK410600010260_00	Kanola Creek	R	11	3	2020		X	X							X			X					X
OK410600010270_00	Harrington Creek	R	7	3	2020		X	X							X			X					X

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OK410600010280_00	Thompson Creek	R	5	3	2020		X	X							X			X					X
OK410600010290_00	Blue River	R	15	3	2020		X	X							X			X	X				X
OK410600010300_00	Mineral Bayou	R	16	2	2010		X	X		A					X			X					X
OK410600010310_00	Chuckwa Creek	R	6	3	2020		X	X							X			X					X
OK410600010320_00	Johnson Creek	R	5	3	2020		X	X							X			X					X
OK410600010330_00	Simmon Creek	R	6	3	2020		X	X							X			X					X
OK410600010340_00	Little Blue River	R	10	3	2020		X	X							X			X					X
OK410600010350_00	Bois d' Arc Creek	R	8	3	2020		X	X							X			X					X
OK410600010360_00	McClellan Creek	R	3	3	2020		X	X							X			X					X
OK410600010370_00	Reeder Creek	R	8	3	2020		X	X							X			X					X
OK410600010380_00	Cooper Creek	R	3	3	2020		X	X							X			X					X
OK410600010390_00	Horse Creek	R	5	3	2020		X	X							X			X					X
OK410600020010_00	Blue River	R	69	2	2004		X	X					X	A				X	X			X	
OK410600020020_00	Sandy Creek	R	15	3	2020		X	X							X			X	X				X
OK410600020030_00	Little Sandy Creek	R	8	3	2020		X	X							X			X					X
OK410600020040_00	Brushy Creek	R	2	3	2020		X	X							X			X					X
OK410600020050_00	Peter Sandy Creek	R	5	3	2020		I	I							X			X					I
OK410600020060_00	Pecan Creek	R	5	3	2020		X	X							X			X					X
OK410600020070_00	Diamond Spring Branch	R	5	3	2020		X	X							X			X					X
OK410600020080_00	Little Pecan Creek	R	4	3	2020		X	X							X			X					X
OK410600020090_00	Little Blue Creek	R	12	3	2020		X	X							X			X					X
OK410600020100_00	Little West Blue Creek	R	19	3	2020		X	X							X			X					X
OK410600020120_00	Limestone Creek	R	5	3	2020		X	X							X			X					X
OK4107000000010_00	Red River	R	61	2	2020		X	X						A	X			X	X				X
OK4107000000020_00	Rice Creek	R	7	3	2020		X	X							X			X					X
OK4107000000030_00	Tuklo Creek	R	11	3	2020		X	X							X			X					X
OK4107000000040_00	Island Bayou	R	40	2	2020		X	X		A					X					X			X
OK4107000000050_00	Brushy Creek	R	4	3	2020		X	X							X			X					X
OK4107000000060_00	Jones Creek	R	6	3	2020		X	X							X			X					X
OK4107000000070_00	Wolf Creek	R	9	3	2020		X	X							X			X					X

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OK410700000080_00	Long Creek	R	9	3	2020		X	X							X			X					X
OK410700000090_00	Sassafras Creek	R	13	3	2020		X	X							X			X					X
OK410700000100_00	Caney Creek	R	9	3	2020		X	X							X			X					X
OK410700000120_00	Caney Creek	R	4	4a	2010		X	X							X			X					X
OK410700000130_00	Moore Creek	R	6	3	2020		X	X							X			X					X
OK410700000140_00	Brown Creek	R	15	3	2020		X	X							X			X					X
OK410700000150_00	Chico Creek	R	3	3	2020		X	X							X			X					X
OK410700000160_00	Muddy Creek	R	4	3	2020		X	X							X			X					X
OK410700000170_00	Pepper Creek	R	4	3	2020		X	X							X			X					X
OK410700000180_00	Sand Creek	R	8	3	2020		X	X							X			X					X
OK410700000190_00	Sandy Creek	R	6	3	2020		X	X							X			X					X
OK410700000200_00	Greenwood Creek	R	3	3	2020		X	X							X			X					X
OK410700000210_00	Webb Creek	R	7	3	2020		X	X							X			X					X
OK410700000220_00	Rock Creek	R	3	3	2020		X	X							X			X					X
OK410700000230_00	Eastman Creek	R	7	5		2008	A	I							X			N					N
OK410700000240_00	Kodac Creek	R	4	3	2020		X	X							X			X					X
OK410700000250_00	Sandy Creek	R	10	3	2020		X	X							X			X	X				X
OK410700000260_00	Sand Creek	R	12	3	2020		X	X							X			X					X
OK410700000270_00	Little Sand Creek	R	9	3	2020		X	X							X			X					X
OK520500010010_00	Canadian River, North	R	9	3	2008		X	X							X			X	X				X
OK520500010020_00	Eufaula Lake, North Canadian River Arm, Lower	L	11,389	3	2008		X	X							X			X	X				I
OK520500010030_00	Carr Creek	R	11	3	2018		X	X							X			X					X
OK520500010040_00	Nellie Creek	R	4	3	2018		X	X							X			X					X
OK520500010050_00	Fivemile Creek	R	5	3	2018		X	X							X			X					X
OK520500010060_00	Possum Creek	R	8	3	2018		X	X							X			X					X
OK520500010070_00	Coon Creek	R	10	3	2018		X	X							X			X					X
OK520500010080_00	Canadian River, North	R	2	3	2018		X	X							X			X	X				X

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OK520500010090_00	Eufaula Lake, North Canadian River Arm, Upper	L	11,389	3	2018		X	X							X			X	X				X
OK520500010100_00	Fame Branch	R	7	3	2018		X	X							X			X					X
OK520500010110_00	Canadian River, North	R	59	5		2006	I	A			I				A			N	I				N
OK520500010120_00	Limbo Creek	R	13	3	2018		X	X							X			X					X
OK520500010130_00	Gar Creek	R	7	3	2018		I	I							I			X	I				I
OK520500010140_00	Piney Creek	R	4	3	2018		X	X							X			X					X
OK520500010150_00	Fish Creek	R	11	3	2018		X	X							X			X					X
OK520500010151_00	Dustin Creek	R	4	3	2018		X	X							X			X					X
OK520500010152_00	Dustin Lake	L	27	3	2018		X	X							X			X					X
OK520500010160_00	Parsley Creek	R	8	3	2018		X	X							X			X					X
OK520500010170_00	Bad Creek	R	19	5		2006	A	N							I			X	I				N
OK520500010180_00	Salt Creek	R	5	3	2018		X	X							X			X					X
OK520500010190_00	Rock Creek	R	5	3	2018		X	X							X			X					X
OK520500010200_00	Alabama Creek	R	14	5		2006	A	N							I			X	A				A
OK520500010210_00	Weleetka Creek	R	1	3	2008		X	X							X			X					X
OK520500010220_00	Weleetka City Lake	L	61	3	2008		X	X							X			X					X
OK520500010242_00	Clearview Creek	R	5	5		2006	I	N							X			X					X
OK520500010260_00	Salt Creek	R	4	3	2018		X	X							X			X					X
OK520500010270_00	Wetumka City Lake	L	175	5		2006	A	I							I			I					N
OK520500010280_00	Flat Rock Creek	R	11	5		2006	I	I							X			X	X				N
OK520500010290_00	Battle Creek	R	4	3	2018		X	X							X			X					X
OK520500010300_00	Airport Lake	L	100	3	2018		X	X							X			X					X
OK520500020010_00	Wewoka Creek	R	46	5		2006	A	N		A		N			I			N					
OK520500020020_00	Greasy Creek	R	18	5		2006	A	A							A			I					N
OK520500020026_00	Cheyarha Creek	R	3	2	2018		A	A							A			X	I				I
OK520500020027_00	Cheyarha Creek East	R	4	5		2006	A	N							I			X	I				I
OK520500020028_00	Cheyarha Creek west	R	5	3	2018		I	I							I			X	I				I
OK520500020030_00	Fish Creek	R	9	2	2018		A	A							A			X	I				A
OK520500020040_00	Brooks Lake	L	120	3	2018		X	X							X			X					X

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OK520500020050_00	Ranche Creek	R	11	3	2018		X	X							X			X					X
OK520500020060_00	Graves Creek	R	15	3	2018		X	X							X			X	X				X
OK520500020070_00	Elm Creek	R	8	3	2018		X	X							X			X					X
OK520500020080_00	Grief Creek	R	7	3	2018		X	X							X			X					X
OK520500020090_00	Little Wewoka Creek	R	20	5		2006	I	A							A			X	X				N
OK520500020100_00	Stanley Creek	R	4	3	2018		X	X							X			X					X
OK520500020110_00	Stanley Lake	L	23	3	2018		X	X							X			X					X
OK520500020120_00	Long George Creek	R	11	3	2018		X	X							X			X					X
OK520500020130_00	Yeager Creek	R	8	3	2018		X	X							X			X					X
OK520500020140_00	Tiger Creek	R	8	3	2018		X	X							X			X					X
OK520500020150_00	Jacobs Creek	R	9	3	2018		X	X							X			X					X
OK520500020160_00	Cooter Creek	R	9	3	2018		X	X							X			X					X
OK520500020170_00	Coon Creek	R	4	3	2018		X	X							X			X	X		X		X
OK520500020180_00	Coon Creek	R	4	3	2018		I	I			I				I			X	I		X		I
OK520500020190_00	Wewoka Lake	L	371	2	2008		A	I							I			I	I		X		I
OK520500020200_00	Tiger Creek	R	4	3	2018		X	X							X			X					X
OK520500020210_00	Tiger Creek	R	5	3	2018		I	I							I			X	I				I
OK520500020220_00	Sportsman Lake	L	354	2	2008		A	I							I			I	I				I
OK520500020225_00	Private Lake	L	3	3	2018		I	I							I			X	I				I
OK520500020230_00	Carter Creek	R	3	5		2006	A	N							I			X	I				I
OK520500020234_00	Carter Creek	R	4	2	2018		X	A							A			X	I				I
OK520500020235_00	Carter Lake	L	10	2	2018		A	A							A			X	A				I
OK520500020240_00	Wewoka Creek	R	12	5		2006	A	N				X			I				N	X			
OK520500020250_00	Magnolia Creek	R	5	5		2006	A	N							I			X	I				I
OK520500020260_00	Salt Cedar Creek	R	1	5		2006	A	N							I			X					I
OK520500020260_20	Salt Cedar Creek	R	1	5		2006	X	N							I			X					I
OK520500020270_00	Wewoka Creek, Trib A!	R	5	3	2018		X	X							X			X					X
OK520510000010_00	Canadian River, North	R	46	5		2005	A	A			I				A			N	I				N
OK520510000010_10	Canadian River, North	R	27	3	2018		X	X			X				X			X	X				X
OK520510000020_00	Cohee Creek	R	8	3	2018		X	X							X			X					X

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OK520510000030_00	Cohee Lake	L	80	3	2018		X	X							X			X					X
OK520510000040_00	Okemah Creek	R	13	3	2018		X	X							X			X					X
OK520510000050_00	Sand Creek	R	15	5		2006	I	N				X			I					X			
OK520510000060_00	Rock Creek	R	8	3	2018		X	X							X			X					X
OK520510000070_00	Fiftytwo Creek	R	4	3	2018		X	X							X			X					X
OK520510000080_00	Gar Creek	R	13	3	2018		X	X							X			X					X
OK520510000090_00	Snake Creek	R	8	3	2018		I	I							I			X	I				I
OK520510000095_00	Turkey Creek, Trib A!	R	5	5		2006	I	N							I			X	I				I
OK520510000100_00	Turkey Creek	R	17	5		2006	A	N							I			I	I				N
OK520510000105_00	Earlsboro Creek	R	5	5		2006	A	N							I			X	I				X
OK520510000110_00	Canadian River, North	R	32	5		2005	A	N		A	I				I			N					N
OK520510000110_10	Muddy Boggy Creek	R	14	3	2018		X	X		X	X				X			X					X
OK520510000110_20	Muddy Boggy Creek	R	32	3	2018		X	X		X	X				X			X					X
OK520510000120_00	Shan Creek	R	8	3	2008		X	X				X			X					X			
OK520510000130_00	Deer Creek	R	9	2	2018		X	X		A					X			X					X
OK520510000140_00	Painter Creek	R	5	3	2018		X	X							X			X					X
OK520510000150_00	Stamp Dance Creek	R	3	3	2018		X	X							X			X					X
OK520510000160_00	Squaw Creek	R	3	3	2018		X	X							X			X					X
OK520510000170_00	Rock Creek	R	6	3	2018		X	X							X			X					X
OK520510000180_00	Rock Creek	R	6	3	2018		X	X							X			X					X
OK520510000190_00	Squirrel Creek	R	10	3	2018		X	X							X			X					X
OK520510000195_00	Unnamed Tributary (Squirrel)	R	5	3	2018		X	X							X			X					X
OK520510000200_00	Tecumseh Creek	R	1	3	2008		X	X							X			X					X
OK520510000210_00	Tecumseh Creek	R	3	3	2018		X	X							X			X	X		X		X
OK520510000220_00	Tecumseh Lake	L	138	5		2006	A	I							I			I	I				N
OK520510000230_00	Lost Creek	R	5	3	2018		X	X							X			X					X
OK520510000240_00	Deer Creek	R	4	3	2018		X	X							X			X					X
OK520510000250_00	Deer Creek, South	R	8	3	2018		X	X							X			X	X		X		X
OK520510000255_00	Wes Watkins Resivore	L	1,142	2	2018		A	I							I			I					I

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OK520510000280_00	Shawnee 1 Lake (South 1)	L	1,336	2	2008		A	I							I			I	I				I
OK520510000290_00	Deer Creek, South	R	6	3	2018		X	X							X			X	X		X		X
OK520510000300_00	Shawnee 2 Lake (North 2)	L	1,100	5		2006	A	I							I			I	I				N
OK520510000310_00	Deer Creek, North	R	14	3	2018		X	X							X			X	X				X
OK520510000330_00	Horseshoe Oxbow Lake	L	450	3	2018		X	X							X			X					X
OK520520000010_00	Canadian River, North	R	4	5		2004	I	A			I				A			N	X				N
OK520520000010_10	Canadian River, North	R	13	3	2018		X	X			X				X			X	X				X
OK520520000010_20	Canadian River, North	R	14	3	2018		X	X			X				X			X	X				X
OK520520000010_30	Canadian River, North	R	10	3	2018		X	X			X				X			X	X				X
OK520520000010_40	Canadian River, North	R	5	3	2018		X	X			X				X			X	X				X
OK520520000020_00	Harrah Creek	R	6	3	2018		X	X							X			X					X
OK520520000030_00	Choctaw Creek	R	10	2	2018		I	I		A		I			I					I			
OK520520000040_00	Jones Creek	R	4	3	2018		X	X							X			X					X
OK520520000050_00	Silver Creek	R	3	3	2018		X	X							X			X					X
OK520520000060_00	Crutcho Creek	R	4	3	2008		I	I							X			I					I
OK520520000070_00	Crutcho Creek	R	6	5		2006	I	A							A			N					I
OK520520000080_00	Soldier Creek	R	7	3	2018		X	X							X			X					X
OK520520000090_00	Crutcho Creek	R	2	5		2006	N	X				X			X					X			
OK520520000110_00	Cherry Creek	R	7	3	2008		I	I							X			X					I
OK520520000140_00	Thompson Lake	L	100	3	2018		X	X							X			X					X
OK520520000150_00	Crooked Oak Creek	R	7	5		2006	A	N							X			N	X				N
OK520520000160_00	Lightning Creek	R	8	3	2018		X	X							X			X					X
OK520520000170_00	Brock Creek	R	6	3	2018		X	X							X			X					X
OK520520000210_00	Canadian River, North	R	9	3	2018		X	X							X			I	X				X
OK520520000230_00	Cambell Creek (Camel)	R	6	3	2018		X	X							X			X					X
OK520520000240_00	Mustang Creek	R	9	5		2006	I	I							X			N					I
OK520520000250_00	Canadian River, North	R	9	3	2018		X	X							X			X	X				X
OK520520000260_00	Overholser Lake	L	1,500	5		2006	A	I							I			I					N

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OK520520000270_00	Ramsey Lake	L	20	3	2018		X	X							X			X					X
OK520520000280_00	Bluff Creek Canal (Hefner L)	R	2	3	2018		X	X							X			X					X
OK520530000010_00	Canadian River, North	R	10	3	2018		X	X			X				X			X	X				X
OK520530000010_10	Canadian River, North	R	101	5		2005	I	A			I				A			N	I				N
OK520530000020_00	Wilshire Creek	R	1	3	2018		X	X							X			X					X
OK520530000030_00	Shell Creek	R	9	5		2006	A	A							X			N	X				N
OK520530000040_00	Purcell Creek	R	12	3	2018		I	I							X			X	X				I
OK520530000050_00	Sixmile Creek	R	16	3	2018		I	X							X			X	X				I
OK520530000060_00	Fourmile Creek	R	5	3	2018		X	X							X			X					X
OK520530000070_00	Fourmile Creek	R	4	3	2018		X	X							X			X					X
OK520530000080_00	El Reno Lake	L	170	5		2005	A	I							I			I					N
OK520530000090_00	Target Creek	R	8	3	2018		X	X							X			X					X
OK520530000100_00	Rolla Lake	L	80	3	2018		X	X							X			X					X
OK520530000110_00	Sixmile Creek	R	12	3	2018		I	I							X			X					I
OK520530000120_00	Laughlin Lake Creek	R	3	3	2018		X	X							X			X					X
OK520530000130_00	Laughlin Lake	L	45	3	2018		X	X							X			X					X
OK520530000140_00	Horse Creek	R	8	3	2018		X	X							X			X					X
OK520530000150_00	Relay Creek	R	8	3	2018		X	X							X			X					X
OK520530000160_00	Chicken Creek	R	8	3	2018		X	X							X			X					X
OK520530000170_00	Weavers Creek	R	8	3	2018		X	X							X			X					X
OK520530000180_00	Ninemile Creek	R	8	3	2018		I	I							X			X					I
OK520530000190_00	Minnehaha Creek	R	8	3	2018		X	X							X				X	X			X
OK520600010010_00	Canadian River	R	39	5		2005	A	N			I				I			N	I				N
OK520600010020_00	Arbeca Creek	R	6	3	2018		X	X							X			X					X
OK520600010030_00	Cotton Creek	R	7	3	2018		X	X							X			X					X
OK520600010040_00	Clear Creek	R	6	3	2018		I	I							I			X	I				I
OK520600010050_00	Barret Branch	R	3	3	2018		X	X							X			X					X
OK520600010060_00	Factory Creek	R	6	5		2008	A	A							A			N	I				I
OK520600010070_00	Rock Creek	R	3	3	2018		X	I							I			X					I

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OK520600010080_00	Jumper Creek	R	7	2	2018		I	I		A					I			X					I
OK520600010090_00	Jumper Creek	R	4	3	2018		I	I							I			X	I				I
OK520600010100_00	Konawa Lake	L	1,350	3	2018		I	I							I			I	I				I
OK520600010110_00	Negro Creek	R	5	3	2018		X	X							X			X					X
OK520600010120_00	Canadian Sandy Creek	R	1	3	2018		X	X							X			X	X				X
OK520600020010_00	Canadian River	R	25	5		2005	A	N							I			X	I				I
OK520600020020_00	Turkey Creek	R	5	3	2018		X	X							X			X					X
OK520600020030_00	Grayson Creek	R	4	3	2018		X	X							X			X					X
OK520600020040_00	Buckhorn Creek	R	5	3	2018		I	I							I			X	I				I
OK520600020050_00	Bebee Creek	R	4	5		2008	N	N							I			X	I				I
OK520600020060_00	Slush Pit Creek	R	3	3	2018		X	X							X			X					X
OK520600020065_00	H2S Creek	R	3	3	2018		X	X							X			X					X
OK520600020070_00	Maxwell Creek	R	4	3	2018		X	X							X			X					X
OK520600020080_00	Reserve Pit Creek	R	2	3	2018		X	X							X			X					X
OK520600020100_00	Leach Field Creek	R	2	3	2018		X	X							X			X					X
OK520600020110_00	Hutchinson Creek	R	3	3	2018		X	X							X			X					X
OK520600020120_00	Young Creek	R	4	3	2018		X	X							X			X					X
OK520600020130_00	Preacher Creek	R	5	3	2018		X	X							X			X					X
OK520600020140_00	Big Creek	R	11	3	2018		X	X							X			X					X
OK520600020150_00	Chism Creek	R	5	3	2018		X	X							X			X					X
OK520600020160_00	Asher Creek	R	4	3	2018		X	X							X			X					X
OK520600020170_00	Julian Creek	R	6	5		2008	A	N							I		I	N	I				I
OK520600020180_00	Constantine Creek	R	7	3	2018		X	X							X			X					X
OK520600020190_00	Pond Creek	R	20	3	2018		I	I							I			X	I				I
OK520600020200_00	Hog Creek	R	6	3	2018		X	X							X			X					X
OK520600020205_00	Red Spring's Creek	R	2	5		2008	A	N							I			X	I				I
OK520600020210_00	Jumper Creek	R	2	3	2018		I	I							I			X	I				I
OK520600020220_00	Pond Creek, East	R	4	3	2018		X	X							X			X					X
OK520600020230_00	Helsel Creek	R	2	3	2018		I	I							I			X	I				I
OK520600020240_00	Dahlgren Lake	L	40	3	2018		X	X							X			X					X

OKWBID	NAME	TYPE	SIZE (Lake Acres or Stream Miles)	CATEGORY	Monitoring Date	TMDL Date	Aesthetics	Agriculture	Cool Water Aquatic Community	Emergency Water Supply	Fish Consumption	Habitat Limited Aquatic Community	High Quality Water	Hydropower Generation	Industry	Navigation	Outstanding Resource	Primary Contact (Recreation)	Public/Private Water Supply	Secondary Contact (Recreation)	Sensitive Water Supply	Trout Fishery	Warm Water Aquatic Community
OK520600030010_00	Canadian Sandy Creek	R	38	3	2008		X	X							X			X	X				I
OK520600030020_00	Little Sandy Creek	R	9	3	2018		X	X							X			X					X
OK520600030030_00	Spring Brook	R	27	5		2008	A	A							A			N	X				N
OK520600030040_00	Black Creek	R	6	3	2018		X	X							X			X					X
OK520600030050_00	Rodtky Creek (Bodky)	R	9	3	2018		X	X							X			X	X				X
OK520600030060_00	Days Creek	R	2	3	2018		X	X							X			X					X
OK520600030070_00	Days Creek, East	R	7	3	2018		X	X							X			X					X
OK520600030080_00	Days Creek, West	R	6	3	2018		X	X							X			X					X
OK520600030090_00	Coon Creek	R	6	3	2018		X	X							X			X					X
OK520600030100_00	Burris Creek	R	7	3	2018		X	X							X			X					X
OK520600030110_00	Coon Creek	R	5	3	2018		X	X							X			X					X
OK520600030120_00	Little Canadian Sandy Creek	R	8	3	2018		X	X							X			X	X				X
OK520610010010_00	Canadian River	R	45	5		2005	I	N			I	N			X					N			
OK520610010010_10	Canadian River	R	12	3	2021		X	X			X	X			X					X			
OK520610010010_20	Canadian River	R	7	3	2021		X	X			X	X			X					X			
OK520610010020_00	Buckhead Creek	R	15	3	2021		X	X				X			X					X			
OK520610010030_00	Little Buckhead Creek	R	5	3	2021		X	X							X			X					X
OK520610010060_00	Bell Mere Creek	R	1	3	2021		X	X							X			X					X
OK520610010070_00	Bell Mere Lake	L	13	3	2021		X	X							X			X					X
OK520610010080_00	Willow Creek	R	9	5		2008	A	A							A			N					N
OK520610010090_00	Willow Creek, West	R	6	3	2021		X	X							X			X					X
OK520610010100_00	Willow Creek, East	R	3	3	2021		X	X							X			X					X
OK520610010120_00	Chouteau Creek	R	9	3	2021		X	X							X			X					X
OK520610010130_00	Dripping Springs Creek	R	5	3	2021		X	X							X			X					X
OK520610010140_00	Boone Creek	R	1	3	2021		X	X							X			X					X
OK520610010150_00	Boone Creek, East Branch	R	3	3	2021		X	X							X			X					X
OK520610010160_00	Boone Creek, West Branch	R	3	3	2021		X	X							X			X					X
OK520610010180_00	Bishop Creek	R	8	5		2008	I	I							X			N					N

OKWBID	NAME	TYPE	SIZE (Lake Acres or Stream Miles)	CATEGORY	Monitoring Date	TMDL Date	Aesthetics	Agriculture	Cool Water Aquatic Community	Emergency Water Supply	Fish Consumption	Habitat Limited Aquatic Community	High Quality Water	Hydropower Generation	Industry	Navigation	Outstanding Resource	Primary Contact (Recreation)	Public/Private Water Supply	Secondary Contact (Recreation)	Sensitive Water Supply	Trout Fishery	Warm Water Aquatic Community
OK520610010190_00	Imhoff Creek	R	4	3	2021		X	X							X			X					X
OK520610010200_00	Merkle Creek	R	5	2	2011		A	A							A			X	I				A
OK520610010210_00	Pond Creek	R	8	3	2011		I	I							X			X	X				I
OK520610010215_00	Tim's Creek	R	2	3	2021		X	X							X			X					X
OK520610010220_00	Lost Creek	R	2	3	2021		X	X							X			X					X
OK520610010230_00	Cow Creek	R	7	3	2005		I	I							X			X	X				I
OK520610020010_00	Canadian River	R	20	3	2011		X	X				X			X					X			
OK520610020020_00	Coal Creek	R	7	3	2021		X	X							X			X					X
OK520610020030_00	Worley Creek	R	9	3	2021		X	X							X			X					X
OK520610020040_00	East Creek	R	11	3	2021		X	X							X			X					X
OK520610020050_00	Bennett Creek	R	4	3	2021		X	X							X			X	X				X
OK520610020060_00	Foreman Creek	R	5	3	2021		X	X							X			X					X
OK520610020070_00	Dry Creek	R	8	3	2021		X	X							X			X	X				X
OK520610020080_00	Store Creek	R	6	3	2021		X	X							X			X	X				X
OK520610020090_00	West Creek	R	5	3	2021		X	X				X			X					X			
OK520610020100_00	Snake Creek	R	7	3	2021		X	X							X			X					X
OK520610020110_00	Beaver Creek	R	9	3	2021		X	X							X			X					X
OK520610020120_00	Buggy Creek	R	27	5		2008	A	A		A					A			N					N
OK520610020130_00	Fisher Creek	R	3	3	2021		X	X							X			X					X
OK520610020140_00	Bullet Creek	R	3	3	2021		X	X							X			X					X
OK520610020150_00	Canadian River	R	39	5		2005	I	N		A	I				I			N					I
OK520610020160_00	Arapaho Creek	R	8	3	2021		X	X							X			X					X
OK520610020165_00	Trib8	R	4	5		2008	A	N			I				I			X					N
OK520610020170_00	Tall Bear Canyon Creek	R	5	3	2021		X	X							X			X					X
OK520610020180_00	Cedar Lake Creek	R	3	3	2021		X	X							X			X					X
OK520610020185_00	Shadow creek	R	3	3	2021		X	X							X			X					X
OK520610020190_00	Cedar Lake	L	62	3	2021		X	X							X			X					X
OK520610020200_00	Powder Face Creek	R	8	3	2021		I	I							X			X					I
OK520610020210_00	Canyon View Creek	R	7	3	2021		X	X							X			X					X
OK520610020220_00	Fisher Canyon Creek	R	6	3	2021		X	X							X			X					X

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OK520610030010_00	Walnut Creek	R	28	2	2021		A	A							A			I					I
OK520610030040_00	Purcell Lake	L	158	2	2011		A	I							I			I					I
OK520610030050_00	Red Blanket Creek	R	5	3	2021		X	X							X			X					X
OK520610030060_00	Sandy Creek	R	6	3	2021		X	X							X			X					X
OK520610030070_00	Dibble Creek	R	9	3	2021		X	X							X			X					X
OK520610030080_00	Walnut Creek, North Fork	R	17	5		2008	A	A							A			N	I				N
OK520610030090_00	Stinson Creek	R	6	3	2021		X	X							X			X					X
OK520610030100_00	Bridge Creek	R	6	3	2021		X	X							X			X					X
OK520610030110_00	Buffalo Creek	R	5	3	2021		X	X							X			X					X
OK520610030120_00	Blanchard Creek	R	4	3	2021		X	X							X			X					X
OK520610030130_00	Airstrip Branch!	R	3	3	2021		X	I							I			X					I
OK520620010010_00	Canadian River	R	42	5		2008	I	I		A					X			N					I
OK520620010020_00	Lumpmouth Creek	R	10	3	2016		I	I							X			X					I
OK520620010030_00	Bridgeport Creek, East	R	7	3	2016		X	X							X			X					X
OK520620010040_00	Fire Canyon Creek	R	2	3	2016		X	X							X			X					X
OK520620010050_00	Bridgeport Creek, West	R	7	3	2016		X	X							X			X					X
OK520620010060_00	Lariat Creek	R	11	3	2016		X	X							X			X					X
OK520620010070_00	White Canyon Creek	R	5	3	2016		X	X							X			X					X
OK520620010090_00	American Horse Canyon Creek (American Horse)	R	6	3	2016		X	X							X			X					X
OK520620010100_00	American Horse Lake	L	100	5		2005	A	I							I			I					N
OK520620010110_00	Squaw Creek	R	9	3	2016		X	X							X			X					X
OK520620010120_00	Bear Creek	R	6	5		2008	A	A							A			N					I
OK520620010130_00	Whirlwind Creek	R	9	3	2016		X	X							X			X					X
OK520620010140_00	Fay Creek, East	R	6	3	2016		X	X							X			X					X
OK520620010150_00	Thomas Creek	R	6	3	2016		X	X							X			X					X
OK520620010160_00	Fay Creek, West	R	5	3	2016		X	X				X			X					X			
OK520620020010_00	Canadian River	R	39	5		2005	I	N		A	I				I			N					I
OK520620020020_00	Rough Creek	R	12	3	2016		X	X							X			X					X
OK520620020030_00	Big Baby Creek	R	10	3	2016		X	X							X			X					X

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OK520620020040_00	One Horse Creek	R	6	3	2016		X	X							X			X					X
OK520620020050_00	Oakwood Creek	R	8	3	2016		X	X							X			X					X
OK520620020060_00	Flanders Creek	R	5	5		2008	I	N							I			X	I				I
OK520620020070_00	Fiddlers Creek	R	7	5		2008	I	N							I			X	I				I
OK520620020080_00	Squirrel Creek	R	10	5		2008	I	N							I			X	I				I
OK520620020090_00	Trail Creek	R	14	5		2008	A	N							X			N					I
OK520620020100_00	Little Robe Creek	R	10	3	2016		I	I							X			X					I
OK520620020110_00	Taloga Creek, East	R	7	3	2016		X	X							X			X					X
OK520620020115_00	Aiko Creek	R	3	3	2016		X	X							X			X					X
OK520620020120_00	Taloha Creek, West	R	8	3	2016		X	X							X			X					X
OK520620020130_00	Hog Creek	R	3	3	2016		X	X							X			X					X
OK520620020140_00	Rawhide Creek	R	13	3	2016		X	X							X			X					X
OK520620020150_00	Sand Creek	R	6	3	2016		X	X							X			X					X
OK520620020160_00	Sorter Creek	R	9	3	2016		X	X							X			X					X
OK520620030010_00	Canadian River	R	38	5		2008	A	N		A					X			I					I
OK520620030020_00	Lone Creek	R	13	5		2008	I	N							I			N	I				I
OK520620030030_00	Panther Creek	R	5	3	2016		X	X							X			X					X
OK520620030040_00	Burnt Creek	R	7	3	2016		X	X							X			X					X
OK520620030050_00	Red Trail Creek	R	8	5		2008	A	N							X			N					N
OK520620030060_00	Mouse Hollow Creek	R	3	3	2016		X	X							X			X					X
OK520620030070_00	Bull Creek	R	6	3	2016		X	X							X			X					X
OK520620030080_00	Teepee Creek	R	8	3	2016		I	X							X			X	I				I
OK520620030090_00	Trail Creek	R	14	2	2016		X	X		A		X			X					X			
OK520620030100_00	Gyp Creek	R	8	3	2016		X	X							X			X	X				X
OK520620030110_00	Red Creek	R	12	5		2008	A	N							X			N	X				I
OK520620030120_00	Powwow Creek	R	14	3	2016		X	X							X			X					X
OK520620030130_00	Turkey Creek	R	18	3	2016		I	I							X			X	X				I
OK520620030140_00	Kyser Creek	R	6	3	2016		X	X							X			X					X
OK520620030150_00	Turkey Creek, South	R	15	3	2016		X	X							X			X	X				X
OK520620030160_00	Oats Canyon Creek	R	3	3	2016		X	X							X			X					X

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OK520620030170_00	Spring Canyon Creek	R	2	3	2016		X	X							X			X					X
OK520620030180_00	Piles Creek	R	3	3	2016		X	X							X			X					X
OK520620030190_00	Harsha Canyon Creek	R	2	3	2016		X	X							X			X					X
OK520620030200_00	Horse Canyon Creek (House Canyon)	R	3	3	2016		X	X							X			X					X
OK520620030210_00	Cinnamon Canyon Creek	R	4	3	2016		X	X							X			X					X
OK520620040010_00	Canadian River	R	18	2	2016		X	X		A					X			X					X
OK520620040020_00	Flying V Creek	R	12	3	2016		I	I							X			X					I
OK520620040030_00	Devil's Creek	R	4	3	2016		X	X							X			X					X
OK520620040040_00	Mott Creek	R	6	3	2016		X	X							X			X					X
OK520620040050_00	Hackberry Creek	R	16	5		2008	I	N							X			N	X				I
OK520620040060_00	Sand Creek	R	7	3	2016		X	X							X			X					X
OK520620040070_00	Richards Creek	R	3	3	2016		X	X							X			X					X
OK520620040080_00	Hackberry Creek, West	R	2	3	2016		X	X							X			X					X
OK520620040090_00	Black Bull Creek	R	3	3	2016		X	X							X			X					X
OK520620040100_00	Coon Creek	R	4	3	2016		X	X							X			X					X
OK520620040110_00	Spotted Deer Creek	R	3	3	2016		X	X							X			X					X
OK520620040120_00	Sourdough Creek	R	6	3	2016		X	X							X			X					X
OK520620040130_00	Boggy Creek	R	3	3	2016		X	X							X			X					X
OK520620040140_00	Trail Branch	R	4	3	2016		X	X							X			X					X
OK520620040150_00	S. A. Creek	R	5	3	2016		X	X							X			X					X
OK520620040160_00	Bois d' Arc Creek	R	5	3	2016		X	X							X			X					X
OK520620050010_00	Canadian River	R	34	2	2016		I	I		A					I			X					I
OK520620050020_00	Wagon Creek	R	6	3	2016		X	X							X			X					X
OK520620050030_00	West Creek	R	4	3	2016		X	X							X			X					X
OK520620050040_00	Packsaddle Creek	R	2	3	2016		X	X							X			X					X
OK520620050050_00	Packsaddle Lake	L	50	3	2016		X	X							X			X					X
OK520620050060_00	Cornell Creek	R	5	3	2016		X	X							X			X					X
OK520620050070_00	Bull Creek	R	6	3	2016		X	X							X			X					X
OK520620050080_00	Dugout Creek	R	7	3	2016		X	X							X			X					X

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OK520620050090_00	Cottonwood Creek	R	6	3	2016		X	X							X			X					X
OK520620050100_00	Little Turkey Creek	R	4	3	2016		X	X							X			X					X
OK520620050110_00	Mosquito Creek	R	5	3	2016		X	X							X			X	X				X
OK520620050120_00	Mosquito Creek	R	8	3	2016		X	X							X			X					X
OK520620050130_00	Arnett Creek	R	9	3	2016		X	X							X			X	X				X
OK520620050140_00	Red Bluff Creek	R	16	3	2016		X	X							X			X	X				X
OK520620050150_00	Red Bluff Creek, West	R	10	3	2016		X	X							X			X					X
OK520620050160_00	Commission Creek	R	13	5		2008	I	I							X			N	X				I
OK520620050170_00	Coon Creek	R	1	3	2016		X	X							X			X					X
OK520620050180_00	Hog Creek	R	9	3	2016		X	X							X			X					X
OK520620050190_00	Coon Creek	R	9	3	2016		X	X							X			X					X
OK520620050200_00	Lloyd Vincent Lake	L	160	2	2016		A	I							I			I					I
OK520620050210_00	Hog Creek, West	R	4	3	2016		X	X							X			X					X
OK520620050220_00	Little Robe Creek	R	11	3	2016		I	I							X			X					I
OK520620060010_00	Deer Creek	R	56	5		2005	I	N							I			N	I				I
OK520620060020_00	Dead Woman Creek	R	6	3	2016		X	X							X			X					X
OK520620060030_00	Cedar Canyon Creek	R	6	3	2016		X	X							X			X					X
OK520620060040_00	Little Deep Creek	R	13	3	2011		I	I				I			I			I					
OK520620060050_00	Sportsman Creek	R	1	3	2016		X	X							X			X					X
OK520620060060_00	Sportsman Lake	L	100	3	2016		X	X							X			X					X
OK520620060070_00	Little Deer Creek	R	15	5		2008	I	N							I			X	I				I
OK520620060080_00	Horse Creek	R	18	5		2008	I	N							I			X	I				I
OK520620060090_00	Putnam Creek	R	9	3	2016		X	X							X			X					X
OK520700010010_00	Canadian River, Deep Fork	R	5	3	2018		X	X							X			X	X				X
OK520700010020_00	Eufaula Lake, Canadian River, Deep Fork Arm, Lower	L	11,389	3	2018		X	X							X			X	X				X
OK520700010030_00	Onapa Creek (Checota)	R	0	3	2018		X	X							X			X					X
OK520700010040_00	Onapa Lake (Checotah Municipal)	L	70	3	2018		X	X							X			X					X

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OK520700010060_00	Canadian River, Deep Fork	R	18	3	2018		X	X							X			X	X				X
OK520700010070_00	Eufaula Lake, Canadian River, Deep Fork Arm, Upper	L	11,389	3	2018		X	X							X			X	X				X
OK520700010080_00	Gentry Creek	R	12	3	2008		I	X							X			X					I
OK520700010090_00	Snake Creek	R	5	3	2018		X	X							X			X					X
OK520700010110_00	Grave Creek	R	16	5		2006	A	N							I			X	I				A
OK520700010120_00	Canadian River, Deep Fork	R	35	3	2018		X	X							X			X	X				X
OK520700010130_00	Wolf Creek	R	3	3	2018		X	X							X			X					X
OK520700010140_00	Coal Creek	R	22	2	2008		X	X		A					X					X			X
OK520700010150_00	Nichols Creek	R	3	3	2018		X	X							X			X					X
OK520700010160_00	Nichols Lake	L	25	3	2018		X	X							X			X					X
OK520700010170_00	Wolf Creek	R	15	3	2008		X	X							X			X	X		X		X
OK520700010180_00	Henryetta Lake	L	450	5		2005	A	I							I			I	I				N
OK520700010190_00	Moore Creek	R	10	3	2018		X	X							X			X					X
OK520700010200_00	Flag Creek	R	2	3	2018		X	X							X			X					X
OK520700010210_00	Flag Lake	L	100	3	2018		X	X							X			X					X
OK520700010220_00	Montezuma Creek	R	22	3	2018		X	X							X			X					X
OK520700010230_00	Burgess Creek	R	7	2	2018		X	X		A					X			X					X
OK520700010240_00	Fourmile Creek	R	8	3	2018		X	X							X			X					X
OK520700010250_00	Cossetta Creek (Cussetah)	R	13	3	2018		X	X							X			X					X
OK520700010260_00	Long Branch	R	9	3	2018		X	X							X			X					X
OK520700010270_00	Morris Creek	R	3	3	2018		X	X							X			X					X
OK520700010280_00	Morris Lake	L	38	3	2018		X	X							X			X					X
OK520700010290_00	Okmulgee Creek	R	15	2	2008		A	A							A			X	A				A
OK520700010300_00	Honey Creek	R	7	3	2018		X	X							X			X					X
OK520700020010_00	Canadian River, Deep Fork	R	43	5		2005	I	A			I				A			N	I				N
OK520700020020_00	Salt Creek	R	6	3	2018		X	X							X			X	X				X

OKWBID	NAME	TYPE	SIZE (Lake Acres or Stream Miles)	CATEGORY	Monitoring Date	TMDL Date	Aesthetics	Agriculture	Cool Water Aquatic Community	Emergency Water Supply	Fish Consumption	Habitat Limited Aquatic Community	High Quality Water	Hydropower Generation	Industry	Navigation	Outstanding Resource	Primary Contact (Recreation)	Public/Private Water Supply	Secondary Contact (Recreation)	Sensitive Water Supply	Trout Fishery	Warm Water Aquatic Community
OK520700020030_00	Salt Creek	R	3	3	2018		X	X							X			X	X		X		X
OK520700020040_00	Okmulgee Lake	L	668	5		2007	A	I							I			I	I				N
OK520700020050_00	Salt Creek	R	14	3	2018		X	X							X			X	X		X		X
OK520700020060_00	Dripping Springs Lake (Salt Creek Structure 1)	L	1,150	2	2018		A	I							I			I	X		X		I
OK520700020070_00	Negro Creek	R	3	3	2018		X	X							X			X					X
OK520700020080_00	Adams Creek	R	14	5		2006	I	A							A			X					N
OK520700020090_00	Flat Rock Creek	R	3	3	2018		X	X							X			X	X				X
OK520700020100_00	Beggs Creek, West	R	5	2	2018		X	X		A					X			X					X
OK520700020110_00	Beggs Lake	L	80	3	2018		X	X							X			X					X
OK520700020120_00	Beggs Creek, East	R	4	3	2018		X	X							X			X					X
OK520700020130_00	New Beggs Lake	L	56	3	2018		X	X							X			X					X
OK520700020140_00	Little Nuyaka Creek	R	9	3	2018		X	X							X			X					X
OK520700020150_00	Salt Creek	R	10	5		2006	I	N							X			X					N
OK520700020155_00	Begger Creek	R	2	5		2006	A	N							I			X	I				I
OK520700020160_00	Tiger Creek	R	7	3	2018		X	X							X			X					X
OK520700020170_00	Checkerboard Creek	R	8	3	2018		X	X							X			X					X
OK520700020180_00	Park Wheeler Creek	R	5	3	2018		X	X							X			X					X
OK520700020200_00	Nuyaka Creek	R	22	5		2006	I	I							X			X	X				N
OK520700020210_00	Brier Creek	R	6	3	2018		X	X							X			X					X
OK520700020220_00	Little Brier Creek	R	3	3	2018		X	X							X			X					X
OK520700020230_00	Sixshooter Creek	R	7	3	2018		X	X							X			X					X
OK520700020240_00	Cow Creek	R	7	3	2018		X	X							X			X					X
OK520700020250_00	Philadelphia Creek	R	6	3	2018		X	X							X			X					X
OK520700020260_00	Hopper Creek	R	7	3	2018		X	X							X			X					X
OK520700020270_00	Buckeye Creek	R	2	3	2018		X	X							X			X	X				X
OK520700020280_00	Buckeye Creek	R	16	3	2018		X	X							X			X	X				X
OK520700020290_00	Okemah Lake	L	761	2	2008		A	I							I			I	I		X		I
OK520700020300_00	Yhola Creek	R	3	3	2018		X	X							X			X	X		X		X
OK520700020310_00	Klutts Lake	L	40	3	2018		X	X							X			X					X

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OK520700030010_00	Canadian River, Deep Fork	R	47	2	2018		A	A							A			X	I				A
OK520700030020_00	Walnut Creek	R	15	5		2006	I	A							A			X					N
OK520700030030_00	Little Walnut Creek	R	7	3	2018		X	X							X			X					X
OK520700030040_00	Sandy Creek	R	5	3	2018		I	I							X			X					I
OK520700030050_00	Sandy Creek, East Fork	R	6	3	2018		X	X							X			X					X
OK520700030060_00	Sandy Creek, West Fork	R	8	3	2018		X	X							X			X					X
OK520700030070_00	Wolfe Creek	R	6	3	2018		X	X							X			X					X
OK520700030080_00	Welty Creek	R	3	3	2018		X	X							X			X					X
OK520700030090_00	Clifty Creek	R	3	3	2018		X	X							X			X					X
OK520700030100_00	Salt Creek	R	22	2	2008		I	A							A			X	A				I
OK520700030110_00	Bachelor Creek	R	5	3	2018		X	X							X			X					X
OK520700030120_00	Gypsy Creek	R	7	3	2018		X	X							X			X					X
OK520700030130_00	Junction Creek	R	6	3	2018		X	X							X			X					X
OK520700030140_00	Little Creek	R	2	3	2018		X	X							X			X					X
OK520700030150_00	Pickle Creek	R	4	3	2018		X	X							X			X					X
OK520700030160_00	Big Pond Creek	R	3	3	2018		X	X							X			X					X
OK520700030170_00	Ritts Junction Creek	R	6	3	2018		X	X							X			X					X
OK520700030180_00	Hickory Creek	R	2	3	2018		X	X							X			X					X
OK520700030190_00	Sunny Slope Creek, North	R	4	3	2018		X	X							X			X					X
OK520700030200_00	Sunny Slope Creek, South	R	3	3	2018		X	X							X			X					X
OK520700030210_00	Milfay Creek	R	4	3	2018		X	X							X			X					X
OK520700030220_00	Camp Creek	R	6	3	2008		I	I							X			X	X				I
OK520700030230_00	Camp Creek	R	8	3	2008		X	X							X			X	X		X		X
OK520700030240_00	Stroud Lake	L	600	2	2008		A	I							I			I	I				I
OK520700030250_00	Lilly Creek	R	4	3	2018		X	X							X			X					X
OK520700030260_00	Spring Creek	R	7	3	2018		X	X							X			X					X
OK520700030270_00	Hilliby Creek	R	13	5		2006	I	I							X			X					N
OK520700030280_00	Harrican Creek	R	4	3	2018		X	X							X			X					X
OK520700030290_00	Little Hilliby Creek	R	4	3	2018		X	X							X			X					X

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OK520700030300_00	Pettiquah Creek	R	11	3	2018		X	X							X			X					X
OK520700030310_00	Uchee Creek	R	6	3	2018		X	X							X			X					X
OK520700030320_00	Todd Creek	R	1	3	2018		X	X							X			X					X
OK520700030330_00	Barby Creek	R	5	3	2018		X	X							X			X					X
OK520700030340_00	Todd Lake	L	1	3	2018		X	X							X			X					X
OK520700040010_00	Canadian River, Deep Fork	R	17	5		2005	I	A			I				A			N	I				N
OK520700040020_00	Dry Creek	R	28	3	2008		X	X							X			X	X				I
OK520700040025_00	Bell Cow Lake	L	1,113	3	2018		X	X							X			X					X
OK520700040030_00	Gray Horse Creek	R	4	3	2018		X	X				X			X					X			
OK520700040040_00	Wild Horse Creek	R	5	3	2018		X	X							X			X					X
OK520700040050_00	Dosie Creek	R	9	3	2018		X	X							X			X					X
OK520700040060_00	Chuckaho Creek	R	10	3	2018		X	X							X			X					X
OK520700040070_00	Davenport Creek	R	2	3	2018		X	X							X			X					X
OK520700040080_00	Davenport Lake	L	7	3	2018		X	X							X			X					X
OK520700040090_00	Possum Trot Creek	R	3	3	2018		X	X							X			X					X
OK520700040100_00	Ranch Creek	R	12	3	2018		X	X							X			X					X
OK520700040110_00	Fourmile Creek	R	8	3	2018		X	X							X			X					X
OK520700040120_00	Ranch Creek, North Branch	R	4	3	2018		X	X							X			X					X
OK520700040130_00	Spring Creek	R	2	3	2018		X	X							X			X					X
OK520700040140_00	Turkey Creek	R	1	3	2018		X	X							X			X					X
OK520700040150_00	Beaver Creek	R	1	3	2018		X	X							X					X			X
OK520700040160_00	Beaver Creek, East	R	9	3	2018		X	X							X			X					X
OK520700040170_00	Beaver Creek, West	R	8	3	2018		X	X							X					X			X
OK520700040180_00	Robinson Creek	R	18	3	2018		X	X							X			X	X				X
OK520700040190_00	Deer Creek	R	20	3	2018		X	X							X			X	X				X
OK520700040200_00	Warsham Creek	R	5	3	2018		X	X							X			X					X
OK520700040210_00	Sand Creek	R	5	3	2018		X	X							X			X					X
OK520700040220_00	Prague Lake	L	225	5		2005	A	I							I			I					N

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OK520700040230_00	Clark Creek	R	3	3	2018		X	X							X			X					X
OK520700040260_00	Quapaw Creek	R	27	3	2018		X	X							X			X	X				X
OK520700040270_00	Sparks Creek	R	1	3	2018		X	X							X			X					X
OK520700040280_00	Sparks Lake	L	1	3	2018		X	X							X			X					X
OK520700040290_00	Hogshooter Creek	R	3	3	2018		X	X							X			X					X
OK520700040300_00	Breakfast Creek	R	5	3	2018		X	X							X			X					X
OK520700040310_00	Spring Creek	R	4	3	2018		X	X							X			X					X
OK520700040320_00	Little Sand Creek	R	8	3	2018		X	X							X			X					X
OK520700040330_00	Clear Creek	R	2	3	2018		X	X							X			X					X
OK520700040340_00	Sand Creek	R	5	3	2018		X	X							X			X					X
OK520700040350_00	Quapaw Creek, South	R	4	3	2018		X	X							X			X					X
OK520700040360_00	Quapaw Creek, South	R	6	3	2008		X	X							X			X	X		X		X
OK520700040370_00	Meeker Lake	L	250	5		2006	A	I							I			I	I				N
OK520700040380_00	Coon Creek	R	4	3	2018		X	X							X			X					X
OK520700040390_00	Wildhorse Creek	R	6	3	2018		X	X							X			X					X
OK520700040400_00	Brush Creek	R	7	3	2018		X	X							X			X					X
OK520700050010_00	Canadian River, Deep Fork	R	26	2	2018		A	A							A			X	I				A
OK520700050020_00	Bellcow Creek	R	6	3	2018		X	X							X			X	X				X
OK520700050030_00	Bellcow Creek	R	14	3	2018		X	X							X			X	X				X
OK520700050040_00	Bellcalf Creek	R	1	3	2018		X	X							X			X					X
OK520700050050_00	Bellcalf Creek	R	1	3	2018		X	X							X			X	X		X		X
OK520700050060_00	Chandler Lake	L	129	5		2005	I	I							I			I	I				N
OK520700050070_00	Otoe Creek	R	4	3	2018		X	X							X			X					X
OK520700050080_00	Bellcow Creek, North	R	5	5		2006	N	X							X			X					N
OK520700050090_00	Kickapoo Creek	R	6	3	2018		X	X							X			X	X				X
OK520700050100_00	Rat Creek	R	5	3	2018		X	X							X			X					X
OK520700050110_00	Pecan Creek	R	7	3	2018		X	X							X			X					X
OK520700050120_00	Spring Creek	R	8	3	2018		X	X							X			X					X
OK520700050130_00	Eagle Creek	R	8	3	2018		X	X							X			X					X

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OK520700050140_00	Captain Creek	R	4	5		2006	A	A							A			N	X				N
OK520700050150_00	Captain Creek, East	R	8	3	2018		X	X							X			X	X				X
OK520700050160_00	Captain Creek, West	R	9	3	2018		X	X							X			X					X
OK520700050170_00	Bear Creek	R	26	3	2018		X	X							X			X	X				X
OK520700050180_00	Grant Creek	R	3	3	2018		X	X							X			X					X
OK520700050190_00	Blue Creek	R	3	3	2018		X	X							X			X					X
OK520700050200_00	Opossum Creek	R	7	5		2006	A	A							A			I					N
OK520700050210_00	Fall Creek	R	7	3	2018		X	X							X			X					X
OK520700050220_00	Wildhorse Creek	R	10	3	2018		X	X							X			X					X
OK520700050230_00	Wildhorse Creek, East Fork	R	2	3	2018		X	X							X			X					X
OK520700050240_00	Wildhorse Creek, West Fork	R	4	3	2018		X	X							X			X					X
OK520700050250_00	Chandler Lake, NW Trib!	R	2	5		2018	X	X							X			X					N
OK520700060010_00	Little Deep Fork Creek	R	20	5		2006	A	A			I				A			I					N
OK520700060020_00	Comelys Branch	R	4	3	2018		X	X							X			X					X
OK520700060030_00	Frank Henry Creek	R	7	3	2018		X	X							X			X					X
OK520700060040_00	McKennon Creek	R	3	3	2018		X	X							X			X					X
OK520700060050_00	Browns Creek	R	14	5		2006	I	A							A			X					N
OK520700060060_00	Turkey Creek	R	11	3	2018		I	I							X			X					I
OK520700060070_00	Chicken Creek	R	8	3	2018		X	X							X			X					X
OK520700060080_00	Skull Creek	R	7	3	2018		I	I							X			X					I
OK520700060090_00	Morgan Creek	R	3	3	2018		X	X							X			X					X
OK520700060100_00	Little Deep Fork Creek	R	2	3	2018		X	X							X			X					X
OK520700060110_00	Sand Creek	R	9	3	2018		X	I							X			X					I
OK520700060120_00	Rock Creek	R	8	3	2018		I	I							X			X					I
OK520700060130_00	Little Deep Fork Creek	R	5	3	2018		X	X							X			X	X				X
OK520700060130_10	Little Deep Fork Creek	R	24	5		2009	A	A							A			N	X				N
OK520700060140_00	Catfish Creek	R	10	5		2006	A	N							X			X					N
OK520700060150_00	Massena Creek	R	1	3	2018		X	X							X			X					X

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OK520700060160_00	Massena Lake	L	90	3	2018		X	X							X			X					X
OK520700060170_00	Little Catfish Creek	R	7	3	2018		X	X							X			X					X
OK520700060180_00	Swan Creek	R	3	3	2018		X	X							X			X					X
OK520700060190_00	Spring Creek	R	2	3	2018		I	I							X			X					I
OK520700060200_00	Spring Creek, East	R	9	3	2018		I	I							X			X					I
OK520700060210_00	Spring Creek, West	R	7	5		2006	I	N							I			X	I				I
OK520710010010_00	Canadian River, Deep Fork	R	8	3	2008		X	X							X			X	X				I
OK520710010020_00	Smith Creek	R	6	3	2018		X	X				X			X			X	X				
OK520710010030_00	Coon Creek	R	12	5		2006	I	I							X			I					N
OK520710010040_00	Hiwassee Creek	R	4	3	2018		X	X							X			X					X
OK520710010050_00	Hiwassee Lake	L	132	3	2018		X	X							X			X					X
OK520710010060_00	Soldier Creek	R	5	3	2018		X	X							X			X					X
OK520710010070_00	Opossum Creek	R	3	3	2018		X	X							X			X					X
OK520710010080_00	Canadian River, Deep Fork	R	1	3	2018		X	X							X			X	X				X
OK520710010090_00	Coffee Creek	R	5	3	2018		X	X							X			X	X				X
OK520710010100_00	Coffee Creek	R	5	3	2018		I	I							X			X	X				I
OK520710010110_00	Cowbell Creek	R	5	3	2018		X	X							X			X					X
OK520710010120_00	Peavine Creek	R	5	3	2018		X	X							X			X					X
OK520710020010_00	Canadian River, Deep Fork	R	10	3	2018		X	X							X			X	X		X		X
OK520710020020_00	Arcadia Lake	L	1,820	2	2008		A	I							I			I	I				I
OK520710020030_00	Spring Creek	R	8	5		2006	I	I							X			N	X		X		I
OK520710020040_00	Tinker Creek	R	3	3	2018		X	X							X			X	X		X		X
OK520710020050_00	Wynn Creek	R	6	3	2018		X	X							X			X	X		X		X
OK520710020060_00	Canadian River, Deep Fork	R	10	5		2006	A	A							A			N	X		X		I
OK520710020070_00	Britton Creek	R	5	3	2018		X	X							X			X	X		X		X
OK520710020080_00	Aluma Creek	R	2	3	2018		X	X							X			X	X		X		X
OK520710020090_00	Aluma Lake	L	13	3	2018		X	X							X			X					X

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OK520710020100_00	Forest Park Creek	R	3	3	2018		X	X							X			X	X		X		X
OK520710020110_00	Northeast Creek	R	3	3	2018		X	X							X			X	X		X		X
OK520710020120_00	Northeast Lake (Zoo)	L	29	3	2018		X	X							X			X					X
OK520710020130_00	Springlake Creek	R	2	3	2018		X	X							X			X	X		X		X
OK520710020140_00	Guy James Creek	R	2	3	2018		X	X							X			X	X		X		X
OK520710020150_00	Nichols Creek	R	1	3	2018		X	X							X			X	X		X		X
OK520710020160_00	Belle Isle Creek	R	2	3	2018		X	X							X			X	X		X		X
OK520800010010_00	Little River	R	25	5		2005	I	A			I				A			N	I				N
OK520800010020_00	Bemore Creek	R	1	3	2018		X	X							X			X	X		X		X
OK520800010030_00	Bemore Creek	R	3	3	2018		X	X							X			X	X		X		X
OK520800010040_00	Holdenville Lake	L	550	2	2018		A	I							I			I	I		X		I
OK520800010050_00	Bird Creek	R	14	5		2006	I	I				N			I					I			
OK520800010055_00	Kight Creek	R	4	5		2006	A	N							I			X	I				I
OK520800010060_00	Cudjo Creek	R	6	5		2018	A	N							I			X	I				I
OK520800010062_00	Bear Cub Creek	R	4	5		2006	A	A							A			X					N
OK520800010070_00	Sand Creek	R	6	3	2018		X	X							X			X					X
OK520800010080_00	Rock Creek	R	5	3	2018		X	X							X			X					X
OK520800010090_00	Little River	R	28	5		2006	I	N							I			X	I				I
OK520800010110_00	Tate Mountain Creek	R	4	3	2018		X	X							X			X					X
OK520800010120_00	Trib 9	R	5	3	2018		X	X							X			X					X
OK520800010130_00	Little River	R	17	3	2018		I	I							I			X	I				I
OK520800010140_00	Mini Creek	R	3	3	2018		X	X							X			X					X
OK520800010160_00	Rogers Creek	R	2	3	2018		X	X							X			X					X
OK520800010170_00	Brier Creek	R	9	3	2018		X	X							X			X					X
OK520800010180_00	Tyner Creek	R	3	3	2018		X	X							X			X					X
OK520800010190_00	Tecumseh Creek, South	R	5	3	2018		X	X							X			X					X
OK520800020010_00	Little River	R	21	3	2018		X	X							X			X	X				X
OK520800020020_00	Dance Creek	R	10	3	2018		X	X							X			X					X
OK520800020030_00	Morvin Creek	R	4	3	2018		X	X							X			X					X
OK520800020040_00	Sand Creek	R	3	3	2018		X	X							X			X					X

OKWBID	NAME	TYPE	SIZE (Lake Acres or Stream Miles)	CATEGORY	Monitoring Date	TMDL Date	Aesthetics	Agriculture	Cool Water Aquatic Community	Emergency Water Supply	Fish Consumption	Habitat Limited Aquatic Community	High Quality Water	Hydropower Generation	Industry	Navigation	Outstanding Resource	Primary Contact (Recreation)	Public/Private Water Supply	Secondary Contact (Recreation)	Sensitive Water Supply	Trout Fishery	Warm Water Aquatic Community
OK520800020050_00	Coon Creek	R	5	3	2018		X	X							X			X					X
OK520800020060_00	Council Creek	R	7	3	2018		X	X							X			X					X
OK520800020070_00	Jim Creek	R	8	3	2018		X	X							X			X					X
OK520800020080_00	Pecan Creek	R	11	3	2018		X	X							X			X					X
OK520800020090_00	Bullfrog Creek	R	5	3	2018		X	X							X			X					X
OK520800020100_00	Spring Creek	R	8	3	2018		X	X							X			X					X
OK520800020110_00	Bourbonais Creek	R	4	3	2018		X	X							X			X					X
OK520800020120_00	Roulette Creek	R	5	3	2018		X	X							X			X					X
OK520800020130_00	Prairie Creek	R	8	3	2018		X	X							X			X					X
OK520800030010_00	Salt Creek	R	39	5		2008	I	N							I			X	I				I
OK520800030020_00	Sandy Creek	R	6	3	2018		I	I							I			X	I				I
OK520800030030_00	Mud Creek	R	9	3	2018		X	X							X			X					X
OK520800030040_00	Maud Creek	R	7	3	2018		X	X							X			X					X
OK520800030060_00	Katy Lake	L	11	3	2018		X	X							X			X					X
OK520800030070_00	Bruno Creek	R	10	5		2006	I	N							I			X	I				I
OK520800030080_00	Popshego Creek	R	4	5		2006	A	N							I			X					I
OK520800030090_00	Marcum Creek	R	6	3	2018		X	X							X			X					X
OK520800030100_00	Sand Creek	R	4	3	2018		X	X							X			X					X
OK520800030110_00	Box Creek	R	3	3	2018		X	X							X			X					X
OK520800030120_00	Blacksmith Creek	R	6	5		2006	A	N							I			X	I				A
OK520800030130_00	Opossum Creek	R	4	3	2018		X	X							X			X					X
OK520800030140_00	Delaware Creek	R	2	3	2018		X	X							X			X					X
OK520800030150_00	Cottonwood Creek	R	6	3	2018		X	X							X			X					X
OK520800030160_00	Wolf Creek	R	2	3	2018		X	X							X			X					X
OK520810000010_00	Little River	R	6	3	2018		X	X										X	X		X		X
OK520810000020_00	Thunderbird Lake	L	6,070	5		2006	A	I										I	I		X		N
OK520810000030_00	Hog Creek	R	18	3	2008		I	I										X	X		X		I
OK520810000040_00	Hog Creek, West Branch	R	4	3	2018		X	X										X	X		X		X
OK520810000050_00	Clear Creek	R	6	3	2018		X	X										X	X		X		X
OK520810000060_00	Dave Blue Creek	R	9	3	2018		X	X										X	X		X		X

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OK520810000070_00	Jim Blue Creek	R	5	3	2018		X	X										X	X		X		X
OK520810000080_00	Little River	R	22	3	2008		X	X										X	X		X		X
OK520810000090_00	Rock Creek	R	7	3	2018		X	X										X	X		X		X
OK520810000100_00	Elm Creek	R	1	5		2006	A	N										N	X		X		I
OK520810000110_00	Elm Creek, East	R	4	3	2018		X	X										X	X		X		X
OK520810000120_00	Elm Creek, East	R	4	3	2018		X	X										X	X		X		X
OK520810000130_00	Stanley Draper Lake	L	2,900	5		2006	A	I										I	X		X		N
OK520810000140_00	Elm Creek, West	R	8	3	2018		X	X										I	X		X		I
OK520810000150_00	Kitchen Creek	R	6	3	2018		X	X										X	X		X		X
OK520810000160_00	Kitchen Lake	L	25	3	2018		X	X							X			X					X
OK520810000170_00	Little River, North Fork	R	9	3	2018		X	X										X	X		X		X
OK520810000175_00	Moore Creek	R	5	5		2006	A	N							I			X	A				I
OK520810000180_00	Mussel Shoals Lake Creek	R	1	3	2018		X	X										X	X		X		X
OK520810000190_00	Mussel Shoals Lake	L	70	3	2018		X	X							X			X					X
OK620900010010_00	Cimarron River	R	4	2	2012		X	X		A					X			X					I
OK620900010020_00	Keystone Lake, Cimarron River Arm, Lower	L	5,903	2	2012		X	X		A					X			X					I
OK620900010030_00	Salt Creek	R	10	3	2017		X	X							X			X					X
OK620900010040_00	Little Salt Creek	R	7	3	2017		X	X							X			X					X
OK620900010050_00	Mannford Lake	L	191	2	2017		X	X		A					X			X					X
OK620900010060_00	Manford Creek	R	4	3	2017		X	X							X			X					X
OK620900010070_00	Fish Creek	R	3	3	2017		X	X							X			X					X
OK620900010080_00	Cimarron River	R	23	2	2012		X	X		A					X			X					I
OK620900010090_00	Keystone Lake, Cimarron River Arm, Upper	L	5,903	2	2012		X	X		A					X			X					I
OK620900010100_00	House Creek	R	15	3	2017		X	X							X			X					X
OK620900010110_00	Terlton Creek	R	5	3	2017		X	X							X			X					X
OK620900010120_00	Hallett Creek	R	6	3	2017		X	X							X			X					X
OK620900010130_00	Jennings Creek	R	2	3	2017		X	X							X			X					X
OK620900010140_00	Cottonwood Creek	R	7	3	2012		I	I							I			X	I				I

A = Attaining I = Insufficient Data N = Not Attaining X = Not Assessed

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OK620900010150_00	Rocky Canyon Creek	R	4	3	2017		X	X							X			X					X
OK620900010160_00	Sand Creek	R	6	3	2017		X	X							X			X					X
OK620900010170_00	Cimarron River	R	2	3	2017		X	X		X	X				X			X					X
OK620900010170_10	Cimarron River	R	26	5		2005	I	A		A	I				A			N					N
OK620900010180_00	Lagoon Creek	R	25	5		2009	A	A							A			N					N
OK620900010190_00	Kenny Creek	R	6	3	2017		X	X							X			X					X
OK620900010200_00	Crystal Creek	R	5	3	2017		X	X							X			X					X
OK620900010210_00	Maramel Creek, South	R	5	3	2017		X	X							X			X					X
OK620900010220_00	Buckeye Creek	R	13	5		2009	A	A							A			N					N
OK620900010230_00	Dry Creek	R	10	3	2017		X	X							X			X					X
OK620900010240_00	Deer Creek	R	7	3	2017		X	X							X			X					X
OK620900010250_00	Tiger Creek	R	10	2	2017		A	I							I			X					A
OK620900010260_00	Little Tiger Creek	R	5	3	2017		X	X							X			X					X
OK620900010280_00	Tydol Lake (Tidal)	L	5	3	2017		X	X							X			X					X
OK620900010290_00	Euchee Creek	R	22	5		2009	A	A		A					A			N					N
OK620900010300_00	Sand Creek	R	8	3	2017		I	I							I			X	I				X
OK620900010310_00	Cottonwood Creek	R	6	2	2017		X	X		A					X			X					X
OK620900010320_00	Wildhorse Creek	R	8	2	2017		X	X		A					X			X					X
OK620900010330_00	Turkey Creek	R	6	3	2017		X	X							X			X					X
OK620900010340_00	Rattlesnake Creek	R	4	3	2017		X	X							X			X					X
OK620900010350_00	Turkey Creek	R	4	3	2017		X	X							X			X					X
OK620900010360_00	Skull Creek	R	9	2	2017		I	I		A					I			X					I
OK620900010370_00	Cross Bones Creek	R	2	3	2017		X	X							X			X					X
OK620900010380_00	Mud Creek	R	6	3	2017		X	X							X			X					X
OK620900010390_00	Yale Creek	R	3	3	2017		X	X							X			X					X
OK620900020010_00	Cimarron River	R	21	2	2012		A	A		A					A			X					I
OK620900020020_00	Salt Creek	R	17	3	2017		I	I							X			X	X				I
OK620900020030_00	Eagle Creek	R	7	3	2017		X	X							X			X					X
OK620900020040_00	Short Creek	R	4	3	2017		X	X							X			X					X
OK620900020050_00	Council Creek	R	22	5		2009	A	A							A			N	X				N

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OK620900020060_00	Feather Creek	R	6	3	2017		X	X							X			X					X
OK620900020070_00	Hog Hollow Creek	R	3	3	2017		X	X							X			X					X
OK620900020080_00	Long Branch	R	6	3	2017		X	X							X			X					X
OK620900020090_00	Cabin Creek	R	4	3	2017		X	X							X			X					X
OK620900020100_00	Big Creek	R	3	3	2012		X	X							X			X	X		X		X
OK620900020110_00	Big Creek	R	10	3	2012		X	X							X			X	X		X		X
OK620900020120_00	Cushing Lake	L	591	5		2007	A	I							I			I	I				N
OK620900020130_00	Elm Creek	R	6	3	2017		X	X							X			X	X		X		X
OK620900020140_00	Ghost Hollow Creek	R	2	3	2017		X	X							X			X					X
OK620900030010_00	Cimarron River	R	42	5		2005	I	N		A	I				I			N					N
OK620900030030_00	Brush Creek	R	7	3	2017		X	X							X			X					X
OK620900030040_00	Sand Creek	R	8	3	2017		X	X				X			X					X			
OK620900030050_00	Sand Creek, East Fork	R	4	3	2017		X	X							X			X					X
OK620900030060_00	Headquarters Creek	R	16	3	2017		X	X							X			X					X
OK620900030070_00	Tryon Creek	R	5	3	2017		X	X							X			X					X
OK620900030080_00	Dugout Creek	R	14	3	2017		I	I							X			X	X				I
OK620900030090_00	Lost Creek	R	12	3	2017		X	X							X			X					X
OK620900030100_00	Perkins Creek	R	2	3	2017		X	X							X			X					X
OK620900030110_00	Corduoy Creek	R	9	3	2017		X	X							X			X					X
OK620900030120_00	Wild Horse Creek	R	16	3	2017		I	I							X			X					I
OK620900030130_00	Walnut Creek	R	9	3	2017		X	X							X			X					X
OK620900030150_00	Fitzgerald Creek	R	17	3	2017		X	X							X			X	X				X
OK620900030160_00	Soldier Creek	R	6	3	2017		X	X							X			X					X
OK620900030170_00	Langston Creek	R	4	3	2017		X	X							X			X	X		X		X
OK620900030180_00	Langston Lake	L	304	2	2017		A	I							I			I	I				I
OK620900030190_00	Indian Meridian Creek	R	8	3	2017		I	I							I			X	I				I
OK620900030200_00	Pleasant Valley Creek	R	2	3	2017		X	X							X			X					X
OK620900030210_00	Clear Creek	R	10	3	2017		I	I							I			X	I				I
OK620900030220_00	Antelope Creek	R	8	3	2017		X	X							X			X					X
OK620900030230_00	Beaver Creek	R	13	3	2017		I	I							X			X	X				I

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OK620900030240_00	Mulhall Creek	R	8	3	2017		I	I							I			X	I				I
OK620900030250_00	Beaver Creek, East	R	12	3	2017		I	I							I			X	I				I
OK620900030260_00	Beaver Creek, West	R	13	5		2009	I	I							I			N	I				N
OK620900030270_00	Beaver Creek, Middle	R	10	3	2017		I	I							I			X	I				I
OK620900040010_00	Stillwater Creek	R	2	3	2005		I	X							X			X	X				I
OK620900040020_00	Spring Creek	R	4	3	2017		X	X							X			X					X
OK620900040030_00	Deer Creek	R	4	3	2017		X	X							X			X					X
OK620900040040_00	Stillwater Creek	R	4	3	2012		I	X							X			X	X				I
OK620900040050_00	Little Stillwater Creek	R	14	5		2009	I	I							I			X	N				I
OK620900040060_00	Mehan Creek	R	1	3	2017		X	X							X			X					X
OK620900040070_00	Stillwater Creek	R	23	3	2012		X	X							X			X	X		X		I
OK620900040080_00	Fairgrounds Creek	R	4	3	2017		X	X							X			X					X
OK620900040090_00	Brush Creek	R	2	3	2012		X	X				X			X						X		
OK620900040100_00	Brush Creek, East	R	10	3	2017		X	X				X			X						X		
OK620900040110_00	Yost Lake Creek	R	2	3	2017		X	X				X			X						X		
OK620900040120_00	Yost Lake	L	26	3	2017		X	X							X			X					X
OK620900040130_00	Brush Creek, West	R	10	3	2017		X	X				X			X					X			
OK620900040140_00	Boomer Creek	R	2	3	2017		X	X							X			X	X				X
OK620900040150_00	Sanborn-Hazen Lake Creek	R	4	3	2017		X	X							X			X					X
OK620900040160_00	Hazen Lake	L	1	3	2017		X	X							X			X					X
OK620900040170_00	Sanborn Lake	L	1	3	2017		X	X							X			X					X
OK620900040180_00	Boomer Creek	R	9	3	2017		X	X							X			X	X		X		X
OK620900040190_00	Boomer Lake	L	260	2	2017		A	I							I			I	I				I
OK620900040200_00	Cow Creek	R	8	3	2017		X	X							X			X					X
OK620900040210_00	Dry Creek	R	7	3	2017		X	X							X			X					X
OK620900040220_00	Stillwater Creek, North	R	6	3	2017		X	X							X			X	X		X		X
OK620900040230_00	Stillwater Creek, North	R	9	3	2017		X	X							X			X	X		X		X
OK620900040240_00	McMurtry Lake	L	1,155	2	2017		A	I							I			I	I				I
OK620900040250_00	Harrington Creek	R	5	3	2017		X	X							X			X					X

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OK620900040260_00	Harrington Creek Lake (Stillwater Creek site 46)	L	1	3	2017		X	X							X			X					X
OK620900040270_00	Stillwater Creek	R	17	5		2005	A	A							A			I	X		X		N
OK620900040280_00	Carl Blackwell Lake	L	3,370	5		2006	A	I							I			I	I		X		N
OK620900040290_00	Hunt Creek	R	6	3	2017		X	X							X			X	X		X		X
OK620900040300_00	Little Stillwater Creek	R	5	3	2017		X	X							X			X	X		X		X
OK620910010010_00	Cimarron River	R	37	5		2006	I	A		A	I				A			N					I
OK620910010030_00	Lawrie Creek	R	3	3	2017		X	X							X			X					X
OK620910010040_00	Pin Creek	R	8	3	2017		I	I							X			X					I
OK620910010060_00	Gar Creek	R	8	3	2017		I	I							X			X					I
OK620910010070_00	Pawnee Creek	R	9	3	2017		X	X							X			X					X
OK620910010080_00	Cox Creek	R	6	3	2017		X	X							X			X					X
OK620910010090_00	Boggy Creek	R	5	3	2012		X	X							X			X					X
OK620910010100_00	Crescent Creek	R	4	3	2017		X	X							X			X					X
OK620910010110_00	Cedar Cove Lake	L	2	3	2017		X	X							X			X					X
OK620910010120_00	Lattawanna Lake	L	16	3	2017		X	X							X			X					X
OK620910010130_00	Campbell Creek	R	14	3	2017		I	I							X			X					I
OK620910010140_00	Walnut Creek	R	13	3	2012		X	X							X			X					X
OK620910010150_00	Sooner Trend Creek	R	8	3	2017		I	I							X			X					I
OK620910010160_00	Bird Creek	R	7	3	2017		I	I							X			X					I
OK620910020010_00	Cimarron River	R	59	5		2005	I	A		A	I				A			N					N
OK620910020040_00	Cooper Creek	R	40	3	2017		I	I							X			X	X				I
OK620910020050_00	Oneida Creek	R	7	3	2017		X	X							X			X					X
OK620910020060_00	Felter Branch	R	3	3	2017		X	X							X			X					X
OK620910020070_00	Willow Creek	R	7	3	2017		X	X							X			X					X
OK620910020080_00	Preacher Creek	R	8	3	2017		I	I							X			X					I
OK620910020090_00	Squaw Creek	R	6	3	2017		X	X							X			X					X
OK620910020092_00	Sweet Alley	R	6	3	2017		X	X							X			X					X
OK620910020100_00	Salt Creek	R	30	2	2017		I	I		A	I				I					I			I
OK620910020110_00	Spring Creek	R	23	3	2017		X	X							X			X	X				X

OKWBID	NAME	TYPE	SIZE (Lake Acres or Stream Miles)	CATEGORY	Monitoring Date	TMDL Date	Aesthetics	Agriculture	Cool Water Aquatic Community	Emergency Water Supply	Fish Consumption	Habitat Limited Aquatic Community	High Quality Water	Hydropower Generation	Industry	Navigation	Outstanding Resource	Primary Contact (Recreation)	Public/Private Water Supply	Secondary Contact (Recreation)	Sensitive Water Supply	Trout Fishery	Warm Water Aquatic Community
OK620910020120_00	Hitchcock Creek	R	3	3	2017		X	X							X			X					X
OK620910020130_00	Hitchcock Creek, East	R	9	3	2017		X	X							X			X					X
OK620910020140_00	Hitchcock Creek, West	R	3	3	2017		X	X							X			X					X
OK620910020150_00	Bitter Creek	R	6	3	2017		X	X							X			X					X
OK620910020160_00	Cat Canyon Creek	R	3	3	2017		X	X							X			X					X
OK620910020170_00	Bitter Creek	R	5	3	2017		X	X							X			X					X
OK620910020180_00	Watonga Lake	L	55	3	2017		X	X							X			X					X
OK620910020190_00	Boecher Lake	L	12	3	2017		X	X							X			X					X
OK620910020200_00	Ruby Mill Canyon Creek	R	3	3	2017		X	X							X			X					X
OK620910020210_00	Hoyle Creek	R	25	3	2017		I	I							X			X	X				I
OK620910020230_00	Crystal Lake	L	1	3	2017		X	X							X			X					X
OK620910020240_00	Silver Lake	L	1	3	2017		X	X							X			X					X
OK620910020250_00	Deep Creek	R	26	3	2017		I	I							X			X	X				I
OK620910020260_00	Isabella Creek	R	4	3	2017		X	X							X			X					X
OK620910020270_00	Elm Creek	R	14	5		2009	A	A							A			N	X				N
OK620910020280_00	Darrow Creek	R	8	3	2017		X	X							X			X					X
OK620910020290_00	Homestead Creek	R	7	3	2017		X	X							X			X					X
OK620910020300_00	Sand Creek	R	13	3	2017		X	X							X			X					X
OK620910020310_00	Indian Creek	R	17	3	2017		I	I							X			X	X				I
OK620910020320_00	Ringwood Creek	R	6	3	2017		X	X							X			X					X
OK620910020330_00	Carwile Creek	R	8	3	2017		X	X							X			X	X				X
OK620910030010_00	Skeleton Creek	R	34	5		2005	I	I			I				I			N	I				N
OK620910030020_00	Wolf Creek	R	9	3	2017		X	X							X			X	X				X
OK620910030030_00	Bridge Creek	R	10	3	2017		I	I							I			X	I				I
OK620910030040_00	Otter Creek	R	30	5		2009	A	A							A			N	X				N
OK620910030050_00	Elkhorn Creek	R	5	3	2017		I	I							I			X	I				I
OK620910030060_00	Crows Nest Creek	R	14	3	2017		X	X							X			X					X
OK620910030070_00	4-D Creek	R	9	3	2017		X	X							X			X					X
OK620910030080_00	Shawnee Creek	R	10	3	2017		X	X							X			X					X
OK620910030090_00	Rock Creek	R	9	3	2017		X	X							X			X					X

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OK620910030100_00	Spring Creek	R	5	3	2017		X	X							X			X					X
OK620910030110_00	Horse Creek	R	13	3	2017		X	X							X			X	X				X
OK620910030120_00	Cottonwood Creek	R	10	3	2017		X	X							X			X					X
OK620910030130_00	Spring Creek	R	13	3	2017		X	X							X			X					X
OK620910030140_00	Lyon Creek	R	22	3	2017		I	I							X			X					I
OK620910030150_00	Camp Creek	R	9	3	2017		X	X							X			X					X
OK620910030160_00	Crooked Creek	R	9	3	2017		X	X							X			X					X
OK620910030170_00	Skeleton Creek	R	18	3	2012		X	X							X			X	X				X
OK620910030180_00	Bitter Creek	R	20	3	2017		X	X							X			X	X				X
OK620910030190_00	Wolf Creek	R	7	3	2017		X	X							X			X					X
OK620910030200_00	Rock Creek	R	10	3	2017		I	I							X			X					I
OK620910030210_00	Dry Creek	R	7	3	2017		X	X							X			X					X
OK620910030220_00	Hackberry Creek	R	17	4a	2017		X	X		A					X					X			X
OK620910030230_00	Fairmont Creek	R	9	3	2017		X	X				X			X					X			
OK620910030240_00	Skeleton Creek	R	20	5		2009	I	A							A			N	X				X
OK620910030250_00	Boggy Creek	R	16	3	2017		X	X							X			X					X
OK620910030260_00	Meadowlake Park Lake	L	10	3	2017		X	X							X			X					X
OK620910030270_00	Vance Creek	R	3	3	2017		X	X							X			X					X
OK620910040010_00	Cottonwood Creek	R	22	3	2017		X	X							X			X	X				X
OK620910040010_10	Cottonwood Creek	R	3	3	2017		X	X							X			X	X				X
OK620910040010_20	Cottonwood Creek	R	24	5		2009	A	A							A			N	X				N
OK620910040020_00	Country Club Lake Creek (Santa Fe Lake)	R	5	3	2017		X	X							X			X					X
OK620910040030_00	Country Club Lake (Santa Fe)	L	97	3	2017		X	X							X			X					X
OK620910040040_00	Snake Creek	R	3	3	2017		X	X							X			X					X
OK620910040050_00	Guthrie Creek	R	7	3	2017		X	X							X			X	X		X		X
OK620910040060_00	Guthrie Lake	L	274	2	2012		A	I							I			I	I				I
OK620910040070_00	Liberty Lake Creek	R	7	3	2017		X	X							X			X	X		X		X
OK620910040080_00	Liberty Lake	L	167	5		2006	A	I							I			I	I				N

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OK620910040090_00	Spring Creek	R	7	3	2017		X	X							X			X					X
OK620910040100_00	Chisholm Creek	R	21	5		2009	I	A							A			N	I				N
OK620910040110_00	Edmond Creek	R	4	3	2017		X	X							X			X					X
OK620910040120_00	Deer Creek	R	13	5		2009	A	A							A			N	X				N
OK620910040120_10	Deer Creek	R	14	3	2017		X	X							X			X	X				X
OK620910040120_20	Deer Creek	R	1	3	2017		X	X							X			X	X				X
OK620910040120_30	Deer Creek	R	5	3	2017		X	X							X			X	X				X
OK620910040130_00	Bloody Rush Creek	R	7	3	2017		X	X							X			X					X
OK620910040140_00	Bluff Creek	R	9	3	2012		X	X							X			I	X				I
OK620910040150_00	Dry Creek	R	7	3	2017		X	X							X			X					X
OK620910040160_00	Hefner Lake Duck Pond	L	1	3	2017		X	X							X			X					X
OK620910040170_00	Spring Creek	R	3	3	2017		X	X							X			X					X
OK620910040180_00	Ski Island Lake	L	45	3	2017		X	X							X			X					X
OK620910040190_00	Silver Lake	L	5	3	2017		X	X							X			X					X
OK620910040200_00	Hefner Lake	L	2,500	2	2012		A	I							I			I					I
OK620910040210_00	Walnut Creek	R	9	3	2017		X	X							X			X					X
OK620910040220_00	Soldier Creek	R	8	3	2017		X	X							X			X					X
OK620910040230_00	Chapel Hill Creek	R	6	3	2017		X	X							X			X					X
OK620910040240_00	Piedmont Creek	R	4	3	2017		X	X							X			X					X
OK620910040250_00	Spring Creek	R	5	3	2017		X	X							X			X					X
OK620910040260_00	Northwood Lake	L	190	3	2012		I	X							X			X					I
OK620910040270_00	Cow Creek	R	5	3	2017		X	X							X			X					X
OK620910040280_00	Wolf Creek	R	7	3	2017		X	X							X			X					X
OK620910050010_00	Kingfisher Creek	R	47	5		2009	A	A							A			N					N
OK620910050020_00	Trail Creek	R	15	5		2009	I	A							A			N					N
OK620910050030_00	Uncle Johns Creek	R	27	3	2017		I	I							X			X					I
OK620910050040_00	Clear Creek	R	10	3	2017		X	X							X			X					X
OK620910050050_00	Concho Creek	R	12	3	2017		X	X							X			X					X
OK620910050060_00	Elmer Lake Creek	R	6	3	2017		X	X							X			X					X
OK620910050070_00	Elmer Lake	L	60	3	2012		X	X							X			X					X

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OK620910050080_00	Dead Indian Creek	R	24	3	2017		I	I							X			X	X				I
OK620910050090_00	Okarche Creek	R	22	3	2017		X	X							X			X					X
OK620910050100_00	Altona Creek	R	6	3	2017		X	X							X			X					X
OK620910050110_00	Cheyenne Creek	R	16	3	2017		X	X							X			X					X
OK620910050120_00	Porcupine Creek	R	15	3	2017		X	X							X			X					X
OK620910050130_00	Otter Creek	R	23	3	2017		X	X							X			X	X				X
OK620910050140_00	Cedar Creek	R	9	3	2017		X	X							X			X					X
OK620910060010_00	Turkey Creek	R	83	5		2003	I	A							A			N	X				N
OK620910060020_00	Little Turkey Creek	R	11	5		2009	A	A							A			N					N
OK620910060025_00	Narragansett Creek	R	4	3	2017		X	X							X			X					X
OK620910060030_00	Buffalo Creek	R	14	5		2009	I	A							A			N					N
OK620910060040_00	Bison Creek	R	6	3	2017		X	X							X			X					X
OK620910060050_00	Hell and Gone Creek	R	7	3	2017		X	X							X			X					X
OK620910060060_00	Barr Creek	R	6	3	2017		X	X							X			X					X
OK620910060070_00	Dry Creek	R	8	3	2017		X	X							X			X					X
OK620910060080_00	Flowing Creek	R	5	3	2017		X	X							X			X					X
OK620910060090_00	Sand Creek	R	4	3	2017		X	X							X			X					X
OK620910060100_00	Spring Creek	R	7	3	2017		I	I							X			X					I
OK620910060110_00	Clear Creek	R	5	5		2009	A	A							A			N					N
OK620910060120_00	Sand Creek	R	10	3	2017		X	X							X			X					X
OK620910060130_00	Carrier Creek	R	13	3	2017		X	X							X			X					X
OK620910060140_00	Dry Salt Creek	R	7	3	2012		X	X				X			X					X			
OK620910060150_00	Elm Creek	R	9	3	2017		X	X							X			X					X
OK620920010010_00	Cimarron River	R	43	5		2005	I	A		A	I				A			N					N
OK620920010020_00	Sand Creek	R	19	3	2022		I	I							X			X	X				I
OK620920010030_00	Gypsum Creek	R	16	3	2022		X	X							X			X	X				X
OK620920010040_00	Fairview Creek, West	R	8	3	2022		X	X							X			X					X
OK620920010050_00	Fairview Creek, East	R	9	3	2022		X	X							X			X					X
OK620920010060_00	Elm Creek	R	10	3	2022		X	X							X			X					X
OK620920010080_00	Cottonwood Creek	R	22	5		2009	A	A							A			N	X				N

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OK620920010090_00	Skunk Creek	R	12	3	2022		X	X							X			X					X
OK620920010100_00	Cheyenne Creek	R	19	3	2022		X	X							X			X	X				X
OK620920010110_00	Barney Creek	R	21	3	2022		X	X							X			X	X				X
OK620920010120_00	Barney Creek, West Branch	R	8	3	2022		X	X							X			X					X
OK620920010130_00	Griever Creek	R	20	5		2009	A	A							A			N	X				I
OK620920010140_00	Griever Creek, East	R	13	3	2022		X	X							X			X	X				X
OK620920010150_00	Griever Creek, Middle	R	6	3	2022		X	X							X			X					X
OK620920010160_00	Walnut Grove Creek	R	9	3	2022		X	X							X			X					X
OK620920010170_00	Wildcat Creek	R	7	3	2022		X	X							X			X					X
OK620920010180_00	Main Creek	R	19	3	2022		X	X							X			X	X				X
OK620920010190_00	Ewers Creek	R	13	3	2022		X	X							X			X	X				X
OK620920010200_00	Gyp Creek	R	5	3	2022		X	X							X			X					X
OK620920010210_00	West Creek	R	20	3	2022		X	X							X			X					X
OK620920010220_00	Cuddy Creek	R	13	3	2022		X	X							X			X					X
OK620920020010_00	Cimarron River	R	33	5		2005	I	N		A					I			X					I
OK620920020020_00	Dog Creek	R	11	2	2022		X	X		A					X			X					X
OK620920020030_00	Sand Creek	R	19	3	2022		X	X							X			X	X				X
OK620920020040_00	Chimney Creek	R	17	3	2022		X	X							X			X	X				X
OK620920020050_00	Whitehorse Creek	R	22	3	2022		I	I							X			X	X				I
OK620920020060_00	Doe Creek	R	18	3	2022		I	I							X			X	X				I
OK620920020070_00	Wildcat Creek	R	10	3	2022		X	X							X			X					X
OK620920020080_00	Long Creek	R	22	3	2022		I	I							X			X	X				I
OK620920020090_00	Alabaster Creek	R	6	3	2022		X	X							X			X					X
OK620920020100_00	Slicker Creek	R	11	3	2022		X	X							X			X					X
OK620920020110_00	Red Horse Creek	R	17	3	2022		X	X							X			X	X				X
OK620920020120_00	Anderson Creek	R	20	3	2022		X	X							X			X	X				X
OK620920020130_00	Bull Creek	R	6	3	2022		X	X							X			X					X
OK620920020140_00	Freedom Creek	R	8	3	2022		X	X							X			X					X
OK620920020150_00	Girl Creek	R	10	3	2022		X	X							X			X					X

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OK620920020160_00	Houston Creek	R	15	3	2022		X	X							X			X					X
OK620920020170_00	Traders Creek	R	22	5		2009	A	A							A			N	X				I
OK620920020180_00	Moccasin Creek	R	17	3	2022		X	X							X			X	X				X
OK620920020190_00	Moccasin Creek, West	R	10	3	2022		X	X							X			X					X
OK620920020200_00	Sand Creek	R	17	3	2022		I	I							X			X	X				I
OK620920030010_00	Cimarron River	R	24	5		2005	I	I		A	I				I			N					I
OK620920030030_00	Day Creek	R	12	3	2022		X	X							X			X	X				X
OK620920030040_00	Keno Creek	R	14	3	2022		X	X							X			X	X				X
OK620920030050_00	Anderson Creek	R	10	3	2022		X	X							X			X					X
OK620920030060_00	Lodge Pole Creek	R	13	3	2022		X	X							X			X					X
OK620920040010_00	Eagle Chief Creek	R	74	3	2012		I	I							I			X	I				I
OK620920040030_00	Big Timber Lake Creek	R	5	3	2022		X	X				X			X					X			
OK620920040040_00	Big Timber Lake	L	15	3	2022		X	X							X			X					X
OK620920040050_00	Spring Creek	R	3	3	2022		I	I							X			X					I
OK620920040060_00	Carmen Creek	R	4	3	2022		X	X							X			X					X
OK620920040070_00	Carmen Creek, East	R	4	3	2012		X	X							X			X					X
OK620920040080_00	Carmen Creek, West	R	4	3	2022		X	X							X			X					X
OK620920040090_00	Sand Creek	R	18	3	2022		I	I							I			X	I				I
OK620920040100_00	Lake Creek	R	16	3	2022		I	I							I			X					I
OK620920040110_00	Little Eagle Cheif Creek	R	25	3	2022		I	I							I			X	I				I
OK620920040120_00	Noel Creek	R	7	3	2022		X	X							X			X					X
OK620920040140_00	Avard Lake	L	1	3	2022		X	X							X			X					X
OK620920040160_00	McGill Lake	L	24	3	2022		X	X							X			X					X
OK620920040170_00	Lojo creek	R	5	5		2009	A	N							I			X	I				I
OK620920050010_00	Buffalo Creek	R	49	5		2009	I	A							A			N	I				N
OK620920050020_00	Elm Creek	R	12	3	2022		I	I							I			X	I				I
OK620920050030_00	Sleeping Bear Creek	R	18	3	2022		I	I							I			X	I				I
OK620920050040_00	Gilbert Creek	R	6	3	2022		I	I							I			X	I				I
OK620920050050_00	Sand Creek	R	26	3	2022		I	I							I			X	I				I
OK620920050060_00	Selman Creek	R	11	5		2009	I	N							I			I	I				I

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OK620920050070_00	Little Buffalo Creek	R	4	5		2022	X	N							I			X					I
OK620920050080_00	Buffalo Aqueduct	R	7	3	2022		X	X							X			X					X
OK620920050090_00	Doby Springs Park Branch!	R	1	3	2022		X	I							I			X					I
OK620920050100_00	Doby Springs Creek!	R	8	3	2022		X	X							X			X					X
OK620930000010_00	Cimarron River	R	38	5		2005	I	N			I				I			N	I				N
OK620930000020_00	Snake Creek	R	16	3	2022		X	X							X			X	X				X
OK620930000030_00	Redoubt Creek	R	19	3	2022		I	I							X			X	X				I
OK620930000040_00	Old Settlers Irrigation Ditch	R	7	3	2012		X	I							X			X					X
OK620930000045_00	Baylee Creek	R	35	3	2022		X	X							X			X					X
OK620930000050_00	Stink Creek	R	8	3	2022		X	X							X			X					X
OK620930000060_00	Horse Creek	R	13	2	2022		X	X		A					X					X			X
OK620930000070_00	Horse Creek, West Fork	R	8	3	2022		X	X							X			X					X
OK620930000090_00	Gate Lake	L	1	3	2022		X	X							X			X					X
OK620930000100_00	Crooked Creek	R	6	3	2022		I	I							X			X	X				I
OK620930000110_00	Cottonwood Creek	R	7	3	2022		X	X							X			X	X				X
OK620930000120_00	Taintor Creek	R	7	3	2022		X	X							X			X					X
OK620930000130_00	Forgan Creek, West	R	8	3	2022		X	X							X			X					X
OK621000010010_00	Arkansas River, Salt Fork	R	11	3	2017		X	X			X				X			X	X				X
OK621000010010_10	Arkansas River, Salt Fork	R	8	3	2017		X	X			X				X			X	X				X
OK621000010010_20	Arkansas River, Salt Fork	R	5	3	2017		X	X			X				X			X	X				X
OK621000010010_30	Arkansas River, Salt Fork	R	34	5		2005	I	A			I				A			N	I				N
OK621000010020_00	Deadman Creek	R	3	3	2017		X	X							X			X					X
OK621000010030_00	Conoco Creek	R	5	3	2017		X	X							X			X					X
OK621000010050_00	Cowskin Creek	R	12	3	2017		I	I							I			X	I				I
OK621000010060_00	Bird's Nest Creek	R	23	5		2017	A	N							I			X	I				A
OK621000010070_00	Horseshoe Lake Creek	R	5	3	2017		I	I							I			X	I				I
OK621000010080_00	Horseshoe Lake	L	1	3	2017		X	X							X			X					X
OK621000010090_00	Tonkawa Creek	R	3	3	2017		X	X							X			X					X
OK621000010100_00	Unnamed Tributary (Deer)	R	0	3	2012		X	X							X			X	X				X

OKWBID	NAME	TYPE	SIZE (Lake Acres or Stream Miles)	CATEGORY	Monitoring Date	TMDL Date	Aesthetics	Agriculture	Cool Water Aquatic Community	Emergency Water Supply	Fish Consumption	Habitat Limited Aquatic Community	High Quality Water	Hydropower Generation	Industry	Navigation	Outstanding Resource	Primary Contact (Recreation)	Public/Private Water Supply	Secondary Contact (Recreation)	Sensitive Water Supply	Trout Fishery	Warm Water Aquatic Community
OK621000010110_00	Eddy Creek	R	7	3	2017		I	I							I			X	I				I
OK621000010120_00	Boggy Creek	R	9	3	2017		X	X							X			X					X
OK621000010130_00	Red Bird's Nest Creek	R	3	3	2012		X	I							I			X					X
OK621000020010_00	Arkansas River, Salt Fork	R	42	2	2012		A	A							A			X	I				I
OK621000020030_00	Negro Creek	R	5	3	2017		X	X							X			X					X
OK621000020040_00	Wild Horse Creek	R	25	3	2017		I	I							X			X					I
OK621000020050_00	Sand Creek	R	16	3	2017		X	X							X			X					X
OK621000020060_00	Kremlin Creek	R	10	3	2017		X	X							X			X					X
OK621000020080_00	Hellums Lake	L	6	3	2017		X	X							X			X					X
OK621000020090_00	Four Corners Creek	R	6	3	2017		X	X							X			X					X
OK621000020100_00	Ninemile Creek	R	11	3	2017		I	I							X			X					I
OK621000020110_00	Ninemile Canyon Creek	R	1	3	2017		X	X							X			X					X
OK621000020120_00	Little Pond Creek	R	6	3	2017		X	X							X			X					X
OK621000020130_00	Spring Creek	R	6	5		2009	A	A							A			N					N
OK621000020140_00	Three Lakes Creek	R	1	3	2017		X	X							X			X					X
OK621000020150_00	Three Lake	L	1	3	2017		X	X							X			X					X
OK621000020160_00	Coldwater Creek	R	26	3	2017		I	I							X			X					I
OK621000020170_00	Sand Creek	R	19	3	2017		I	X							X			X					I
OK621000020180_00	Little Nash Creek	R	2	3	2017		X	X							X			X					X
OK621000020190_00	Nash Creek	R	12	3	2017		X	X							X			X					X
OK621000020200_00	Wagon Creek	R	24	3	2017		I	X							X			X	X				I
OK621000030010_00	Bois d' Arc Creek	R	37	5		2009	I	N							I			N	I				N
OK621000030020_00	Santa Fe Creek	R	4	3	2017		X	X							X			X					X
OK621000030030_00	Cattle Creek	R	0	3	2017		X	X							X			X					X
OK621000030040_00	Cattle Creek, East	R	10	3	2017		I	I							I			X	I				I
OK621000030050_00	Cattle Creek, West	R	9	3	2017		I	I							I			X	I				I
OK621000030060_00	Kildare Creek	R	6	3	2017		X	X							X			X					X
OK621000030070_00	Spring Creek	R	2	2	2017		X	X		A					X			X					X
OK621000030080_00	Kildare Creek, North	R	5	3	2017		I	I							I			X	I				I
OK621000030090_00	Spring Creek	R	3	2	2017		I	I		A					I			X					I

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OK621000030100_00	Newkirk Creek	R	4	3	2017		X	X							X			X					X
OK621000030110_00	Spring Creek	R	6	2	2017		X	X		A		X			X					X			
OK621000040010_00	Deer Creek	R	41	2	2012		I	A							A			X	I				I
OK621000040020_00	Thompson Creek	R	14	3	2017		X	X							X			X					X
OK621000040030_00	Peters Creek	R	9	3	2017		X	X							X			X					X
OK621000040040_00	Nardin Creek	R	9	3	2017		X	X							X			X					X
OK621000040050_00	Big Antelope Creek	R	13	3	2017		X	X							X			X					X
OK621000040060_00	Little Antelope Creek	R	11	3	2017		X	X							X			X					X
OK621000040070_00	Dry Creek	R	10	2	2017		A	A							A			X	A				A
OK621000050010_00	Pond Creek	R	60	3	2017		I	I							I			X	I				I
OK621000050020_00	Spring Creek	R	8	3	2017		X	X							X			X					X
OK621000050030_00	Polecat Creek	R	29	3	2017		X	X							X			X	X				X
OK621000050040_00	Deadman Creek	R	8	3	2017		X	X							X			X					X
OK621000050050_00	Cottonwood Creek	R	14	3	2017		X	X							X			X					X
OK621000050060_00	Elm Creek	R	10	3	2017		X	X							X			X					X
OK621000050070_00	Renfrow Creek	R	6	3	2017		X	X							X			X					X
OK621000050080_00	Bullwacker Creek	R	20	2	2017		X	X		A		X			X					X			
OK621000050090_00	Medford Creek	R	8	3	2017		X	X							X			X					X
OK621000050100_00	Osage Creek	R	33	3	2017		X	X							X			X	X				X
OK621000050110_00	Wakita Creek	R	8	3	2017		X	X							X			X					X
OK621000060010_00	Crooked Creek	R	33	3	2017		I	X							X			X	X				I
OK621000060020_00	Gilbert Creek	R	4	3	2017		X	X							X			X					X
OK621000060030_00	Sand Creek	R	26	3	2017		X	I							X			X	X				I
OK621000060040_00	Cooper Creek	R	9	3	2017		X	X							X			X					X
OK621000060050_00	Lynch Creek	R	8	3	2017		X	X							X			X					X
OK621000060060_00	Duel Creek	R	10	3	2017		X	X							X			X					X
OK621000060070_00	Gibbon Creek, North	R	11	3	2017		X	X							X			X					X
OK621000060080_00	Manchester Creek	R	11	3	2017		X	X							X			X					X
OK621000060090_00	Gibbon Creek, East	R	11	3	2017		X	X							X			X					X
OK621010010010_00	Arkansas River, Salt Fork	R	21	2	2005		A	X							X			X	A				I

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OK621010010020_00	Great Salt Plains Lake	L	8,690	3	2012		X	X							X			X	X				X
OK621010010040_00	Sandy Creek Cutoff Oxbow Lake	L	1	3	2017		X	X							X			X					X
OK621010010050_00	Powell Creek	R	9	3	2017		I	I							X			X					I
OK621010010060_00	Spring Creek	R	14	3	2017		X	X							X			X					X
OK621010010070_00	Twin Creek	R	10	3	2017		X	X							X			X					X
OK621010010080_00	Jet Creek	R	4	3	2017		X	X							X			X					X
OK621010010090_00	Clay Creek	R	9	2	2017		I	I		A					X			X					I
OK621010010100_00	Cottonwood Creek	R	22	3	2017		I	I							X			X					I
OK621010010110_00	Clay Creek, East	R	22	3	2017		X	X							X			X	X				X
OK621010010120_00	Helena Creek	R	7	3	2017		X	X							X			X					X
OK621010010130_00	Clay Creek, West	R	22	3	2017		X	X							X			X	X				X
OK621010010140_00	Lambert Creek	R	9	3	2017		X	X							X			X					X
OK621010010160_00	Arkansas River, Salt Fork	R	15	5		2005	I	A			I				A			N	I				N
OK621010010180_00	Ingersoll Creek	R	11	3	2017		X	X							X			X					X
OK621010010190_00	Ashley Creek, East	R	9	3	2017		X	X							X			X					X
OK621010010200_00	Ashley Creek, West	R	4	3	2017		X	X							X			X					X
OK621010010210_00	Capron Creek, South	R	11	3	2017		X	X							X			X					X
OK621010010220_00	Arkansas River, Salt Fork	R	37	2	2005		A	A							A			X	A				I
OK621010010230_00	Turkey Creek	R	25	5		2009	I	N							I			N	I				N
OK621010010240_00	Boggy Creek	R	16	5		2009	I	N							I			X	I				I
OK621010010250_00	Greenleaf Creek	R	20	3	2017		I	I							X			X	X				I
OK621010010260_00	Hackberry Creek	R	2	3	2017		X	X							X			X	X				X
OK621010010270_00	Yellowstone Creek	R	22	5		2009	A	N							X			N	X				N
OK621010020010_00	Sandy Creek	R	18	5		2009	A	A							A			N	X				N
OK621010020020_00	Little Church Creek	R	4	3	2017		X	X							X			X					X
OK621010020030_00	Little Sandy Creek	R	10	3	2017		X	X							X			X	X				X
OK621010020040_00	Salty Creek	R	4	3	2017		I	I							X			X					I
OK621010020050_00	Rush Creek	R	4	3	2017		X	X							X			X					X
OK621010030010_00	Medicine Lodge River	R	13	3	2012		I	I							X			X	X				I

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OK621010030020_00	Byron Creek	R	6	3	2017		X	X							X			X					X
OK621010030030_00	Driftwood Creek	R	39	3	2017		I	I							X			X	X				I
OK621010030040_00	Dry Creek	R	10	3	2017		X	X							X			X					X
OK621010030050_00	Little Driftwood Creek	R	10	3	2017		I	I							X			X					I
OK621010030060_00	Loder Creek	R	6	3	2017		X	X							X			X					X
OK621010030070_00	Little Mule Creek	R	6	3	2017		X	X							X			X					X
OK621010030080_00	Capron Creek, North	R	8	5		2009	I	N							I			X	I				I
OK621010030090_00	Spring Creek	R	11	3	2017		X	X							X			X					X
OK621010030100_00	Stink Creek	R	19	3	2012		X	X							X			X					I
OK621100000010_00	Chikaskia River	R	5	3	2017		X	X			X				X			X	X				X
OK621100000010_10	Chikaskia River	R	36	5		2005	I	A			I				A			N	I				N
OK621100000020_00	Antwine Lake	L	20	3	2017		X	X							X			X					X
OK621100000030_00	Duck Creek	R	26	5		2009	I	N							I			N	I				N
OK621100000033_00	Duckling Creek	R	2	5		2009	I	N							I			X	I				I
OK621100000040_00	Peckham Creek	R	9	3	2017		I	I							I			X	I				I
OK621100000050_00	Stink Creek	R	16	3	2017		I	I							X			X	X				I
OK621100000060_00	Lost Creek	R	15	3	2017		X	X							X			X					X
OK621100000070_00	Grainville Creek	R	6	3	2017		X	X							X			X					X
OK621100000080_00	Wentz Lake Creek	R	1	3	2017		X	X							X			X					X
OK621100000090_00	Wentz Lake	L	17	3	2017		X	X							X			X					X
OK621100000100_00	Bitter Creek	R	23	5		2009	A	N							I			N	I				N
OK621100000110_00	Dry Creek	R	21	3	2017		X	X							X			X					X
OK621100000120_00	Braman Creek	R	10	3	2017		X	X							X			X					X
OK621100000130_00	Scatter Creek	R	8	5		2009	I	N							I			X	I				I
OK621100000140_00	Sumpter Creek	R	7	3	2017		X	X							X			X					X
OK621100000150_00	Bitter Creek, East	R	4	3	2017		X	X							X			X					X
OK621100000160_00	Spring Creek	R	10	3	2017		X	X							X			X					X
OK621100000180_00	Shoo Fly Creek	R	8	3	2017		X	X							X			X					X
OK621100000190_00	Chikaskia River	R	9	3	2017		X	X							X			X	X				X
OK621100000200_00	Blackwell Lake	L	53	3	2017		X	X							X			X					X

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OK621100000210_00	Blackwell Creek	R	5	3	2017		X	X							X			X					X
OK621100000220_00	Sand Creek	R	6	3	2017		X	X							X			X					X
OK621100000230_00	Bluff Creek	R	12	3	2017		X	X							X			X	X				X
OK621100000240_00	Spring Creek	R	5	3	2017		X	X							X			X					X
OK621100000250_00	Sullivan Branch	R	6	3	2017		X	X							X			X					X
OK621200010010_00	Arkansas River	R	6	2	2012		X	X		A					X			X					X
OK621200010020_00	Keystone Lake	L	5,903	5		2006	A	I		A					I			I					N
OK621200010025_00	Keywest Creek	R	2	2	2017		A	A							A			X	I				I
OK621200010030_00	Bogy Creek	R	4	3	2017		X	X							X			X					X
OK621200010040_00	Arkansas River	R	18	2	2012		X	X		A					X			X					I
OK621200010050_00	Keystone Lake, Arkansas River Arm	L	5,903	2	2012		X	X		A					X			X					I
OK621200010060_00	Mud Creek	R	8	3	2017		X	X							X			X					X
OK621200010070_00	Rock Creek	R	5	3	2017		X	X							X			X					X
OK621200010080_00	Walnut Creek	R	5	3	2017		X	X							X			X					X
OK621200010090_00	Waresha Creek	R	5	3	2017		X	X							X			X					X
OK621200010100_00	Little Waresha Creek	R	3	3	2017		X	X							X			X					X
OK621200010110_00	Cowskin Creek	R	8	3	2017		X	X							X			X					X
OK621200010120_00	Bear Creek	R	6	3	2017		X	X							X			X					X
OK621200010130_00	Mill Creek	R	4	3	2017		X	X							X			X					X
OK621200010140_00	Vandruff Creek	R	5	3	2017		X	X							X			X					X
OK621200010150_00	Mechetsemoi Creek	R	5	3	2017		X	X							X			X					X
OK621200010160_00	Osage Creek	R	6	3	2017		X	X							X			X					X
OK621200010170_00	Cedar Creek	R	8	3	2017		X	X							X			X					X
OK621200010180_00	Scanlon Creek	R	4	3	2017		X	X							X			X					X
OK621200010190_00	Black Dog Creek	R	5	3	2017		X	X							X			X					X
OK621200010200_00	Arkansas River	R	38	5		2005	I	A		A	I				A			N					N
OK621200010210_00	Sand Creek	R	3	3	2017		X	X							X			X					X
OK621200010220_00	Ghost Hollow Creek	R	3	3	2017		X	X							X			X					X
OK621200010230_00	Ranch Creek	R	2	3	2017		X	X							X			X					X

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OK621200010240_00	Turkey Creek	R	2	3	2017		X	X							X			X					X
OK621200010250_00	Carpenter Creek	R	5	3	2017		X	X							X			X					X
OK621200010260_00	Ranch Creek	R	8	3	2017		X	X							X			X					X
OK621200010270_00	Cleveland Lake	L	159	2	2012		A	I							I			I					I
OK621200010280_00	Ranch Creek, West Branch	R	7	3	2017		X	X							X			X					X
OK621200010300_00	Maramec Lake	L	28	3	2017		X	X							X			X					X
OK621200010310_00	Hellroaring Creek	R	10	3	2017		X	X							X			X					X
OK621200010320_00	Bug Creek	R	11	3	2017		X	X							X			X	X				X
OK621200010330_00	Harper Creek	R	5	3	2017		X	X							X			X					X
OK621200010350_00	Sycamore Creek	R	12	3	2017		X	X							X			X					X
OK621200010360_00	Dry Creek	R	5	3	2017		X	X							X			X					X
OK621200010370_00	Spring Creek	R	4	3	2017		X	X							X			X					X
OK621200010380_00	Coal Creek	R	12	3	2017		X	X							X			X					X
OK621200010390_00	Coon Creek	R	5	3	2017		X	X							X			X					X
OK621200010400_00	Gray Horse Creek	R	16	5		2009	A	A							A			N					N
OK621200010410_00	Lucy Creek	R	9	3	2017		X	X							X			X					X
OK621200010420_00	Eagle Creek	R	6	3	2017		X	X							X			X					X
OK621200020010_00	Arkansas River	R	45	2	2005		X	X		A					X			X					I
OK621200020020_00	Doga Creek	R	10	5		2009	A	A							A			N	X				N
OK621200020030_00	Clear Creek	R	7	3	2017		X	X							X			X					X
OK621200020040_00	Doga Creek, East Fork	R	5	3	2017		X	X							X			X	X				X
OK621200020050_00	Doga Creek, West Fork	R	3	3	2017		X	X							X			X	X				X
OK621200020060_00	Doga Creek, Middle Fork	R	5	3	2017		X	X							X			X	X				X
OK621200020070_00	Bedford Creek	R	4	3	2017		X	X							X			X					X
OK621200020080_00	Mud Creek	R	6	3	2017		X	X							X			X					X
OK621200020090_00	Brush Creek	R	5	3	2017		X	X							X			X					X
OK621200020100_00	Rock Creek	R	10	3	2017		X	X							X			X					X
OK621200020110_00	Greasy Creek	R	13	3	2017		X	X							X			X					X
OK621200020120_00	Watchorn Creek	R	6	3	2017		X	X							X			X					X

OKWBID	NAME	TYPE	SIZE (Lake Acres or Stream Miles)	CATEGORY	Monitoring Date	TMDL Date	Aesthetics	Agriculture	Cool Water Aquatic Community	Emergency Water Supply	Fish Consumption	Habitat Limited Aquatic Community	High Quality Water	Hydropower Generation	Industry	Navigation	Outstanding Resource	Primary Contact (Recreation)	Public/Private Water Supply	Secondary Contact (Recreation)	Sensitive Water Supply	Trout Fishery	Warm Water Aquatic Community
OK621200020130_00	Sonner Lake	L	1	2	2017		A	I							I			I					I
OK621200020150_00	Big Drum Creek	R	7	3	2017		X	X							X			X					X
OK621200020160_00	Little Drum Creek	R	8	3	2017		X	X							X			X					X
OK621200020170_00	Prettyhair Creek	R	6	3	2017		X	X							X			X					X
OK621200020180_00	Simpkins Creek	R	5	3	2017		X	X							X			X					X
OK621200020190_00	Turkey Creek	R	3	3	2017		X	X							X			X					X
OK621200020200_00	Turkey Creek, West Ponca Lake Branch	R	10	3	2017		X	X							X			X	X		X		X
OK621200020210_00	Ponca Lake, West	L	403	2	2017		A	I							I			I	I		X		I
OK621200020220_00	Turkey Creek, East Ponca Lake Branch	R	6	3	2017		X	X							X			X	X		X		X
OK621200020230_00	Ponca Lake, East	L	403	3	2017		X	X							X			X	X		X		X
OK621200020250_00	Indian Hills Lake	L	1	3	2017		X	X							X			X					X
OK621200020260_00	Coon Creek (Dry)	R	6	3	2017		X	X							X			X					X
OK621200020270_00	Charley Creek	R	10	3	2017		X	X							X			X					X
OK621200030010_00	Black Bear Creek	R	68	5		2005	I	A			I				A			N	I				N
OK621200030020_00	Little Crystal Creek	R	2	3	2017		X	X							X			X					X
OK621200030030_00	Crystal Creek	R	8	3	2017		X	X							X			X					X
OK621200030040_00	Camp Creek	R	27	5		2009	A	A							A			N	X				I
OK621200030060_00	Lone Chimney Lake	L	550	2	2017		A	I							I			I					I
OK621200030070_00	Pawnee Creek	R	5	3	2017		X	X							X			X					X
OK621200030080_00	Skedee Creek	R	2	3	2017		X	X							X			X					X
OK621200030090_00	Skedee Creek	R	6	3	2017		X	X							X			X	X		X		X
OK621200030100_00	Pawnee Lake	L	257	2	2017		A	I							I			I	I				I
OK621200030110_00	Little Skedee Creek	R	4	3	2017		X	X							X			X	X		X		X
OK621200030120_00	Feaster Lake Creek	R	2	3	2017		X	X							X			X	X		X		X
OK621200030130_00	Feaster Lake	L	7	3	2017		X	X							X			X					X
OK621200030140_00	Pepper Creek	R	7	3	2017		X	X							X			X					X
OK621200030150_00	Peters Creek	R	4	3	2017		X	X							X			X					X
OK621200030160_00	Turkey Creek	R	7	3	2017		X	X							X			X					X

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OK621200030170_00	Panther Creek	R	7	3	2017		X	X							X			X					X
OK621200030180_00	Lion Creek	R	5	3	2017		X	X							X			X					X
OK621200030190_00	Oak Creek	R	10	4a	2017		X	X							X			X	X				X
OK621200030200_00	Long Branch	R	20	3	2017		X	X							X			X					X
OK621200030210_00	Otoe Creek	R	6	3	2017		X	X							X			X					X
OK621200030220_00	Spring Creek	R	6	3	2017		X	X							X			X					X
OK621200030230_00	Mule Creek	R	9	3	2017		X	X							X			X					X
OK621200030240_00	Willow Creek	R	8	3	2017		X	X							X			X					X
OK621200030250_00	Elm Creek	R	8	3	2017		X	X							X			X					X
OK621200030260_00	Black Bear Creek	R	47	2	2005		A	A							A			X	I				I
OK621200030260_00	Black Bear Creek	R	47	2	2017		A	A							A			X	I				I
OK621200030270_00	Cow Creek	R	11	3	2017		X	X							X			X	X				X
OK621200030290_00	Wills Lake	L	5	3	2017		X	X							X			X					X
OK621200030300_00	Perry Lake Park Creek	R	2	3	2017		X	X							X			X					X
OK621200030310_00	Perry Lake Park Lake	L	6	3	2017		X	X							X			X					X
OK621200030320_00	Calf Creek	R	4	3	2017		X	X							X			X					X
OK621200030330_00	Little Cow Creek	R	3	3	2017		X	X							X			X					X
OK621200030340_00	Cow Creek	R	12	3	2012		I	X							X			X	X		X		I
OK621200030340_00	Cow Creek	R	12	3	2017		I	X							X			X	X		X		I
OK621200030350_00	Perry Lake	L	614	3	2012		I	I							I			I	I				I
OK621200030360_00	Gansel Creek	R	7	3	2017		I	I							I			X	I				I
OK621200030370_00	Warren Creek	R	8	3	2017		X	X							X			X					X
OK621200030380_00	Warren Creek, East	R	5	3	2017		X	X							X			X					X
OK621200030390_00	Warren Creek, West	R	5	2	2017		X	A							A			X					I
OK621200030396_00	Lucien Creek	R	4	5	2017		I	N							I			X					I
OK621200030400_00	Turkey Creek	R	4	3	2017		X	X							X			X					X
OK621200030410_00	Panther Creek	R	12	3	2017		X	X							X			X					X
OK621200030420_00	Garber Creek	R	6	3	2017		X	X							X			X					X
OK621200030430_00	Crow Creek	R	5	3	2017		X	X							X			X					X
OK621200040010_00	Salt Creek	R	61	2	2012		A	A							A			I	X				I

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OK621200040020_00	Threemile Canyon Creek	R	4	3	2017		X	X							X			X					X
OK621200040030_00	Wild Creek	R	7	3	2017		X	X							X			X	X		X		X
OK621200040040_00	Fairfax Lake	L	111	5		2007	A	I							I			I	I				N
OK621200040050_00	Tate Creek	R	4	3	2017		X	X							X			X					X
OK621200040060_00	Solomon Creek	R	6	3	2017		X	X							X			X					X
OK621200040070_00	Little Chief Creek	R	13	2	2017		A	A							A			I	X				I
OK621200040080_00	Lost Man Creek	R	7	3	2017		X	X							X			X					X
OK621200040090_00	Wild Horse Creek	R	3	3	2017		X	X							X			X					X
OK621200040100_00	Jim Creek	R	9	3	2017		X	X							X			X					X
OK621200040110_00	Stewart Creek	R	4	3	2017		X	X							X			X					X
OK621200040120_00	Mud Creek	R	6	3	2017		X	X				X			X					X			
OK621200040130_00	Hay Creek	R	7	3	2017		X	X							X			X					X
OK621200040140_00	Webb City Creek	R	3	3	2017		X	X							X			X					X
OK621200040150_00	Shidler Creek	R	3	3	2017		X	X							X			X					X
OK621200040160_00	Rock Creek	R	0	3	2017		X	X							X			X	X		X		X
OK621200040170_00	Rock Creek	R	6	3	2017		X	X							X			X	X		X		X
OK621200040180_00	Phillips Lake (Shidler)	L	1	3	2017		X	X							X			X	X		X		X
OK621200040190_00	Potato Creek	R	6	3	2017		X	X							X			X					X
OK621200040200_00	Wamsley Creek	R	6	3	2017		X	X							X			X					X
OK621200040210_00	Elm Creek	R	13	3	2017		X	X							X			X	X				X
OK621200040220_00	Dugout Creek	R	9	3	2017		X	X							X			X					X
OK621200040230_00	Antelope Creek	R	7	3	2017		X	X							X			X					X
OK621200040240_00	Adams Lake Creek	R	1	3	2017		X	X							X			X					X
OK621200040250_00	Adams Lake	L	63	3	2017		X	X							X			X					X
OK621200040260_00	Grainola Creek	R	3	3	2017		X	X							X			X					X
OK621200050010_00	Red Rock Creek	R	37	5		2009	I	A							A			I					N
OK621200050010_10	Red Rock Creek	R	46	3	2017		X	X							X			X					X
OK621200050020_00	Cat Creek	R	3	3	2017		X	X							X			X					X
OK621200050030_00	Houston Creek	R	4	3	2017		X	X							X			X					X
OK621200050040_00	Coon Creek	R	5	3	2017		X	X							X			X					X

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OK621200050050_00	Long Creek	R	10	3	2017		X	X							X			X					X
OK621200050060_00	Bird Creek	R	7	3	2017		X	X							X			X					X
OK621200050070_00	Marland Creek	R	7	3	2017		X	X							X			X					X
OK621200050080_00	Squaw Creek	R	8	3	2017		X	X							X			X					X
OK621200050090_00	Skinny Creek	R	13	3	2017		X	X							X			X					X
OK621200050100_00	Cottonwood Creek	R	7	3	2017		X	X							X			X					X
OK621200050110_00	Perry Air Creek	R	9	3	2017		X	X							X			X					X
OK621200050120_00	Ceres Creek	R	5	3	2017		X	X							X			X					X
OK621200050130_00	Little Hackberry Creek	R	10	3	2017		X	X							X			X					X
OK621200050140_00	Hackberry Creek	R	13	3	2017		X	X							X			X					X
OK621200050150_00	Dean Creek	R	8	3	2017		X	X							X			X					X
OK621200050160_00	Grassy Creek	R	14	3	2017		X	X							X			X					X
OK621200050170_00	Doe Creek	R	7	3	2017		X	X							X			X					X
OK621200050180_00	Bunch Creek	R	12	3	2017		X	X							X			X					X
OK621200050190_00	Billings Creek	R	5	3	2017		X	X							X			X					X
OK621200050200_00	Monkey Creek	R	9	2	2017		A	A							A			X	I				I
OK621200050210_00	Elkhorn Creek	R	12	2	2017		A	A							A			X	I				A
OK621200050220_00	Ranch Creek	R	4	3	2017		X	X							X			X					X
OK621200050230_00	Hereford Creek	R	10	3	2017		X	X							X			X					X
OK621200050240_00	Wolf Creek	R	5	3	2017		X	X							X			X					X
OK621200050250_00	Thompson Lake Creek	R	8	3	2017		X	X							X			X					X
OK621200050260_00	Thompson Lake	L	1	3	2017		X	X							X			X					X
OK621210000010_00	Arkansas River	R	17	5		2004	I	N		A	I				I			N					N
OK621210000020_00	Kaw Lake	L	5,680	5		2005	A	I							I			I	X				N
OK621210000030_00	Arkansas River	R	35	3	2012		I	X							X			X	X				I
OK621210000040_00	Kaw Lake, Arkansas River Arm	L	5,680	3	2012		X	X							X			X	X				I
OK621210000050_00	Beaver Creek	R	30	2	2012		A	A							A			X	A				I
OK621210000060_00	Kaw Lake, Beaver Creek Arm	L	5,680	3	2012		X	X							X			X	X				I
OK621210000070_00	Aleck Creek	R	4	3	2017		X	X							X			X					X

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OK621210000080_00	Little Beaver Creek	R	16	3	2017		X	X							X			X					X
OK621210000090_00	Canadian Creek	R	5	3	2017		X	X							X			X					X
OK621210000100_00	Mud Creek	R	5	3	2017		X	X							X			X					X
OK621210000110_00	Myers Creek	R	5	3	2017		X	X							X			X					X
OK621210000120_00	Rabbit Creek	R	6	3	2017		X	X							X			X					X
OK621210000130_00	Cooper Creek	R	2	3	2017		X	X							X			X					X
OK621210000140_00	Haines Creek	R	4	3	2017		X	X							X			X					X
OK621210000150_00	Bayliss Creek	R	3	3	2017		X	X							X			X					X
OK621210000160_00	Otter Creek	R	6	3	2017		X	X							X			X					X
OK621210000170_00	Lone Tree Creek	R	3	3	2017		X	X							X			X					X
OK621210000180_00	Spring Creek	R	2	3	2017		X	X							X			X					X
OK621210000190_00	Coon Creek	R	7	3	2017		X	X							X			X					X
OK621210000200_00	Bear Creek	R	7	3	2017		X	X							X			X					X
OK621210000210_00	Sweetwater Creek	R	7	3	2017		X	X							X			X					X
OK621210000220_00	Wolf Creek	R	8	3	2005		X	X							X			X					X
OK621210000220_00	Wolf Creek	R	8	3	2017		X	X							X			X					X
OK621210000230_00	Newkirk Country Club Lake	L	41	3	2017		X	X							X			X					X
OK621210000240_00	Deer Creek	R	9	3	2017		X	X							X			X					X
OK621210000260_00	Newkirk Lake	L	21	3	2017		X	X							X			X					X
OK621210000270_00	Chilocco Creek	R	16	3	2017		I	I							X			X					I
OK621210000280_00	Osage Creek	R	5	3	2017		X	X							X			X					X
OK621210000290_00	Little Osage Creek	R	4	3	2017		X	X							X			X					X
OK720500010010_00	Canadian River, North	R	46	5		2005	I	A			I				A			N	I				N
OK720500010020_00	Crystal Beach Lake	L	10	3	2012		I	I							I			I	I				I
OK720500010030_00	Red Bluff Cut Off Lake	L	1	3	2022		X	X							X			X					X
OK720500010040_00	Cheyenne Creek	R	6	3	2022		X	X							X			X	X				X
OK720500010050_00	Seiling Creek	R	7	3	2022		I	I							X			X					I
OK720500010060_00	Deep Creek	R	12	3	2022		I	I							X			X	X				I
OK720500010070_00	Bent Creek	R	20	3	2022		I	I							X			X	X				I

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OK720500010080_00	Camp Creek	R	20	3	2022		I	I							X			X	X				I
OK720500010090_00	Kizer Creek	R	16	3	2022		X	X							X			X	X				X
OK720500010100_00	Kizer Creek, North	R	10	3	2022		X	X							X			X					X
OK720500010110_00	Cottonwood Creek	R	13	3	2022		X	X							X			X	X				X
OK720500010120_00	Cottonwood Creek, North	R	6	3	2022		X	X							X			X					X
OK720500010130_00	Mutual Creek	R	8	3	2022		X	X							X			X					X
OK720500010140_00	Canadian River, North	R	50	2	2022		I	A			I				A			I					I
OK720500010150_00	Persimmon Creek	R	13	5		2009	A	A							A			N	X				N
OK720500010160_00	Hackberry Creek	R	10	3	2022		X	X							X			X					X
OK720500010170_00	Persimmon Creek, North	R	20	3	2022		X	X							X			X	X				X
OK720500010180_00	Persimmon Creek, South	R	10	3	2022		X	X							X			X	X				X
OK720500010190_00	Sand Creek	R	10	3	2022		X	X							X			X					X
OK720500010200_00	Indian Creek	R	17	3	2022		I	I							X			X	X				I
OK720500010210_00	Mooreland Creek	R	4	3	2022		X	X							X			X					X
OK720500010220_00	Bull Creek	R	5	3	2022		X	X							X			X					X
OK720500010230_00	Boggy Creek	R	5	3	2022		X	X							X			X					X
OK720500010240_00	Boiling Springs Creek	R	2	3	2022		X	X							X			X					X
OK720500010250_00	Woodward Creek	R	6	3	2022		X	X							X			X					X
OK720500010260_00	Crystal Beach Lake	L	10	3	2012		I	X							X			X					X
OK720500010270_00	Spring Creek	R	7	3	2022		X	X							X			X					X
OK720500010280_00	Field Station Lake	L	10	3	2012		I	X							X			X					X
OK720500010290_00	Sand Creek	R	7	3	2022		I	I							X			X					I
OK720500010300_00	Roundup Creek	R	2	3	2022		X	X							X			X					X
OK720500020010_00	Beaver River (North Canadian)	R	43	5		2005	I	A			I				A			N					I
OK720500020030_00	Wolf Creek	R	4	3	2022		X	X							X			X					X
OK720500020040_00	Sand Creek	R	12	3	2022		X	X							X			X					X
OK720500020050_00	Otter Creek	R	14	3	2022		X	X							X			X	X				X
OK720500020060_00	Otter Creek, East	R	10	3	2022		X	X							X			X					X
OK720500020070_00	Clear Creek	R	30	5		2009	I	A			I				A			N	I				I

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OK720500020080_00	Dry Prong Creek	R	9	3	2022		X	X							X			X					X
OK720500020100_00	Spring Creek	R	7	3	2022		X	X							X			X					X
OK720500020110_00	Spring Creek, North Fork	R	6	3	2022		X	X							X			X					X
OK720500020120_00	Spring Creek, South Fork	R	9	3	2022		X	X							X			X					X
OK720500020130_00	Kiowa Creek	R	35	5		2009	I	A			I				A			N	I				N
OK720500020140_00	Beaver River (North Canadian)	R	39	5		2005	I	I			I				I			N					I
OK720500020150_00	Camp Creek	R	19	3	2022		X	X							X			X	X				X
OK720500020160_00	Sand Creek	R	24	3	2022		X	X							X			X	X				X
OK720500020170_00	Indian Creek	R	13	3	2022		X	X							X			X					X
OK720500020180_00	Don Jose Creek	R	9	3	2022		X	X							X			X					X
OK720500020190_00	Coon Creek	R	23	3	2022		X	X							X			X	X				X
OK720500020200_00	Kiowa Creek, North Fork	R	15	3	2022		X	X							X			X					X
OK720500020210_00	Mexico Creek	R	11	3	2022		X	X							X			X	X				X
OK720500020220_00	Evans Chambers Lake	L	80	3	2012		X	X							X			X					I
OK720500020230_00	Kidds Creek	R	8	3	2022		X	X							X			X					X
OK720500020240_00	Knowles Creek	R	7	3	2022		X	X							X			X					X
OK720500020250_00	Duck Pond Creek	R	41	3	2022		X	X							X			X	X				X
OK720500020260_00	Camp Creek	R	13	3	2022		X	X							X			X	X				X
OK720500020270_00	Spring Creek	R	7	3	2022		X	X							X			X					X
OK720500020280_00	Timber Creek	R	8	3	2022		X	X							X			X					X
OK720500020290_00	Beaver River (North Canadian)	R	31	5		2005	I	N			I				I			N					N
OK720500020300_00	Clear Creek	R	23	5		2009	A	A							A			I	X				N
OK720500020310_00	Cottonwood Creek	R	12	3	2022		X	X							X			X	X				X
OK720500020330_00	Clear Creek, South Fork	R	23	3	2022		X	X							X			X	X				X
OK720500020340_00	Clear Creek, North Fork	R	25	3	2022		X	X							X			X	X				X
OK720500020350_00	Spring Creek	R	11	3	2022		X	X							X			X					X
OK720500020370_00	Beaver Pioneer Creek	R	7	3	2022		X	X							X			X					X
OK720500020380_00	Home Creek	R	15	3	2022		X	X							X			X	X				X

OKWBID	NAME	TYPE	SIZE (Lake Acres or Stream Miles)	CATEGORY	Monitoring Date	TMDL Date	Aesthetics	Agriculture	Cool Water Aquatic Community	Emergency Water Supply	Fish Consumption	Habitat Limited Aquatic Community	High Quality Water	Hydropower Generation	Industry	Navigation	Outstanding Resource	Primary Contact (Recreation)	Public/Private Water Supply	Secondary Contact (Recreation)	Sensitive Water Supply	Trout Fishery	Warm Water Aquatic Community
OK720500020390_00	Sixmile Creek	R	24	3	2022		X	X							X			X	X				X
OK720500020400_00	Dugout Creek	R	16	3	2022		X	X							X			X					X
OK720500020410_00	Elm Creek	R	15	3	2022		X	X							X			X					X
OK720500020420_00	Willow Creek	R	18	3	2022		X	X							X			X	X				X
OK720500020430_00	Sharp Creek	R	12	3	2022		X	X							X			X	X				X
OK720500020440_00	Short Creek	R	7	3	2022		X	X							X			X					X
OK720500020450_00	Beaver River (North Canadian)	R	28	5		2005	I	N			I				I			N					I
OK720500020460_00	Jackson Creek	R	22	3	2022		X	X							X			X	X				X
OK720500020470_00	Jackson Creek, East Fork	R	12	3	2022		X	X							X			X					X
OK720500020480_00	Bull Creek	R	17	3	2022		X	X							X			X	X				X
OK720500020490_00	Red Horse Creek	R	9	3	2022		X	X							X			X					X
OK720500020500_00	Palo Duro Creek	R	20	5		2009	I	N			I				I			N	I				N
OK720500020510_00	Fulton Creek	R	17	3	2022		X	X							X			X	X				X
OK720500020520_00	Sand Creek	R	9	3	2022		X	X							X			X	X				X
OK720500020530_00	Chiquita Creek	R	15	3	2022		X	X							X			X	X				X
OK720500020540_00	Webb Lake	L	1	3	2022		X	X							X			X					X
OK720500020550_00	Cottonwood Creek	R	8	3	2022		X	X							X			X					X
OK720500020560_00	Hachberry Creek	R	22	3	2022		X	X							X			X	X				X
OK720500020570_00	Peacher Creek	R	5	3	2022		X	X							X			X					X
OK720500020580_00	Sand Draw	R	6	3	2022		X	X							X			X					X
OK720500020590_00	Dry Creek	R	18	3	2022		X	X							X			X					X
OK720500030010_00	Wolf Creek	R	52	5		2005	I	A			I				A			N	I		X		N
OK720500030020_00	Fort Supply Lake	L	1,880	3	2012		X	X							X			X					X
OK720500030030_00	Eightmile Creek	R	11	3	2022		X	X							X			X					X
OK720500030040_00	Turkey Creek	R	13	3	2022		X	X							X			X					X
OK720500030050_00	Sixteenmile Creek	R	16	3	2022		X	X							X			X	X		X		X
OK720500030060_00	Boggy Creek	R	19	3	2022		X	X							X			X					X
OK720500030070_00	Little Wolf Creek	R	15	3	2022		X	X							X			X	X		X		X
OK720500030080_00	Buzzard Creek	R	10	5		2009	A	A							A			N	X		X		I

OKWBID	NAME	TYPE	SIZE (Lake Acres or Stream Miles)	CATEGORY	Monitoring Date	TMDL Date	Aesthetics	Agriculture	Cool Water Aquatic Community	Emergency Water Supply	Fish Consumption	Habitat Limited Aquatic Community	High Quality Water	Hydropower Generation	Industry	Navigation	Outstanding Resource	Primary Contact (Recreation)	Public/Private Water Supply	Secondary Contact (Recreation)	Sensitive Water Supply	Trout Fishery	Warm Water Aquatic Community
OK720500030090_00	Twentyfivemile Creek	R	20	3	2022		I	I							X			X	X		X		I
OK720500030100_00	Willow Creek	R	12	3	2022		X	X							X			X	X		X		X
OK720500030110_00	Rock Creek	R	15	3	2022		X	X							X			X	X		X		X
OK720500030130_00	Six Pony Creek	R	11	3	2022		X	X							X			X					X
OK720500030140_00	Ivanhoe Creek	R	14	3	2022		X	X							X			X					X
OK720500030150_00	Long Creek	R	12	3	2022		X	X							X			X					X
OK720510000010_00	Beaver River (North Canadian)	R	3	3	2012		X	X							X			X					I
OK720510000020_00	Beaver River (North Canadian)	R	10	3	2022		X	X							X			X	X				X
OK720510000030_00	Optima Lake	L	5,340	3	2012		X	X							X			X					X
OK720510000035_00	Ann Ruth's Stream	R	2	3	2022		X	X							X			X					X
OK720510000040_00	Coldwater Creek	R	25	3	2022		X	X							X			X	X				X
OK720510000050_00	Frisco Creek	R	19	3	2022		X	X							X			X					X
OK720510000060_00	Frisco Creek, North Fork	R	18	3	2022		X	X							X			X					X
OK720510000080_00	Aqua Fria Creek	R	21	3	2022		X	X							X			X					X
OK720510000090_00	Pony Creek	R	34	3	2022		X	X							X			X	X				X
OK720510000100_00	Beaver River (North Canadian), Trib	R	16	3	2022		X	X							X			X	X				X
OK720510000110_00	Goff Creek	R	57	3	2022		X	X							X			X	X				X
OK720510000115_00	Leftover creek	R	4	3	2022		X	X							X			X					X
OK720510000120_00	Cow Creek	R	22	3	2022		X	X							X			X					X
OK720510000140_00	Little Goff Creek	R	19	3	2022		X	X							X			X					X
OK720510000160_00	Sunset Lake	L	10	3	2012		X	X							X			X					X
OK720510000190_00	Beaver River (North Canadian)	R	98	5		2005	I	A			I		X		A			N	I				I
OK720510000200_00	Tepee Creek	R	32	3	2022		X	X							X			X	X				X
OK720510000210_00	Spring Aroa Creek	R	10	3	2022		X	X							X			X					X
OK720510000220_00	Sand Creek	R	42	3	2022		X	X							X			X	X				X
OK720510000230_00	Sand Creek, North	R	13	3	2022		X	X							X			X					X
OK720510000240_00	Cienequilla Creek	R	5	3	2022		X	X							X			X	X				X

OKWBID	NAME	TYPE	SIZE (Lake Acres or Stream Miles)	CATEGORY	Monitoring Date	TMDL Date	Aesthetics	Agriculture	Cool Water Aquatic Community	Emergency Water Supply	Fish Consumption	Habitat Limited Aquatic Community	High Quality Water	Hydropower Generation	Industry	Navigation	Outstanding Resource	Primary Contact (Recreation)	Public/Private Water Supply	Secondary Contact (Recreation)	Sensitive Water Supply	Trout Fishery	Warm Water Aquatic Community
OK720510000275_00	Currumpa Creek	R	2	5		2009	A	I							X			X					N
OK720900000010_00	Cimarron River	R	47	5		2009	A	I					X		X			N	X				I
OK720900000020_00	Burrows Draw	R	5	3	2022		X	X							X			X					X
OK720900000030_00	Nevitt Draw	R	6	3	2022		X	X							X			X					X
OK720900000040_00	King Draw	R	6	3	2022		X	X							X			X					X
OK720900000050_00	Picket House Draw, South	R	9	3	2022		X	X							X			X	X				X
OK720900000060_00	Picket House Draw, North	R	7	3	2022		X	X							X			X					X
OK720900000070_00	Flagg Springs Creek	R	9	3	2022		X	X							X			X					X
OK720900000080_00	Ute Canyon Creek	R	6	3	2022		X	X							X			X					X
OK720900000100_00	Cold Springs Creek	R	33	3	2022		X	X							X			X	X				X
OK720900000110_00	Canyon Creek, North	R	6	3	2022		X	X							X			X					X
OK720900000120_00	Red Canyon Creek	R	3	3	2022		X	X							X			X					X
OK720900000130_00	Gallinas Canyon Creek	R	6	3	2022		X	X							X			X	X				X
OK720900000140_00	Bingaman Canyon Creek	R	4	3	2022		X	X							X			X					X
OK720900000150_00	Lane Canyon Creek	R	5	3	2022		X	X							X			X					X
OK720900000160_00	Sand Canyon Creek	R	1	3	2022		X	X							X			X					X
OK720900000170_00	Pat Canyon Creek	R	3	3	2022		X	X							X			X					X
OK720900000180_00	Cimarron River	R	19	5		2009	A	I					X		X			N	X				N
OK720900000190_00	Water Canyon Creek	R	8	3	2022		X	X							X			X	X				X
OK720900000200_00	Carrizo Creek, South	R	22	5		2009	I	I							X			I	X				N
OK720900000210_00	Cottonwood Canyon Creek	R	8	3	2022		X	X							X			X	X				X
OK720900000220_00	Willow Creek	R	9	3	2022		X	X							X			X					X
OK720900000230_00	Swede Creek	R	7	3	2022		X	X							X			X					X
OK720900000240_00	Carl Etling Lake	L	159	2	2022		A	I							I			I					I
OK720900000250_00	Easley Canyon Creek	R	4	3	2022		X	X							X			X					X
OK720900000260_00	Tesesquite Creek	R	11	3	2022		X	X							X			X	X				X
OK720900000270_00	Burrows Canyon Creek	R	2	3	2022		X	X							X			X					X
OK720900000280_00	Carrizo Creek, North	R	7	5		2009	A	I							X			I	X				N
OK720900000290_00	Road Canyon Creek	R	4	3	2022		X	X							X			X					X

OKWBID	NAME	TYPE	SIZE (Lake Acres or Stream Miles)	CATEGORY	Monitoring Date	TMDL Date	Aesthetics	Agriculture	Cool Water Aquatic Community	Emergency Water Supply	Fish Consumption	Habitat Limited Aquatic Community	High Quality Water	Hydropower Generation	Industry	Navigation	Outstanding Resource	Primary Contact (Recreation)	Public/Private Water Supply	Secondary Contact (Recreation)	Sensitive Water Supply	Trout Fishery	Warm Water Aquatic Community
OK720900000300_00	Coopers Arroyo Creek	R	4	3	2022		X	X							X			X					X
OK720900000310_00	Blacksmith Canyon Creek	R	3	3	2022		X	X							X			X					X
OK720900000320_00	Carrizozo Creek	R	1	3	2022		X	X							X			X	X				X

Appendix C

Category 5 Waterbodies

OKWBID	NAME	SIZE (Lake Acres or Stream Miles)	TYPE	Arsenic	Cause Unknown	Chlorides	Chromium	Copper	Lead	Low DO	Nitrate	Oil and grease	Pathogens	Pesticides	pH	Phosphorus	Selenium	Sulfates	TDS	Turbidity	Unknown toxicity	Zinc
OK120400010070_00	Webbers Falls Lake	11,600	L																	9000		
OK120400010260_00	Arkansas River	15	R										9000									
OK120400020030_00	Dirty Creek, South Fork	16	R							9000												
OK120410010080_00	Arkansas River	29	R										9000						9000			
OK120410010190_00	Bixhoma Lake	110	L							9000												
OK120410010210_00	Haikey Creek	11	R										9000	9000								
OK120420010010_00	Arkansas River	24	R						9000													
OK120420010030_00	Posey Creek	7	R											9000								
OK120420010050_00	Joe Creek	8	R		9000									9000								
OK120420010060_00	Fred Creek	3	R										9000	9000								
OK120420010070_00	Mosser Creek	4	R										9000	9000								
OK120420010090_00	Crow Creek	3	R		9000								9000	9000								
OK120420020160_00	Childres Creek	7	R			5500													5500			
OK121300010010_00	Bird Creek	24	R						9000	9000			9000							9000		
OK121300010060_00	Ranch Creek	7	R										9000									
OK121300010150_00	Delaware Creek	27	R			9000							9000	9000								
OK121300020080_00	Candy Creek	17	R										9000							9000		
OK121300030010_00	Bird Creek	25	R										9000							9000		
OK121300030040_00	Birch Lake	1,137	L							9000												
OK121300030200_00	Clear Creek	20	R										9000									
OK121300030230_00	Pawhuska Lake	96	L							9000												
OK121300030300_00	Bluestem Lake	762	L							9000										9000		
OK121300030320_00	Bird Creek, North	20	R										9000							9000		
OK121300040080_00	Skiatook Lake	10,190	L							9000												
OK121300040280_00	Hominy Creek	34	R			9000							9000						9000	9000		
OK121300040330_00	Hominy Municipal Lake	165	L							9000												
OK121400010010_10	Caney River	46	R						9000				9000							9000		

OKWBID	NAME	SIZE (Lake Acres or Stream Miles)	TYPE	Arsenic	Cause Unknown	Chlorides	Chromium	Copper	Lead	Low DO	Nitrate	Oil and grease	Pathogens	Pesticides	pH	Phosphorus	Selenium	Sulfates	TDS	Turbidity	Unknown toxicity	Zinc
OK121400010090_00	Rabb Creek	6	R																	9000		
OK121400010270_00	Curl Creek	17	R										9000									
OK121400010300_00	Hogshooter Creek	20	R		9000					9000			9000									
OK121400020090_00	Hudson Lake	250	L							9000												
OK121400020140_00	Little Caney River (Caney Creek)	6	R																	9000		
OK121400030170_00	Buck Creek	25	R										9000									
OK121400040010_00	Sand Creek	60	R										9000									
OK121400040050_00	Buck Creek	18	R																	9000		
OK121500010200_00	Verdigris River	6	R						9000				9000							9000		
OK121500020090_00	Bull Creek	19	R							9000			9000							9000		
OK121500020150_00	Adams Creek	20	R										9000									
OK121500020260_00	Verdigris River	18	R						9000													
OK121500020360_00	Dog Creek	10	R		9000					9000			9000									
OK121500020390_00	Cat Creek	7	R		200					9000			9000									
OK121500030010_00	Verdigris River	16	R						9000				9000									
OK121500040010_00	Dog Creek	20	R							9000										9000		
OK121510010020_00	Oologah Lake	29,460	L																	9000		
OK121510010040_00	Spencer Creek	10	R															5000 5700	5000 5700			
OK121510010110_00	Campbell Creek	5	R															5100 5700				
OK121510010120_00	Plumb Creek	8	R															5000 5700	5000 5700			
OK121510010130_00	Lightning Creek	17	R										9000					5100 5700	5100 5700			
OK121510010140_00	Panther Creek	8	R															5000 5700	5000 5700			
OK121510020010_00	Verdigris River	37	R						9000				9000							9000		
OK121510020050_00	California Creek	25	R							9000												
OK121510030010_00	Big Creek	34	R										9000									
OK121600010050_00	Fort Gibson Lake	9,950	L																	9000		
OK121600010060_00	Ranger Creek	11	R										9000									

OKWBID	NAME	SIZE (Lake Acres or Stream Miles)	TYPE	Arsenic	Cause Unknown	Chlorides	Chromium	Copper	Lead	Low DO	Nitrate	Oil and grease	Pathogens	Pesticides	pH	Phosphorus	Selenium	Sulfates	TDS	Turbidity	Unknown toxicity	Zinc
OK121600010100_00	Fourteenmile Creek	26	R										9000									
OK121600010430_00	Chouteau Creek	22	R							9000			9000							9000		
OK121600020050_00	Chimney Rock Lake	1	L							9000												
OK121600020070_00	Little Saline Creek	11	R										9000									
OK121600030020_00	Lake O' the Cherokees	5,813	L							9000												
OK121600030090_00	Drowning Creek	14	R							9000			9000							9000		
OK121600030160_00	Horse Creek	19	R							9000			9000		9000					9000		
OK121600030180_00	Fly Creek	4	R										9000									
OK121600030190_00	Little Horse Creek	6	R							9000			9000									
OK121600030320_00	Whitewater Creek	15	R							9000												
OK121600030340_00	Cave Springs Branch	13	R		200	9000							200 9050					9000	9000			
OK121600030440_00	Elk River	13	R										9000									
OK121600030445_00	Honey Creek	10	R										9050									
OK121600030510_00	Sycamore Creek	9	R										9000									
OK121600040040_00	Hudson Creek	8	R							9000										9000		
OK121600040060_00	Tar Creek	12	R						9000													
OK121600040130_00	Cow Creek	12	R							9000			9000							9000		
OK121600040170_00	Fourmile Creek	7	R							9000			9000							9000		
OK121600040200_00	Russell Creek	11	R							9000			9000									
OK121600050020_00	Spavinaw Lake	1,584	L							9000						9000						
OK121600050070_00	Eucha Lake (Upper Spavinaw)	2,860	L							9000						9000						
OK121600050160_00	Beaty Creek	13	R										9000									
OK121600060010_00	Big Cabin Creek	6	R																	9000		
OK121600060080_00	Little Cabin Creek	33	R										9000									
OK121600060200_00	Bull Creek	11	R							9000			9000					9000	9000	9000		
OK121600060240_00	Pawpaw Creek	18	R							9000			9000					9000	9000			
OK121600070010_00	Spring River	22	R						9000											9000		9000
OK121610000050_00	Pryor Creek	9	R							9000			9000									
OK121610000090_00	Pryor Creek	14	R							9000										9000		
OK121700020020_00	Tenkiller Ferry Lake	6,450	L							9000						9000						

OKWBID	NAME	SIZE (Lake Acres or Stream Miles)	TYPE	Arsenic	Cause Unknown	Chlorides	Chromium	Copper	Lead	Low DO	Nitrate	Oil and grease	Pathogens	Pesticides	pH	Phosphorus	Selenium	Sulfates	TDS	Turbidity	Unknown toxicity	Zinc
OK121700020110_00	Chicken Creek	5	R		9000																	
OK121700030010_00	Illinois River	8	R										9000			9000						
OK121700030040_00	Tahlequah Creek (Town Branch)	6	R										9000									
OK121700030280_00	Illinois River	15	R													9000						
OK121700030350_00	Illinois River	5	R										9000			9000				9000		
OK121700040010_00	Caney Creek	2	R										9000							9000		
OK121700050010_00	Illinois River, Baron Fork	23	R										9000			9000						
OK121700060010_00	Flint Creek	7	R										9000			9000						
OK121700060090_00	Sager Creek	1	R								9000		9000									
OK220100010010_40	Poteau River	27	R					9000	9000											9000		
OK220100010050_00	New Spiro Lake	254	L							9000												
OK220100020020_00	Wister Lake	7,333	L													9000						
OK220100020060_00	Cedar Lake	78	L							9000					9000							
OK220100030010_00	Brazil Creek	18	R			9000				9000			9000						9000	9000		
OK220100040020_00	Fourche Maline Creek	37	R						9000	9000			9000									
OK220100040050_00	Red Oak Creek	11	R							9000					9000			5800	5800	9000		
OK220100040100_00	Lloyd Church Lake (Wilburton City)	160	L							9000					9000					9000		
OK220100040150_00	Wayne Wallace Lake	94	L							9000												
OK220200020020_00	Robert S. Kerr Lake	43,800	L																	9000		
OK220200030040_00	Brushy Creek Lake	358	L							9000					9000							
OK220200030120_00	Stilwell City Lake	188	L							9000												
OK220200040010_40	Sans Bois Creek	28	R							9000			9000							9000		
OK220200040030_00	John Wells Lake (Stigler)	194	L							9000												
OK220200040050_00	Sans Bois Creek, Mountain Fork	19	R										9000		9000							
OK220600010070_00	Longtown Creek	26	R							9000			9000									
OK220600010100_20	Mill Creek	24	R							9000			9000		9000					9000		
OK220600010119_10	Canadian River	39	R															9000	9000	9000		
OK220600010150_00	Pond Creek	6	R			9000													9000			
OK220600020030_00	McAlester Lake	1,521	L												9000							
OK220600020050_00	Talawanda 2 Lake	195	L							9000					9000							

OKWBID	NAME	SIZE (Lake Acres or Stream Miles)	TYPE	Arsenic	Cause Unknown	Chlorides	Chromium	Copper	Lead	Low DO	Nitrate	Oil and grease	Pathogens	Pesticides	pH	Phosphorus	Selenium	Sulfates	TDS	Turbidity	Unknown toxicity	Zinc
OK220600020060_00	Talawanda 1 Lake	91	L							9000					9000							
OK220600030010_00	Brushy Creek	6	R							9000			9000		9000					9000		
OK220600030010_10	Brushy Creek	25	R							9000			9000		9000					9000		
OK220600030050_00	Peaceable Creek	17	R							9000			9000		9000					9000		
OK220600040010_00	Gaines Creek	39	R							9000			9000		5800 9000							
OK220600040030_00	Beaver Creek	12	R							9000			9000		9000					9000		
OK220600040040_00	Pit Creek	8	R							9000					5800			5800	9000			
OK310800010050_00	Texoma Lake, Washita River Arm, Upper	17,600	L							9000												
OK310800010051_00	Old Channel (of Washita)	6	R			5500																
OK310800010240_00	Oil Creek	19	R										9000									
OK310800020010_00	Washita River	32	R										9000							9000		
OK310800020040_00	Sand Branch	6	R										9000							9000		
OK310800020190_00	Chigley Sandy Creek	14	R										9000									
OK310800030010_06	Caddo Creek	10	R			5500													5500			
OK310800030070_00	Ardmore City Lake (City)	142	L							9000												
OK310800030120_00	Site # 18 Lake	248	L							9000					9000					9000		
OK310800030140_00	Jean Neustadt Lake	462	L							9000					9000							
OK310800030265_00	Briar Branch	4	R			5500													5500			
OK310800030280_00	Pruitt Branch	5	R			5500													5500			
OK310800030290_00	Russell Pretty Branch, Trib A!	1	R			5500													5500			
OK310810010010_10	Washita River	33	R										9000						9000	9000		
OK310810010020_00	Wildhorse Creek	9	R			5500													5500			
OK310810010090_00	Rush Creek	5	R			5500													5500			
OK310810010186_00	RC Longmire Lake	745	L							9000												
OK310810020010_00	Washita River	55	R																9000			
OK310810020170_00	Roaring Creek	18	R										9000							9000		
OK310810020200_00	Lafin Creek	13	R										9000									
OK310810020260_00	Stealy Creek!	2	R																9000			
OK310810030010_00	Wildhorse Creek	22	R			5500													5500			
OK310810030130_00	Countyline Creek	4	R			5500													5500			

OKWBID	NAME	SIZE (Lake Acres or Stream Miles)	TYPE	Arsenic	Cause Unknown	Chlorides	Chromium	Copper	Lead	Low DO	Nitrate	Oil and grease	Pathogens	Pesticides	pH	Phosphorus	Selenium	Sulfates	TDS	Turbidity	Unknown toxicity	Zinc
OK310810030135_00	Pernell School Creek!	2	R																5500			
OK310810030140_00	unn Pernell Creek, North	4	R			5500													5500			
OK310810030145_00	unn Pernell Creek	2	R			5500													5500			
OK310810040010_00	Wildhorse Creek	24	R																9000			
OK310810040015_00	West County Line Creek	3	R			5500													5500			
OK310810040030_00	Black Bear Creek	13	R																9000			
OK310810040050_00	Fuqua Lake	1,500	L																	9000		
OK310810040140_00	Wildhorse Creek	13	R																9000			
OK310810050010_00	Rush Creek	58	R			5500 9000													5500			
OK310810050040_00	Murray Creek	7	R															9000	9000			
OK310810050070_00	Unnamed Tributary	1	R			9000																
OK310810050110_00	Rush Creek, Trib D!	1	R			5500													5500			
OK310820010030_00	Bitter Creek	6	R										9000							9000		
OK310820010170_00	Jack Hollow Creek	5	R															9000	9000			
OK310820010230_00	Jack Hollow Creek, Trib A!	3	R															9000	9000			
OK310820020010_00	Little Washita River	37	R										9000									
OK310820020020_00	Rock Creek	5	R															9000	9000			
OK310820020060_00	Bills Creek, East	8	R															8600	8600			
OK310820020080_00	Bills Creek, West	7	R															9000	9000			
OK310820020090_00	Little Rush Creek	5	R			5500												9000	9000			
OK310820020100_00	Charlie Creek	6	R															9000	9000			
OK310820020110_00	McCarty Creek	8	R			5500												9000	5500			
OK310820020120_00	Chetonia Creek	5	R															8600	8600			
OK310820020140_00	Allen's Lake	10	L			5500												9000	5500			
OK310830010010_00	Washita River	30	R										9000							9000		
OK310830030010_00	Washita River	52	R										9000							9000		
OK310830030010_10	Washita River	30	R										9000							9000		
OK310830030190_00	Beaver Creek	23	R															9000				
OK310830030230_00	Barnitz Creek, West	39	R										9000					9000		9000		
OK310830060020_00	Fort Cobb Lake	4,100	L													9000						

OKWBID	NAME	SIZE (Lake Acres or Stream Miles)	TYPE	Arsenic	Cause Unknown	Chlorides	Chromium	Copper	Lead	Low DO	Nitrate	Oil and grease	Pathogens	Pesticides	pH	Phosphorus	Selenium	Sulfates	TDS	Turbidity	Unknown toxicity	Zinc
OK310830060030_00	Willow Creek	11	R										9000									
OK310830060040_00	Lake Creek	16	R		9000					9000										9000		
OK310840010010_00	Washita River	34	R										9000							9000		
OK310840010060_00	Quartermaster Creek	33	R										9000					9000		9000		
OK310840020010_00	Washita River	66	R																	9000		
OK311100010190_20	Red River	51	R			9000							9000					9000		9000		
OK311100020010_00	Hickory Creek	41	R										9000									
OK311100020090_00	Murray Lake, Anadarche Creek Arm, West	1,909	L							9000												
OK311100030010_00	Walnut Bayou	24	R							9000			9000									
OK311100040010_00	Mud Creek	66	R							9000			9000							9000		
OK311100040060_00	Fox Branch	5	R			5500 9000																
OK311100040080_00	Mud Creek, West, Lower	28	R							9000			9000							9000		
OK311200000010_00	Red River	37	R			9000											9000	9000	9000	9000		
OK311200000060_00	Cow Creek	26	R										9000						9000	9000		
OK311200000080_00	Dry Creek	21	R			9000				9000			9000							9000		
OK311200000110_00	Clarity Creek	5	R									8250										
OK311200000120_00	Willow Creek	10	R									8250										
OK311210000030_00	Walker Creek	13	R			5500													5500			
OK311210000050_00	Little Beaver Creek	40	R																9000			
OK311210000140_00	Whisky Creek	10	R										9000					9000				
OK311210000150_00	Cottonwood Creek	7	R										9000					9000		9000		
OK311300010020_00	Cache Creek, East	32	R										9000							9000		
OK311300010080_00	Walters Lake (Boyer)	148	L																	9000		
OK311300020034_00	Ninemile Creek, middle branch	3	R															9000				
OK311300030070_00	Tahoe Creek	17	R										9000							9000		
OK311310010010_00	Red River	88	R			9000							9000				9000	9000	9000	9000		
OK311310020010_00	Cache Creek, West	28	R			9000			9000				9000					9000	9000	9000		
OK311310020060_00	Blue Beaver Creek	21	R										9000									
OK311310030050_00	Brush Creek	12	R			9000				9000			9000					9000	9000	9000		
OK311500010020_10	Red River, North Fork	62	R			9000							9000				9000		9000	9000		

OKWBID	NAME	SIZE (Lake Acres or Stream Miles)	TYPE	Arsenic	Cause Unknown	Chlorides	Chromium	Copper	Lead	Low DO	Nitrate	Oil and grease	Pathogens	Pesticides	pH	Phosphorus	Selenium	Sulfates	TDS	Turbidity	Unknown toxicity	Zinc
OK311500010050_00	Stinking Creek	17	R			9000							9000					9000		9000		
OK311500010110_00	Tepee Creek	20	R			9000				9000			9000							9000		
OK311500020040_00	Otter Creek, West	8	R							9000			9000							9000		
OK311500030010_00	Elk Creek	16	R										9000									
OK311500030040_00	Little Elk Creek	16	R							9000			9000							9000		
OK311510010010_00	Red River, North Fork	59	R										9000									
OK311510010090_00	Timber Creek	12	R																9000			
OK311510020060_00	Turkey Creek	19	R										9000									
OK311600010040_00	Sandy Creek (Lebos)	40	R			9000							9000						9000	9000		
OK311600020010_00	Red River, Salt Fork	14	R										9000				9000			9000		
OK311600020010_10	Red River, Salt Fork	70	R										9000				9000			9000		
OK311600020110_00	Bitter Creek	5	R										9000	9000						9000		
OK311600020140_00	Cave Creek	14	R										9000									
OK311800000010_00	Red River, Elm Fork	63	R										9000				9000					
OK311800000070_00	Deer Creek	23	R										9000							9000		
OK311800000130_00	Fish Creek	18	R			9000				9000			9000					9000		9000		
OK410100010010_10	Red River	23	R																9000			
OK410200010200_00	Little River	32	R							9000										9000		9000
OK410210020020_00	Pine Creek Lake	3,750	L												9000							
OK410210020140_00	Little River	29	R					9000	9000				9000		9000					9000		
OK410210040010_00	Little River, Mountain Fork	10	R						9000				9000									
OK410210050020_00	Broken Bow Lake	14,200	L												9000							
OK410210060010_00	Little River, Mountain Fork	29	R						9000						9000					9000		
OK410210080010_00	Glover River	34	R						9000	9000			9000									
OK410300010040_00	Raymond Gary Lake	263	L							9000					9000							
OK410300020020_00	Hugo Lake	13,250	L																	9000		
OK410300020220_00	Ozzie Cobb Lake	116	L							9000					9000							
OK410300030010_20	Kiamichi River	10	R						9000				9000									
OK410300030210_00	Dumpling Creek	14	R										9000		9000					9000		
OK410300030270_00	Tenmile Creek	36	R							9000			9000		9000					9000		

OKWBID	NAME	SIZE (Lake Acres or Stream Miles)	TYPE	Arsenic	Cause Unknown	Chlorides	Chromium	Copper	Lead	Low DO	Nitrate	Oil and grease	Pathogens	Pesticides	pH	Phosphorus	Selenium	Sulfates	TDS	Turbidity	Unknown toxicity	Zinc
OK410300030580_00	Pine Creek	23	R												9000							
OK410310010010_00	Kiamichi River	29	R					9000	9000													
OK410310010070_00	Dry Creek	6	R										9000					9000	9000			
OK410310010220_00	Carl Albert Lake	183	L							9000					9000							
OK410310010230_00	Talihina Lake	25	L																	2000 5500		
OK410310020010_10	Kiamichi River	29	R						9000						9000							
OK410310030090_00	Bolen Creek	9	R			9000							9000		9000			9000	9000	9000		
OK410400010010_20	Red River	5	R			9000							9000					9000	9000			
OK410400010070_00	Muddy Boggy Creek	22	R						9000				9000							9000		
OK410400030010_00	Clear Boggy Creek	23	R						9000				9000							9000		
OK410400040170_00	Lake Creek	3	R	5500		5500	5500		5500										5500			
OK410400050270_10	Muddy Boggy Creek	22	R							9000										9000		
OK410400060010_30	Muddy Boggy Creek	21	R			5500									5500				5500			
OK410400070020_00	McGee Lake	3,810	L							9000												
OK410400080020_00	Atoka Lake	5,700	L																	9000		
OK410600010010_00	Blue River	48	R										9000									
OK410700000230_00	Eastman Creek	7	R										9000							9000		
OK520500010110_00	Canadian River, North	59	R						9000				9000							9000		
OK520500010170_00	Bad Creek	19	R			1000 5500				9000												
OK520500010200_00	Alabama Creek	14	R			5500													5500			
OK520500010242_00	Clearview Creek	5	R			9000													9000			
OK520500010270_00	Wetumka City Lake	175	L																	9000		
OK520500010280_00	Flat Rock Creek	11	R							9000												
OK520500020010_00	Wewoka Creek	46	R		7550	5500 9000							9000							9000		
OK520500020020_00	Greasy Creek	18	R							9000					9000					9000		
OK520500020027_00	Cheyarha Creek East	4	R			5500													5500			
OK520500020090_00	Little Wewoka Creek	20	R																	9000		
OK520500020230_00	Carter Creek	3	R			5500 9000													5500 9000			

OKWBID	NAME	SIZE (Lake Acres or Stream Miles)	TYPE	Arsenic	Cause Unknown	Chlorides	Chromium	Copper	Lead	Low DO	Nitrate	Oil and grease	Pathogens	Pesticides	pH	Phosphorus	Selenium	Sulfates	TDS	Turbidity	Unknown toxicity	Zinc
OK520500020240_00	Wewoka Creek	12	R								200 6500							200 6500				
OK520500020250_00	Magnolia Creek	5	R			5500													5500			
OK520500020260_00	Salt Cedar Creek	1	R			5500													5500			
OK520500020260_20	Salt Cedar Creek	1	R			5500													5500			
OK520510000010_00	Canadian River, North	46	R						9000				9000							9000		
OK520510000050_00	Sand Creek	15	R			5500													5500			
OK520510000095_00	Turkey Creek, Trib A!	5	R			5500													5500			
OK520510000100_00	Turkey Creek	17	R			5500													5500	9000		
OK520510000105_00	Earlsboro Creek	5	R			5500													5500			
OK520510000110_00	Canadian River, North	32	R						9000				9000		9000				9000	9000		
OK520510000220_00	Tecumseh Lake	138	L																	9000		
OK520510000300_00	Shawnee 2 Lake (North 2)	1,100	L							9000												
OK520520000010_00	Canadian River, North	4	R										9000		9000					9000		
OK520520000070_00	Crutcho Creek	6	R										9000									
OK520520000090_00	Crutcho Creek	2	R									6100										
OK520520000150_00	Crooked Oak Creek	7	R			9000				9000			9000						9000	9000		
OK520520000240_00	Mustang Creek	9	R										9000									
OK520520000260_00	Overholser Lake	1,500	L																	9000		
OK520530000010_10	Canadian River, North	101	R										9000							9000		
OK520530000030_00	Shell Creek	9	R							9000			9000							9000		
OK520530000080_00	El Reno Lake	170	L																	9000		
OK520600010010_00	Canadian River	39	R										9000					9000	9000	9000		
OK520600010060_00	Factory Creek	6	R										9000									
OK520600020010_00	Canadian River	25	R															9000	9000			
OK520600020050_00	Bebee Creek	4	R									5500							9000			
OK520600020170_00	Julian Creek	6	R			5500 9000							9000						5500			
OK520600020205_00	Red Spring's Creek	2	R																9000			
OK520600030030_00	Spring Brook	27	R										9000							9000		
OK520610010010_00	Canadian River	45	R										9000		9000				9000	9000		

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OK520610010080_00	Willow Creek	9	R										9000	9000						9000		
OK520610010180_00	Bishop Creek	8	R										9000	9000								
OK520610020120_00	Buggy Creek	27	R										9000							9000		
OK520610020150_00	Canadian River	39	R										9000					9000	9000			
OK520610020165_00	Trib8	4	R	8200		8200	8200												8200			
OK520610030080_00	Walnut Creek, North Fork	17	R										9000							9000		
OK520620010010_00	Canadian River	42	R										9000									
OK520620010100_00	American Horse Lake	100	L							9000												
OK520620010120_00	Bear Creek	6	R										9000									
OK520620020010_00	Canadian River	39	R										9000					9000	9000			
OK520620020060_00	Flanders Creek	5	R															8600	8600			
OK520620020070_00	Fiddlers Creek	7	R															8600	8600			
OK520620020080_00	Squirrel Creek	10	R															8600	8600			
OK520620020090_00	Trail Creek	14	R										9000					9000				
OK520620030010_00	Canadian River	38	R															9000				
OK520620030020_00	Lone Creek	13	R										9000					9000	9000			
OK520620030050_00	Red Trail Creek	8	R										9000					9000		9000		
OK520620030110_00	Red Creek	12	R										9000					9000				
OK520620040050_00	Hackberry Creek	16	R										9000					9000				
OK520620050160_00	Commission Creek	13	R										9000									
OK520620060010_00	Deer Creek	56	R										9000					8600	8600			
OK520620060070_00	Little Deer Creek	15	R															8600	8600			
OK520620060080_00	Horse Creek	18	R															8600				
OK520700010110_00	Grave Creek	16	R			5500																
OK520700010180_00	Henryetta Lake	450	L												9000							
OK520700020010_00	Canadian River, Deep Fork	43	R										9000							9000		
OK520700020040_00	Okmulgee Lake	668	L							9000												
OK520700020080_00	Adams Creek	14	R							9000												
OK520700020150_00	Salt Creek	10	R			9000				9000												
OK520700020155_00	Begger Creek	2	R			5500													5500			
OK520700020200_00	Nuyaka Creek	22	R							9000										9000		

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OK520700030020_00	Walnut Creek	15	R																	9000		
OK520700030270_00	Hilliby Creek	13	R		7550																	
OK520700040010_00	Canadian River, Deep Fork	17	R						9000				9000									
OK520700040220_00	Prague Lake	225	L							9000												
OK520700040370_00	Meeker Lake	250	L																	9000		
OK520700050060_00	Chandler Lake	129	L							9000												
OK520700050080_00	Bellcow Creek, North	5	R									8400										
OK520700050140_00	Captain Creek	4	R										9000							9000		
OK520700050200_00	Opossum Creek	7	R																	9000		
OK520700050250_00	Chandler Lake, NW Trib!	2	R									8400										
OK520700060010_00	Little Deep Fork Creek	20	R																	9000		
OK520700060050_00	Browns Creek	14	R							9000												
OK520700060130_10	Little Deep Fork Creek	24	R										9000							9000		
OK520700060140_00	Catfish Creek	10	R			9000													9000	9000		
OK520700060210_00	Spring Creek, West	7	R			5500													5500			
OK520710010030_00	Coon Creek	12	R											9000								
OK520710020030_00	Spring Creek	8	R										9000									
OK520710020060_00	Canadian River, Deep Fork	10	R										9000									
OK520800010010_00	Little River	25	R						9000				9000				9000			9000		
OK520800010050_00	Bird Creek	14	R		7550										9000							
OK520800010055_00	Kight Creek	4	R			5500													5500			
OK520800010060_00	Cudjo Creek	6	R			5500													5500			
OK520800010062_00	Bear Cub Creek	4	R												5500							
OK520800010090_00	Little River	28	R			5500													5500			
OK520800030010_00	Salt Creek	39	R			5500																
OK520800030070_00	Bruno Creek	10	R			5500													5500			
OK520800030080_00	Popshego Creek	4	R			5500													5500			
OK520800030120_00	Blacksmith Creek	6	R			5500													5500			
OK520810000020_00	Thunderbird Lake	6,070	L							9000										9000		
OK520810000100_00	Elm Creek	1	R										9000						9000			

OKWBID	NAME	SIZE (Lake Acres or Stream Miles)	TYPE	Arsenic	Cause Unknown	Chlorides	Chromium	Copper	Lead	Low DO	Nitrate	Oil and grease	Pathogens	Pesticides	pH	Phosphorus	Selenium	Sulfates	TDS	Turbidity	Unknown toxicity	Zinc
OK520810000130_00	Stanley Draper Lake	2,900	L																	9000		
OK520810000175_00	Moore Creek	5	R			5500													5500			
OK620900010170_10	Cimarron River	26	R										9000							9000		
OK620900010180_00	Lagoon Creek	25	R										9000							9000		
OK620900010220_00	Buckeye Creek	13	R										9000							9000		
OK620900010290_00	Euchee Creek	22	R										9000		9000					9000		
OK620900020050_00	Council Creek	22	R										9000							9000		
OK620900020120_00	Cushing Lake	591	L																	9000		
OK620900030010_00	Cimarron River	42	R										9000					9000		9000		
OK620900030260_00	Beaver Creek, West	13	R										9000							9000		
OK620900040050_00	Little Stillwater Creek	14	R								200 6500											
OK620900040270_00	Stillwater Creek	17	R							9000										9000		
OK620900040280_00	Carl Blackwell Lake	3,370	L																	9000		
OK620910010010_00	Cimarron River	37	R										9000									
OK620910020010_00	Cimarron River	59	R										9000				9000					
OK620910020270_00	Elm Creek	14	R										9000							9000		
OK620910030010_00	Skeleton Creek	34	R										9000							9000		
OK620910030040_00	Otter Creek	30	R										9000							9000		
OK620910030240_00	Skeleton Creek	20	R										9000									
OK620910040010_20	Cottonwood Creek	24	R										9000							9000		
OK620910040080_00	Liberty Lake	167	L							9000												
OK620910040100_00	Chisholm Creek	21	R										9000							9000		
OK620910040120_00	Deer Creek	13	R										9000	9000						9000		
OK620910050010_00	Kingfisher Creek	47	R										9000							9000		
OK620910050020_00	Trail Creek	15	R							9000			9000							9000		
OK620910060010_00	Turkey Creek	83	R										9000							9000		
OK620910060020_00	Little Turkey Creek	11	R							9000			9000							9000		
OK620910060030_00	Buffalo Creek	14	R							9000			9000							9000		
OK620910060110_00	Clear Creek	5	R										9000							9000		
OK620920010010_00	Cimarron River	43	R										9000							9000		
OK620920010080_00	Cottonwood Creek	22	R										9000		9000					9000		

OKWBID	NAME	SIZE (Lake Acres or Stream Miles)	TYPE	Arsenic	Cause Unknown	Chlorides	Chromium	Copper	Lead	Low DO	Nitrate	Oil and grease	Pathogens	Pesticides	pH	Phosphorus	Selenium	Sulfates	TDS	Turbidity	Unknown toxicity	Zinc
OK620920010130_00	Griever Creek	20	R										9000									
OK620920020010_00	Cimarron River	33	R			9000																
OK620920020170_00	Traders Creek	22	R										9000									
OK620920030010_00	Cimarron River	24	R										9000									
OK620920040170_00	Lojo creek	5	R														9000					
OK620920050010_00	Buffalo Creek	49	R										9000							9000		
OK620920050060_00	Selman Creek	11	R														9000					
OK620920050070_00	Little Buffalo Creek	4	R														8600					
OK620930000010_00	Cimarron River	38	R			9000							9000				9000		9000			
OK621000010010_30	Arkansas River, Salt Fork	34	R										9000							9000		
OK621000010060_00	Bird's Nest Creek	23	R			5500													5500			
OK621000020130_00	Spring Creek	6	R										9000							9000		
OK621000030010_00	Bois d' Arc Creek	37	R										9000				9000		9000			
OK621010010160_00	Arkansas River, Salt Fork	15	R										9000				9000			9000		
OK621010010230_00	Turkey Creek	25	R										9000				8600 9000	8600	9000			
OK621010010240_00	Boggy Creek	16	R														8600	8600				
OK621010010270_00	Yellowstone Creek	22	R										9000				9000		9000			
OK621010020010_00	Sandy Creek	18	R										9000							9000		
OK621010030080_00	Capron Creek, North	8	R														9000					
OK621100000010_10	Chikaskia River	36	R						9000				9000							9000		
OK621100000030_00	Duck Creek	26	R										9000				9000	9000	9000			
OK621100000033_00	Duckling Creek	2	R			5500											9000	5500 9000				
OK621100000100_00	Bitter Creek	23	R			1000 5500							9000				9000	1000 5500	9000			
OK621100000130_00	Scatter Creek	8	R			5500											9000	5500 9000				
OK621200010020_00	Keystone Lake	5,903	L																	9000		
OK621200010200_00	Arkansas River	38	R										9000							9000		
OK621200010400_00	Gray Horse Creek	16	R										9000							9000		
OK621200020020_00	Doga Creek	10	R										9000		9000					9000		

OKWBID	NAME	SIZE (Lake Acres or Stream Miles)	TYPE	Arsenic	Cause Unknown	Chlorides	Chromium	Copper	Lead	Low DO	Nitrate	Oil and grease	Pathogens	Pesticides	pH	Phosphorus	Selenium	Sulfates	TDS	Turbidity	Unknown toxicity	Zinc
OK621200030010_00	Black Bear Creek	68	R						9000				9000							9000	9000	
OK621200030040_00	Camp Creek	27	R										9000									
OK621200030396_00	Lucien Creek	4	R			5500												9000	5500			
OK621200040040_00	Fairfax Lake	111	L							9000												
OK621200050010_00	Red Rock Creek	37	R																	9000		
OK621210000010_00	Arkansas River	17	R										9000					9000	9000	9000		
OK621210000020_00	Kaw Lake	5,680	L																	9000		
OK720500010010_00	Canadian River, North	46	R										9000							9000		
OK720500010150_00	Persimmon Creek	13	R										9000							9000		
OK720500020010_00	Beaver River (North Canadian)	43	R										9000									
OK720500020070_00	Clear Creek	30	R										9000									
OK720500020130_00	Kiowa Creek	35	R										9000							9000		
OK720500020140_00	Beaver River (North Canadian)	39	R										9000									
OK720500020290_00	Beaver River (North Canadian)	31	R			9000							9000				9000		9000			
OK720500020300_00	Clear Creek	23	R							9000												
OK720500020450_00	Beaver River (North Canadian)	28	R			1000 1600							9000					1000 1600	1000 1600			
OK720500020500_00	Palo Duro Creek	20	R			9000				9000			9000				9000	9000	9000	9000		
OK720500030010_00	Wolf Creek	52	R										9000							9000		
OK720500030080_00	Buzzard Creek	10	R										9000									
OK720510000190_00	Beaver River (North Canadian)	98	R										9000									
OK720510000275_00	Currumpa Creek	2	R							9000												
OK720900000010_00	Cimarron River	47	R										9000									
OK720900000180_00	Cimarron River	19	R										9000							9000		
OK720900000200_00	Carrizo Creek, South	22	R							9000												
OK720900000280_00	Carrizo Creek, North	7	R												9000							

Appendix D

1998 303(d) Justification Document

Following is the list of the waterbody-pollutant pairs exactly as they appeared on the 1998 Oklahoma Impaired Waters List (303(d) List). The “Status on 2002 Draft List” column indicates whether the waterbody-pollutant pair is still on the 2002 303(d) list (“K”) or not (“R”). The “2002 Status Change Justification” column gives a brief description of the reason for the status.

Note that while this table may indicate that a waterbody-pollutant pair does not appear on the 2002 list, it does not necessarily indicate that the waterbody is no longer impaired.

1998 Key	Waterbody ID	Name	Cause Code	Cause	Status on 2002 Draft List	2002 Status Change Justification
252	OK120400010010	Arkansas River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
251	OK120400010010	Arkansas River	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
254	OK120400010020	Dirty Creek (Checotah)	200	Pesticides	R	Erroneous listing; wrong WBID or duplicate entry
255	OK120400010020	Dirty Creek (Checotah)	500	Metals	R	Erroneous listing; wrong WBID or duplicate entry
253	OK120400010020	Dirty Creek (Checotah)	1000	pH	R	Erroneous listing; wrong WBID or duplicate entry
1394	OK120400010060	Arkansas River	900	Nutrients	R	Erroneous listing; wrong WBID or duplicate entry
1393	OK120400010060	Arkansas River	1200	Organic Enrichment/DO	R	Erroneous listing; wrong WBID or duplicate entry
256	OK120400010070	Webbers Falls Reservoir	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1567	OK120400010070	Webbers Falls Reservoir	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
257	OK120400010130	Greenleaf Lake	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
258	OK120400010130	Greenleaf Lake	900	Nutrients	R	Attaining Aesthetics use.
259	OK120400010400	Coody Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
260	OK120400010400	Coody Creek	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
261	OK120400020010	Dirty Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
262	OK120400020030	Dirty Creek, South Fork	100	Unknown Toxicity	R	Erroneous listing; wrong WBID or duplicate entry

1998 Key	Waterbody ID	Name	Cause Code	Cause	Status on 2002 Draft List	2002 Status Change Justification
263	OK120400020030	South Fork	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
264	OK120400020030	Dirty Creek, South Fork	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
265	OK120400020030	South Fork	500	Metals	R	Erroneous listing; wrong WBID or duplicate entry
266	OK120400020030	Dirty Creek, South Fork	800	Other Inorganics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
267	OK120400020030	South Fork	800	Other Inorganics	R	Erroneous listing; wrong WBID or duplicate entry
206	OK120400020030	Dirty Creek, South Fork	1200	Organic Enrichment/DO	R	Erroneous listing; wrong WBID or duplicate entry
1323	OK120400020030	South Fork	1200	Organic Enrichment/DO	R	Erroneous listing; wrong WBID or duplicate entry
268	OK120400020110	George's Fork	900	Nutrients	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
269	OK120400020160	Butler Creek	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
270	OK120400020190	Elk Creek (Checotah)	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
272	OK120400020240	Shady Grove Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
273	OK120400020240	Shady Grove Creek	900	Nutrients	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
271	OK120400020240	Shady Grove Creek	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1395	OK120400020240	Shady Grove Creek	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
275	OK120410010010	Arkansas River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
276	OK120410010010	Arkansas River	300	Priority Organics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
274	OK120410010010	Arkansas River	1700	Pathogens	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
278	OK120410010080	Arkansas River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
279	OK120410010080	Arkansas River	300	Priority Organics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

1998 Key	Waterbody ID	Name	Cause Code	Cause	Status on 2002 Draft List	2002 Status Change Justification
277	OK120410010080	Arkansas River	1700	Pathogens	K	Still on list.
280	OK120410010100	Cloud (Cane) Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
281	OK120410010100	Cloud (Cane) Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
282	OK120410010220	Snake (Duck) Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
283	OK120410010220	Snake (Duck) Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
284	OK120410020010	Cloud (Cane) Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
285	OK120410020010	Cloud (Cane) Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
286	OK120410020070	Boynton Lake	900	Nutrients	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
287	OK120410030010	Snake Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
288	OK120410030010	Snake Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
290	OK120420010010	Arkansas River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
291	OK120420010010	Arkansas River	300	Priority Organics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
292	OK120420010010	Arkansas River	500	Metals	K	Still on list.
289	OK120420010010	Arkansas River	1700	Pathogens	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
293	OK120420010040	Polecat Creek	200	Pesticides	R	Erroneous listing; wrong WBID or duplicate entry
294	OK120420010040	Polecat Creek	500	Metals	R	Erroneous listing; wrong WBID or duplicate entry
295	OK120420010040	Polecat Creek	800	Other Inorganics	R	Erroneous listing; wrong WBID or duplicate entry
297	OK120420010130	Arkansas River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
298	OK120420010130	Arkansas River	300	Priority Organics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
299	OK120420010130	Arkansas River	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

1998 Key	Waterbody ID	Name	Cause Code	Cause	Status on 2002 Draft List	2002 Status Change Justification
296	OK120420010130	Arkansas River	1700	Pathogens	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
300	OK120420020010	Polecat Creek	200	Pesticides	R	Attaining WWAC Use.
301	OK120420020010	Polecat Creek	500	Metals	R	Attaining WWAC Use.
302	OK120420020010	Polecat Creek	800	Other Inorganics	R	Attaining WWAC Use.
303	OK120420020050	Polecat Creek	200	Pesticides	R	Attaining WWAC Use.
304	OK120420020050	Polecat Creek	500	Metals	R	Attaining WWAC Use.
305	OK120420020050	Polecat Creek	800	Other Inorganics	R	Attaining WWAC Use.
1568	OK120420020130	Sahoma Lake	900	Nutrients	R	Attaining Aesthetics use.
306	OK120420020130	Sahoma Lake	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
307	OK120420020130	Sahoma Lake	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
308	OK120420020130	Sahoma Lake	2400	Total Toxics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
309	OK120420020160	Childress Creek	1200	Organic Enrichment/DO	R	Included in Polecat Creek TMDL (INCOG); TMDL approved and implemented. No evidence of further impairment. Still in Category 5 for other pollutants.
235	OK120420020160	Childress Creek	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750). Still in Category 5 for other pollutants.
310	OK120420020290	Polecat Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
313	OK120420020300	Heyburn Reservoir	300	Priority Organics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
314	OK120420020300	Heyburn Reservoir	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
311	OK120420020300	Heyburn Reservoir	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1569	OK120420020300	Heyburn Reservoir	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
312	OK120420020300	Heyburn Reservoir	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
316	OK121300010010	Bird Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
317	OK121300010010	Bird Creek	500	Metals	K	Still on list.

1998 Key	Waterbody ID	Name	Cause Code	Cause	Status on 2002 Draft List	2002 Status Change Justification
315	OK121300010010	Bird Creek	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
318	OK121300010030	Mingo Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
319	OK121300010030	Mingo Creek (unlisted trib.)	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
320	OK121300010030	Mingo Creek	500	Metals	R	Data indicate no impairment for this pollutant.
321	OK121300010030	Mingo Creek	500	Metals	R	Erroneous listing; wrong WBID or duplicate entry
322	OK121300010030	Mingo Creek (unlisted trib.)	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
323	OK121300010030	Mingo Creek (unlisted trib.)	500	Metals	R	Erroneous listing; wrong WBID or duplicate entry
324	OK121300010040	Knudson Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
325	OK121300010110	Recreation Lake	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1396	OK121300010120	Flat rock Creek	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1397	OK121300010140	Dirty Butter Creek	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
327	OK121300020010	Bird Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
326	OK121300020010	Bird Creek	1200	Organic Enrichment/DO	R	Data indicate no impairment for this cause.
328	OK121300030010	Bird Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
329	OK121300030290	Bird Creek	1100	Siltation	R	Originally listed in error based on highflow turbidity sampling. INCOG turbidity data indicates no impairment.
330	OK121300030290	Bird Creek	2100	Suspended Solids	R	Originally listed in error based on highflow turbidity sampling. INCOG turbidity data indicates no impairment.
331	OK121300030300	Bluestem Reservoir	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
332	OK121300030300	Bluestem Reservoir	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1398	OK121300040070	Hominy Creek	200	Pesticides	R	Erroneous listing; wrong WBID or duplicate entry
333	OK121300040080	Skiatook Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1570	OK121400010010	Caney River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
334	OK121400010010	Caney River	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.

1998 Key	Waterbody ID	Name	Cause Code	Cause	Status on 2002 Draft List	2002 Status Change Justification
335	OK121400010010	Caney River	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
336	OK121400010040	Collinsville Lake	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1571	OK121400010320	Keeler Creek (Ochelata)	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1399	OK121400010320	Keeler Creek (Ochelata)	1200	Organic Enrichment/DO	4a	TMDL approved.
337	OK121400020140	Little Caney River	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
338	OK121400020140	Little Caney River	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
340	OK121400030010	Caney River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
339	OK121400030010	Caney River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1400	OK121400030010	Caney River	1500	Flow Alteration	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
342	OK121400030020	Hulah Lake	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
341	OK121400030020	Hulah Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
343	OK121400040020	Eliza Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
344	OK121400050010	Little Caney River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1401	OK121400050010	Little Caney River	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
345	OK121400050010	Little Caney River	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
346	OK121400050020	Copan Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
347	OK121500010060	Verdigris River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
348	OK121500010070	Chouteau Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
349	OK121500010100	Coal Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

1998 Key	Waterbody ID	Name	Cause Code	Cause	Status on 2002 Draft List	2002 Status Change Justification
350	OK121500010200	Verdigris River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
351	OK121500010210	Chouteau Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
352	OK121500020010	Verdigris River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
353	OK121500020020	Chouteau Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
354	OK121500020100	Pea Creek	1200	Organic Enrichment/DO	4a	TMDL complete.
355	OK121500020110	Inola Creek	1200	Organic Enrichment/DO	4a	TMDL complete.
359	OK121500020120	Verdigris River	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
356	OK121500020120	Verdigris River	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
357	OK121500020120	Verdigris River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
358	OK121500020120	Verdigris River	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
363	OK121500020130	Newt Graham Lake	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
360	OK121500020130	Newt Graham Lake	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
361	OK121500020130	Newt Graham Lake	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
362	OK121500020130	Newt Graham Lake	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
366	OK121500020150	Adams Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
364	OK121500020150	Adams Creek	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
365	OK121500020150	Adams Creek	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
367	OK121500020360	Dog Creek (Claremore & others)	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.

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1402	OK121500020360	Dog Creek (Claremore & others)	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
368	OK121500020390	Cat Creek	1200	Organic Enrichment/DO	K	Draft TMDL under review.
1403	OK121500020500	Verdigris River	1500	Flow Alteration	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
371	OK121500030010	Verdigris River	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1572	OK121500030010	Verdigris River	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
369	OK121500030010	Verdigris River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
370	OK121500030010	Verdigris River	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
375	OK121500030020	Newt Graham Lake	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
372	OK121500030020	Newt Graham Lake	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
373	OK121500030020	Newt Graham Lake	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
374	OK121500030020	Newt Graham Lake	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
1404	OK121500030070	Fourmile Creek (Oologah)	1200	Organic Enrichment/DO	4a	TMDL approved.
376	OK121500040010	Dog Creek (Claremore & others)	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
379	OK121500040030	Little Dog Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1573	OK121500040030	Little Dog Creek	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
377	OK121500040030	Little Dog Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
378	OK121500040030	Little Dog Creek	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1406	OK121510010010	Verdigris River	200	Pesticides	R	Erroneous listing; wrong WBID or duplicate entry
1405	OK121510010010	Verdigris River	1100	Siltation	R	Erroneous listing; wrong WBID or duplicate entry
1574	OK121510010010	Verdigris River	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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1575	OK121510010010	Verdigris River	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
381	OK121510010020	Oologah Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
380	OK121510010020	Oologah Lake	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
382	OK121510010020	Oologah Lake	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
384	OK121510010130	Lightning Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
383	OK121510010130	Lightning Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
385	OK121510020050	California Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
386	OK121510020320	Chouteau Lake Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1349	OK121520010130	Madden (Lightening Creek)	900	Nutrients	R	Erroneous listing; wrong WBID or duplicate entry
1348	OK121520010130	Madden (Lightening Creek)	1100	Siltation	R	Erroneous listing; wrong WBID or duplicate entry
388	OK121600010040	Neosho (Grand) River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
389	OK121600010040	Neosho (Grand) River	300	Priority Organics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
390	OK121600010040	Neosho (Grand) River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
387	OK121600010040	Neosho (Grand) River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
392	OK121600010050	Fort Gibson Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
393	OK121600010050	Fort Gibson Lake	300	Priority Organics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
394	OK121600010050	Fort Gibson Lake	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1576	OK121600010050	Fort Gibson Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
391	OK121600010050	Fort Gibson Lake	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
396	OK121600010150	Jackson Bay, Ft. Gibson Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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397	OK121600010150	Jackson Bay, Ft. Gibson Lake	300	Priority Organics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
398	OK121600010150	Jackson Bay, Ft. Gibson Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
395	OK121600010150	Jackson Bay, Ft. Gibson Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
400	OK121600010170	Long Bay, Ft. Gibson Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
401	OK121600010170	Long Bay, Ft. Gibson Lake	300	Priority Organics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
402	OK121600010170	Long Bay, Ft. Gibson Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
399	OK121600010170	Long Bay, Ft. Gibson Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
404	OK121600010180	North Bay, Ft. Gibson Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
405	OK121600010180	North Bay, Ft. Gibson Lake	300	Priority Organics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
406	OK121600010180	North Bay, Ft. Gibson Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
403	OK121600010180	North Bay, Ft. Gibson Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
408	OK121600010190	Neosho (Grand) River	300	Priority Organics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
407	OK121600010190	Neosho (Grand) River	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
409	OK121600010200	Fort Gibson Lake, Upper	300	Priority Organics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
410	OK121600010240	Flat Rock Bay Ft. Gibson Lake	300	Priority Organics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1407	OK121600010280	Neosho (Grand) River	300	Priority Organics	R	Erroneous listing; wrong WBID or duplicate entry
1577	OK121600010280	Neosho (Grand) River	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1578	OK121600010290	Spring Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.

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1408	OK121600010290	Spring Creek	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1412	OK121600020010	Neosho (Grand) River	500	Metals	R	Erroneous listing; wrong WBID or duplicate entry
1409	OK121600020010	Neosho (Grand) River	1000	pH	R	Erroneous listing; wrong WBID or duplicate entry
1410	OK121600020010	Neosho (Grand) River	1100	Siltation	R	Erroneous listing; wrong WBID or duplicate entry
1411	OK121600020010	Neosho (Grand) River	1200	Organic Enrichment/DO	R	Erroneous listing; wrong WBID or duplicate entry
411	OK121600020020	Hudson Lake, Lower	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
413	OK121600020020	Hudson Lake, Lower	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
412	OK121600020020	Hudson Lake, Lower	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1416	OK121600020130	Neosho (Grand) River	500	Metals	R	Erroneous listing; wrong WBID or duplicate entry
1413	OK121600020130	Neosho (Grand) River	1000	pH	R	Erroneous listing; wrong WBID or duplicate entry
1414	OK121600020130	Neosho (Grand) River	1100	Siltation	R	Erroneous listing; wrong WBID or duplicate entry
1415	OK121600020130	Neosho (Grand) River	1200	Organic Enrichment/DO	R	Erroneous listing; wrong WBID or duplicate entry
415	OK121600020140	Hudson Lake, Upper	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1579	OK121600020140	Hudson Lake, Upper	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
414	OK121600020140	Hudson Lake, Upper	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
207	OK121600020170	Neosho (Grand) River	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
418	OK121600020180	Rock Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
416	OK121600020180	Rock Creek	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
417	OK121600020180	Rock Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
419	OK121600020190	Big Cabin Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1418	OK121600030010	Neosho (Grand) River	900	Nutrients	R	Erroneous listing; wrong WBID or duplicate entry
1417	OK121600030010	Neosho (Grand) River	1200	Organic Enrichment/DO	R	Erroneous listing; wrong WBID or duplicate entry

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420	OK121600030020	Lake O' the Cherokees (Grand)	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
422	OK121600030020	Lake O' the Cherokees (Grand)	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
423	OK121600030020	Lake O' the Cherokees (Grand)	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1580	OK121600030020	Lake O' the Cherokees (Grand)	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1581	OK121600030020	Lake O' the Cherokees (Grand)	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
421	OK121600030020	Lake O' the Cherokees (Grand)	2400	Total Toxics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
425	OK121600030050	Neosho (Grand) River	900	Nutrients	R	Erroneous listing; waterbody lies beneath Lake O' the Cherokees
424	OK121600030050	Neosho (Grand) River	1200	Organic Enrichment/DO	R	Erroneous listing; waterbody lies beneath Lake O' the Cherokees
426	OK121600030060	Lake O' the Cherokees (Grand)	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
427	OK121600030060	Lake O' the Cherokees (Grand)	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
428	OK121600030060	Lake O' the Cherokees (Grand)	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1582	OK121600030060	Lake O' the Cherokees (Grand)	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1583	OK121600030060	Lake O' the Cherokees (Grand)	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
429	OK121600030080	Duck Creek Cove, Grand Lake	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
432	OK121600030080	Duck Creek Cove, Grand Lake	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
433	OK121600030080	Duck Creek Cove, Grand Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
430	OK121600030080	Duck Creek Cove, Grand Lake	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
431	OK121600030080	Duck Creek Cove, Grand Lake	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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1420	OK121600030140	Neosho (Grand) River	900	Nutrients	R	Erroneous listing; wrong WBID or duplicate entry
1419	OK121600030140	Neosho (Grand) River	1200	Organic Enrichment/DO	R	Erroneous listing; wrong WBID or duplicate entry
434	OK121600030150	Lake O' the Cherokees, Lower Middle	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
436	OK121600030150	Lake O' the Cherokees, Lower Middle	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
437	OK121600030150	Lake O' the Cherokees, Lower Middle	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
438	OK121600030150	Lake O' the Cherokees, Lower Middle	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
435	OK121600030150	Lake O' the Cherokees, Lower Middle	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
440	OK121600030170	Horse Creek Cove	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
441	OK121600030170	Horse Creek Cove	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
442	OK121600030170	Horse Creek Cove	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
439	OK121600030170	Horse Creek Cove	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
445	OK121600030210	West Bay, Grand Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
446	OK121600030210	West Bay, Grand Lake	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
447	OK121600030210	West Bay, Grand Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
443	OK121600030210	West Bay, Grand Lake	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
444	OK121600030210	West Bay, Grand Lake	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
448	OK121600030220	Chigger Cove, Grand Lake	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
450	OK121600030220	Chigger Cove, Grand Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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451	OK121600030220	Chigger Cove, Grand Lake	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
452	OK121600030220	Chigger Cove, Grand Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
449	OK121600030220	Chigger Cove, Grand Lake	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
453	OK121600030240	Woodward Hollow Cove, Grand Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
454	OK121600030260	Courthouse Hollow Cove, Grand Lake	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
456	OK121600030260	Courthouse Hollow Cove, Grand Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
457	OK121600030260	Courthouse Hollow Cove, Grand Lake	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
458	OK121600030260	Courthouse Hollow Cove, Grand Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
455	OK121600030260	Courthouse Hollow Cove, Grand Lake	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1421	OK121600030270	Neosho (Grand) River	100	Unknown Toxicity	R	Erroneous listing; wrong WBID or duplicate entry
1423	OK121600030270	Neosho (Grand) River	600	Ammonia	R	Erroneous listing; wrong WBID or duplicate entry
1424	OK121600030270	Neosho (Grand) River	900	Nutrients	R	Erroneous listing; wrong WBID or duplicate entry
1422	OK121600030270	Neosho (Grand) River	1200	Organic Enrichment/DO	R	Erroneous listing; wrong WBID or duplicate entry
459	OK121600030280	Lake O' the Cherokees, Middle	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
461	OK121600030280	Lake O' the Cherokees, Middle	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
462	OK121600030280	Lake O' the Cherokees, Middle	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
463	OK121600030280	Lake O' the Cherokees, Middle	600	Ammonia	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
464	OK121600030280	Lake O' the Cherokees, Middle	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
460	OK121600030280	Lake O' the Cherokees, Middle	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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465	OK121600030290	Lake O' the Cherokees, Honey Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
467	OK121600030290	Lake O' the Cherokees, Honey Creek	600	Ammonia	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
208	OK121600030290	Lake O' the Cherokees, Honey Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
466	OK121600030290	Lake O' the Cherokees, Honey Creek	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1425	OK121600030290	Lake O' the Cherokees, Honey Creek	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
468	OK121600030300	Dilar Cove	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
471	OK121600030300	Dilar Cove	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
472	OK121600030300	Dilar Cove	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
473	OK121600030300	Dilar Cove	600	Ammonia	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
474	OK121600030300	Dilar Cove	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
469	OK121600030300	Dilar Cove	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
470	OK121600030300	Dilar Cove	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
241	OK121600030340	Cave Springs Branch	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1564	OK121600030340	Cave Springs Branch	600	Ammonia	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
243	OK121600030340	Cave Springs Branch	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1563	OK121600030340	Cave Springs Branch	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
242	OK121600030340	Cave Springs Branch	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1426	OK121600030340	Cave Springs Branch	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.

1998 Key	Waterbody ID	Name	Cause Code	Cause	Status on 2002 Draft List	2002 Status Change Justification
1427	OK121600030340	Cave Springs Branch	2600	Exotic Species	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
475	OK121600030350	Echo Bay, Grand Lake	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
477	OK121600030350	Echo Bay, Grand Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
478	OK121600030350	Echo Bay, Grand Lake	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
479	OK121600030350	Echo Bay, Grand Lake	600	Ammonia	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
480	OK121600030350	Echo Bay, Grand Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
476	OK121600030350	Echo Bay, Grand Lake	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
481	OK121600030360	Carey Bay, Grand Lake	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
483	OK121600030360	Carey Bay, Grand Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
484	OK121600030360	Carey Bay, Grand Lake	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
485	OK121600030360	Carey Bay, Grand Lake	600	Ammonia	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
486	OK121600030360	Carey Bay, Grand Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
482	OK121600030360	Carey Bay, Grand Lake	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
489	OK121600030370	Neosho (Grand) River	200	Pesticides	R	Erroneous listing; waterbody lies beneath Lake O' the Cherokees
490	OK121600030370	Neosho (Grand) River	300	Priority Organics	R	Erroneous listing; waterbody lies beneath Lake O' the Cherokees
491	OK121600030370	Neosho (Grand) River	500	Metals	R	Erroneous listing; waterbody lies beneath Lake O' the Cherokees
492	OK121600030370	Neosho (Grand) River	900	Nutrients	R	Erroneous listing; waterbody lies beneath Lake O' the Cherokees
487	OK121600030370	Neosho (Grand) River	1100	Siltation	R	Erroneous listing; waterbody lies beneath Lake O' the Cherokees
488	OK121600030370	Neosho (Grand) River	1200	Organic Enrichment/DO	R	Erroneous listing; waterbody lies beneath Lake O' the Cherokees

1998 Key	Waterbody ID	Name	Cause Code	Cause	Status on 2002 Draft List	2002 Status Change Justification
494	OK121600030380	Lake O' the Cherokees (Grand)	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
495	OK121600030380	Lake O' the Cherokees (Grand)	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1584	OK121600030380	Lake O' the Cherokees (Grand)	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
493	OK121600030380	Lake O' the Cherokees (Grand)	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
498	OK121600030400	Wolf Creek Cove, Grand Lake	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
496	OK121600030400	Wolf Creek Cove, Grand Lake	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
497	OK121600030400	Wolf Creek Cove, Grand Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1428	OK121600030430	Neosho (Grand) River	100	Unknown Toxicity	R	Erroneous listing; wrong WBID or duplicate entry
1430	OK121600030430	Neosho (Grand) River	500	Metals	R	Erroneous listing; wrong WBID or duplicate entry
1429	OK121600030430	Neosho (Grand) River	1100	Siltation	R	Erroneous listing; wrong WBID or duplicate entry
501	OK121600030480	Three Finger Cove, Grand Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
502	OK121600030480	Three Finger Cove, Grand Lake	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
499	OK121600030480	Three Finger Cove, Grand Lake	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
500	OK121600030480	Three Finger Cove, Grand Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
503	OK121600030500	Council Cove, Grand Lake	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
505	OK121600030500	Council Cove, Grand Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
506	OK121600030500	Council Cove, Grand Lake	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
504	OK121600030500	Council Cove, Grand Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.

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508	OK121600040010	Neosho (Grand) River	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
507	OK121600040010	Neosho (Grand) River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1585	OK121600040010	Neosho (Grand) River	1200	Organic Enrichment/DO	4a	TMDL approved.
511	OK121600040020	Lake O' the Cherokees, Neosho	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
512	OK121600040020	Lake O' the Cherokees, Neosho	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
509	OK121600040020	Lake O' the Cherokees, Neosho	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
510	OK121600040020	Lake O' the Cherokees, Neosho	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1431	OK121600040040	Hudson Creek (Fairland)	1200	Organic Enrichment/DO	R	TMDL approved. Still in Category 5 for other pollutants.
1432	OK121600040040	Hudson Creek (Fairland)	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected. Still in Category 5 for other pollutants.
515	OK121600040060	Tar Creek	500	Metals	K	Still on list.
516	OK121600040100	Lytle Creek	1200	Organic Enrichment/DO	R	TMDL complete.
517	OK121600050070	Eucha Lake	900	Nutrients	K	Still on list.
209	OK121600050150	Spavinaw Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
520	OK121600060010	Big Cabin Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1586	OK121600060010	Big Cabin Creek	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
518	OK121600060010	Big Cabin Creek	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
519	OK121600060010	Big Cabin Creek	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
521	OK121600060040	Mustang Creek	1200	Organic Enrichment/DO	R	TMDL approved and implemented.
525	OK121600060080	Little Cabin Creek (Welch)	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
522	OK121600060080	Little Cabin Creek (Welch)	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
523	OK121600060080	Little Cabin Creek (Welch)	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.

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524	OK121600060080	Little Cabin Creek (Welch)	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
526	OK121600060240	Pawpaw Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
529	OK121600060240	Pawpaw Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
527	OK121600060240	Pawpaw Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
528	OK121600060240	Pawpaw Creek	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
514	OK121600070010	Spring River	500	Metals	R	Erroneous listing; wrong WBID or duplicate entry
513	OK121600070010	Spring River	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
531	OK121600070110	Fivemile Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
530	OK121600070110	Fivemile Creek	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
533	OK121600070120	Little Fivemile Creek	900	Nutrients	R	Attaining Aesthetics use.
532	OK121600070120	Little Fivemile Creek	1200	Organic Enrichment/DO	R	Attaining WWAC Use.
535	OK121610000010	Pryor Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
536	OK121610000010	Pryor Creek	300	Priority Organics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
537	OK121610000010	Pryor Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
534	OK121610000010	Pryor Creek	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
539	OK121610000050	Pryor Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
540	OK121610000050	Pryor Creek	300	Priority Organics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
541	OK121610000050	Pryor Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
538	OK121610000050	Pryor Creek	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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545	OK121610000150	Pryor Creek, Upper	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
542	OK121610000150	Pryor Creek, Upper	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
543	OK121610000150	Pryor Creek, Upper	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
544	OK121610000150	Pryor Creek, Upper	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
546	OK121610000160	Little Pryor Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
549	OK121610000160	Little Pryor Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
547	OK121610000160	Little Pryor Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
548	OK121610000160	Little Pryor Creek	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
550	OK121700010010	Illinois River	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1433	OK121700010010	Illinois River	1500	Flow Alteration	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1434	OK121700020010	Illinois River	1100	Siltation	R	Erroneous listing; wrong WBID or duplicate entry
1435	OK121700020010	Illinois River	1200	Organic Enrichment/DO	R	Erroneous listing; wrong WBID or duplicate entry
1436	OK121700020010	Illinois River	1500	Flow Alteration	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1588	OK121700020020	Tenkiller Ferry Lake	900	Nutrients	K	Still on list.
1587	OK121700020020	Tenkiller Ferry Lake	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1437	OK121700020020	Tenkiller Ferry Lake	1500	Flow Alteration	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
551	OK121700020210	Illinois River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
552	OK121700020210	Illinois River	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1438	OK121700020210	Illinois River	1500	Flow Alteration	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.

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555	OK121700020300	Illinois River	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
556	OK121700020300	Illinois River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
553	OK121700020300	Illinois River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
554	OK121700020300	Illinois River	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
558	OK121700020310	Baron Fork	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
244	OK121700020310	Baron Fork	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
557	OK121700020310	Baron Fork	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
560	OK121700030010	Illinois River	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
210	OK121700030010	Illinois River	900	Nutrients	R	Attainment of standard documented. 1 out of 33 samples or 3% exceed thresholds.
559	OK121700030010	Illinois River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1324	OK121700030010	Illinois River	1200	Organic Enrichment/DO	R	Attainment of standard documented. 2 out of 75 (3%) of samples < DO criterion for CWAC. Also 5/75 (7%) of samples > 120% saturation and 0/75 < 50% saturation.
561	OK121700030020	Tahlequah Creek (Tahlequah)	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
562	OK121700030020	Tahlequah Creek (Tahlequah)	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
564	OK121700030080	Illinois River	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
211	OK121700030080	Illinois River	900	Nutrients	R	Attaining Aesthetics use.
563	OK121700030080	Illinois River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1325	OK121700030080	Illinois River	1200	Organic Enrichment/DO	R	Attainment of standard documented. 1 out of 80 samples fall below DO criterion for CWAC. Also 4/80 samples > 120% saturation and 0/80 < 50% saturation.

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566	OK121700030280	Illinois River	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
567	OK121700030280	Illinois River	900	Nutrients	K	Still on list.
565	OK121700030280	Illinois River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1326	OK121700030280	Illinois River	1200	Organic Enrichment/DO	R	Attainment of standard documented. 1 out of 62 fall below DO criterion for CWAC and 4/62 (4.5%) samples > 120% Saturation.
1327	OK121700030350	Illinois River	900	Nutrients	R	Attainment of standard documented. (1 of 82 TP & 3 of 82 NO3/NO2 exceed) keys out not threatened
568	OK121700030350	Illinois River	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1328	OK121700030350	Illinois River	1200	Organic Enrichment/DO	R	Attainment of standard documented. 0/29 samples < DO criterion. Also 0/29 > 120% saturation or < 50% saturation.
1439	OK121700030350	Illinois River	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
569	OK121700030370	Ballard Creek	600	Ammonia	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
213	OK121700030370	Ballard Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
212	OK121700030370	Ballard Creek	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1440	OK121700030370	Ballard Creek	2600	Exotic Species	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
570	OK121700040010	Caney Creek (Stillwell Foods)	700	Chlorine	R	TMDL approved and implemented.
1441	OK121700040010	Caney Creek (Stillwell Foods)	1200	Organic Enrichment/DO	R	TMDL approved and implemented.
572	OK121700050010	Baron Fork	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1329	OK121700050010	Baron Fork	900	Nutrients	K	Still on list.
571	OK121700050010	Baron Fork	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1330	OK121700050010	Baron Fork	1200	Organic Enrichment/DO	R	Attainment of standard documented. 0/21 samples < DO criterion. 1/21 samples > 120% saturation.
1442	OK121700050010	Baron Fork	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1331	OK121700050120	Peachwater Creek	900	Nutrients	R	Attaining Aesthetics use.
1565	OK121700050170	Baron Fork	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
573	OK121700050170	Baron Fork	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.

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1443	OK121700050180	Shell Branch (Westville)	1200	Organic Enrichment/DO	4a	TMDL approved.
575	OK121700050210	West Brook	600	Ammonia	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
214	OK121700050210	West Brook	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
574	OK121700050210	West Brook	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1444	OK121700050210	West Brook	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
577	OK121700060010	Flint Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
578	OK121700060010	Flint Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1566	OK121700060010	Flint Creek	600	Ammonia	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
215	OK121700060010	Flint Creek	900	Nutrients	K	Still on list.
576	OK121700060010	Flint Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1332	OK121700060010	Flint Creek	1200	Organic Enrichment/DO	R	Attainment of standard documented. 0/10 samples < DO criterion. Also 0/10 samples < 50% or > 120% Saturation.
245	OK121700060010	Flint Creek	1700	Pathogens	K	Still on list.
216	OK121700060090	Sager Creek	900	Nutrients	K	Still on list.
580	OK220100010010	Poteau River (Poteau)	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
579	OK220100010010	Poteau River (Poteau)	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1445	OK220100010170	Morris Creek (Howe)	1200	Organic Enrichment/DO	R	TMDL approved and implemented.
581	OK220100010180	Caston Creek	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
584	OK220100020010	Poteau River	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
218	OK220100020010	Poteau River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
582	OK220100020010	Poteau River	1100	Siltation	R	Listed in error based on visual evaluation of siltation. Data requirements not met.
1589	OK220100020010	Poteau River	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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583	OK220100020010	Poteau River	2000	Taste and Odor	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
217	OK220100020010	Poteau River	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1446	OK220100020010	Poteau River	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
588	OK220100020020	Wister Lake	900	Nutrients	K	Still on list.
585	OK220100020020	Wister Lake	1100	Siltation	R	Listed in error based on visual evaluation of siltation. Data requirements not met.
1447	OK220100020020	Wister Lake	1500	Flow Alteration	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
586	OK220100020020	Wister Lake	2000	Taste and Odor	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
587	OK220100020020	Wister Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
590	OK220100030010	Brazil Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
591	OK220100030010	Brazil Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
219	OK220100030010	Brazil Creek	1000	pH	R	Attainment of standard documented. 3 out of 42 samples or 7% were outside of acceptable range
589	OK220100030010	Brazil Creek	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
592	OK220100040010	Fourche Maline Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
593	OK220100040080	Bandy Creek	1200	Organic Enrichment/DO	R	TMDL approved and implemented.
594	OK220200010010	Arkansas River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
595	OK220200010010	Arkansas River	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
596	OK220200020010	Arkansas River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
597	OK220200020010	Arkansas River	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
598	OK220200020020	Robert S. Kerr Lock & Dam	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
599	OK220200020030	Sallisaw Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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600	OK220200030010	Sallisaw Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1333	OK220200030010	Sallisaw Creek	1000	pH	R	Attainment of standard documented. 0/11 samples fall outside of USAP range.
603	OK220200040010	Sans Bois Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
605	OK220200040010	Sans Bois Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
601	OK220200040010	Sans Bois Creek	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
602	OK220200040010	Sans Bois Creek	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
604	OK220200040010	Sans Bois Creek	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
608	OK220300000010	Canadian River	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
609	OK220300000010	Canadian River	900	Nutrients	R	Listed in error based on a one-time taste and odor report. Data quantity requirements not met.
606	OK220300000010	Canadian River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
607	OK220300000010	Canadian River	2000	Taste and Odor	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1448	OK220300000030	Snake Creek (Stigler)	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1449	OK220600010010	Canadian River	1700	Pathogens	R	Erroneous listing; wrong WBID or duplicate entry
1450	OK220600010020	Eufaula Lake	1500	Flow Alteration	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
610	OK220600010050	Eufaula Lake, Canadian River Arm	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
611	OK220600010050	Eufaula Lake, Canadian River Arm	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
612	OK220600010090	Eufaula Lake, Mill Creek Arm	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
615	OK220600010090	Eufaula Lake, Mill Creek Arm	600	Ammonia	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
616	OK220600010090	Eufaula Lake, Mill Creek Arm	900	Nutrients	R	Listed in error based on a one-time taste and odor report. Data quantity requirements not met.

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613	OK220600010090	Eufaula Lake, Mill Creek Arm	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
614	OK220600010090	Eufaula Lake, Mill Creek Arm	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
617	OK220600010100	Mill Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
620	OK220600010100	Mill Creek	600	Ammonia	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
621	OK220600010100	Mill Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
618	OK220600010100	Mill Creek	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
619	OK220600010100	Mill Creek	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
622	OK220600010119	Canadian River	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
625	OK220600010119	Canadian River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1591	OK220600010119	Canadian River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
623	OK220600010119	Canadian River	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1590	OK220600010119	Canadian River	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1451	OK220600010119	Canadian River	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
624	OK220600010119	Canadian River	1700	Pathogens	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
626	OK220600010119	Canadian River	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
628	OK220600020010	Coal Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
627	OK220600020010	Coal Creek	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
630	OK220600020030	McAlester Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
629	OK220600020030	McAlester Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
631	OK220600020030	McAlester Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.

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632	OK220600020080	Deer Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1452	OK220600020080	Deer Creek	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
633	OK220600030010	Brushy Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
634	OK220600030020	Blue Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
635	OK220600030060	Chun Creek	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
638	OK220600040010	Gaines Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
640	OK220600040010	Gaines Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
636	OK220600040010	Gaines Creek	1000	pH	K	Still on list.
637	OK220600040010	Gaines Creek	1100	Siltation	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
639	OK220600040010	Gaines Creek	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
641	OK220600040040	Pit Creek (P & K Coal Mines & other past mining activity)	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
642	OK220600040040	Pit Creek (P & K Coal Mines & other past mining activity)	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1453	OK220600050060	Mud Creek , Trib (Krebs)	1200	Organic Enrichment/DO	4a	TMDL approved.
644	OK220600050100	Brushy Creek	200	Pesticides	R	Erroneous listing; wrong WBID or duplicate entry
645	OK220600050100	Brushy Creek	500	Metals	R	Erroneous listing; wrong WBID or duplicate entry
1592	OK220600050100	Brushy Creek	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
643	OK220600050100	Brushy Creek	1200	Organic Enrichment/DO	R	Erroneous listing; wrong WBID or duplicate entry
646	OK310800010010	Washita River	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
649	OK310800010010	Washita River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
220	OK310800010010	Washita River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
647	OK310800010010	Washita River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.

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648	OK310800010010	Washita River	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
650	OK310800010010	Washita River	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1454	OK310800010010	Washita River	2600	Exotic Species	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
652	OK310800010011	Texoma, Washita River Arm, Lower	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
651	OK310800010011	Texoma, Washita River Arm, Lower	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
653	OK310800010012	Rock Creek	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
656	OK310800010050	Texoma Lake, Washita River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
658	OK310800010050	Texoma Lake, Washita River	600	Ammonia	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
659	OK310800010050	Texoma Lake, Washita River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
654	OK310800010050	Texoma Lake, Washita River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
655	OK310800010050	Texoma Lake, Washita River	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
657	OK310800010050	Texoma Lake, Washita River	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
660	OK310800020010	Washita River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1593	OK310800020010	Washita River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1594	OK310800020100	Arbuckle Lake	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
663	OK310800020122	Rock Creek	900	Nutrients	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
661	OK310800020122	Rock Creek	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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662	OK310800020122	Rock Creek	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
664	OK310800030010	Caddo Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
665	OK310800030010	Caddo Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
667	OK310800030020	Sand Creek (Ardmore & Total Petroleum)	600	Ammonia	4a	TMDL approved.
666	OK310800030020	Sand Creek (Ardmore & Total Petroleum)	1200	Organic Enrichment/DO	4a	TMDL approved.
668	OK310800030140	Jean Neustadt Lake	2400	Total Toxics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
236	OK310800030260	Pretty Branch Creek	1300	Salinity	R	Data indicates no impairment for this parent cause (Salinity, 1300) or child causes (TDS, 1320; Chlorides, 1330) or related cause (Sulfates, 750)
1351	OK310800030260	Caddo Creek, tributary (S24,T2S,R3W)	1300	Salinity	R	Erroneous listing; wrong WBID or duplicate entry
1352	OK310800030260	Caddo Creek, tributary (S24,T2S,R3W)	1300	Salinity	R	Erroneous listing; wrong WBID or duplicate entry
1353	OK310800030260	Flag Creek	1300	Salinity	R	Erroneous listing; wrong WBID or duplicate entry
1354	OK310800030260	Flag Creek	1300	Salinity	R	Erroneous listing; wrong WBID or duplicate entry
1355	OK310800030260	Pretty Branch Creek	1300	Salinity	R	Erroneous listing; wrong WBID or duplicate entry
1350	OK310800030260	Pretty Branch Creek	1900	Oil and Grease	R	Data indicates no impairment for this cause.
1356	OK310800030260	Caddo Creek, tributary (S24,T2S,R3W)	1900	Oil and Grease	R	Erroneous listing; wrong WBID or duplicate entry
1357	OK310800030260	Flag Creek	1900	Oil and Grease	R	Erroneous listing; wrong WBID or duplicate entry
1358	OK310800030270	Caddo Creek, tributary (S3,T2S,R3W)	1300	Salinity	R	Erroneous listing; wrong WBID or duplicate entry
1359	OK310800030270	Caddo Creek, tributary (S3,T2S,R3W)	1300	Salinity	R	Erroneous listing; wrong WBID or duplicate entry
1360	OK310800030270	Pretty Branch Creek, Tributary	1300	Salinity	R	Erroneous listing; wrong WBID or duplicate entry
1361	OK310800030270	Pretty Branch Creek, Tributary	1300	Salinity	R	Erroneous listing; wrong WBID or duplicate entry
240	OK310810010020	Gentle Horse Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
670	OK310810010090	Rush Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
669	OK310810010090	Rush Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
671	OK310810010090	Rush Creek	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1455	OK310810010090	Rush Creek	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
672	OK310810010150	Byars Lake	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
673	OK310810010150	Byars Lake	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.

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674	OK310810010190	Washington Creek	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
675	OK310810010220	Wiley Post (Maysville) Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
676	OK310810010220	Wiley Post (Maysville) Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1362	OK310810010240	Wildhorse Creek, Tributary	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
677	OK310810030010	Wildhorse Creek	1100	Siltation	R	Listed in error based on evaluated data, not monitoring data. Data requirements not met.
678	OK310810030010	Wildhorse Creek	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
679	OK310810030010	Wildhorse Creek	2100	Suspended Solids	R	Listed in error based on evaluated data, not monitoring data. Data requirements not met.
680	OK310810030040	Rock Creek (Elmore City Lake)	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
681	OK310810030040	Rock Creek (Elmore City Lake)	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
682	OK310810030060	Elmore City Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
683	OK310810030060	Elmore City Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
237	OK310810030130	County Line Creek	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
238	OK310810040030	Black Bear Creek, Stephens Co. 6-2N-5W to 15-1S-4W	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
684	OK310810040050	Fuqua Lake	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
685	OK310810040140	Wildhorse Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1363	OK310810040140	Wildhorse Creek	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
1456	OK310810040140	Wildhorse Creek	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.

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686	OK310810040140	Wildhorse Creek	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1364	OK310810040170	Wildhorse Creek, Tributary	1300	Salinity	R	Erroneous listing; wrong WBID or duplicate entry
689	OK310820010010	Washita River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
691	OK310820010010	Washita River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
687	OK310820010010	Washita River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
688	OK310820010010	Washita River	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
690	OK310820010010	Washita River	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1457	OK310820010080	Shannon Springs Lake	2600	Exotic Species	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
692	OK310820010090	Shannon Springs Lake	1100	Siltation	R	Listed in error based on evaluated data, not monitoring data. Data requirements not met.
693	OK310820010160	Ionine Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1458	OK310820010160	Ionine River	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
697	OK310820010160	Ionine Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
698	OK310820010160	Ionine River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
699	OK310820010160	Ionine River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1462	OK310820010160	Ionine Creek	900	Nutrients	R	Erroneous listing; wrong WBID or duplicate entry
1459	OK310820010160	Ionine Creek	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1460	OK310820010160	Ionine River	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
694	OK310820010160	Ionine Creek	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
695	OK310820010160	Ionine River	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
696	OK310820010160	Ionine River	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
1461	OK310820010160	Ionine Creek	2100	Suspended Solids	R	Erroneous listing; wrong WBID or duplicate entry
702	OK310820010200	Ionine Creek, East	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.

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700	OK310820010200	Ionine Creek, East	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
701	OK310820010200	Ionine Creek, East	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
705	OK310820010210	Ionine Creek, West	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
703	OK310820010210	Ionine Creek, West	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
704	OK310820010210	Ionine Creek, West	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
1595	OK310820020070	Louis Burttschi Lake	900	Nutrients	R	Attaining Aesthetics use.
706	OK310820020110	McCarty Creek	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
707	OK310820020130	Gladys Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
708	OK310820020140	Allen's Lake	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
711	OK310830010010	Washita River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1596	OK310830010010	Washita River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
709	OK310830010010	Washita River	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
710	OK310830010010	Washita River	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
712	OK310830010010	Washita River	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1463	OK310830010020	Spring Creek	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
714	OK310830020010	Washita River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1598	OK310830020010	Washita River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
713	OK310830020010	Washita River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1597	OK310830020010	Washita River	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
715	OK310830020010	Washita River	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.

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717	OK310830020060	Rainy Mountain Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
716	OK310830020060	Rainy Mountain Creek	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
718	OK310830020110	Vanderwork Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
720	OK310830030010	Washita River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1600	OK310830030010	Washita River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
719	OK310830030010	Washita River	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1599	OK310830030010	Washita River	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
721	OK310830030010	Washita River	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
723	OK310830030070	Cavalry Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
725	OK310830030070	Cavalry Creek	900	Nutrients	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
722	OK310830030070	Cavalry Creek	1100	Siltation	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
724	OK310830030070	Cavalry Creek	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
727	OK310830030080	Cavalry Creek, South Fork	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
729	OK310830030080	Cavalry Creek, South Fork	900	Nutrients	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
726	OK310830030080	Cavalry Creek, South Fork	1100	Siltation	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
728	OK310830030080	Cavalry Creek, South Fork	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
730	OK310830030100	Boggy Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
731	OK310830030200	Barnitz Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
732	OK310830030280	Clinton Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1601	OK310830030280	Clinton Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
733	OK310830030280	Clinton Lake	2400	Total Toxics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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736	OK310830050010	Sugar Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
734	OK310830050010	Sugar Creek	1100	Siltation	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
1464	OK310830050010	Sugar Creek	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
735	OK310830050010	Sugar Creek	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
739	OK310830060010	Cobb Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
737	OK310830060010	Cobb Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
738	OK310830060010	Cobb Creek	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
740	OK310830060020	Fort Cobb Reservoir	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1602	OK310830060020	Fort Cobb Reservoir	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
1465	OK310830060020	Fort Cobb Reservoir	2600	Exotic Species	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
743	OK310830060030	Willow Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
741	OK310830060030	Willow Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
742	OK310830060030	Willow Creek	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
744	OK310830060040	Lake Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
746	OK310830060040	Lake Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
221	OK310830060040	Lake Creek	900	Nutrients	R	Attainment of standard documented. Median TP value of 0.136.
745	OK310830060040	Lake Creek	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1466	OK310830060040	Lake Creek	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
747	OK310830060040	Lake Creek	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
749	OK310830060050	Cobb Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
751	OK310830060050	Cobb Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.

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748	OK310830060050	Cobb Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
750	OK310830060050	Cobb Creek	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
754	OK310830060080	Fivemile Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
752	OK310830060080	Fivemile Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
753	OK310830060080	Fivemile Creek	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
755	OK310830060130	Crowder Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1603	OK310830060130	Crowder Lake	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1604	OK310830060130	Crowder Lake	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
756	OK310840010010	Washita River	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
758	OK310840010010	Washita River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1606	OK310840010010	Washita River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
757	OK310840010010	Washita River	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1605	OK310840010010	Washita River	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
759	OK310840010010	Washita River	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
760	OK310840010020	Foss Reservoir	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1607	OK310840010020	Foss Reservoir	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
761	OK310840010020	Foss Reservoir	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
762	OK310840010060	Quartermaster Creek	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
763	OK310840010060	Quartermaster Creek	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
764	OK310840010060	Quartermaster Creek	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1608	OK310840020060	Taylor Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.

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765	OK310840020060	Taylor Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
766	OK310840020060	Taylor Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
767	OK310840020070	Sandstone Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
771	OK310840020080	Baker Lake	900	Nutrients	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
768	OK310840020080	Baker Lake	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
769	OK310840020080	Baker Lake	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
770	OK310840020080	Baker Lake	2400	Total Toxics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
772	OK310840020240	Spring Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
774	OK311100010010	Red River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
773	OK311100010010	Red River	1700	Pathogens	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
776	OK311100010020	Texoma Lake, Red River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
777	OK311100010020	Texoma Lake, Red River	800	Other Inorganics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
775	OK311100010020	Texoma Lake, Red River	1100	Siltation	R	Listed in error based on visual evaluation of siltation. Data requirements not met.
1467	OK311100010020	Texoma Lake, Red River	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
779	OK311100010030	Texoma Lake, Red River Arm, Lower	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
781	OK311100010030	Texoma Lake, Red River Arm, Lower	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
778	OK311100010030	Texoma Lake, Red River Arm, Lower	1100	Siltation	R	Listed in error based on visual evaluation of siltation. Data requirements not met.
780	OK311100010030	Texoma Lake, Red River Arm, Lower	2100	Suspended Solids	R	Listed in error based on visual evaluation of siltation. Data requirements not met.

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783	OK311100010080	Texoma Lake, Red River Arm, Lower	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
785	OK311100010080	Texoma Lake, Red River Arm, Lower	900	Nutrients	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
782	OK311100010080	Texoma Lake, Red River Arm, Lower	1100	Siltation	R	Listed in error based on visual evaluation of siltation. Data requirements not met.
784	OK311100010080	Texoma Lake, Red River Arm, Lower	2100	Suspended Solids	R	Listed in error based on visual evaluation of siltation. Data requirements not met.
786	OK311100010130	Hauani Creek	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
787	OK311100010140	Hauani Lake	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
788	OK311100010160	Hickory Creek	200	Pesticides	R	Erroneous listing; wrong WBID or duplicate entry
789	OK311100010160	Hickory Creek	900	Nutrients	R	Erroneous listing; wrong WBID or duplicate entry
791	OK311100010190	Red River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1609	OK311100010190	Red River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
790	OK311100010190	Red River	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
792	OK311100010190	Red River	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
794	OK311100010250	Walnut Bayou	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
796	OK311100010250	Walnut Bayou	900	Nutrients	R	Listed in error as threatened based on evaluated data, not monitoring data. Data requirements not met.
793	OK311100010250	Walnut Bayou	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
795	OK311100010250	Walnut Bayou	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
799	OK311100010280	Mud Creek	200	Pesticides	R	Erroneous listing; wrong WBID or duplicate entry
797	OK311100010280	Mud Creek	1200	Organic Enrichment/DO	R	Erroneous listing; wrong WBID or duplicate entry
798	OK311100010280	Mud Creek	1300	Salinity	R	Erroneous listing; wrong WBID or duplicate entry
800	OK311100010280	Mud Creek	2100	Suspended Solids	R	Erroneous listing; wrong WBID or duplicate entry
801	OK311100020010	Hickory Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1610	OK311100020010	Hickory Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
803	OK311100030010	Walnut Bayou	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

1998 Key	Waterbody ID	Name	Cause Code	Cause	Status on 2002 Draft List	2002 Status Change Justification
805	OK311100030010	Walnut Bayou	900	Nutrients	R	Listed in error as threatened based on evaluated data, not monitoring data. Data requirements not met.
802	OK311100030010	Walnut Bayou	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
804	OK311100030010	Walnut Bayou	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
807	OK311100030070	Walnut Creek (Walnut Bayou)	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
809	OK311100030070	Walnut Creek (Walnut Bayou)	900	Nutrients	R	Listed in error as threatened based on evaluated data, not monitoring data. Data requirements not met.
806	OK311100030070	Walnut Creek (Walnut Bayou)	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
808	OK311100030070	Walnut Creek (Walnut Bayou)	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
1365	OK311100030110	Oil Branch Creek	1300	Salinity	R	Data indicate no impairment for this parent cause (Salinity, 1300) or child causes (TDS, 1320; Chlorides, 1330) or related cause (Sulfates, 750).
810	OK311100030130	Healdton City Lake	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
811	OK311100030130	Healdton City Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1611	OK311100030130	Healdton City Lake	900	Nutrients	R	Attaining Aesthetics use.
812	OK311100030130	Healdton City Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1468	OK311100030130	Oil Branch Creek	1300	Salinity	R	Erroneous listing; wrong WBID or duplicate entry
813	OK311100030130	Healdton City Lake	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
1366	OK311100030160	Walnut Creek Tributary	1900	Oil and Grease	R	Data indicate no impairment for this cause.
815	OK311100040010	Mud Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
814	OK311100040010	Mud Creek	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
816	OK311100040010	Mud Creek	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
817	OK311200000030	Beaver Creek	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1469	OK311200000030	Beaver Creek	1500	Flow Alteration	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.

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818	OK311200000060	Cow Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
819	OK311200000060	Cow Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1613	OK311200000060	Cow Creek	900	Nutrients	R	Listed in error as partially supporting in 1988 319 Assessment based on comparison to regional values, rather than State water quality criteria.
1612	OK311200000060	Cow Creek	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1470	OK311200000080	Dry Creek	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
820	OK311200000080	Dry Creek	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
821	OK311200000140	Jap Beaver Lake	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
823	OK311210000010	Beaver Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1335	OK311210000010	Beaver Creek	900	Nutrients	R	Attainment of standard documented. Not threatened according to key (1 out of 28 TP and 0 out of 28 NO2/NO3 exceed thresholds. Also 0 out of 26 DO exceedances.).
822	OK311210000010	Beaver Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1334	OK311210000010	Beaver Creek	1200	Organic Enrichment/DO	R	Attainment of standard documented. (0 out of 26 samples fall below WQS criterion)
222	OK311210000010	Beaver Creek	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
1615	OK311210000020	Waurika Lake	900	Nutrients	R	Attaining Aesthetics use.
824	OK311210000020	Waurika Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1614	OK311210000020	Waurika Lake	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
826	OK311210000050	Little Beaver Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
828	OK311210000050	Little Beaver Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
825	OK311210000050	Little Beaver Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
827	OK311210000050	Little Beaver Creek	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.

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829	OK311210000060	Stage Stand Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1471	OK311210000060	Stage Stand Creek	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
830	OK311210000060	Stage Stand Creek	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
831	OK311210000080	Hell Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1472	OK311210000080	Hell Creek	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
832	OK311210000080	Hell Creek	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
833	OK311300010020	Cache Creek, East	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1616	OK311300010020	Cache Creek, East	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
835	OK311300010050	Temple Lake (Mooney)	900	Nutrients	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
834	OK311300010050	Temple Lake (Mooney)	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
1473	OK311300010080	Walters Lake	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
836	OK311300010080	Walters Lake	2000	Taste and Odor	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
837	OK311300010080	Walters Lake	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1474	OK311300010080	Walters Lake	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
842	OK311300030010	Cache Creek, East	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
843	OK311300030010	Liberty Lake, East Cashe Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
838	OK311300030010	Cache Creek, East	1100	Siltation	R	Listed in error based on visual evaluation of siltation and limited number of turbidity samples. Data quality and quantity requirements not met.
839	OK311300030010	Liberty Lake, East Cashe Creek	1100	Siltation	R	Listed in error based on visual evaluation of siltation and limited number of turbidity samples. Data quality and quantity requirements not met.
840	OK311300030010	Cache Creek, East	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
841	OK311300030010	Liberty Lake, East Cashe Creek	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.

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1475	OK311300030010	Cache Creek, East	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1476	OK311300030010	Liverty Lake, East Cashe Creek	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
844	OK311300040060	Medicine Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
845	OK311310020010	West Cache Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
846	OK311310020020	Cache Creek, West	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1618	OK311310020190	Comanche Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
847	OK311310020190	Comanche Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1617	OK311310020190	Comanche Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
849	OK311310020200	Grama Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1477	OK311310020200	Grama Lake	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
848	OK311310020200	Grama Lake	2400	Total Toxics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
851	OK311310030040	Little Deep Red Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
850	OK311310030040	Little Deep Red Creek	1100	Siltation	R	Listed in error based on limited number of turbidity samples. Data quantity requirement not met.
852	OK311310030040	Little Deep Red Creek	2100	Suspended Solids	R	Listed in error based on limited number of turbidity samples. Data quantity requirement not met.
853	OK311310030120	Frederick Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
855	OK311500010020	Red River, North Fork	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
857	OK311500010020	Red River, North Fork	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1619	OK311500010020	Red River, North Fork	900	Nutrients	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
854	OK311500010020	Red River, North Fork	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
856	OK311500010020	Red River, North Fork	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.

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858	OK311500010050	Stinking Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
859	OK311500010080	Otter Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
860	OK311500010100	Elk Creek	100	Unknown Toxicity	R	Erroneous listing; wrong WBID or duplicate entry
861	OK311500010100	Elk Creek	1100	Siltation	R	Erroneous listing; wrong WBID or duplicate entry
862	OK311500010100	Elk Creek	2100	Suspended Solids	R	Erroneous listing; wrong WBID or duplicate entry
863	OK311500020040	West Otter Creek	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
864	OK311500020040	West Otter Creek	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
865	OK311500020060	Tom Steed (Mountain Park) Reservoir	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
866	OK311500020060	Tom Steed (Mountain Park) Reservoir	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
867	OK311500030030	Elk Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1620	OK311500030050	Little Elk Creek (Hobart Lake)	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
868	OK311500030050	Little Elk Creek (Hobart Lake)	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
869	OK311500030050	Little Elk Creek (Hobart Lake)	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1478	OK311500030050	Little Elk Creek (Hobart Lake)	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1621	OK311500030060	Hobart Lake (Rocky Hobart)	900	Nutrients	R	Attaining Aesthetics use.
870	OK311500030060	Hobart Lake (Rocky Hobart)	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
871	OK311500030060	Hobart Lake (Rocky Hobart)	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1622	OK311500030120	Elk City Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
872	OK311510010010	Red River, North Fork	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
223	OK311510010010	Red River, North Fork	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1623	OK311510010020	Altus-Lugert Lake	1400	Thermal Stratification	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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224	OK311510010040	Lake Creek	900	Nutrients	R	Attainment of standard documented. n= 84, median TP = 0.07, median nitrate/nitrite = 1.15.
873	OK311510010040	Lake Creek	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
874	OK311510010040	Lake Creek	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
876	OK311600010040	Sandy Creek (Lebos)	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
875	OK311600010040	Sandy Creek (Lebos)	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
1624	OK311600020010	Red River, Salt Fork	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
877	OK311600020010	Red River, Salt Fork	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1479	OK311600020010	Red River, Salt Fork	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
878	OK311600020010	Red River, Salt Fork	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
880	OK311600020060	Turkey Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
879	OK311600020060	Turkey Creek	1300	Salinity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
882	OK311600020110	Bitter Creek	800	Other Inorganics	R	Listed in error. Data indicate impairment for pesticides (DDT and toxaphene).
883	OK311600020110	Bitter Creek	900	Nutrients	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
881	OK311600020110	Bitter Creek	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
884	OK311600020170	Hall Lake	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
886	OK311800000010	Red River, Elm Fork	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1625	OK311800000010	Red River, Elm Fork	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
885	OK311800000010	Red River, Elm Fork	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
887	OK311800000010	Red River, Elm Fork	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
890	OK311800000040	Haystack Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.

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888	OK311800000040	Haystack Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1480	OK311800000040	Haystack Creek	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
889	OK311800000040	Haystack Creek	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
1626	OK410100010010	Red River, below Garland (Weyerhauser)	1200	Organic Enrichment/DO	R	TMDL approved. Still in Category 5 for other pollutants.
891	OK410100010450	Buzzard Creek (Millerton)	1200	Organic Enrichment/DO	4a	TMDL approved.
1627	OK410100010456	Buzzard Creek, Tributary (Millerton)	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
892	OK410100010456	Buzzard Creek, Tributary (Millerton)	1200	Organic Enrichment/DO	4a	TMDL approved.
1481	OK410100010460	Garland Creek (Weyerhauser)	1200	Organic Enrichment/DO	4a	TMDL approved.
246	OK410200010010	Little River	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
225	OK410200010150	Yanabee Creek	1200	Organic Enrichment/DO	4a	TMDL approved.
893	OK410200010210	Mud Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
894	OK410200010210	Mud Creek	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1628	OK410210010020	Glover River	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
895	OK410210010060	Horse Head Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
898	OK410210020010	Little River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
226	OK410210020010	Little River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
896	OK410210020010	Little River	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
897	OK410210020010	Little River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
899	OK410210020010	Little River	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1629	OK410210040010	Mountain Fork River, Lower	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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901	OK410210050010	Mountain Fork River, Middle	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
247	OK410210050010	Mountain Fork River, Middle	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
900	OK410210050010	Mountain Fork River, Middle	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
248	OK410210050010	Mountain Fork River, Middle	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
902	OK410210050010	Mountain Fork River, Middle	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
905	OK410210050020	Broken Bow Lake	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1632	OK410210050020	Broken Bow Lake	900	Nutrients	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
903	OK410210050020	Broken Bow Lake	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1630	OK410210050020	Broken Bow Lake	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1631	OK410210050020	Broken Bow Lake	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
904	OK410210050020	Broken Bow Lake	2400	Total Toxics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
906	OK410210060010	Mountain Fork River, Upper	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
249	OK410210060010	Mountain Fork River, Upper	1000	pH	K	Still on list.
907	OK410210060160	Big Eagle Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
250	OK410210060160	Big Eagle Creek	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
908	OK410210070010	Lukfata Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1633	OK410210070010	Lukfata Creek	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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909	OK410210080010	Glover Creek, Middle	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1336	OK410210080010	Glover Creek, Middle	900	Nutrients	R	Attainment of standard documented. 0/23 TP and NO2/NO3 exceedances
1482	OK410210080010	Glover Creek, Middle	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1635	OK410300010010	Kiamichi River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1634	OK410300010010	Kiamichi River	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
910	OK410300010010	Kiamichi River	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
1483	OK410300010010	Kiamichi River	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1484	OK410300010010	Kiamichi River	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
911	OK410300010020	Gates Creek	900	Nutrients	R	Listed in error based on a one-time chlorophyll sample. Data quantity requirements not met.
1485	OK410300010020	Gates Creek	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
912	OK410300010030	Gates Creek	900	Nutrients	R	Listed in error based on a one-time chlorophyll sample. Data quantity requirements not met.
913	OK410300010040	Raymond Gary Lake	2400	Total Toxics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
914	OK410300020010	Kiamichi River	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1636	OK410300020010	Kiamichi River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
915	OK410300020010	Kiamichi River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
916	OK410300020010	Kiamichi River	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1637	OK410300020020	Hugo Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
917	OK410300020020	Hugo Lake	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
918	OK410300020020	Hugo Lake	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
919	OK410300020020	Hugo Lake	2400	Total Toxics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
920	OK410300020220	Ozzie Cobb Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.

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921	OK410300020220	Ozzie Cobb Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1638	OK410310010010	Kiamichi River	1000	pH	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
922	OK410310010020	Jackfork Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1639	OK410310010020	Jackfork Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
227	OK410310020010	Kiamichi River	1000	pH	K	Still on list.
923	OK410310030020	Sardis Lake	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
924	OK410310030020	Sardis Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1641	OK410310030020	Sardis Lake	900	Nutrients	R	Attaining Aesthetics use.
1640	OK410310030020	Sardis Lake	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
926	OK410400010070	Muddy Boggy River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
927	OK410400010070	Muddy Boggy River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
925	OK410400010070	Muddy Boggy River	1700	Pathogens	K	Still on list.
929	OK410400020010	Clear Boggy Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
229	OK410400020010	Clear Boggy Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
928	OK410400020010	Clear Boggy Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
228	OK410400020010	Clear Boggy Creek	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
930	OK410400020020	Mayhew Creek (Boswell)	900	Nutrients	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1486	OK410400030090	Coal Creek	1300	Salinity	R	Erroneous listing; wrong WBID or duplicate entry
931	OK410400030310	Wapanucka Lake	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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933	OK410400040010	Clear Boggy Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1337	OK410400040010	Clear Boggy Creek	900	Nutrients	R	Attainment of standard documented. (0 out of 10 TP and 0 out of 10 NO2/NO3 samples exceed thresholds--old data) Periphyton normal
932	OK410400040010	Clear Boggy Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
934	OK410400040010	Clear Boggy Creek	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
1367	OK410400040090	Mill Creek, tributary (S29,T2N,R7E)	1300	Salinity	R	Erroneous listing; wrong WBID or duplicate entry
936	OK410400040170	Lake Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
935	OK410400040170	Lake Creek	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
937	OK410400040170	Lake Creek	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
939	OK410400050010	Muddy Boggy Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
940	OK410400050010	Muddy Boggy Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
938	OK410400050010	Muddy Boggy Creek	1700	Pathogens	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
941	OK410400050120	North Boggy Creek	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
942	OK410400050280	McGee Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1642	OK410400060040	Coalgate Municipal Lake	900	Nutrients	R	Attaining Aesthetics use.
943	OK410400060040	Coalgate Municipal Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
944	OK410400060040	Coalgate Municipal Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1487	OK410400060040	Coalgate Municipal Lake	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1488	OK410400060040	Coalgate Municipal Lake	2600	Exotic Species	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.

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947	OK410400080020	Atoka Lake	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1643	OK410400080020	Atoka Lake	900	Nutrients	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
945	OK410400080020	Atoka Lake	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
946	OK410400080020	Atoka Lake	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1644	OK410600010010	Blue River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1489	OK410600010010	Blue River	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1490	OK410600010300	Mineral Bayou (Durant)	1200	Organic Enrichment/DO	R	Listed due to proposed new discharge from Durant. Proposal dropped; no impairment.
1338	OK410600020010	Blue River	900	Nutrients	R	Attainment of standard documented. (0 TP sample out of 30 exceeded the threshold and 0 out of 19 DO exceedances) Periphyton normal.
948	OK410600020010	Blue River	2100	Suspended Solids	R	Listed in error based on highflow suspended solids, for which there is no State water quality criterion.
1491	OK410700000120	Caney Creek (Durant)	1200	Organic Enrichment/DO	4a	TMDL approved.
1492	OK410700000120	Caney Creek (Durant)	1500	Flow Alteration	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
949	OK520100000190	Squirrel Creek (Tecumseh)	900	Nutrients	R	Listed in error as threatened based on nutrient concentrations; no impairment documented or expected within the next two years.
1495	OK520500010010	North Canadian River	200	Pesticides	R	Erroneous listing; wrong WBID or duplicate entry
1497	OK520500010010	North Canadian River	900	Nutrients	R	Erroneous listing; wrong WBID or duplicate entry
1493	OK520500010010	North Canadian River	1100	Siltation	R	Erroneous listing; wrong WBID or duplicate entry
1494	OK520500010010	North Canadian River	1200	Organic Enrichment/DO	R	Erroneous listing; wrong WBID or duplicate entry
1496	OK520500010010	North Canadian River	2100	Suspended Solids	R	Erroneous listing; wrong WBID or duplicate entry
950	OK520500010020	Eufaula Lake, Canadian River Arm, (LWR)	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1645	OK520500010020	Eufaula Lake, Canadian River Arm, (LWR)	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
951	OK520500010020	Eufaula Lake, Canadian River Arm, (LWR)	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
952	OK520500010210	Weleetka Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
953	OK520500010220	Weleetka City Lake	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
954	OK520500010270	Wetumka City Lake	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
955	OK520500010270	Wetumka City Lake	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.

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957	OK520500020010	Wewoka Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1339	OK520500020010	Wewoka Creek	900	Nutrients	R	Attainment of standard documented. 0 out of 10 TP, NO2/NO3 exceedances. 16.7% of DO samples exceed 120% saturation. Moderate amounts of periphyton observed.
956	OK520500020010	Wewoka Creek	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1498	OK520500020090	Little Wewoka Creek	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
958	OK520500020090	Little Wewoka Creek	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
959	OK520500020190	Wewoka Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
960	OK520500020190	Wewoka Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
961	OK520500020220	Sportsman Lake	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1646	OK520500020220	Sportsman Lake	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
962	OK520510000010	North Canadian River	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
965	OK520510000010	North Canadian River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
967	OK520510000010	North Canadian River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
963	OK520510000010	North Canadian River	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
964	OK520510000010	North Canadian River	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1499	OK520510000010	North Canadian River	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
966	OK520510000010	North Canadian River	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1500	OK520510000010	North Canadian River	2600	Exotic Species	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1501	OK520510000010	North Canadian River	8300	?	R	Erroneous listing; no such cause code.
239	OK520510000100	Turkey Creek	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
968	OK520510000110	North Canadian River	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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971	OK520510000110	North Canadian River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
230	OK520510000110	North Canadian River	900	Nutrients	R	Listed in error. Insufficient data; only 3 separate sample dates.
969	OK520510000110	North Canadian River	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1647	OK520510000110	North Canadian River	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1502	OK520510000110	North Canadian River	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
970	OK520510000110	North Canadian River	1700	Pathogens	K	Still on list.
972	OK520510000110	North Canadian River	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
973	OK520510000120	Shan Creek	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
975	OK520510000200	Tecumseh Creek (including Fire Lake)	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1648	OK520510000200	Tecumseh Creek (including Fire Lake)	900	Nutrients	R	Listed in error as threatened based on nutrient concentrations; no impairment documented or expected within the next two years.
974	OK520510000200	Tecumseh Creek (including Fire Lake)	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1503	OK520510000200	Tecumseh Creek (including Fire Lake)	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1649	OK520510000220	Tecumseh Lake	900	Nutrients	R	Listed in error as threatened based on nuisance level blue-green concentrations and other chlorophyll collections, rather than State water quality criteria.
976	OK520510000220	Tecumseh Lake	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
977	OK520510000220	Tecumseh Lake	2000	Taste and Odor	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
978	OK520510000220	Tecumseh Lake	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1504	OK520510000220	Tecumseh Lake	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
979	OK520510000280	Shawnee Twin Lakes	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1650	OK520510000280	Shawnee Twin Lakes	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
980	OK520520000010	North Canadian River (Metro OKC)	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
983	OK520520000010	North Canadian River (Metro OKC)	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.

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981	OK520520000010	North Canadian River (Metro OKC)	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
982	OK520520000010	North Canadian River (Metro OKC)	1700	Pathogens	K	Still on list.
984	OK520520000060	Crutcho Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
985	OK520520000070	Crutcho Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
986	OK520520000090	Crutcho Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
988	OK520520000110	Cherry Creek	900	Nutrients	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
987	OK520520000110	Cherry Creek	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
989	OK520520030270	Crutcho Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
990	OK520520030270	Crutcho Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1651	OK520530000010	North Canadian River (Metro OKC)	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1340	OK520530000010	North Canadian River (Metro OKC)	1200	Organic Enrichment/DO	R	Attainment of standard documented. No exceedances of WQS criterion
991	OK520600010010	Canadian River	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1505	OK520600010010	Canadian River	100	Unknown Toxicity	R	Erroneous listing; wrong WBID or duplicate entry
993	OK520600010010	Canadian River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1653	OK520600010010	Canadian River	900	Nutrients	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1652	OK520600010010	Canadian River	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1506	OK520600010010	Canadian River	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
992	OK520600010010	Canadian River	1700	Pathogens	K	Still on list.
994	OK520600010010	Canadian River	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.

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995	OK520600020010	Canadian River	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
998	OK520600020010	Canadian River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1000	OK520600020010	Canadian River	900	Nutrients	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
996	OK520600020010	Canadian River	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
997	OK520600020010	Canadian River	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1507	OK520600020010	Canadian River	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
999	OK520600020010	Canadian River	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
1001	OK520600030010	Canadian Sandy Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1002	OK520600030030	Spring Brook Creek	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1003	OK520610010010	Canadian River (Norman)	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment. Still in Category 5 for other pollutants.
1654	OK520610010010	Canadian River (Norman)	900	Nutrients	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment. Still in Category 5 for other pollutants.
1508	OK520610010010	Canadian River (Norman)	1200	Organic Enrichment/DO	R	TMDL approved and implemented. Still in Category 5 for other pollutants.
1005	OK520610010200	Merkle Creek	100	Unknown Toxicity	R	Attaining WWAC Use.
1007	OK520610010200	Merkle Creek	200	Pesticides	R	Attaining WWAC Use.
1008	OK520610010200	Merkle Creek	900	Nutrients	R	Attaining Aesthetics use.
1006	OK520610010200	Merkle Creek	1100	Siltation	R	Attaining WWAC Use.
1509	OK520610010200	Merkle Creek	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1510	OK520610010200	Merkle Creek	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1009	OK520610010210	Pond Creek	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1010	OK520610010230	Cow Creek	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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1012	OK520610020010	Canadian River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1013	OK520610020010	Canadian River	900	Nutrients	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1011	OK520610020010	Canadian River	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1004	OK520610030010	Walnut Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1656	OK520610030040	Purcell Lake	900	Nutrients	R	Attaining Aesthetics use.
1655	OK520610030040	Purcell Lake	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1014	OK520620010010	Canadian River	1700	Pathogens	K	Still on list.
1015	OK520620010010	Mark Creek	1700	Pathogens	K	Still on list.
1016	OK520620010010	Mark Creek	1700	Pathogens	K	Still on list.
1511	OK520620010010	Canadian River	1700	Pathogens	K	Still on list.
1018	OK520620010080	Deer Creek	900	Nutrients	R	Erroneous listing; wrong WBID or duplicate entry
1017	OK520620010080	Deer Creek	1100	Siltation	R	Erroneous listing; wrong WBID or duplicate entry
1657	OK520620010100	American Horse Lake	900	Nutrients	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1020	OK520620060010	Deer Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1019	OK520620060010	Deer Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1021	OK520620060040	Little Deep Fork	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1512	OK520700020080	Adams Creek	1200	Organic Enrichment/DO	4a	TMDL approved.
1024	OK520700010080	Gentry Creek	900	Nutrients	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1022	OK520700010080	Gentry Creek	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1023	OK520700010080	Gentry Creek	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
1025	OK520700010140	Coal Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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1026	OK520700010170	Wolf Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1027	OK520700010290	Okmulgee Creek	100	Unknown Toxicity	R	Attaining WWAC Use.
1028	OK520700010290	Okmulgee Creek	700	Chlorine	R	Attaining WWAC Use.
1513	OK520700010290	Okmulgee Creek	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1368	OK520700010290	Okmulgee Creek	1900	Oil and Grease	R	Attaining WWAC Use.
1029	OK520700020290	Morris Lake	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1030	OK520700020290	Okemah Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1031	OK520700020290	Morris Lake	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
1032	OK520700020290	Morris Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1033	OK520700020290	Okemah Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1034	OK520700020290	Okemah Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1036	OK520700030100	Salt Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1037	OK520700030100	Salt Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1035	OK520700030100	Salt Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1369	OK520700030100	Salt Creek	1300	Salinity	R	Data indicate no impairment for this parent cause (Salinity, 1300) or child causes (TDS, 1320; Chlorides, 1330) or related cause (Sulfates, 750).
1040	OK520700030220	Camp Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1038	OK520700030220	Camp Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1039	OK520700030220	Camp Creek	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
1041	OK520700030230	Camp Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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1042	OK520700030240	Stroud Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1514	OK520700030240	Stroud Lake	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1043	OK520700030240	Stroud Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
1044	OK520700030270	Hillbilly Creek	1200	Organic Enrichment/DO	R	TMDL approved. Still in Category 5 for other pollutants.
1045	OK520700040020	Dry Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1046	OK520700040360	Quapaw Creek, South	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1047	OK520700040370	Meeker Lake	2000	Taste and Odor	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1048	OK520700040370	Meeker Lake	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1515	OK520700040370	Meeker Lake	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1658	OK520700050060	Chandler Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1050	OK520700060010	Little Deep Fork Creek (Bristow & Depew)	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
232	OK520700060010	Little Deep Fork Creek (Bristow & Depew)	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1049	OK520700060010	Little Deep Fork Creek (Bristow & Depew)	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
231	OK520700060010	Little Deep Fork Creek (Bristow & Depew)	1200	Organic Enrichment/DO	R	TMDL approved. Still in Category 5 for other pollutants.
1370	OK520700060210	West Spring Creek, Tributary	1900	Oil and Grease	R	Data indicate no impairment for this cause.
1053	OK520710010010	Canadian River, Deep Fork	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1055	OK520710010010	Canadian River, Deep Fork	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1056	OK520710010010	Canadian River, Deep Fork	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1051	OK520710010010	Canadian River, Deep Fork	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.

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1052	OK520710010010	Canadian River, Deep Fork	1700	Pathogens	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1054	OK520710010010	Canadian River, Deep Fork	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
1659	OK520710020020	Arcadia Reservoir	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1660	OK520710020020	Arcadia Reservoir	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
1059	OK520710020030	Spring Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1060	OK520710020030	Spring Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1057	OK520710020030	Spring Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1058	OK520710020030	Spring Creek	1700	Pathogens	K	Still on list.
1063	OK520710020060	Canadian River, Deep Fork	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1064	OK520710020060	Canadian River, Deep Fork	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1061	OK520710020060	Canadian River, Deep Fork	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1062	OK520710020060	Canadian River, Deep Fork	1700	Pathogens	K	Still on list.
1065	OK520800010010	Little River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1516	OK520800010010	Little River	2600	Exotic Species	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1517	OK520800010050	Bird Creek	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1066	OK520800010090	Little River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1068	OK520800010100	Salt Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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1070	OK520800010100	Salt Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1067	OK520800010100	Salt Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1069	OK520800010100	Salt Creek	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
1073	OK520800030010	Salt Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1074	OK520800030010	Salt Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1071	OK520800030010	Salt Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1072	OK520800030010	Salt Creek	1300	Salinity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1075	OK520810000020	Thunderbird Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment. Still in Category 5 for other pollutants.
1076	OK520810000020	Thunderbird Lake	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment. Still in Category 5 for other pollutants.
1661	OK520810000020	Thunderbird Lake	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1518	OK520810000020	Thunderbird Lake	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1077	OK520810000030	Hog Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1078	OK520810000080	Little River	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1079	OK520810000100	Elk Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1081	OK520810000130	Stanley Draper Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1080	OK520810000130	Stanley Draper Creek	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1519	OK520810000130	Stanley Draper Creek	1500	Flow Alteration	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1520	OK520810000130	Stanley Draper Creek	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1082	OK520810000130	Stanley Draper Creek	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.

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1086	OK620900010010	Cimarron River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1083	OK620900010010	Cimarron River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1084	OK620900010010	Cimarron River	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
1085	OK620900010010	Cimarron River	1700	Pathogens	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1087	OK620900010010	Cimarron River	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1088	OK620900010020	Keystone Lake	300	Priority Organics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1089	OK620900010020	Keystone Lake	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1662	OK620900010020	Keystone Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1524	OK620900010080	Cimarron River	200	Pesticides	R	Erroneous listing; wrong WBID or duplicate entry
1521	OK620900010080	Cimarron River	1100	Siltation	R	Erroneous listing; wrong WBID or duplicate entry
1522	OK620900010080	Cimarron River	1300	Salinity	R	Erroneous listing; wrong WBID or duplicate entry
1523	OK620900010080	Cimarron River	1700	Pathogens	R	Erroneous listing; wrong WBID or duplicate entry
1525	OK620900010080	Cimarron River	2100	Suspended Solids	R	Erroneous listing; wrong WBID or duplicate entry
1090	OK620900010090	Keystone Lake, Cimarron	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1663	OK620900010090	Keystone Lake, Cimarron	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1664	OK620900010090	Keystone Lake, Cimarron	1400	Thermal Stratification	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1526	OK620900010090	Keystone Lake, Cimarron	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1091	OK620900010090	Keystone Lake, Cimarron	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1093	OK620900010140	Cottonwood Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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1092	OK620900010140	Cottonwood Creek	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1096	OK620900010170	Cimarron River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1094	OK620900010170	Cimarron River	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1371	OK620900010170	Cimarron River	1300	Salinity	R	Data indicate no impairment for this parent cause (Salinity, 1300) or child causes (TDS, 1320; Chlorides, 1330) or related cause (Sulfates, 750).
1527	OK620900010170	Cimarron River	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1095	OK620900010170	Cimarron River	1700	Pathogens	K	Still on list.
1372	OK620900010170	Cimarron River	1900	Oil and Grease	R	Data indicate no impairment for this cause.
1097	OK620900010170	Cimarron River	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1373	OK620900010400	Tiger Creek Tributary	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
1100	OK620900020010	Cimarron River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1098	OK620900020010	Cimarron River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1374	OK620900020010	Cimarron River	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
1528	OK620900020010	Cimarron River	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1099	OK620900020010	Cimarron River	1700	Pathogens	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1375	OK620900020010	Cimarron River	1900	Oil and Grease	R	Data indicate no impairment for this cause.
1101	OK620900020010	Cimarron River	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1102	OK620900020100	Big Creek	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1103	OK620900020100	Big Creek	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
1104	OK620900020110	Big Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1105	OK620900020120	Cushing Lake	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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1106	OK620900020120	Cushing Lake	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1107	OK620900020120	Cushing Lake	2400	Total Toxics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1110	OK620900030010	Cimarron River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1108	OK620900030010	Cimarron River	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1376	OK620900030010	Cimarron River	1300	Salinity	R	Data indicate no impairment for this parent cause (Salinity, 1300) or child causes (TDS, 1320; Chlorides, 1330) or related cause (Sulfates, 750).
1529	OK620900030010	Cimarron River	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1109	OK620900030010	Cimarron River	1700	Pathogens	K	Still on list.
1377	OK620900030010	Cimarron River	1900	Oil and Grease	R	Data indicate no impairment for this cause.
1111	OK620900030010	Cimarron River	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1113	OK620900030020	Stillwater Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1115	OK620900030020	Stillwater Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1112	OK620900030020	Stillwater Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1530	OK620900030020	Stillwater Creek	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1114	OK620900030020	Stillwater Creek	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
1117	OK620900040010	Stillwater Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1119	OK620900040010	Stillwater Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1116	OK620900040010	Stillwater Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1118	OK620900040010	Stillwater Creek	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
1120	OK620900040040	Stillwater Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.

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1121	OK620900040040	Stillwater Creek	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
1122	OK620900040050	Little Stillwater Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1123	OK620900040050	Little Stillwater Creek	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
1124	OK620900040070	Stillwater Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1125	OK620900040070	Stillwater Creek	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
1126	OK620900040090	Brush Creek	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1127	OK620900040090	Brush Creek	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
1128	OK620900040270	Stillwater Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1129	OK620900040280	Carl Blackwell Lake	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1130	OK620900040280	Carl Blackwell Lake	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1131	OK620910010010	Cimarron River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1132	OK620910010010	Cimarron River	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1134	OK620910010050	Cottonwood Creek	200	Pesticides	R	Erroneous listing; wrong WBID or duplicate entry
1133	OK620910010050	Cottonwood Creek	1200	Organic Enrichment/DO	R	Erroneous listing; wrong WBID or duplicate entry
1135	OK620910010090	Boggy Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1136	OK620910010090	Boggy Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1137	OK620910010090	Boggy Creek	600	Ammonia	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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1138	OK620910010140	Walnut Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1139	OK620910020010	Cimarron River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1140	OK620910020010	Cimarron River	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1146	OK620910020030	Turkey Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1144	OK620910020030	Turkey Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1145	OK620910020030	Turkey Creek	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1147	OK620910030010	Skeleton Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1149	OK620910030010	Skeleton Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1151	OK620910030010	Skeleton Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1152	OK620910030010	Skeleton Creek	600	Ammonia	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1148	OK620910030010	Skeleton Creek	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1531	OK620910030010	Skeleton Creek	1500	Flow Alteration	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1150	OK620910030010	Skeleton Creek	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1153	OK620910030170	Skeleton Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1154	OK620910030220	Hackberry Creek	1200	Organic Enrichment/DO	4a	TMDL approved.
1155	OK620910030240	Skeleton Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1157	OK620910040010	Cottonwood Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1156	OK620910040010	Cottonwood Creek	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1665	OK620910040060	Guthrie Lake	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.

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1160	OK620910040100	Chisholm Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1161	OK620910040100	Chisholm Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1158	OK620910040100	Chisholm Creek	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1159	OK620910040100	Chisholm Creek	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1162	OK620910040120	Deer Creek	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1165	OK620910040140	Bluff Creek	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1163	OK620910040140	Bluff Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1164	OK620910040140	Bluff Creek	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
1166	OK620910040200	Hefner Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1666	OK620910040200	Hefner Lake	900	Nutrients	R	Attaining Aesthetics use.
1168	OK620910040260	Northwood Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1170	OK620910040260	Northwood Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1167	OK620910040260	Northwood Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1169	OK620910040260	Northwood Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1143	OK620910050010	Kingfisher Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1141	OK620910050010	Kingfisher Creek	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1142	OK620910050010	Kingfisher Creek	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1173	OK620910050070	Elmer Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1171	OK620910050070	Elmer Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1172	OK620910050070	Elmer Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.

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233	OK620910060010	Turkey Creek	900	Nutrients	R	Listed in error as threatened. not threatened- n = 49, and median TP = 0.356 (slope <17, canopy cover <80%) but median baseflow turbidity - 29.3 NTU- too turbid.
1174	OK620910060010	Turkey Creek	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1175	OK620910060010	Turkey Creek	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1176	OK620910060140	Dry Salt Creek	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1177	OK620920010010	Cimarron River	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1178	OK620920010010	Cimarron River	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1182	OK620920020010	Cimarron River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1179	OK620920020010	Cimarron River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1180	OK620920020010	Cimarron River	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1181	OK620920020010	Cimarron River	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1183	OK620920030010	Cimarron River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1184	OK620920030010	Cimarron River	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1186	OK620920040010	Eagle Chief Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1188	OK620920040010	Eagle Chief Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1185	OK620920040010	Eagle Chief Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1532	OK620920040010	Eagle Chief Creek	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1187	OK620920040010	Eagle Chief Creek	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
1190	OK620920040070	Carmen Lake	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1667	OK620920040070	Carmen Lake	900	Nutrients	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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1189	OK620920040070	Carmen Lake	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1533	OK620920040070	Carmen Lake	2300	Filling and Draining	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1341	OK620920040070	Carmen Lake	2400	Total Toxics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1534	OK620920040070	Carmen Lake	2600	Exotic Species	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1191	OK620920050010	Buffalo Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1192	OK620930000040	Old Settlers Irrigation Ditch	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).
1194	OK621000010010	Arkansas River, Salt Fork	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1196	OK621000010010	Arkansas River, Salt Fork	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1197	OK621000010010	Arkansas River, Salt Fork	700	Chlorine	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1669	OK621000010010	Arkansas River, Salt Fork	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1193	OK621000010010	Arkansas River, Salt Fork	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1668	OK621000010010	Arkansas River, Salt Fork	1300	Salinity	R	Data indicate no impairment for this parent cause (Salinity, 1300) or child causes (TDS, 1320; Chlorides, 1330) or related cause (Sulfates, 750).
1195	OK621000010010	Arkansas River, Salt Fork	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1200	OK621000010100	Unnamed Trib of Deer Creek	900	Nutrients	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1198	OK621000010100	Unnamed Trib of Deer Creek	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1199	OK621000010100	Unnamed Trib of Deer Creek	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
1378	OK621000010130	Red Birds Nest Creek	1300	Salinity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1202	OK621000020010	Arkansas River, Salt Fork	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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1203	OK621000020010	Arkansas River, Salt Fork	700	Chlorine	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1201	OK621000020010	Arkansas River, Salt Fork	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
1205	OK621000040010	Deer Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1204	OK621000040010	Deer Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1379	OK621000040080	Dry Creek, Tributary	1300	Salinity	R	Data indicate no impairment for this parent cause (Salinity, 1300) or child causes (TDS, 1320; Chlorides, 1330) or related cause (Sulfates, 750).
1207	OK621010010010	Arkansas River, Salt Fork	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1209	OK621010010010	Arkansas River, Salt Fork	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1210	OK621010010010	Arkansas River, Salt Fork	900	Nutrients	R	Attaining Aesthetics use.
1206	OK621010010010	Arkansas River, Salt Fork	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1208	OK621010010010	Arkansas River, Salt Fork	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
1212	OK621010010020	Great Salt Plains Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1214	OK621010010020	Great Salt Plains Lake	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1215	OK621010010020	Great Salt Plains Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1211	OK621010010020	Great Salt Plains Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1213	OK621010010020	Great Salt Plains Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.

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1216	OK621010010160	Arkansas River, Salt Fork	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1218	OK621010010160	Arkansas River, Salt Fork	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1671	OK621010010160	Arkansas River, Salt Fork	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1217	OK621010010160	Arkansas River, Salt Fork	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1670	OK621010010160	Arkansas River, Salt Fork	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1535	OK621010010160	Arkansas River, Salt Fork	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1219	OK621010010160	Arkansas River, Salt Fork	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1220	OK621010010220	Arkansas River, Salt Fork	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1222	OK621010010220	Arkansas River, Salt Fork	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1224	OK621010010220	Arkansas River, Salt Fork	900	Nutrients	R	Attaining Aesthetics use.
1221	OK621010010220	Arkansas River, Salt Fork	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1536	OK621010010220	Arkansas River, Salt Fork	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1223	OK621010010220	Arkansas River, Salt Fork	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
1226	OK621010030010	Medicine Lodge River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1225	OK621010030010	Medicine Lodge River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1227	OK621010030010	Medicine Lodge River	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
1228	OK621010030100	Stink Creek	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1229	OK621010030100	Stink Creek	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.

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1230	OK621100000010	Chickaskia River	500	Metals	K	Still on list.
1231	OK621100000030	Duck Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1232	OK621100000100	Bitter Creek	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1537	OK621100000100	Bitter Creek	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1233	OK621100000100	Bitter Creek	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1342	OK621200010010	Arkansas River	300	Priority Organics	R	Erroneous listing; wrong WBID or duplicate entry
1343	OK621200010010	Arkansas River	900	Nutrients	R	Erroneous listing; wrong WBID or duplicate entry
1235	OK621200010020	Keystone Lake	300	Priority Organics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1675	OK621200010020	Keystone Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1234	OK621200010020	Keystone Lake	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1672	OK621200010020	Keystone Lake	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1673	OK621200010020	Keystone Lake	1400	Thermal Stratification	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1538	OK621200010020	Keystone Lake	1500	Flow Alteration	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1674	OK621200010020	Keystone Lake	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1346	OK621200010040	Arkansas River	300	Priority Organics	R	Erroneous listing; wrong WBID or duplicate entry
1347	OK621200010040	Arkansas River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1344	OK621200010040	Arkansas River	1100	Siltation	R	Erroneous listing; wrong WBID or duplicate entry
1345	OK621200010040	Arkansas River	2100	Suspended Solids	R	Erroneous listing; wrong WBID or duplicate entry
1238	OK621200010050	Keystone Lake, Arkansas	300	Priority Organics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1679	OK621200010050	Keystone Lake, Arkansas	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1236	OK621200010050	Keystone Lake, Arkansas	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1676	OK621200010050	Keystone Lake, Arkansas	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1677	OK621200010050	Keystone Lake, Arkansas	1300	Salinity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1678	OK621200010050	Keystone Lake, Arkansas	1400	Thermal Stratification	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

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1539	OK621200010050	Keystone Lake, Arkansas	1500	Flow Alteration	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1237	OK621200010050	Keystone Lake, Arkansas	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
1239	OK621200010200	Arkansas River	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1680	OK621200010200	Arkansas River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1240	OK621200010200	Arkansas River	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1540	OK621200010200	Arkansas River	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1682	OK621200010270	Cleveland Lake	900	Nutrients	R	Attaining Aesthetics use.
1241	OK621200010270	Cleveland Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1681	OK621200010270	Cleveland Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1242	OK621200010430	Salt Creek	1100	Siltation	R	Erroneous listing; wrong WBID or duplicate entry
1243	OK621200010430	Salt Creek	2100	Suspended Solids	R	Erroneous listing; wrong WBID or duplicate entry
1244	OK621200020010	Arkansas River	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1247	OK621200020010	Arkansas River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1245	OK621200020010	Arkansas River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1541	OK621200020010	Arkansas River	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1246	OK621200020010	Arkansas River	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
1249	OK621200030010	Black Bear Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1248	OK621200030010	Black Bear Creek	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1542	OK621200030010	Black Bear Creek	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
234	OK621200030010	Black Bear Creek	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1250	OK621200030190	Oak Creek (Glencoe)	1200	Organic Enrichment/DO	4a	TMDL approved.

1998 Key	Waterbody ID	Name	Cause Code	Cause	Status on 2002 Draft List	2002 Status Change Justification
1251	OK621200030260	Black Bear Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1253	OK621200030260	Black Bear Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1252	OK621200030260	Black Bear Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1543	OK621200030260	Black Bear Creek	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1254	OK621200030260	Black Bear Creek	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
1258	OK621200030340	Cow Creek	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1388	OK621200030340	Cow Creek	900	Nutrients	R	Erroneous listing; wrong WBID or duplicate entry
1389	OK621200030340	Cow Creek	900	Nutrients	R	Erroneous listing; wrong WBID or duplicate entry
1390	OK621200030340	Cow Creek	900	Nutrients	R	Erroneous listing; wrong WBID or duplicate entry
1255	OK621200030340	Cow Creek	1100	Siltation	R	Listed in error based on limited number of turbidity samples. Data quantity requirement not met.
1380	OK621200030340	Cow Creek	1100	Siltation	R	Erroneous listing; wrong WBID or duplicate entry
1381	OK621200030340	Cow Creek	1100	Siltation	R	Erroneous listing; wrong WBID or duplicate entry
1382	OK621200030340	Cow Creek	1100	Siltation	R	Erroneous listing; wrong WBID or duplicate entry
1383	OK621200030340	Cow Creek	1600	Other Habitat Alterations	R	Erroneous listing; wrong WBID or duplicate entry
1544	OK621200030340	Cow Creek	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1256	OK621200030340	Cow Creek	2100	Suspended Solids	R	Listed in error based on limited number of turbidity samples. Data quantity requirement not met.
1384	OK621200030340	Cow Creek	2100	Suspended Solids	R	Erroneous listing; wrong WBID or duplicate entry
1385	OK621200030340	Cow Creek	2100	Suspended Solids	R	Erroneous listing; wrong WBID or duplicate entry
1386	OK621200030340	Cow Creek	2100	Suspended Solids	R	Erroneous listing; wrong WBID or duplicate entry
1257	OK621200030340	Cow Creek	2400	Total Toxics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1387	OK621200030340	Cow Creek	2400	Total Toxics	R	Erroneous listing; wrong WBID or duplicate entry
1683	OK621200030350	Perry Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1259	OK621200030350	Perry Lake	1100	Siltation	R	Listed in error based on limited number of turbidity samples. Data quantity requirement not met.
1260	OK621200030350	Perry Lake	2100	Suspended Solids	R	Listed in error based on limited number of turbidity samples. Data quantity requirement not met.
1391	OK621200030440	Warren Creek, Tributary	1300	Salinity	R	Erroneous listing; wrong WBID or duplicate entry

1998 Key	Waterbody ID	Name	Cause Code	Cause	Status on 2002 Draft List	2002 Status Change Justification
1262	OK621200040010	Salt Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1261	OK621200040010	Salt Creek	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1263	OK621200040010	Salt Creek	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
1264	OK621200050010	Red Rock Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1267	OK621210000010	Arkansas River	400	Nonpriority Organics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1268	OK621210000010	Arkansas River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1265	OK621210000010	Arkansas River	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1266	OK621210000010	Arkansas River	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1270	OK621210000020	Kaw Lake (Arkansas River)	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1272	OK621210000020	Kaw Lake (Arkansas River)	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1269	OK621210000020	Kaw Lake (Arkansas River)	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1684	OK621210000020	Kaw Lake (Arkansas River)	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1271	OK621210000020	Kaw Lake (Arkansas River)	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1545	OK621210000020	Kaw Lake (Arkansas River)	2600	Exotic Species	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1277	OK621210000030	Arkansas River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1273	OK621210000030	Arkansas River	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1274	OK621210000030	Arkansas River	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1275	OK621210000030	Arkansas River	2000	Taste and Odor	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

1998 Key	Waterbody ID	Name	Cause Code	Cause	Status on 2002 Draft List	2002 Status Change Justification
1276	OK621210000030	Arkansas River	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
1281	OK621210000040	Kaw Lake, Arkansas River Arm	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1278	OK621210000040	Kaw Lake, Arkansas River Arm	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1685	OK621210000040	Kaw Lake, Arkansas River Arm	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1686	OK621210000040	Kaw Lake, Arkansas River Arm	1400	Thermal Stratification	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1546	OK621210000040	Kaw Lake, Arkansas River Arm	1500	Flow Alteration	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1547	OK621210000040	Kaw Lake, Arkansas River Arm	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1279	OK621210000040	Kaw Lake, Arkansas River Arm	2000	Taste and Odor	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1280	OK621210000040	Kaw Lake, Arkansas River Arm	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
1548	OK621210000040	Kaw Lake, Arkansas River Arm	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1282	OK621210000050	Beaver Creek	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1283	OK621210000050	Beaver Creek	1100	Siltation	R	Listed in error as threatened based on evaluated data, not monitoring data. Data requirements not met.
1284	OK621210000050	Beaver Creek	2100	Suspended Solids	R	Listed in error as threatened based on evaluated data, not monitoring data. Data requirements not met.
1289	OK621210000060	Kaw Lake, Beaver Creek Arm	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1285	OK621210000060	Kaw Lake, Beaver Creek Arm	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1286	OK621210000060	Kaw Lake, Beaver Creek Arm	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1687	OK621210000060	Kaw Lake, Beaver Creek Arm	1400	Thermal Stratification	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

1998 Key	Waterbody ID	Name	Cause Code	Cause	Status on 2002 Draft List	2002 Status Change Justification
1549	OK621210000060	Kaw Lake, Beaver Creek Arm	1500	Flow Alteration	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1550	OK621210000060	Kaw Lake, Beaver Creek Arm	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1287	OK621210000060	Kaw Lake, Beaver Creek Arm	2000	Taste and Odor	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1288	OK621210000060	Kaw Lake, Beaver Creek Arm	2100	Suspended Solids	R	Listed in error based on highflow turbidity and suspended solids concentrations. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions; there are no State water quality criteria for suspended solids.
1551	OK621210000060	Kaw Lake, Beaver Creek Arm	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1293	OK621210000220	Newkirk Country Club Lake	900	Nutrients	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1290	OK621210000220	Newkirk Country Club Lake	1100	Siltation	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1291	OK621210000220	Newkirk Country Club Lake	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1552	OK621210000220	Newkirk Country Club Lake	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1553	OK621210000220	Newkirk Country Club Lake	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1292	OK621210000220	Newkirk Country Club Lake	2400	Total Toxics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1295	OK720500010010	North Canadian River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1688	OK720500010010	North Canadian River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1294	OK720500010010	North Canadian River	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1554	OK720500010010	North Canadian River	1200	Organic Enrichment/DO	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1296	OK720500010010	North Canadian River	2100	Suspended Solids	R	Impairment corrected to Turbidity on 2002 list.
1298	OK720500010020	Canton Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1690	OK720500010020	Canton Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1297	OK720500010020	Canton Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.

1998 Key	Waterbody ID	Name	Cause Code	Cause	Status on 2002 Draft List	2002 Status Change Justification
1689	OK720500010020	Canton Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1691	OK720500010260	Crystal Beach Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1299	OK720500010260	Crystal Beach Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1555	OK720500010260	Crystal Beach Lake	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1301	OK720500010280	Field Station Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1300	OK720500010280	Field Station Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1556	OK720500010280	Field Station Lake	2200	Noxious Aquatic Plants	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1303	OK720500020020	Wolf Creek	200	Pesticides	R	Erroneous listing; wrong WBID or duplicate entry
1557	OK720500020020	Wolf Creek, Tributary at Beaver Creek	200	Pesticides	R	Erroneous listing; wrong WBID or duplicate entry
1305	OK720500020020	Wolf Creek	900	Nutrients	R	Erroneous listing; wrong WBID or duplicate entry
1558	OK720500020020	Wolf Creek, Tributary at Beaver Creek	900	Nutrients	R	Erroneous listing; wrong WBID or duplicate entry
1302	OK720500020020	Wolf Creek	1100	Siltation	R	Erroneous listing; wrong WBID or duplicate entry
1559	OK720500020020	Wolf Creek, Tributary at Beaver Creek	1100	Siltation	R	Erroneous listing; wrong WBID or duplicate entry
1304	OK720500020020	Wolf Creek	2100	Suspended Solids	R	Erroneous listing; wrong WBID or duplicate entry
1560	OK720500020020	Wolf Creek, Tributary at Beaver Creek	2100	Suspended Solids	R	Erroneous listing; wrong WBID or duplicate entry
1306	OK720500020130	Kiowa Creek	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1307	OK720500020220	Evans Chambers Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1561	OK720500020220	Evans Chambers Lake	1600	Other Habitat Alterations	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1308	OK720500020220	Evans Chambers Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1309	OK720500030010	Wolf Creek above Fort Supply Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1692	OK720500030010	Wolf Creek above Fort Supply Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1310	OK720500030010	Wolf Creek above Fort Supply Lake	1100	Siltation	R	Impairment corrected to Turbidity on 2002 list.
1311	OK720500030010	Wolf Creek above Fort Supply Lake	1300	Salinity	R	There is no water quality standard for salinity. Impairments now represented by TDS (1320), Chlorides (1330), or Sulfates (750).

1998 Key	Waterbody ID	Name	Cause Code	Cause	Status on 2002 Draft List	2002 Status Change Justification
1312	OK720500030020	Fort Supply Lake	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1313	OK720500030020	Fort Supply Lake	500	Metals	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1314	OK720500030020	Fort Supply Lake	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1315	OK720500030020	Fort Supply Lake	1100	Siltation	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits the application of turbidity criteria to base flow conditions.
1316	OK720500030020	Fort Supply Lake	2100	Suspended Solids	R	Listed in error based on highflow turbidity sampling. OAC 785:45-5-12(f)(7)(C) limits turbidity standards to base flow conditions.
1317	OK720510000010	North Canadian River	100	Unknown Toxicity	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1318	OK720510000010	North Canadian River	200	Pesticides	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1320	OK720510000010	North Canadian River	900	Nutrients	R	Listed in error as threatened; no impairment documented or expected within the next two years.
1392	OK720510000010	North Canadian River	1900	Oil and Grease	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.
1319	OK720510000010	North Canadian River	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
1562	OK720510000010	North Canadian River	2600	Exotic Species	R	Listed in error. Pollution vs. pollutant. No impairment documented or expected.
1321	OK720510000030	Optima Lake	2100	Suspended Solids	R	Listed in error based on suspended solids, for which there is no State water quality criterion.
1322	OK720510000160	Sunset (Guymon) Lake	2400	Total Toxics	R	Data is non-existent or insufficient, according to the Listing Methodology, to assess use attainment; water should more appropriately be in Category 2 or 3.

Appendix E

Oklahoma Water Watch Data

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Eucha Lake	02/09/00	1	44	7.25	93	10.8				1	Trash near water, broken glass near water, several campfires sited saw near water Water level was up compared to 011100
Eucha Lake	03/14/00	1	57	7.75	9.5					2	smolding fire near water, a few items of trash near water, several dead fish in water (looks like from gigging) waterup a little from last time.
Eucha Lake	03/14/00	1	74	7.5	19	11.15				1	trash on the ground, dead fish on the bank.
Eucha Lake	04/11/00	1	12	7.5	93	8.7				1	More trash there were campers, the water has risen, dead fish from gigging, baby crawdads, cranes and geese, people fishing, real muddy from rain
Eucha Lake	05/11/00	1	75	7.5	93	8.9				1	There were dead fish and fish heads along the bank. A dead vulture and dead snake along the bank. There was trash along the bank, but not as bad as usual. The was up since last month.
Eucha Lake	06/13/00	1	77	7.5	93	9.7				3	Water level was up. There was not a lot of trash. There is a lot of moss along the edge of the water. A school of fish were jumping through the water.
Eucha Lake	07/12/00	1	32	7.25	93	7.25				1	Water looked a little high. Area around lake was fairly clean.
Eucha Lake	08/11/00	1	34	7.2	107	6				3	Broken beer botton on land and on ramp, and in water
Eucha Lake	09/12/00	1	40	7	93	5.7				2	Dead trees, lots of trash, stinks, water is down, fishermen, dead animals
Eucha Lake	10/10/00	1		7.5		8.3				1	A lot of trash and the water is down

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Eucha Lake	11/11/00	1		6.75		9.3				1	Maintenance was here cleaning. Very little trash. Lots of broken beer bottles.
Eucha Lake	12/12/00	1		7	93	10.35				0	Ducks in water probaly 100 or 50. Light snow on ground.
Eucha Lake	01/10/01	1	30	7.5	93	10.8				1	trash on the ground. The water pretty clean. Dead animals in the trash.
Eucha Lake	02/13/01	1		7.25	93	8.5				2	water is up, dirty, lear, logs all over muddy
Eucha Lake	03/13/01	1		7.29	0.93	9.4				0	
Eucha Lake	05/11/01	1		7.5		8.2				2	
Eucha Lake	06/16/01	1		7.25						3	minnows in water, pollen % leave on top of water, water level up (AV)
Eucha Lake	11/15/01	1		7.25	93	8.35	0	0.02	0	2	garbage in water. Trash is everywhere around the site. Water is extremely low <monitor
Eucha Lake	02/09/00	2	8	7.75	93	10.7				0	trash and foam in and around water, dead tree branches and drift wood on bank, saw a turtle swimming in the water.
Eucha Lake	04/11/00	2	98	7.5	25	8.15				2	Ducks in water, saw a fish jumping in the water, camp was clean compared to other times
Eucha Lake	05/11/00	2	69	8.75	30	9.5				2	We had to get a fresh bucket of water because the 2000 test wouldn't came out correctly. We did the titration 6 times. 3 of the times we had the answer 9.5. The lake didn't have as much trash as it usually does.
Eucha Lake	06/13/00	2	67	8	20	9.5				1	The water looks nasty and green. There are plants growing on the banks. The land has very little trash.
Eucha Lake	07/12/00	2	30	8	2.5	9.3				3	Water up a little. There is an abundant amount of algae in the water. Saw a big fish jump

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Eucha Lake	08/11/00	2	74	8.75	13	9.25				3	We saw some fish jump up and out of the water. The water was very nasty. There was people fishing.
Eucha Lake	09/12/00	2	69	7.25	27	5.2				1	fish jumping in water, people fishing, looks pretty clean
Eucha Lake	10/10/00	2	58	8.5	48	8				0	Well its pretty clean, but the water has dropped sense. When the last time we was here, it has been cleaned up. There was a snake skin on the dock.
Eucha Lake	11/14/00	2		8.5		8.2				0	Its pretty clean just a couple of cups. Some bags there was a guy on a tractor cleaning up other than that it was clean. There also is a dead log in the water.
Eucha Lake	12/12/00	2		7.75	93	11.6				0	
Eucha Lake	02/13/01	2	56	7.25	13	9.8				0	water is murky, it is foggy outside
Eucha Lake	03/13/01	2	41	8.5	25	9.3				1	
Eucha Lake	05/11/01	2		8.5		7.4				1	
Eucha Lake	06/16/01	2	33	8.75	13					2	bubbles on water that looked a little foamy (AV)
Eucha Lake	11/15/01	2	67	7.25	38	8.73	0.18	0.02	0	3	trash along water line. Water is slightly yellow and very low. Bubbles on the surface of the water <monitor>
Eucha Lake	11/14/00	3		7.5	93	9				1	We are at a sight that is not open to the public. There are many muscle shells on the bank and in the water.
Eucha Lake	12/12/00	3		7.25	93	11.3				1	A little plant was growing on the water
Eucha Lake	02/13/01	3		8	93	11.35				2	trashy and water is high
Eucha Lake	03/13/01	3		8		10.6				2	
Eucha Lake	05/11/01	3		8.5						1	

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Eucha Lake	06/16/01	3		7.75						4	weeds along the shoreline in the water. This is the first time this year they've been there. Usually they are underwater & dormant or dead (whatever weeds do). (AV)
Eucha Lake	11/15/01	3		7.25		9.45	0.17	0.02	0	1	damaged boat dock stack of debris <monitor>
Eucha Lake	11/30/00	4		7	98	6.25				2	Most of creek was dry except where the spring came out but there was movement of water.
Eucha Lake	11/30/00	4		6.75	98	5.6				2	There was a lot of trash, speaker in water. Area about 20 by 5 stream there was water movement though. The water was from an underground stream.
Eucha Lake	11/30/00	4				6.45				2	most of the creek was dry except where a spring was coming out.
Eucha Lake	01/23/01	4		7		8.9				1	more water than last time
Eucha Lake	11/13/00	5	35	8.5	30	11.9				4	Lots of algae in the water.
Eucha Lake	11/30/00	5	35	8.5	30	11.9				4	Lots of algae in the water
Eucha Lake	01/23/01	5		6.75		11.7					
Eucha Lake	11/30/00	6		7.75	93	10				1	Area was clean, water source comes from running stream.
Eucha Lake	11/30/00	6		8.25						1	No noticeable trash.
Eucha Lake	01/23/01	6		7.5		11.25				1	
Grand Lake	01/27/94	3	100	8.50	96	12.10	0.20	0.50	0.30		
Grand Lake	01/27/94	3		8.50			0.20	1.50	1.00		
Grand Lake	03/04/94	3	25	7.50	94	11.60	0.20	1.00	0.60		
Grand Lake	03/04/94	3	21	7.50	94	11.40	0.20	1.00			
Grand Lake	03/04/94	3		7.50		10.6	0.2	2	1		

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Grand Lake	03/04/94	3		7.50		10.8					
Grand Lake	03/04/94	3		7.50		10.7	0.2	1	0.4		
Grand Lake	03/09/94	3		8.00	94		0	1.5	0.1		
Grand Lake	03/09/94	3		8.00	94		0	2	0.2		
Grand Lake	03/31/94	3	34	8.00	97	9.40	0.20	1.00	0.10		
Grand Lake	03/31/94	3		8.00		9.30	0.20	1.00	0.10		
Grand Lake	05/05/94	3	9	7.00	94	8.20	0.10	0.50	1.00		
Grand Lake	05/05/94	3		7.00		7.80	0.10	0.50	0.30		
Grand Lake	06/03/94	3	56	8.50	40	8.80	0.01	0.50	0.25		
Grand Lake	06/03/94	3		7.50		4.50	0.01	0.50	0.25		
Grand Lake	07/07/94	3	107	8.00	30	5.40	0.00	0.25	0.60		
Grand Lake	07/07/94	3		8.00		5.60	0.00	0.25	0.60		
Grand Lake	08/05/94	3	57	8.00	104	3.60	0.00	0.25	0.20		
Grand Lake	08/05/94	3		8.00		3.10	0.00	0.25	0.20		
Grand Lake	09/01/94	3	52	8.00	28	4.80	0.00	0.00	0.40		
Grand Lake	09/01/94	3		8.00		4.90	0.00	0.00	0.40		
Grand Lake	10/04/94	3	85	8.20	30	8.10	0.00	0.00	0.20		
Grand Lake	10/04/94	3		8.20		8.20	0.00	0.00	0.10		
Grand Lake	11/03/94	3	37	8.20	55	7.10	0.00	0.25	>1		
Grand Lake	11/03/94	3		8.20		7.20	0.00	0.25	>1		
Grand Lake	12/02/94	3	21	7.20	96	8.70	0.00	0.25	0.10		
Grand Lake	12/02/94	3		7.20		8.40	0.00	0.25	0.10		
Grand Lake	01/07/95	3	76	8.50	104	11.20	0.00	0.25	0.10		
Grand Lake	01/07/95	3		8.50		11.20	0.00	0.25	0.10		
Grand Lake	02/02/95	3	47	8.00	26	10.50	0.00	0.00	0.60		
Grand Lake	02/02/95	3		8.00		10.00	0.00	0.00	0.20		
Grand Lake	03/06/95	3	72	8.00	92	10.70	0.00	0.25	0.20		
Grand Lake	03/06/95	3		8.00		10.70	0.00	0.25	0.20		
Grand Lake	04/13/95	3	67	8.00	27	8.00	0.00	0.00	0.60		

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Grand Lake	04/13/95	3		8.00		7.80	0.00	0.00	0.60		
Grand Lake	06/02/95	3	23	7.50	55	6.70	0.00	0.00	1.00		
Grand Lake	06/02/95	3		7.50		4.3	0	0	1		
Grand Lake	07/06/95	3	27	7.50	104	5.4	0	1	0.4		
Grand Lake	07/06/95	3		7.50		4.7	0	0.5	0.3		
Grand Lake	08/04/95	3	92	8.00	30	4.6	0	0.25	0.8		
Grand Lake	08/04/95	3		8.00		4.1	0	0.25	0.8		
Grand Lake	01/04/96	3	79	7.50	27	11.80	0.00	0.25	0.10		
Grand Lake	01/04/96	3					0.00	0.25	0.10		
Grand Lake	03/02/96	3	87	8.50	27	11.50	0.00	0.25	0.00		
Grand Lake	03/02/96	3		8.50		11.50	0.00	0.25	0.00		
Grand Lake	05/02/96	3	20	8.00	96	8.00	0.00	0.10	10.00		
Grand Lake	05/02/96	3		8.00		7.10	0.00	0.25	0.60		
Grand Lake	06/01/96	3	46	8.00	28	6.10	0.00	0.25	0.01		
Grand Lake	06/01/96	3		8.00		6.10	0.00	0.25	0.01		
Grand Lake	07/06/96	3	68	7.50	14	5.70	0.20	0.25	0.80		
Grand Lake	07/06/96	3		7.50		4.60	0.20	0.25	0.40		
Grand Lake	08/05/96	3	57	8.00	13	5.70	0.00	0.25	0.70		
Grand Lake	08/05/96	3		8.00		4.85	0.00	0.25	0.25		
Grand Lake	09/05/96	3	62	7.50	13	3.00	0.00	0.25	0.40		
Grand Lake	09/05/96	3		7.50		2.70	0.00	0.25	0.20		
Grand Lake	10/05/96	3		8.00		7.00	0.00	0.25	0.60		
Grand Lake	10/05/96	3	32	8.00	13	6.70	0.00	0.25	0.60		
Grand Lake	12/06/96	3	18	7.50	104	10.80	0.00	0.25	0.10		
Grand Lake	12/06/96	3		7.50	7.5		0.00	0.25	0.10		
Grand Lake	02/06/97	3	85	8.50	17	14.20	0.00	0.25	0.00		
Grand Lake	02/06/97	3		8.50		13.90	0.00	0.25	0.20		
Grand Lake	04/07/97	3	46	8.00	17	9.80	0.20	0.00	0.20		
Grand Lake	04/07/97	3		8.00		9.80	0.20	0.00	0.20		

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Grand Lake	04/30/97	3	20	8.00	25	9.30	0.60	0.00	0.00		
Grand Lake	04/30/97	3		8.00		9.10	0.60	0.00	0.00		
Grand Lake	06/05/97	3	28	7.75	46	6.80		6.80	6.80		
Grand Lake	06/05/97	3		7.50		6.60	0.30	0.25	0.00		
Grand Lake	07/08/97	3	57	7.50	38	5.10	0.30	0.00	0.20		
Grand Lake	07/08/97	3		7.50		4.80	0.30	0.00	0.20		
Grand Lake	08/02/97	3	57	7.50	13	6.10	0.40	0.00	0.00		
Grand Lake	08/02/97	3		7.50		4.10	0.30	0.00	0.00		
Grand Lake	11/07/97	3	39	80.00	17	9.40	0.60	0.00	0.00		
Grand Lake	11/07/97	3		8.00		9.30	0.30	0.00	0.00		
Grand Lake	12/15/97	3	33	8.00	27	9.60	0.20	0.50	0.00		
Grand Lake	12/15/97	3		8.00		9.90	0.30	0.50	0.00		
Grand Lake	01/02/98	3	11	7.50	55	10.5	0.3	0.5	0		
Grand Lake	01/02/98	3		7.50		10.95	0.3	1	0		
Grand Lake	02/08/98	3	54	8.00	38	11.7	0.3	1	0		
Grand Lake	02/08/98	3		8.00		11.3	0.3	1	0		
Grand Lake	06/04/98	3	66	7.75							
Grand Lake	06/04/98	3		7.75		6.70	0.30	0.25	0.00		
Grand Lake	07/06/98	3	85	8.00	13	8.00	0.40	0.25	0.00		
Grand Lake	07/06/98	3		8.00		4.80	0.40	0.25	0.00		
Grand Lake	06/05/99	3	18	7.50	13	5.70					
Grand Lake	06/05/99	3		7.50		4.10					
Grand Lake	07/05/99	3	22	7.00	56	6.00					
Grand Lake	07/05/99	3		7.00		4.30					
Grand Lake	09/02/99	3	63	7.75	13	4.00					
Grand Lake	09/02/99	3		7.75		4.10					
Grand Lake	10/02/99	3	40	7.75	13	6.10					
Grand Lake	10/02/99	3		7.75		6.00					

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Grand Lake	07/17/99	11		7.25	93	7.2	0	0	0.4	0	
Grand Lake	04/26/01	11	40		91		0.6	0.2	0	0	See attached hydro data (LS)
Grand Lake	04/26/01	11	40		91		0.6	0.2	0	0	* See attached hydro data (LS)
Grand Lake	04/18/99	12	50	7.75	93	10.8				0	
Grand Lake	05/15/99	12		7.25	93	8.8				1	
Grand Lake	06/20/99	12		7	56	7.9				0	high flow, within bank
Grand Lake	08/22/99	12		7.5	93	7	0	0	0.15	0	
Grand Lake	09/19/99	12		7.5	93	8	0	0.25	0.4	0	
Grand Lake	11/21/99	12		7.5	93	8.9				0	
Grand Lake	12/18/99	12		7.25		10.95	0	0	0	0	0
Grand Lake	01/17/00	12		7.5	93	10	0	0	0	0	
Grand Lake	09/10/99	16	65	8.25	103	4.9				0	Advance test not taken
Grand Lake	10/05/99	16	48	8.25	100	7.15				0	
Grand Lake	11/11/99	16	75	8.5	87	9.8	0.04	2	0	0	New kit was very good. Good job Cliff
Grand Lake	12/09/99	16	35	8.25	33	8.8				0	
Grand Lake	02/10/00	16	75	8.25	83	14.8				1	New kits are nice, The new bottles are fine and no trouble at all to open.
Grand Lake	03/09/00	16	45	8.5	65	8.5	0.1	0.5	0	0	
Grand Lake	04/13/00	16	45	8	100	8.45	0.4	0	0	0	
Grand Lake	05/11/00	16	26	8	59	6.1	0.5	0	0	0	
Grand Lake	06/08/00	16	55	7	59	8.9	0.17	0.1	0	0	
Grand Lake	07/15/00	16	75	7.5	51	5.8	0.06			0	Tilbrator nozzle is chipped, needs replacement
Grand Lake	08/11/00	16	63		13		0.14	0	0	0	See attached paper for hydrolab
Grand Lake	08/11/00	16					0.4	0	0	0	See attached paper for hydrolab data
Grand Lake	09/14/00	16	58	8	91	3.75	0.6	0	0	0	Water temp,pH, and DO taken from hydrolab
Grand Lake	10/13/00	16	50	7.5	25	6.1	0.4	0	0	0	
Grand Lake	11/09/00	16	25	8.25	26	8.1	0.18	0	0	0	Precip on "today" is snow.

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Grand Lake	04/26/01	16	40	8.76	91		6	0.2	0	0	*Taken from hydrolab (LS)
Grand Lake	05/24/01	16	55	8.14	93	6.9	0.5	0.2	0	0	Monitor took data from Hydro data Hydrolab GLA-1 Conductivity is 351 ORP is 335 <LS>
Grand Lake	06/28/01	16	60	8.11	97	8.26	0.3	0.1	0	0	ORP 363 taken form hydro data GLA-i <monitor>
Grand Lake	07/26/01	16	75	8.64	25	8.24	0.2	0	0	0	water temp & PH taken from hydrolab. ORP 329 Cond 229 <LS>
Grand Lake	09/12/99	18	140	7.75	27	5.45				1	
Grand Lake	10/11/99	18	120	7.75	37	8.1				1	
Grand Lake	11/04/99	18	90	7.75	25	7.5	0.5	0.1	0	2	This was a training session using the new hach kits. Water tested was taken from site 18. Don shows a good understanding of the procedure. Cliff Younger
Grand Lake	12/10/99	18	80	7.75		8.6	0	0.18	0	1	
Grand Lake	01/12/00	18	90	7.75	38	9.15	0	0.3	0	1	
Grand Lake	02/11/00	18	90	7.75	38	10.25	0	0.22	0	1	0
Grand Lake	03/12/00	18	80	7.75	37	10.3	0.12	0.35	0	1	
Grand Lake	04/12/00	18	85	7.75	38	9.2	0	0.36	0	1	
Grand Lake	05/10/00	18	100	7.75	48	8.55	0.1	0.2	0	2	
Grand Lake	06/16/00	18	120	7.75	38	8.4	0	0	0	1	

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Grand Lake	07/11/00	18	110	7.75	37	7.9	0.1	0	0	1	
Grand Lake	08/12/00	18	80	7.75	37	6.8	0.14	0	0	1	
Grand Lake	09/13/00	18	110	7.75	38	5.3	0	0	0	1	DO results questionable, sample turned clear when starch was added, no additional sodium thiosulfate was needed.
Grand Lake	10/10/00	18	100	7.75	38	7.1	0.16	0.015	0	1	
Grand Lake	11/13/00	18	70	7.75	48	8.3	0.8	0.08	0	1	
Grand Lake	01/10/01	18	150	7.75	25	11.7	10	0.7	0	0	cove wa frozen. Broke hole in ice to take sample
Grand Lake	02/16/01	18	60	7.75	48	10	0	0.3	0	1	
Grand Lake	03/14/01	18	20	7.75	55	8.5	0.5	0.5	0	0	"water is muddiest that I have ever recorded"
Grand Lake	04/07/01	18	30	7.75	56	8.15	0.4	0.6	0	1	
Grand Lake	05/11/01	18	70	7.75	56	8.5	0.2	0.5	0	1	
Grand Lake	07/11/01	18	80	7.75	37	9.8	0.1	0	0	1	
Grand Lake	08/08/01	18	90	7.75	37	5.5	0.1	0	0	1	
Grand Lake	09/10/01	18	120	7.75	37	4.8	0.2	0	0	1	
Grand Lake	07/11/94	22	36	8.50	41	9.8					
Grand Lake	07/16/94	22	55	8.00	43	8.05					
Grand Lake	09/17/94	22	16	8.00	20	7.50					
Grand Lake	10/08/94	22	15	8.50	101	6.70					
Grand Lake	10/08/94	22	15	8.50	101	6.7					
Grand Lake	11/11/94	22	10	7.50	61	7.70	0.00	0.25	0.30		
Grand Lake	12/10/94	22	7	8.50	10	9.7	0.4	1	0.1		
Grand Lake	01/13/95	22	11	8.00	142	11.95	0	2	0.2		
Grand Lake	02/11/95	22		8.00	33	11.30	0.4	2	0.1		
Grand Lake	03/11/95	22	6	6.50	94	10.60	0.6	2	1		
Grand Lake	04/08/95	22	9	8.50	6	10.00	0	1	0.3		

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Grand Lake	05/13/95	22	31	7.50	54	6.40	0.2	1	0.6		
Grand Lake	06/10/95	22	12	7.50	61	6	0.6	0.5	1		
Grand Lake	08/12/95	22	5	9.00	30	7.8	0	1	0.4		
Grand Lake	09/10/95	22	3	8.00	3	5.9	0.2	0.5	0.1		
Grand Lake	11/10/95	22	73	8.50	94	8.7	0.5	0.25	0.1		
Grand Lake	12/09/95	22	54	7.75	33	11.75	0	0.25	0		
Grand Lake	04/16/96	22	43	8.75	33	10.06	0.40	0.25	0.10		
Grand Lake	05/06/96	22	123	7.70	23	12.40	0.00	0.25	0.00		
Grand Lake	05/07/96	22	65	8.50	33	12.00	0.60	0.25	0.10		
Grand Lake	05/09/96	22	80	8.50	22	12.70	1.00	0.50	0.10		
Grand Lake	05/11/96	22	27	7.50	48	5.20	0.20	0.25	0.30		
Grand Lake	06/08/96	22	28	8.75	33	7.90	0.40	2.00	0.10		
Grand Lake	07/13/96	22	39	6.75	31	4.50	0.60	0.50	0.30		
Grand Lake	08/10/96	22	39	8.00	31	5.30	0.60	0.25	0.35		
Grand Lake	09/14/96	22	26	8.00	33	5.20	0.50	0.30	0.35		
Grand Lake	10/11/96	22	36	7.75	33	8.45	0.00	3.00	0.10		
Grand Lake	11/10/96	22	20	7.00	55	9.50	1.25	1.00	0.10		
Grand Lake	12/14/96	22	71	7.50	33	9.70	0.50	3.00	0.30		
Grand Lake	02/08/97	22	64	8.25	5	11.90	0.40	3.00	0.10		
Grand Lake	03/08/97	22	43	7.75	28	9.90	0.10	3.00	0.30		
Grand Lake	04/12/97	22	42	7.75	30	9.55	0.00	3.00	0.20		
Grand Lake	09/30/99	22	50	8.00	27						
Grand Lake	09/30/99	22	50	8	27					0	Titration did work, site was unavailable
Grand Lake	12/27/99	22		7.75	28	10.20					
Grand Lake	12/27/99	22		7.75	28	10.2				0	Did not have enough sample water to do high-range nitrate & phosphate testing.
Grand Lake	01/25/00	22	25	8.25	28	10.30	0.44	0.20	0.00		
Grand Lake	01/25/00	22	25	8.25	28	10.3	0.44	0.2	0	0	
Grand Lake	02/25/00	22	9	7.75	104	8.00	0.50	0.70	0.00		

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Grand Lake	02/25/00	22	9	7.75	104	8	0.5	0.7	0	0	Rainy
Grand Lake	03/27/00	22	41	7.75	30	7.70	0.20	0.50	0.00		
Grand Lake	03/27/00	22	41	7.75	30	7.7	0.2	0.5	0	0	
Grand Lake	04/25/00	22	50	8.50	43	8.95	0.00	0.00	0.00		
Grand Lake	04/25/00	22	50	8.5	43	8.95	0	0	0	0	Crappie hot biting, birds are swarming, water is dirty
Grand Lake	05/25/00	22	4	8.50	3	8.60	0.20	0.60	0.00		
											30 baby ducks found dead around time oily foam came down river from North, two days prior to site test.
Grand Lake	05/25/00	22	4	8.5	3	8.6	0.2	0.6	0	0	Note: This was reported to the monitor, she did not observe the dead ducks: C.Y.
Grand Lake	06/23/00	22	10	7.00	56	5.30	0.54	0.00	0.00		
Grand Lake	06/23/00	22	10	7	56	5.3	0.54	0	0	0	River up from heavy rains
Grand Lake	07/25/00	22	10	7.25	55	5.90	0.30	0.40	0.00		
Grand Lake	07/25/00	22	10	7.25	55	5.9	0.3	0.4	0	0	Dirty, about 9ft deep at test site today
Grand Lake	08/24/00	22	10		30	8.50	0.00	0.08	0.00		
Grand Lake	08/24/00	22	10		30	8.5	0	0.08	0	0	Forgot pH
Grand Lake	09/25/00	22	10	7.75	96	5.50	0.10	0.08	0.40		
Grand Lake	09/25/00	22	10	7.75	96	5.5	0.1	0.08	0.4	0	
Grand Lake	10/25/00	22	18	7.50	29	6.00	0.60	0.60	0.00		
Grand Lake	10/25/00	22	18	7.5	29	6	0.6	0.6	0	0	
Grand Lake	11/27/00	22	10	7.75	28	9.90	0.50	0.70	0.00		
											stuff floating, raw sewage
Grand Lake	11/27/00	22	10	7.75	28	9.9	0.5	0.7	0	0	*this was not documented, this is monitor's observation---CM

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Grand Lake	01/26/01	22	7	7.25	28	12.10	0.50	0.80	0.00		
Grand Lake	01/26/01	22	7	7.25	28	12.1	0.5	0.8	0	0	
Grand Lake	03/27/01	22	3	7.75	26	8.90	0.00	0.80	0.00		
Grand Lake	03/27/01	22	3	7.75	26	8.9	0	0.8	0	0	lost of ducks and seagulls
Grand Lake	04/25/01	22		7.75	96	7.00	0.46	0.70	0.00		
Grand Lake	04/25/01	22		7.75	96	7	0.46	0.7	0	0	Dock is completely gone. Sample was taken about 50 ft south of original site. We are now going out on an old concrete dock there. (JG)
Grand Lake	05/24/01	22		7.25	96	4.00	0.00	0.60	0.40		
Grand Lake	05/24/01	22		7.25	96	4	0	0.6	0.4	0	
Grand Lake	06/11/01	22		7.75							
Grand Lake	06/11/01	22		7.75						0	delivered 3 samples to state health department. Lab in tulsa. 1 each for E-coli, fecal and strep
Grand Lake	06/26/01	22		7.75	94	9.40	0.40	0.15	0.00		F-120, E-130, S-140 <JG>
Grand Lake	06/26/01	22		7.75	94	9.4	0.4	0.15	0	1	
Grand Lake	08/27/01	22	38	7.75	30	5.90	0.30	0.00	0.00		
Grand Lake	08/27/01	22	38	7.75	30	5.9	0.3	0	0	0	white scattered foam got verbal permission from new owner of dock (Phyllis & Gordon) to do test there <monitor>
Grand Lake	12/27/99	23		7.75	14	10.5				0	Did not have enough sample water to do phosphate and nitrate tests . Will take extra bottle next time.
Grand Lake	01/25/00	23		8.25	28	10.2	0.4	0.35	0	0	
Grand Lake	02/25/00	23		8.25	120	8	0.65	0	0	0	rainy
Grand Lake	03/27/00	23		7.75	94	7.3	0.4	0.5	0	0	
Grand Lake	04/25/00	23		8	30	6.3	0	0	0	0	1 very sick turtle
Grand Lake	05/25/00	23		8.5	28	7.1	0.1	0	0	0	

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Grand Lake	06/23/00	23		7.5	55	4.1	0.12	0.3	0	0	River up from heavy rains
Grand Lake	07/25/00	23		7.25	55	4.4	0.24	0.14	0	0	Really dirty, scum floating on 1/2 of river
Grand Lake	08/24/00	23		8.25	30	9.3	0	0	0	0	
Grand Lake	09/25/00	23		7.75	96	1.9	0.3	0.1	0.2	0	
Grand Lake	10/25/00	23			29	6.4	0.5	0.5	0.2	0	forgot pH
Grand Lake	11/27/00	23		7.75	31	7.8	0	0.9	0	0	
Grand Lake	01/26/01	23		7.75	28	11.3	0.2	0.7	0	0	in about a 300 ft span of shoralmi 71 fish (Drum) were found dead and one very sick Water moccasin was on rocks near bridge, spoke w/ park ranger who said it was a natural occurance. As long as he can remember, it happens when river ices over.
Grand Lake	02/27/01	23		7.5	29	9.8	0.1	1	0	0	
Grand Lake	02/27/01	23		7.5	29	9	0	0.3	0.2	0	River up due to heavy rains up north
Grand Lake	03/27/01	23		7.75	94	9.2	0.3	1	0	0	lots of sediment mixing
Grand Lake	04/25/01	23		7.75	101	7	0.08	0.4	0	0	
Grand Lake	05/24/01	23		7.25	101	5.5	0.5	0.2	0.1	0	
Grand Lake	06/11/01	23		7.75	101	5.3	0.5	0.5	0	0	delivered 3 samples to state health dept. lab in tulsa. 1 each for E-coli, fecal and strep. F-150, E-210, S-440 <KW>
Grand Lake	06/26/01	23		7	55	5.1	0	0.2	0	1	fish sited <KW>
Grand Lake	08/27/01	23		7.5	30	2.75	0.24	0	0	0	monitor scratched off comments on data sheet <KRC>
Grand Lake	09/15/99	24		7.5	33	7.8				2	Very clear
Grand Lake	11/15/99	24		7.75	93	9				0	Saw no aquatic life
Grand Lake	02/15/00	24		7.75	30	10.1	0	0.8	0	0	No aquatic life sited
Grand Lake	03/15/00	24		8.25	14	9.8	0	0.6	0	0	No aquatic life sited, water was up.
Grand Lake	04/17/00	24		7.75	26	9.65	0	0.94	0	0	
Grand Lake	05/15/00	24		7.75	6	8.5	0	0.4	0	0	Water over bridge
Grand Lake	06/15/00	24		7.75	30	8.5	0.6	0.9	0	0	Water is not as clear as at the down stream site

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Grand Lake	11/15/00	24		7.75	29	10.2	0.2	1	0	0	
Grand Lake	01/16/01	24		7.75	31	11.6	0.2	0.6	0	0	Fairly clear. Little white particles flowing in from Little Lost Creek. Fishy smell. Large amounts of diesel and oil are upstream (about 6 miles) from train accident in Racine, MO
Grand Lake	02/15/01	24		7.75	14	9.5	0.1	0.9	0	1	
Grand Lake	03/16/01	24			112	9.7				0	did not get sample water in plastic bottles for advanced parameter
Grand Lake	04/16/01	24		7.75	33	9.8	0.1	0.9	0	0	saw dead fish (carp maybe??) took 1 hour off for lunch and other duties <monitor>
Grand Lake	05/14/01	24		7.75	30	8.8	0.2	0.8	0	3	lost of moss on top of water. Lots of lieves mennows <KW>
Grand Lake	06/11/01	24		7.75						0	3 samples taken to state health dept. lab in tulsa. 1 each for E-coli, fecal and strep. F-230, E-240, S-300 <monitor>
Grand Lake	06/14/01	24		7.75	31	7	0	0.8	0	2	water was very clear, children were swimming across the stream <monitor>
Grand Lake	08/15/01	24		7.75	31	7.3	0	0	0	2	saw a turtle <monitor>
Grand Lake	09/14/01	24		7.75	26	6.6	0.2	0.2	0	1	rock dredged & cleaned out saw letter to Eastern Shawnee from US Corps of Engineers stating no permit was needed as it was done to allow flow to continue near bridge <monitor>
Grand Lake	04/14/99	27	102	7.5	16	8.8				0	overcast light rain
Grand Lake	09/04/99	27	80	8	20	5.5				0	Slight Haze
Grand Lake	10/02/99	27	67	8	30	8.5				0	
Grand Lake	11/06/99	27	114	8	11	8.9				0	

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Grand Lake	08/14/99	28	73	7.75	33	7.8				1	Lake level 742.79 steady to falling slightly
Grand Lake	09/14/99	28	115	7.5	30	6.7				1	Lake level 741.14 and steady
Grand Lake	10/14/99	28	145	7.75	30	8.8				1	Lake level 741.26 and steady, forgot to add on sept 14 report that several pieces of feces were floating by, I hadn't swam in Drowning Creek this summer. The boats keep the water churned and turbid and apparently empty their bottles overboard. GRDA should make all marinas have dump stations, If the marina's can't afford it, close the marina. Oct 14, 1999 the water was fairly clear today, no boats.
Grand Lake	01/14/00	28	101	7.5	30	9				1	
Grand Lake	03/14/00	28	100	7.75	3	11.9				1	Lake level 742.61 and steady
Grand Lake	04/14/00	28	115	7.75	30	11.45				1	Lake level fairly steady at 741.87 (fell .26 in last two weeks).
Grand Lake	05/13/00	28	103	7.75	30	9.9				1	lake was rising and crested at 746.89 on 5-12-00
Grand Lake	08/15/00	28	85	8	30	8.45				1	Lake level steady---741.60
Grand Lake	09/14/00	28	130	7.75	30	6.95				1	Lake level 740.72 and steady
Grand Lake	10/17/00	28	138	7.75	30	7.7				1	Lake level 740.56 and steady
Grand Lake	09/02/99	3	63	7.75	13	4				0	
Grand Lake	09/02/99	3		7.75		4.1				0	
Grand Lake	10/02/99	3	40	7.75	13	6.1				0	
Grand Lake	10/02/99	3		7.75		6				0	
Grand Lake	11/04/99	3	39	8	48	8.45	0.2	0.1	0	0	This is the first nutrient test using the new hach kit
Grand Lake	01/06/00	3	26	7.75	48	10.2	0	0.2	0	0	
Grand Lake	02/04/00	3	66	7.75	48	11	0.14	0.8	0	0	
Grand Lake	03/06/00	3	15	7.75	48	7.6		0.034	0.2	0	
Grand Lake	06/06/00	3	55	7.75	25	6.35	0.14	0.24	0	0	
Grand Lake	07/08/00	3	56	7.75	13	6.8	0.3	0.1	0	0	0

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Grand Lake	08/02/00	3	57	8.69	25		0	0	0	0	*water temp, pH, DO, and conductivity taken with hydrolab.
Grand Lake	09/02/00	3	77	7.5	13	3.8	0.2	0.04	0	0	Lake is very low
Grand Lake	12/02/00	3	53	7.12	97	12.28	0.2	0.3	0	0	some readings taken with a freshly calibrated Hydrolab Quanta that has been loaned to us for our evaluation.
Grand Lake	05/07/01	3	41	7.75	13	6.8	0.22	0.56	0	0	
Grand Lake	07/04/01	3	52	8.33	13	7.09	0.24	0.009	0	0	Conductivity and Orp taken w/ hydrolab #GLA1 calibrated 06/16/01 <CY>
Grand Lake	09/05/01	3	75	8.49	25		0.24	0	0	0	* SPC 0.273 * ORP 320 MV * reading taken w/ hydrolab GLA-2 calibration 08/15/01 <Monitor>
Grand Lake	09/10/99	30	14	8	20	6.4				1	
Grand Lake	10/13/99	30	12	8	20	7.4				0	
Grand Lake	01/13/00	30	10	8	30	9.2				0	
Grand Lake	02/06/00	30	12	8	28	11.4				0	Highest DO test I've ever done. Leaves, (styrofoam) on water.
Grand Lake	03/07/00	30	14	8	28	10				0	Unable to test last month. Testing a few days early this month to take advantage of weather.
Grand Lake	04/18/00	30	15	7.75	14	8.9				0	Actually it has more blue in it, much like bcs 6, but not as dark
Grand Lake	08/10/00	30	10	8	30	7.1				0	
Grand Lake	10/10/00	30	10	7.5	14	5.6				0	
Grand Lake	12/07/00	30	10	7.25	28	8.5				0	
Grand Lake	04/10/01	30	6	7.5	33	8.2				0	Lake color very muddy looking (CB)

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Grand Lake	06/27/01	30	13	8	20	8.3				0	
Grand Lake	07/10/01	30	12	8	20	8.2				0	
Grand Lake	08/10/01	30	12	8	20	6.2				0	
Grand Lake	09/26/01	30	12	8	20	5.4				0	
Grand Lake	09/16/99	32	42	7.75	6	7.1				0	
Grand Lake	11/18/99	32	36	7.75	33	8.5				0	
Grand Lake	12/16/99	32	23	7.25	33	9				0	
Grand Lake	01/20/00	32	28	7.25	33	10.2				0	
Grand Lake	02/16/00	32	41	7.5	33	10.2				0	
Grand Lake	03/16/00	32	30	7.75	3	8.9	0.04	0.5	0.1	0	
Grand Lake	05/18/00	32	30	7.75	29	5.2	0.1	0.3	0	0	
Grand Lake	06/15/00	32	50	7.75	30	7.5	0	2	0	0	
Grand Lake	07/20/00	32	25	7.75	3	5.3	0.5	0.05	0	0	
Grand Lake	09/21/00	32	30	7.5	30	5.9	0.9	0	0	0	
Grand Lake	10/19/00	32	33	7.75	3	8.6	0.3	0	0	0	
Grand Lake	11/16/00	32	41	7.5	6		0.6	0.1	0	0	the do test did not work
Grand Lake	01/17/01	32	98	7.75	33	13.2	0.2	0.1	0	0	
Grand Lake	02/15/01	32	22	7.25	101	10.3	0.8	0.6	0.2	0	
Grand Lake	03/15/01	32	15	7.25	29	8.7	1	0.7	0.1	0	
Grand Lake	05/17/01	32	67	7.75	33	8.5	0.3	0.7	0	0	
Grand Lake	06/20/01	32	43	7.5	6	4.6	0.45	0	0	0	
Grand Lake	07/19/01	32	60	7.75	33	6.5	0.6	0	0	0	
Grand Lake	08/16/01	32	53	7.5	33	3.5	0.44	0	0	0	
Grand Lake	09/20/01	32	32	7.5	6	5.6	0	0	0	0	
Grand Lake	09/07/99	34	80		32	5.5				0	
Grand Lake	08/18/99	37	100	8	31	6.9				0	
Grand Lake	08/18/99	37		8		6.7				0	
Grand Lake	06/10/00	39	14	8	20	7.2				0	Began to sprinkle as I was finishing the test.
Grand Lake	12/03/99	3A	32	7.75	39	8.3	0	0	0	0	

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Grand Lake	09/08/99	41	68	8.25	30	5.7				0	
Grand Lake	10/13/99	41	73	8.5	31	10.8				0	
Grand Lake	11/10/99	41	79	8.25	28	10				0	
Grand Lake	12/08/99	41	47	8.25	33	9.4				0	0
Grand Lake	01/12/00	41	50	8	31	10.4				0	
Grand Lake	02/09/00	41	62	8	35	10.8				0	No safety glasses or ruber gloves in kit
Grand Lake	03/08/00	41	38	8	31	8.4				0	
Grand Lake	04/12/00	41	31	8	103	9.7				0	
Grand Lake	05/10/00	41	53	8.25	35	9.6	0.28	0.05	0.1	0	
Grand Lake	06/14/00	41	50	8.25	25	6.85	0.12	0.25	0.1	0	
Grand Lake	07/12/00	41	85	8.75	34	8.3	0.1	0.15	0.1	0	
Grand Lake	08/09/00	41	56	8.25	34	8.4	0.02	0.25	0.05	0	
Grand Lake	09/13/00	41	58	8.25	31	7.4	0.2	0.1	0.05	0	
Grand Lake	10/11/00	41	71	8.25	35	8	0.16	0.08	0.1	0	
Grand Lake	11/07/00	41	50	7.25	30	8.5	0.3	0.1	0	0	
Grand Lake	02/14/01	41	28	7.25	94	9.9				0	
Grand Lake	03/15/01	41	16	7.25	43	9.6	0.08	0.6	0.1	0	
Grand Lake	04/11/01	41	21	7.5	100	8.2	0.38	0.68	0.05	0	
Grand Lake	05/09/01	41	43	8	59	7.5	0.14	0.4	0.1	0	
Grand Lake	06/13/01	41	47	8	100	7.6	0.16	0.1	0.1	0	
Grand Lake	07/11/01	41	67	8	103		0.14	0.05	0	0	
Grand Lake	08/08/01	41	74	7.75	100	6.85	0.14	0.05	0.05	0	
Grand Lake	09/11/01	41	41	8	31	8.7	0.16	0	0.05	0	
Grand Lake	09/08/99	43	125	8.5	30	5.75				0	
Grand Lake	10/13/99	43	110	8.5	31	8.2				1	
Grand Lake	11/10/99	43	142	8.5	30	7.2				0	I am retiring form water testing. A Bob Bellatti who lives in the cove will take my place. His phone number is 918-782-9686
Grand Lake	09/15/99	50		7.5	6	7.6				1	

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Grand Lake	11/15/99	50		7.75	28	8.1				1	Saw 1 minnow
Grand Lake	12/15/99	50		8.25	5	9.65	0.58	0.98		0	spotted 1 striped fish
Grand Lake	01/14/00	50		7.75	25	10.45	1.3	0.6	0	0	
Grand Lake	02/15/00	50		7.75	30	10.05	0.34	0.9	0	0	
Grand Lake	03/15/00	50		7.75	5	9.7	0.2	0.95	0	0	
Grand Lake	04/17/00	50		8.25	12	8.5	0	0.7	0	0	
Grand Lake	05/15/00	50		7.5	11	8.4	0.3	1		0	
Grand Lake	06/15/00	50		7.25	27	7.35	0.32	0.4	0	1	White foam on top of water
											no aquatic life sited
Grand Lake	07/17/00	50		7.5	30	6.6	4	0	0	0	total sample time includes lunch and other unrelated activities
Grand Lake	08/15/00	50		7.75	11	69	0.3	0.95	0	1	
Grand Lake	09/15/00	50		7.75	23	5.6	0.36	0.8	0	0	DO was very inconsistant, minnows sited
Grand Lake	10/17/00	50		7.75	27	7.25	0.4	0.7	0	0	
Grand Lake	11/15/00	50		7	31	10.1	0.4	0.92	0	0	very clear
Grand Lake	01/16/01	50		7.5	33	11.5	0.2	0.5	0	0	Lots of foam collecting near far shore, yellowish in color. Picture in file.
Grand Lake	03/16/01	50		7.75	31	9.8	0.1	0.9	0	0	lots of foamy effluent coming in creek from run-off open manhole at Seneca Wastewater Treatment Plant.
Grand Lake	06/11/01	50		7		6.1				0	visable amount of foam. Delivered 3 samples to state health dept. lab in tula. 1 each for E-coli, fecal and strep. F-210, E-240 and s-280 <monitor>
Grand Lake	06/14/01	50		7.5	33	6.4	0.7	0.8	0	0	foan coming down creek
											saw minnows
Grand Lake	08/15/01	50		7.75	33	6.05	0.5	0.3	0	0	note: name change of monitor from julie Gerard to Julie Donnelly <monitor>
Grand Lake	09/14/01	50		7.75	31	6.25	0.6	0.2	0	0	

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Grand Lake	07/18/99	6		6	12	7.8					The gravel bottom is covered with scum
Grand Lake	09/30/99	6		7.75	33	5.85				0	Water to low to take Secchi disk Measurement
Grand Lake	11/05/99	6	39	7.75	33	7.7				0	Kit #13 titrator needs to be replaced----plunger to loose.
Grand Lake	08/02/00	6	53	8.75	38	8.35	0.07	0.02	0.23	0	
Grand Lake	11/05/99	60	6	8	55	7				0	River contained quite a bit of wood debris
Grand Lake	01/07/00	60	26	8	101	11.85	13	0.12	0	0	
Grand Lake	03/03/00	60		7.75	101	8.9	0	0.3	0	0	Water flowing to fast to do Secchi Disk.
Grand Lake	05/05/00	60	20	8.25	94	6.85	0.2	0	0	0	
Grand Lake	08/04/00	60	45	7.75	27	7.25	0.1	0	0	0	
Grand Lake	10/06/00	60	38	7.75	25	5.9	0.18	0	0	0	
Grand Lake	08/05/99	61		7.75		6.75				0	Water too shallow to perform Secchi and color
Grand Lake	09/01/99	61		7.75		8.6				0	Water too shallow to perform Secchi and color
Grand Lake	10/08/99	61		7.75		9.8				0	water too shallow to perform Secchi and color
Grand Lake	10/08/99	61		7.75		9.8				0	Water to shallow to perform
Grand Lake	02/04/00	61		7.75		12.25				0	Water too shallow to perform Secchi and color
Grand Lake	03/05/00	61		7.75		10.2	0.1	0.3	0.2	0	Water was too shallow to perform Secchi and color
Grand Lake	06/08/00	62	65	7	6.2	9.1	0.16	0.1		0	
Grand Lake	06/08/00	62		7.5		2.55	0.2	0	0	0	
Grand Lake	10/04/99	71		7.5	32	8.3					Very clear, no fish sited only a couple of little frogs
Grand Lake	11/03/99	71		7.75	27	9.3				0	no aquatic life sited, no advance parameter testing per OWRB
Grand Lake	12/01/99	71		7.75	93	9	0	0.9	0	0	water was very clear no life sited
Grand Lake	01/03/00	71		7.75	28	9.4		1.8	0	0	Sighted 1 frog 1 crawdad. We did not have enough sample water for phosphorus test
Grand Lake	02/01/00	71		8.25	29	11.2	0.2	0.7	0	0	no aquatic life sited
Grand Lake	03/01/00	71		7.75	25	9.8	0	1	0	0	No sample water for phosphate test.
Grand Lake	04/03/00	71		7.25	31	9.9	0.06	0	0	0	Aquatic life sited

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Grand Lake	03/16/01	71		7.25	29	10	0.12	0.7	0	0	
Grand Lake	04/30/01	71		7.75	26	0.14	0.7	0		1	water was low, lots of minnows, low flow from wwtp, no foam <monitor>
Grand Lake	11/24/99	72			104					1	lots of minnows thermometer had a problem, site not available water was too low
Grand Lake	01/25/00	72		8.5	91	11.5	0.16	0.65	0	0	
Grand Lake	02/28/00	72		7.75	27	9.9	0.26	0.4	0	0	Site unavailable on normal test date 2/25/00 due to heavy rain.
Grand Lake	03/27/00	72		8.5	26	9.8	0.48	0.2	0	0	
Grand Lake	04/25/00	72		8.5	34	8.52	0.26	0.4	0	0	aquatic life sited
Grand Lake	05/25/00	72		8	29	6.75	0.3	0.8	0	0	
Grand Lake	06/23/00	72		7	56	4.6	0.3	0	0	0	minnows
Grand Lake	07/25/00	72		7.25	55	3.3	0.2	0.2	0	0	
Grand Lake	04/25/01	72		7.5	94	6.9	0.46	0.1	0	0	
Grand Lake	05/05/01	72		7.75	96	8.4	0.5	0.3	0	0	
Grand Lake	06/26/01	72		7.5	30	9.45	0.4	0	0	0	
Grand Lake	08/28/01	72		7.75	43	5.4	0.7	0	0	0	lots of insects <monitor>
Grand Lake	11/24/99	73		7.75	25	8.1	0	0.9	0		Fish sited
Grand Lake	11/29/99	73		7.75	25	8.1	0	0.9	0	1	Saw 1 striped fish
Grand Lake	01/27/00	73		7.75	142	10.7	0.08	0.7	0	0	
Grand Lake	02/28/00	73		7.75	11	10.3	0	0.8	0	0	
Grand Lake	03/28/00	73		8.25	14	10.6	0.16	0.8	0	1	No aquatic life sited.
Grand Lake	04/27/00	73		8.25	30	9.3	0	0.9	0.2	0	
Grand Lake	05/30/00	73		7.5		8.75	0.1	0.8		0	One minnow sited, report of being stocked with 10,00 trout
Grand Lake	06/27/00	73		7.5	11	8.25	0.14	0.8	0	0	
Grand Lake	07/26/00	73		7.25	14	8.3	0.1	0.9	0	0	6 trout sited
Grand Lake	08/28/00	73		7.25	33	5.5	0	0.92	0	0	Water not as clear as usual. No aquatic life sited
Grand Lake	09/28/00	73		7.75	30	7.9	0.1	0.9	0	0	No aquatic life

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Grand Lake	11/27/00	73		7.5	31	9.5	0	3	0	0	baby trout sited
Grand Lake	03/27/01	73		7.75	31	12.7	0	0.7	0	0	minnow sited
Grand Lake	04/30/01	73		7.75	31	9.3	0.1	0.7	0	0	
Grand Lake	05/25/01	73		7.75	33	710.2	0	0.4	0	0	lots of minnows / wants bac-t test owner says trout did great but have all been fished out and F&W won't let him restock until determine how they interact w/ brown bass <JG>
Grand Lake	06/11/01	73		7.5		7.2				0	delivered 3 samples to state health dpt. 1 each for E-coli, fecal and strep. F-160, E-180, and S-210 <monitor>
Grand Lake	06/27/01	73		7.5	30	8.4	0.2	0.6	0	0	took GPS reading at the site. No fish sited <monitor>
Grand Lake	08/28/01	73		7.25	30	6	0	0	0	0	sited live trout <monitor>
Grand Lake	09/27/01	73		7.25	43	6	0.1	0.7	0	0	amounts of algae visible on rocks in water of shore line <monitor>
Grand Lake	10/04/99	74		7.5	11	8.6				0	
Grand Lake	11/03/99	74		7.75	30	8.9				0	no aquatic life sited, water 20 ft below dock, no advance parameter testing per OWRB
Grand Lake	01/03/00	74		7.75	27	8.85	8	0	0	0	No aquatic life sighted
Grand Lake	03/01/00	74		7.75	11	9.15	0.26	1	0	0	No aquatic life sited. Beautiful day! Water too low for Secchi disk, we could see disk on bottom of creek.
Grand Lake	04/03/00	74		7.75	33	8.9	0.24	0.9	0	0	Too shallow for Secchi disk
Grand Lake	05/01/00	74	10	7.75	33	6.4	0.4	0.6	0	0	Minnow sited; water up from rain last night
Grand Lake	06/01/00	74	10	8.25	11	5.5	0.24	0.6	0	0	
Grand Lake	08/03/00	74	50	7.75	11	6.8	0.3	0.7	0	0	Oil sheen and scum on water, bad odor
Grand Lake	02/01/01	74	10	7.5	28	9.7	0.2	2.5	0	0	took an hr for lunch and other duties. Very high nitrate nitrogen (JG)
Grand Lake	04/02/01	74		7.75	14	8.8	0.1	0.9	0	0	Shallow secchi went to 110 cm still visible at bottom. Fish sighted. (JG)
Grand Lake	05/01/01	74	63	7.5	30	6.1	0.16	0.64	0	0	saw one fish and a turtle <KW>

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Grand Lake	07/03/01	74	61	7.75	30	9.15	0.1	0.2	0	0	dark green, strong odor <KW>
Grand Lake	08/01/01	74	55	7.25	30	4.4	0.3		0	0	Noticed a large amount of scum by bridge. Nitra-Ver 6 no longer good? Cliff younger??? <monitor>
Grand Lake	09/05/01	74	50	7.75	33	4.5	0.3	0.06	0	0	
Grand Lake	05/07/00	80	75	7.75	55	7.45	0.1	0.5	0	0	
Grand Lake	06/03/00	80									No report
Grand Lake	07/01/00	80									No report
Grand Lake	08/06/00	80	79	7.75	56	6.15	0.1	0	0	0	
Grand Lake	09/03/00	80	88	8	55	7.05	0.6	0	0	0	DI phosphorus tested twice with same results
Grand Lake	10/08/00	80	72	7.75	59	7	0.14	0.04	0	0	
Grand Lake	11/05/00	80	58	7.75	34	6.6	0.12	0.1	0	0	
Grand Lake	12/03/00	80	85	7.75	35	8.6	0.16	0.06	0	0	
Grand Lake	01/06/01	80	134	7.75	30	10.85	0.26	0.1	0	0	Lake ice within 10 yards of sample site. Lake has been iced over in area until 1 or 2 days before sample date.
Grand Lake	02/04/01	80	85	7.75	35	12.1	0	0.24	0	0	
Grand Lake	03/04/01	80	18	7.5	96	8.65	0.8	0.38	0	0	lake level is up
Grand Lake	04/01/01	80	24	7.75	32	8.7	0.5	0.95	0.1	0	
Grand Lake	05/06/01	80	54	7.75	29	8.1	0.3	0.65	0	0	
Grand Lake	06/03/01	80	82	7.75	28	7.35	0.52	0.55	0	0	
Grand Lake	07/08/01	80	77	7.75	28	8.1	0.08	0.06	0	0	
Grand Lake	08/05/01	80	80	7.75	28	7.9	0.08	0	0	0	
Grand Lake	09/02/01	80	97	7.75	28	7.55	0.12	0	0	0	
Grand Lake	05/10/01	81	68	8.25	39	9.5	7.5	0.84	0	0	
Grand Lake	06/14/01	81	114	8.25	36	6.02	0.02	0.61	0	0	
Grand Lake	07/11/01	81	108	8.25	13	7.87	0	0.02	0	0	
Grand Lake	08/09/01	81	85	8.25	36	4.825	0.04	0	0		

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Grand Lake	05/22/01	82	75	7.75	13	6.85	0.6	0.6	0	0	
Grand Lake	06/23/01	82	158	9	17	7.8	1.4	0.26	0	0	
Grand Lake	08/20/01	82	136	7.75	13	4.3	0	0	0	0	
Grand Lake	10/18/99	I-24		7.75	25	7.15				1	Minnows sited, dozing near creek, future dozing to prevent flooding in area planned
Grand Lake	12/15/99	I-24		7.25	14	0	0.38	0		2	0
Grand Lake	01/14/00	I-24		7.75	93	9.9	0	0.5	0	0	Mimmal life sited
Grand Lake	07/17/00	I-24		7.75	30	6.9	5	0.2	0	0	No life sited, water fairly clear
Grand Lake	08/15/00	I-24		7.25	30	7.1	0	0.56	0	0	
Grand Lake	09/15/00	I-24		7.75	30	6.5	0.5	0.2	0	1	Man reported that creek has waste at times from a hog operation east of Seneca Elementary School. Also reported was an abundance of snails on down stream side of low water bridge.
Grand Lake	10/17/00	I-24		7.75	27	7	0	0.2	0	0	
Grand Lake	04/13/00	I-62	45	8	103	7.2	0.5	0.1	0	0	
Grand Lake	10/05/99	I-62	45	8.25	15	7.35				0	
Grand Lake	10/05/99	I-62		8		7.4				0	
Grand Lake	04/13/00	I-62									
Grand Lake	07/13/00	I-62	75		17		0.1	0	0	0	
Grand Lake	08/11/00	I-62	65	8.75			0.16	0	0	0	See attached hydrolab form for water temp,pH, DO and conductivity
Grand Lake	08/11/00	I-62					0.8	0.1	0	0	See attached hydrolab form for water temp,pH,DO, and conductivity.
Grand Lake	09/14/00	I-62	65		92		0.6	0	0	0	see attached hydrolab data for water temp, pH, DO, and conductivity.
Grand Lake	09/14/00	I-62					1	0.1	0.15	0	See attached hydrolab data sheet for water temp, pH, DO and conductivity
Grand Lake	10/13/00	I-62	59	8	25	6.2	0.4	0	0	0	Check starch bottle-seems to be stopped up. Couldn't use hydrolab-needs new battery maybe.

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Grand Lake	10/13/00	I-62		7.25		2	0.5	0.1	0.2	0	Check starch bottle-seems to be stopped up.
Grand Lake	05/24/01	I-62	55		93		0.5	0.2	0	0	Couldn't use hydrolab-needs new battery maybe.
Grand Lake	05/24/01	I-62									See attached Hydrol data Hydrola GLA-1 <LS>
Grand Lake	06/28/01	I-62	70		58		0.3	0.1	0	0	see attached hydro data GLA-1 <monitor>
Grand Lake	07/26/01	I-62	65		97		0.2	0	0	0	water temp., PH, DO in attached hydrolab data sheet <LS>
Grand Lake	10/20/01	I-62									
Grand Lake	09/30/99	I-63				4.55				0	
Grand Lake	11/05/99	I-63		7.75		8.1				0	Van Dorn--needs a hose put on discharge
Grand Lake	11/05/99	I-63		7.75		7.9				0	0
Grand Lake	11/05/99	I-63		7.75	33	8.6				0	
Grand Lake	11/05/99	I-63		7.75		7.9				0	
Grand Lake	08/01/00	I-63	71		25		0.05	0	0.02	0	See attached hydrolab form for water temp,pH,DO,
Grand Lake	10/19/00	I-63	61	8.75			0.1	0.12	0.01	0	
Grand Lake	10/19/00	I-63		7.75			0.1	0.24	0.01	0	
Grand Lake	05/17/01	I-63									
Grand Lake	06/26/01	I-63	41				0.14	0.1	0	2	
Grand Lake	07/31/01	I-63	45				0.4	0.02	0	0	no bottom reading equipment failure van dorn defective <monitor>
Grand Lake	08/24/01	I-63	46				0.7	0	0	0	see hydrolab data <monitor>
Grand Lake	08/24/01	I-63					0.9	0	0		
Grand Lake	09/27/01	I-63	59		33		0.85	0.06	0	0	see hydrolab data <monitor>
Grand Lake	09/27/01	I-63					0.8	0.08	0		
Grand Lake	09/27/01	I-63									

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Grand Lake	10/20/01	I-63									
Grand Lake	07/02/01	I-64									
Grand Lake	08/06/01	I-64					0.14	0	0		
Grand Lake	08/06/01	I-64	62		17		0.06	0	0	0	see attached hydrolad data <monitor>
Grand Lake	09/04/01	I-64					0.24	0	0		
Grand Lake	09/04/01	I-64	60		26		0.08	0	0	0	see attached hydrolad <monitor>
Grand Lake	09/27/01	I-64									
Grand Lake	08/30/99	I-67	63	7.75	33	4.85					
Grand Lake	08/30/99	I-67		7.75		0.55					
Grand Lake	09/30/99	I-67	36	7.75	32	5.15				0	
Grand Lake	09/30/99	I-67				4.2				0	
Grand Lake	11/05/99	I-67		7.75	33	8.75				0	Van Dorn-needs a hose put on discharge
Grand Lake	08/01/00	I-67	53		27		0.07	0	0.01	0	see attached hydrolab form for pH, and DO
Grand Lake	08/01/00	I-67					0.09	0.24	0.02	0	see attached hydrolab form for pH, DO
Grand Lake	10/19/00	I-67	58	8.5	33		0.6	0.18	0.05	0	H
Grand Lake	10/19/00	I-67		7.75			0.3	0.1	0.1	0	
Grand Lake	05/17/01	I-67									
Grand Lake	06/26/01	I-67	41				0.3	0.14	0	2	kit nbr A-9 needs chemicals & water <monitor>
Grand Lake	07/31/01	I-67	47				0.8	0.01	0	0	"no botton reading. Equipment failure van dorn defective" <monitor>
Grand Lake	08/24/01	I-67	43				0.9	0	0	0	hydro data attached <monitor>
Grand Lake	08/24/01	I-67					1	0	0		
Grand Lake	09/27/01	I-67	66		33		0.8	0.1	0	0	See hydrolad <monitor>
Grand Lake	09/27/01	I-67					0.85	0.08	0		see hydrolab <monitor>
Grand Lake	09/27/01	I-67									
Grand Lake	07/01/00	I-68	179		13		0.8	0.22	0	0	
Grand Lake	07/01/00	I-68					0.24	0.3	0	0	0

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Grand Lake	08/05/00	I-68		42			0	0.14	0	0	Seechi Disk chain not long enough to drop, disk out of sight. See attached hydrolab form for water temp, pH, DO, and conductivity
Grand Lake	08/05/00	I-68					2.2	0.22	0	0	See attached hydrolab form for water temp, pH, DO and conductivity.
Grand Lake	09/04/00	I-68	125		42		0	0	0	0	see attached hydrolab sheet for water temp, pH, DO and conductivity
Grand Lake	09/04/00	I-68					0.76	0	0.5	0	see attached hydrolab data for water temp, pH, DO, and conductivity.
Grand Lake	09/30/00	I-68	145		42		0.018	0.04	0	0	
Grand Lake	11/04/00	I-68	175		39					0	
Grand Lake	11/04/00	I-68					0.07	0.09	0	0	
Grand Lake	03/04/01	I-68	15		47		0.26	0.54	0	0	Lake level 749.5 and falling (JF)
Grand Lake	04/01/01	I-68	10		61		0	0.74	0	0	
Grand Lake	05/06/01	I-68	65				0.3	0.78	0	1	
Grand Lake	05/17/01	I-68									
Grand Lake	06/03/01	I-68	85		38		0.3	0.78	0	0	
Grand Lake	07/01/00	I-69	143		13		0.02	0.13	0	0	items: WT, pH, and DO checked with a Hydrolab. See attached data sheet. Samples taken at 16.92 M because of the length of the cord on the van Dorn. Sonar readings record a depth of 77.5 ft. (23.628M)
Grand Lake	07/01/00	I-69					0.16	0.3	0		
Grand Lake	09/30/00	I-69					1	0	0.9	0	
Grand Lake	09/30/00	I-69									
Grand Lake	06/19/01	I-73									
Grand Lake	08/06/01	I-73	59		39		0.14	0	0	0	see attached hydrodata <monitor>
Grand Lake	08/06/01	I-73					0.28	0	0		
Grand Lake	09/04/01	I-73					0.1	0	0.7		
Grand Lake	09/04/01	I-73	83		30		0.1	0	0	0	see attached hydrolab data sheet <monitor>

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Illinois River	07/08/00	10		7.2		6.9	0	0.92	0	0	
Illinois River	09/12/00	10		7.5		5.2				1	
Illinois River	07/08/00	10		7		6.9	0	0.92	0	0	
Illinois River	08/12/00	10		7		6.9	0	0.92	0	0	
Illinois River	09/09/00	10		7		6.1	0	0.22	0	0	
Illinois River	10/18/00	10		7.2		7.4	0	2.6	0	0	
Illinois River	08/12/00	10		7.2		6.9	0	0.92	0	0	
Illinois River	11/11/00	7		7.2		9.3	0	0.86	0	0	
Illinois River	11/16/01			7.5			0	0	0	1	
Illinois River	12/09/00	7		7		10.1	0.28	1	0	0	
Illinois River	01/11/01	7		7			0	0.6	0	0	
Illinois River	02/01/01			7.5						0	
Illinois River	02/09/01	7		7		11.4	0	74	0	0	
Illinois River	04/14/01			7.5		7.7	0.14	0.6	0.2	1	
Illinois River	03/11/01	7		7			0	2	0	0	
Illinois River	04/08/01	7		7		8.4	0	0.84	0	0	
Illinois River	08/12/01	10		7		5.4	0	0.24		0	
Illinois River	09/16/01	10		7		6.1	0	0.22	0	0	
Illinois River	10/21/01	11		7		7.45	0	0.4	0	0	
Illinois River	10/21/01	10		7		7.4	0	0.65	0	0	
Illinois River	10/07/01	11		7		8.4	0	0.24	0		
Illinois River	10/07/01	11		7		7.5	0	0.21	0	0	
Illinois River	11/11/01	11		7		8.4	0	0.6	0	0	quanta results: temp. 14.58 , Sps .248, DO 8.70, PH 7.15 Quanta 04270 TDS 0.2 , DO%87.9 Barometer 1024.5mb <monitor>

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Illinois River	11/11/01	11		7			0	0.54	0	0	
											quanta nbr 04270 baro pres 1027.8 temp 10.46 DO 10.07 TDS 0.1 SPC 0.20 pH 7.22 DO % 91.4
Illinois River	12/09/01	10		7		9.9	0	0.68	0		<monitor>
											quanta 04270 Bar pres 1027.8 Temp 9.58 DO 1066 TDS 0.2 SPC 0.261 pH 7.39 DO% 96.2
Illinois River	12/09/01	11		7		10.1	22	0.74	0		<monitor>

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Illinois River	02/09/02	11		7.52			0.42	1	0	0	salin 0.12DO % 83.6Barometer P 29.9
Illinois River	02/09/02	10		7.51			0.28	0.9	0	0	salin .09 DO % 84.8 Barometer 29.9
Illinois River	09/22/02	10		6.86		4.56	0.16	0.3	0.02	0	Sp Cond 0.21 Salin 0.10 DO 49% Barometric P 767 mm
Illinois River	09/22/02	11		7.2		4.7	0.5	0.26	0	0	
Illinois River	10/20/02	12		7.25		4.4	0.36	0.4	0	0	Site Description: Town Branch Sal: 0.14, DO% 44.5, Bar P: 30.09 River very low <monitor>
Illinois River	10/20/02	11		7.33		4.27	0.4	0.44	0	0	Site Description: Echota Salinity: 0.14, DO % 46.2, Bar. P: 30.09 Rvr is lowest since sampling <monitor>
Illinois River	10/20/02	10		6.97		4.23	0.06	0.38	0	0	Site Description: Eldon Salinity: 0.09, DO% 42.1, Bar P: 30.09 erosion continues at site<monitor>

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Lake Carl Etling	11/17/99	1	24	7.75	28	8.7	0	0	0.4	1	
Lake Carl Etling	11/17/99	2	21	8	28	8.05	0	0	0.5	1	
Lake Carl Etling	11/17/99	3	26	8	28	9.05	0	0	0.4	1	
Lake Carl Etling	12/16/99	1		8	25	9.3	0	0	1	1	
Lake Carl Etling	12/16/99	2		8	25	9.2	0	0	0.4	1	
Lake Carl Etling	12/16/99	3		8	25	9.6	0	0	0.8	1	
Lake Carl Etling	05/15/00	1	26	8	30		0.4	0	0	1	bad starch soln. No DO.
Lake Carl Etling	05/15/00	2		8	30		0.42	0	0	1	Bad starch soln. No DO
Lake Carl Etling	05/15/00	3		7.75	30		0.25	0	0	1	Bad starch soln. No DO
Lake Carl Etling	04/14/00	1	32	7.75	25		0	0	0	6	Dissolved Oxygen test not completed due to problems with test kit chemical (starch)
Lake Carl Etling	04/14/00	2	32	7.75	25		0	0	0	0	Test kit problems with DO (starch)
Lake Carl Etling	04/14/00	3	32	7.5	25		0	0	0	0	Problems with starch in DO test
Lake Carl Etling	12/16/99	1		8	25	9.3	0	0	1	1	
Lake Carl Etling	12/16/99	2		8	25	9.2	0	0	0.4	1	
Lake Carl Etling	12/16/99	3		8	25	9.6	0	0	0.8	1	
Lake Carl Etling	03/20/00	3	29	8	30	9.3	0	0	0	1	
Lake Carl Etling	03/20/00	1	24	8.25	30	9.4	0	0	0	1	
Lake Carl Etling	03/20/00	2	25	8.25	30	9.6	0	0	0	1	
Lake Carl Etling	04/14/00	1	32	7.75	25					6	Dissolved oxygen test not completed due to problems with test kit chemical (starch)
Lake Carl Etling	04/14/00	2	32	7.75	25		0	0	0	0	Test kit problem with D.O. (starch)
Lake Carl Etling	04/14/00	2	32	7.5	25					0	Problems with starch in D.O. test
Lake Carl Etling	05/15/00	2		8	30					1	Bad starch solution, could not do D.O.
Lake Carl Etling	05/15/00	3		7.75	30					1	Bad starch solution, could not do D.O.
Lake Carl Etling	05/15/00	1	26	8	30		0.4	0	0	1	Bad starch solution, couldn't do D.O.
Lake Carl Etling	01/19/00	2	26	8	30	9.7	0	0	0	1	
Lake Carl Etling	01/19/00	3	21	8	30	9.9	0	0	0	1	
Lake Carl Etling	01/19/00	1	23	8.25	30	9.6	0	0	0.1	1	

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Lake Carl Etling	02/16/00	3	26	7.5	100	9.4	0	0	0	0	
Lake Carl Etling	02/16/00	2	30	7.5	100	9.7	0	0	0.1	0	
Lake Carl Etling	02/16/00	1	36	7.5	100	9.8	0	0	0.1	0	
Lake Carl Etling	01/19/00	1	23	8.25	30	9.6	0	0	0.1	1	
Lake Carl Etling	01/19/00	3	21	8	30	9.9	0	0	0	1	
Lake Carl Etling	01/19/00	2	16	8	30	9.7	0	0	0	1	
Lake Carl Etling	08/17/00	3	29	7.75	26	5.9	0	0	0	0	Lake is down approximately 3ft from last month
Lake Carl Etling	08/17/00	1	30	7.5	26	6	0	0	0.3	0	Lake water level is down approxiate. 2ft from last month.
Lake Carl Etling	08/17/00	2	26	7.75	26	6.05	0	0	0.1	0	Water is down approxiate 2ft from last month
Lake Carl Etling	08/17/00	2	26	7.75	26	6.05	0	0	0.1	0	Lake is down approxiate 2 ft from last month.
Lake Carl Etling	09/15/00	2		8.25	96	6.8	0	0	0	0	Lake level down at least 6 feet from Normal
Lake Carl Etling	09/15/00	1		8.5	96	6.9	0	0	0	0	Lake down at least 6 ft from normal
Lake Carl Etling	09/15/00	3		8.5	96	5.5	0	0	0	0	Channel area extremely low water level.
Lake Carl Etling	09/15/00	3		8.5	96	5.5	0	0	0	0	Channel area extremely low water level
Lake Carl Etling	09/15/00	2		8.25	96	6.8	0	0	0	0	lake level down at least 6ft from normal
Lake Carl Etling	09/15/00	1		8.5	96	6.9	0	0	0	0	Lake down at least 6ft from normal
Lake Carl Etling	10/18/99	3	35	8.25	55	6.3	0	0	0.1	1	
Lake Carl Etling	10/18/99	1	30	8	55	7.2	0	0	0.1	1	
Lake Carl Etling	09/15/99	1	0	7.75	28	5.5	0	0	0	1	
Lake Carl Etling	09/15/99	2	22	8	28	5.7	0	0	1	1	
Lake Carl Etling	09/15/99	3	28	8	28	5.3	0	0	1	1	
Lake Carl Etling	08/16/99	2	26	8	104	6.05	0	0	0.4	1	
Lake Carl Etling	08/16/99	1	29	7.75	104	5.9	0	0	1	1	
Lake Carl Etling	08/16/99	3	23	7.75	104	5.2	0	0	1	1	
Lake Carl Etling	11/17/99	3	26	8	28	9.05	0	0	0.4	1	
Lake Carl Etling	11/17/99	2	21	8	28	8.05	0	0	0.5	1	
Lake Carl Etling	11/17/99	1	24	7.75	28	8.7	0	0	0.4	1	
Lake Carl Etling	03/20/00	1	24	8.25	30	9.4	0	0	0	1	

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Lake Carl Etling	03/20/00	2	25	8.25	30	9.6	0	0	0	1	
Lake Carl Etling	03/20/00	3	29	8	30	9.3	0	0	0	0	
Lake Carl Etling	06/15/00	3		7.5	96	7.4	0	0	0	0	0
Lake Carl Etling	06/15/00	2		7.75	96	7.3	0	0	0	0	0
Lake Carl Etling	06/15/00	3		7.5	96	7.4	0	0	0	0	
Lake Carl Etling	04/02/01	1		8	13	8.8	0.09	0.01	0.08	1	
Lake Carl Etling	04/02/01	2		8.5	13	8.85	0.81	0	0.02	1	
Lake Carl Etling	04/02/01	3		8	13	8.8	0.29	0	0.08	1	
Lake Carl Etling	03/07/01	3		8	25	8.9	0	0	0	0	
Lake Carl Etling	03/07/01	3		8	25	8.9	0	0	0	0	
Lake Carl Etling	03/07/01			8	27	9	0	0	0	1	
Lake Carl Etling	05/14/01	1	20	8.5	36	7	0.22	0.02	0.08	1	
Lake Carl Etling	05/14/01	2	19	8.5	36	6.85	0.04	0.05	0.08	1	
Lake Carl Etling	05/14/01	3	19	8.5	91	5.9	0	0	0.06	1	
Lake Carl Etling	05/14/01	1	20	8.5	36	7	0.22	0.02	0.08	1	Monitor uses DR/890 to test nutrients<KRC>
Lake Carl Etling	05/14/01	2	19	8.5	36	6.85	0.04	0.05	0.08	1	
Lake Carl Etling	05/14/01	3	19	8.5	91	5.9	0	0	0.06	1	
Lake Carl Etling	06/07/01	1		8.5	39	7.05	0.36	0	0.03	1	
Lake Carl Etling	06/07/01	2		8.5	39	7.2	0.17	0	0.02	1	
Lake Carl Etling	06/07/01	3		8.5	39	7.25	0.19	0	0.02	1	
Lake Carl Etling	07/05/01	1		9	39	5.25	0.24	0	0.1	2	
Lake Carl Etling	07/05/01	2		9	39	5.15	0.14	0	0.04	2	
Lake Carl Etling	07/05/01	3		8.5	39	5.05	0.05	0	0.16	2	
Lake Carl Etling	08/20/01	1		9	38	7.25	0.25	0.02	0.04	1	
Lake Carl Etling	08/20/01	2		9	38	7.15	0.24	0.02	0.05	1	
Lake Carl Etling	08/20/01	3		9	38	7.5	0.23	0.01	0.06	1	
Lake Carl Etling	09/06/01	3	17	8	48	3.15	0.04	0	0.07	2	
Lake Carl Etling	09/06/01	1	15	8.5	48	4.75	0.06	0	0.06	2	
Lake Carl Etling	09/06/01	2	16	8.5	48	4.05	0.01	0	0.09	2	

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Lake Carl Etling	10/10/01	1		9	39	8.4	0.17	0	0.03	1	
Lake Carl Etling	10/10/01	2		9	39	8.3	0.09	0	0	1	
Lake Carl Etling	10/10/01	3		9	39	8.3	0.13	0	0.01	1	
Lake Carl Etling	11/13/01	3		8	37	8.15	0.25	0	0.08	1	lake is very low as to no moisture since July <monitor>
Lake Carl Etling	11/15/01	1		8.5	37	7.85	0.16	0	0.09	1	no moisture Lake is very low <monitor>
Lake Carl Etling	01/11/30	2		8	37	7.35	0.33	0	0.07	1	very low dew to moisture in July <monitor>
Lake Carl Etling	12/07/01	1		8	12	9.75	0.7	0.01	0.12	0	advanced parameters done by DR/890 colorimeter <monitor>
Lake Carl Etling	01/20/70	2		8	12	9.55	0.74	0	0.09	0	dr/890 used for advanced parameters readings <monitor>
Lake Carl Etling	12/07/01	3		8	12	9.65	0.75	0	0.05	0	no trash water was very clean and clear advanced parameters done w/ dr/890 colorimeter <monitor>
Lake Carl Etling	09/24/02	03									no water at site 3. Channel has dried up not enough water fall
Lake Carl Etling	09/24/02	02		9	101	4.95	0.06	0	0.22	0	advanced parameters done w/ DR/890 Colorimeter. Lake is very low
Lake Carl Etling	09/24/02	1		9	101	5.05	0.05	0	0.21	0	advanced parameters done w/ HACH DR/890. Lake was very low
Lake Eufaula	09/04/99	8	79	8.25	38	6	0	0	0.35	0	Shad and white bass near dock
Lake Eufaula	09/04/99	12	32	8.5	38	6.3	0	0	0	0	Stong dead fish odor, heavy boating activity
Lake Eufaula	06/10/00	12	48	7.75	13	7.1				1	Heavy boating activity
Lake Eufaula	06/10/00	8	87	7.75	13	7.2				1	Heavy boating activity
Lake Eufaula	07/14/00	8	109	8.25	12	8.3				0	Lake level about two feet above normal
Lake Eufaula	04/08/00	8	40	8.25	37	9.05				0	Testing follows 3 days of strong windy weather.

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Lake Eufaula	05/06/00	8	44	8.25	38	7.85	0	0.04	0	0	Abundance of organic debris (twigs, leaves, logs, etc) in water.
Lake Eufaula	05/06/00	12	43	7.75	26	7.6	0	0	0	0	Abundance of organic debris (twigs, logs, leaves, etc) in water
Lake Eufaula	02/12/00	12		8.25	38	10.7				0	Secchi disk reached the bottom at 47 cm. Lake level is low
Lake Eufaula	02/12/00	8	66	8.25	38	10.5				0	Lake is low.
Lake Eufaula	03/11/00	8	84	8.25	38	9.8	0	0	0	0	Lake level low.
Lake Eufaula	03/11/00	12	45	8.75	37	9.7	0	0	0	0	lake level low
Lake Eufaula	01/08/00	8	70	8.5	56	10.05	0	0	0	0	lake level low
Lake Eufaula	01/08/00	12	35	8.5	37	10.3	0	0	0	0	lake level is low
Lake Eufaula	08/12/00	12	58	8.25	38	7.1	0	0	0	1	
Lake Eufaula	08/12/00	8	95	8.75	56	7.6	0	0	0	1	
Lake Eufaula	09/02/00	8	105	8.25	13	6.8				0	Secchi disk hit on the bottom, lake level low
Lake Eufaula	09/02/00	12	50	7.75	17	6.7	0.16			0	High boating activity. Lake level low. Oil sheen on the water surface.
Lake Eufaula	10/09/99	12	32	8.25	38	8.2	0	0	0	0	Nutrient performed using Hach test kit
Lake Eufaula	10/09/99	8	32	7.75	17	8.3	0	0	0	0	Nutrient test performed using Hach test kit
Lake Eufaula	12/12/99	12	26	7.75	59	9.4	0	0	0	0	Lake level low
Lake Eufaula	12/12/99	8	51	7.745	47	9.2	0	0.08	0	0	Lake level low
Lake Eufaula	10/19/00	8		8.25	39	8.4	0	0	0	0	Lake level extremely low. Unable to get Secchi disk reading from dock.
Lake Eufaula	10/19/00	12		8.25	25	9	0.12	0.04	0	0	Lake level extremely low, unable to get Secchi disk reading from dock.
Lake Eufaula	11/20/99	12	24	8.25	37	8.2	0	0	0	0	Lake level low
Lake Eufaula	11/20/99	12	51	7.75	38	8.3	0	0.04	0	0	Foamy brown film on the surface of the water, low water level.
Lake Eufaula	11/18/00		29	8.25	57	9.5	0	0	0	0	
Lake Eufaula	11/18/00		67	8.25	38	9.35	0	0	0	0	
Lake Eufaula	12/09/00	8	63	7.75	42	10.2	0.1	0	0	0	

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Lake Eufaula	12/09/00	12	30	7.75	47	10.5	0	0	0	0	
Lake Eufaula	01/13/01	8	73	8	49	11.7	0	0	0	0	Lake surface was froze over the previous week.
Lake Eufaula	01/13/01	12	51	7.25	37	11.3	0	0	0	0	Cove was froze over until previous day and ice is still in back part.
Lake Eufaula	02/10/01	8	33	7.75	17	10.8	0	0.18	0	0	
Lake Eufaula	02/10/01	12	33	8	56	11.2	0	0.12	0	0	fish remians near dock
Lake Eufaula	03/11/01	8	40	7.25	37	10.2	0.14	0.16	0	0	
Lake Eufaula	03/11/01	12	22	7.25	57	9.7	0.08	0.18	0	0	
Lake Eufaula	04/21/01	12	20	8.25	59	7.75	0	0	0	0	
Lake Eufaula	04/21/01	8	43	8.25	57	8.3	0	0	0	0	Winds have exeeded 30 mph since 04/18/01
Lake Eufaula	05/12/01	12	27	8.25	60	6.9	0.12	0.16	0	0	
Lake Eufaula	05/12/01	8	42	7.75	38	8.1	0.16	0.14		0	scattered patches of floating filamentous algae.
Lake Eufaula	06/12/01	8	75	8.25	13	8.9	0	0	0	0	lake level high (monitor)
Lake Eufaula	06/12/01	12	72	8.25	42	7.1	0	0	0	0	
Lake Eufaula	07/14/01	12	22	7.75	32	5.6	0	0	0	1	local rain occurred immediatly prior to sampling. Quantity unknown. Rain sufficient to erode footprints in sand near moored boats on shore. Use near by ramp. <monitor>
Lake Eufaula	07/14/01	8	117	8.75	12	6.4	0	0	0	1	no boating activity, trash or debris <monitor>
Lake Eufaula	08/18/01	8	65	7.75	13	5.4	0	0	0	0	skiers on the lake <monitors>
Lake Eufaula	08/18/01	12	43	8.25	37	6.1	0	0	0	0	moderate boating activity <monitors>
Lake Eufaula	09/15/01	12		8.75	56	6.8	0	0	0	0	Lake level is too low to take secchi dish reading <monitor>
Lake Eufaula	09/15/01	8	55	8.5	38	7.5	0	0	0	0	low lake level <monitor>
Lake Eufaula	10/13/01	12	25	7.75	52	7	0.08	0.08	0	0	school of Shad around the dock <monitor>
Lake Eufaula	10/13/01	8	60	7.75	17	7.1	0.12	0.06		0	
Lake Eufaula	11/10/01	8	70	7.75	13	8.1	0	0	0	0	lake level low <monitor>
Lake Eufaula	11/10/01	12	42	7.75	38	8.1	0	0	0	0	lake level is low <monitor>
Lake Eufaula	12/08/01	8	66	8	39	9.3	0	0	0	0	lake level low <monitor>
Lake Eufaula	12/08/01	12	43	8.25	38	9.7	0	0	0	0	lake level low <monitor>

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Lake Thunderbird	04/22/00	8		8.75	48	8.1	0	0	0	1	
Lake Thunderbird	04/22/00	2	53	8.75	48	8.9	0	0	0	1	
Lake Thunderbird	04/22/00	3	40	8.75	48	8.4	0	0	0	1	
Lake Thunderbird	01/15/00	2	60	8	91	10				0	
Lake Thunderbird	01/15/00	3	55	7.5	91	10				0	
Lake Thunderbird	02/12/00	3	48	7.5	67	11.5				0	
Lake Thunderbird	02/12/00	2	50	7.75	67	11.65				0	
Lake Thunderbird	02/12/00	1		7.75	67	11.4				0	
Lake Thunderbird	03/04/00	1	26	8.25	67	10.05	0	0	0	0	
Lake Thunderbird	03/04/00	2	40	8.25	56	9.4	0.35	0	0	0	
Lake Thunderbird	03/04/00	3	43	8.25	56	10.2				0	
Lake Thunderbird	10/02/99	1	23	8.25	7	7.9				0	
Lake Thunderbird	10/02/99	2	46	8.25	51	6.3				0	
Lake Thunderbird	10/02/99	3	40	8	51	8.05				0	
Lake Thunderbird	08/28/99	1	15	8	60	4.6				0	
Lake Thunderbird	08/28/99	2	34	8.5	56	7.3	0	0	0	0	
Lake Thunderbird	08/28/99	3	33	8.5	51	7.4				0	
Lake Thunderbird	10/31/99	1	15	8	58	7.7				0	
Lake Thunderbird	10/31/99	2	43	7.75	58	7.8				0	
Lake Thunderbird	10/31/99	3	44	8	48	7.4				0	
Lake Thunderbird	10/14/00	1	18	8	60	8.9				0	Soduim Thiosulfate is unreliable--gave exceptionally high results (>12 MgO2). Therefore, one sample was fixed and taken back to Dr. Nanny's OU lab to measure with another Hach kit.

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Lake Thunderbird	10/14/00	2	41	8	56	6.7		0.02		0	Soduim Thiosulfate is unreliable--gave exceptionally high results (>12 MgO2). Therefore, one sample was fixed and taken back to Dr. Nanny's OU lab to measure with another Hach kit.
Lake Thunderbird	10/14/00	3	36	8	57	7.3		0.02		0	Soduim Thiosulfate is unreliable--gave exceptionally high results (>12 MgO2). Therefore, one sample was fixed and taken back to Dr. Nanny's OU lab to measure with another Hach kit.
Lake Thunderbird	03/24/01	1		9.25	61	10.37				1	
Lake Thunderbird	03/24/01	2		9.25	61	10				2	
Lake Thunderbird	04/21/01	2		8.25	51	7.8				2	
Lake Thunderbird	04/21/01	1		8.25	58	7.55				1	
Lake Thunderbird	05/19/01	2		8.25	62	7.95				2	
Lake Thunderbird	05/19/01	1		8.25	60	8.15				1	
Lake Thunderbird	06/16/01	1		8.75	62	6.95				1	
Lake Thunderbird	06/16/01	2	56	8.75	62	6.25				2	
Lake Thunderbird	07/21/01	2	61	8.75	59	6.1				2	
Lake Thunderbird	07/21/01	1		8.75	57	5.8				1	
Lake Thunderbird	08/18/01	2	52	8.5	94					2	
Lake Thunderbird	08/18/01	1		8.5	60	5.9				2	
Lake Thunderbird	09/22/01	2	47	8.25		7.5				1	
Lake Thunderbird	09/22/01	1		8.25	60	6.2				1	
Lake Thunderbird	09/29/01	1	19	8.8	45	7.7	0.1	0	0	2	Hardness 120 mg CaCO3 / L Hach test strip Alkalinity 180 mg CaCO3 / L Hach test strip Sulfate .122 g/l Hach test Water is very turbid with clay / silt

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Lake Thunderbird	09/29/01	3	44	8	48	7.3	0.04	0	0	1	Sulfate .058 g/l Hach test strip Hardness 120 mg CaCo3 /l Hach test strips Alkalinity 180 mg CaCo3 /l Hach test strip
Lake Thunderbird	09/29/01	2	47	8	42	6	0.04	0	0	1	Sulfate 0.087 g/l Hach test strips Hardness 120 mg CaCo3 /l Hach test strip
Lake Thunderbird	10/20/01	02	41	8.25	55	9.1				2	sheltered a little more from wind than site #1 <monitor>
Lake Thunderbird	10/20/01	01		8.25	58	8.1				2	
Lake Thunderbird	12/08/01	1	40	7.75	48	10.1	0	0		0	hardness 180ppm as Cn CO3. Total alkalinity 200ppm as CaCO3 conductivity 0.43 ms/cn sulfate 0.122g/l <monitor>
Lake Thunderbird	12/08/01	2	49	8	48	10.1	0	0		0	hardness 120ppm as CaCO3 total alkalinity 120 ppm as CaCO3 conductivity .37 ms/cm sulfate 0.018g/l <monitor>

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Lake Thunderbird	12/08/01	3	46	7.75	55	9.7	0	0		0	hardness 120 ppm asCaCO3 total alkalinity 120ppm as CaCO3 conductivity 0.35 ms/cm sulfate 0.055 g/l <Dr Nanny>
Meadowlake	04/19/00	2		8.25		7				2	
Meadowlake	04/19/00	4		7.75	56	6.1				4	
Meadowlake	07/14/00	2		7.75	62	6.1				3	
Meadowlake	07/14/00	1		7.75		4.5				3	
Meadowlake	07/14/00	4		7.75	55	3.1				3	
Meadowlake	07/14/00	3		7.75	62	6				3	
Meadowlake	05/17/00	2		7.75	36	3.6				2	
Meadowlake	05/17/00	2		7.75	101	7				0	
Meadowlake	07/14/00	12	68	7.75	27	7.1				0	Lake level about two feet above normal
Meadowlake	01/26/00	3		8.25		13.8	0	0.2	0	0	Snow fulling at time of collection
Meadowlake	01/26/00	2		7.75		10				0	Snow falling at time of collection.
Meadowlake	12/15/99	5		7.75	42	9.9				1	
Meadowlake	12/15/99	4		7.75	57	9.9				0	
Meadowlake	04/19/99	4		7.75		7.3				2	
Meadowlake	04/19/99	3		7.75	62	9.2				0	
Meadowlake	03/19/99	3		7.75	62	9.7				0	
Meadowlake	03/19/99	4		7.75		8.2				0	Stinks, stream flowing stones
Meadowlake	11/14/00	7		7.75	59	9.25				1	
Meadowlake	11/14/00	6		7.75	62	8.4				1	
Meadowlake	11/14/00	5		8.25	91	10.5				0	

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Meadowlake	11/14/00	4		8.25	56	10.3				10	
Meadowlake	11/14/00	3		8.25	62	7.1				0	
Meadowlake	11/14/00	2		7.75	62	9				1	
Meadowlake	11/14/00	3		8.25	62	7.1				0	
Meadowlake	11/14/00	4		8.25	56	10.3				1	
Meadowlake	11/14/00	5		8.25	91	10.5				0	
Meadowlake	11/14/00	6		7.75	62	8.4				1	
Meadowlake	11/14/00	7		7.75	59	9.25				1	
Meadowlake	12/19/00	3		7.75	62	12.8				0	Day 6 precip was snow. Water surface frozen, sampled 3 meters from edge.
Meadowlake	12/19/00	1		7.5		9.35				0	Precip on day 6 was snow. Surface frozen
Meadowlake	12/19/00	4		7.5	62	12.3				0	Precip on day 6 was snow. Lake frozen, took samples from the edge.
Meadowlake	12/19/00	5		7.75	101	12.4				1	Precip on day 6 was snow.
Meadowlake	02/14/01	7		7.75	101	7.8				1	
Meadowlake	02/14/01	6		7.75		8.4				4	
Meadowlake	02/14/01	5		7.5	61	9.2				1	
Meadowlake	02/14/01	4		7.75		9.2				1	
Meadowlake	02/14/01	1		7.75		8.4				1	
Meadowlake	02/14/01	3		7.75		8.5				1	
Meadowlake	04/16/01	7		7.75		6.2					
Meadowlake	04/16/01	6		7.05	17	5				3	
Meadowlake	04/16/01	5		7.25						2	
Meadowlake	04/16/01	4		7.5	32	7				2	
Meadowlake	04/16/01	3		7.75		9				2	

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Meadowlake	04/16/01	2		7.75		7.45				2	
Meadowlake	03/27/01	2		7.25		9.7				3	Algae on surface at dam. Some trush
Meadowlake	03/27/01	6		7.75	91	13.5				3	
Meadowlake	03/27/01	5		7.75	120	10.7				3	oil sheen. Plants
Meadowlake	03/27/01	7		8	91	9				3	
Meadowlake	03/27/01	4		8						4	
Meadowlake	03/27/01	3		8.5		11.6				3	
Meadowlake	06/15/01	3		7.75	29	5.5				1	
Meadowlake	07/15/01	3		7.75	62	5				2	
Meadowlake	08/21/01	3		7.75	63	6.2				2	no rain sice June <monitor>
Tenkiller Lake	03/30/99	1	222	8	23	11.2				0	No DI blanks
Tenkiller Lake	03/30/99	1		8		11.05				0	No DI blanks
Tenkiller Lake	03/30/99	2	122	8	14	11.5				0	No DI blanks
Tenkiller Lake	03/30/99	2		7.75		10.45				0	No DI blanks
Tenkiller Lake	03/30/99	3									No sample, water too rough
Tenkiller Lake	03/30/99	4	75	7.75	14	10.7				0	No DI blanks
Tenkiller Lake	03/30/99	5									Not sampled
Tenkiller Lake	03/30/99	6	132	7.75	6	11					
Tenkiller Lake	05/23/99	1	213	8.75	9	9.7				0	No DI blank
Tenkiller Lake	05/23/99	2	174	8.75	9	9.6				0	No DI blank
Tenkiller Lake	05/23/99	3	141	8.5	9	9.4				0	No DI blanks
Tenkiller Lake	05/23/99	5	157	8.5	23	10.25				0	No DI blank
Tenkiller Lake	05/23/99	6	95	7.75	30	7.6				0	No DI blank
Tenkiller Lake	06/27/99	1	138	9	9	10.7				0	No DI blank
Tenkiller Lake	06/27/99	2	145	8.75	14	11.4				0	No DI blanks
Tenkiller Lake	06/27/99	3	113	9	30	11.2				0	No DI blank
Tenkiller Lake	06/27/99	3		7.5		5.75				0	No DI blank
Tenkiller Lake	06/27/99	4	110	8.75	31	11.3				0	No DI blank

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Tenkiller Lake	06/27/99	5									Not sampled
Tenkiller Lake	06/27/99	6	1	7.5	10	7.4				2	No DI blank; floating Duckweed along shore and in bays
Tenkiller Lake	08/01/99	1	145	8.75	31	8.2				0	See attached Hydrolab data/No DI blank
Tenkiller Lake	08/01/99	1		7.75		0.5				0	See attached Hydrolab data/No DI blank
Tenkiller Lake	08/01/99	2	124	8.75						0	See attached Hydrolab data/ No DI blank
Tenkiller Lake	08/01/99	3	95	9	6					0	See attached Hydrolab data/No DI blank
Tenkiller Lake	08/01/99	3		7						0	See Attached Hydrolab Data/ No DI blank
Tenkiller Lake	08/01/99	4	76	9.25	31					0	See attached Hydrolab data/No DI blank
Tenkiller Lake	08/01/99										
Tenkiller Lake	08/01/99	6	71	8	30					0	See attached Hydrolab data
Tenkiller Lake	09/26/99	1	375	7	9	6.25				0	Lake has turned over see attached hydrolab data/No DI blank
Tenkiller Lake	09/26/99	2	244	7.75	9	6				0	See attached hydrolab data for bottom sample location/No DI blank
Tenkiller Lake	09/26/99	3	183	7.75	9	6.25				0	See attached hydrolab data/No DI blank
Tenkiller Lake	10/03/99	4	126	8.5	9	10.2				0	See attached hydrolab data/No DI blank
Tenkiller Lake	10/03/99	5									Not Sampled
Tenkiller Lake	10/03/99	6	105	7.75	2	7				0	See attached hydrolab data/No DI data
Tenkiller Lake	02/03/00	6	105	7.75	2	7				0	See hydrolab data/ No DI blank
Tenkiller Lake	12/29/99	1	330		6	9.6				0	See attached hydrolab data/ No DI blank
Tenkiller Lake	12/29/99	2	240		9					0	See attached hydrolab data/No DI blank
Tenkiller Lake	12/29/99	3	250		31					0	See attached hydrolab data/No DI blank
Tenkiller Lake	12/29/99	4	113		30					0	See attached hydrolab data/ No DI blank
Tenkiller Lake	12/29/99	5									Not Sampled
Tenkiller Lake	12/29/99	6	330		9					0	See attached hydrolab data/ No DI blank
Tenkiller Lake	05/21/00	1									
Tenkiller Lake	05/21/00	3									
Tenkiller Lake		4									

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Tenkiller Lake	12/29/99	1									
Tenkiller Lake	12/29/99	3									
Tenkiller Lake		4									
Tenkiller Lake	02/09/00	4	101		30		1	2.8	0.05	0	
Tenkiller Lake	02/09/00	3	228		6		0.29	1.5	0.1	0	
Tenkiller Lake	02/09/00	6	254		4		0.15	2	0.2	0	
Tenkiller Lake	10/26/98	Gore landing								2	Sampled from shore
Tenkiller Lake	02/09/00	1	347		9		0.26	2.3	0.1	0	
Tenkiller Lake	10/23/98	1		7.5		6.6	0.1	0.75	1	0	sample from shore
											Site depth 28.3
Tenkiller Lake	11/27/98	1-S	219	7.75	3	7.95	0	0.5	3	0	Turbidity 10
											Site Depth 28.2
Tenkiller Lake	11/27/98	1-D		1.75		7.8				0	turbidity 5
											site depth 22
Tenkiller Lake	11/27/98	2-s	202	7.75	14	9.05				0	turbidity 10
Tenkiller Lake	03/22/00	1									
Tenkiller Lake	03/22/00	3									
Tenkiller Lake	03/21/00	4									
											Site Depth 22.0
Tenkiller Lake	11/27/98	2-S	202	7.75	14	9.05				0	Turbidity 10
											site depth 21.8
Tenkiller Lake	11/27/98	2-D		7.75		9.5				0	turbidity 12
											site depth 17
Tenkiller Lake	11/27/98	3-S	199	8	6	10.55	0	0.5	4	0	turbidity 8

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Tenkiller Lake	11/27/98	3-D		7.75		9.9				0	site depth 17 turbidity 18
Tenkiller Lake	11/27/98	3-D		7.5		9.9				0	Site Depth 17 Turbidity 18
Tenkiller Lake	11/27/98	4	168	8	6	11.75	0	3	3	0	site depth 10 turbidity 19
Tenkiller Lake	11/27/98	5	15	8.5						0	site depth 6.7 turbidity 18
Tenkiller Lake	11/27/98	6	93	7.5	23	10.2	0.1	3.5	0	0	site depth 5.1 turbidity 9
Tenkiller Lake	10/25/98	I-5	225	8	30	7.9	0.3	0.38	1.2	0	turbidity 8 site depth 32
Tenkiller Lake	10/25/98	1-D		7.5		7		0.38	0.4	0	turbidity 5 site depth 33 Lake has turned over O2 level at depth is up
Tenkiller Lake	10/25/98	3-s	130	8	33	7.3	0.1	0.5	0.3	0	site depth 16.8 turbidity 11
Tenkiller Lake	10/25/98	3-D		7.5		7.1	0.1	0.5	0.3	0	turbidity 15 site depth 16.8
Tenkiller Lake	06/24/98	1-S	167	8.75	30	9.05	0.1	1	0.7	0	site depth 33.2
Tenkiller Lake	06/24/98	1-S		7.25		4.1	0	2	3.2	0	site depth 33.2 turbidity 5
Tenkiller Lake	06/24/98	2-S	179	8.75	31	8.9				0	site depth 20.8
Tenkiller Lake	06/24/98	2-D		7.75		1.2				0	site depth 20.8

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Tenkiller Lake	06/24/98	3-S	142	8.75	14	10.2	0	0.5	2	0	Site depth 16.8
Tenkiller Lake	06/24/98	3-D		7.25		0.7				0	
Tenkiller Lake	06/24/98	4	78	8.75	30	11.8	0.3	0.75	2	0	site depth 6.4
Tenkiller Lake	06/24/98	4	78	8.75	30	11.8	0.3	0.75	2	0	site depth 6.4
Tenkiller Lake	06/24/98	5	104	8.75	6	11.9	0	0.5	0.7	0	site depth 6.8
											site depth 5.2
Tenkiller Lake	06/24/98	6	28	8.5	30	10.7	0.4	3	3.2	0	Excessive foam/film on water due to strong south wind. site depth 33.2
Tenkiller Lake	06/01/98	1-S	131	9	32	10.3	0	1		0	turbidity 10 site depth 33.2
Tenkiller Lake	06/01/98	1-S	131	9	32	10.3	0	1	0	0	turbidity 10 site depth 33.2
Tenkiller Lake	06/01/98	1-S	131	9	32	10.3	0	1		0	turbidity 10 site depth 33.2
Tenkiller Lake	05/01/98	1-D		7.75		5.4	0	2		0	turbidity <1 site depth 13
Tenkiller Lake	06/01/98	2-S	119	8.75	30	9.85				0	turbidity 15 site depth 13
Tenkiller Lake	06/01/98	2-D		7.5		4.7				0	turbidity 38 site depth 17
Tenkiller Lake	06/01/98	3S	132	7.75	30	11.25	0	2	5	0	turbidity 15

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Tenkiller Lake	06/01/98	3D		7.5		1.35		2		0	site depth 17 turbidity 22
Tenkiller Lake	06/01/98	4	107	9	30	12.7	0	0.25	2.5	0	site depth 6.5 turbidity 15
Tenkiller Lake	06/01/98	5	119	9	30	11.65				0	site depth 7 turbidity 18
Tenkiller Lake	06/01/98	6									No entry
Tenkiller Lake	03/25/98	1-S	85	7.5	27	10.05				0	Lake @ 643 (+ 11ft) Site depth 42.5 turbidity 12
Tenkiller Lake	03/25/98	1-D		7.75		9.9				0	site depth 42.8 turbidity 8
Tenkiller Lake	03/25/98	1-DD		7.75		9.8				0	site depth 42.8 turbidity 8
Tenkiller Lake	03/25/98	2-S	85	8	27	10.75				0	site depth 25.3 turbidity 14
Tenkiller Lake	03/25/98	3-S	43	7.75	37	9.1				0	site depth 17 turbidity 50
Tenkiller Lake	03/25/98	3D		7.5		9.35				0	site depth 17 turbidity 21

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Tenkiller Lake	03/25/98	4	39	7.5	27	9.3				0	site depth 12.1 turbidity 30
Tenkiller Lake	03/25/98	5	42	7.75	37	9.9				0	site depth 11.5 turbidity 28
Tenkiller Lake	04/22/98	1-S	156	8.75	30	10.3				0	site depth 40.8 turbidity 7
Tenkiller Lake	04/22/98	1-D		8.5		9.3				0	site depth 40.8 turbidity 5
Tenkiller Lake	04/22/98	2-S	157	8.5	30	10.35				0	site depth 20.8 turbidity 5
Tenkiller Lake	04/22/98	2-D		7.75		9				0	site depth 20.8 turbidity 5
Tenkiller Lake	04/22/98	3-S	132	8.5	30	10.9				0	site depth 17turbidity 15
Tenkiller Lake	04/22/98	3-D		7.75		7.3				0	site depth 17 turbidity 14
Tenkiller Lake	04/22/98	4	107	8.5	30	10				0	site depth 6.4 turbidity 15
Tenkiller Lake	04/22/98	5	102	8.5	31	10.65				0	site depth 6.8 turbidity 15
Tenkiller Lake	04/22/98	6	132	8	11	9.15				0	site depth 5.2 turbidity 15

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Tenkiller Lake	08/24/97	1-S	294	8.5	33	8.35				0	site depth 38.7 turbidity < 1.0
Tenkiller Lake	08/24/97	2-S	209	8.5	33	8.2				0	site depth 21.3 turbidity 13
Tenkiller Lake	08/24/97	2-D		7		0.6				0	site depth 21.5 turbidity 11
Tenkiller Lake	08/24/97	3-S	134	8.5	31	9.1				0	site depth 16.5 turbidity 10
Tenkiller Lake	08/24/97	3-D		7		0				0	site depth 16.9 turbidity 80 strong sulphur odor`
Tenkiller Lake	08/24/97	4	81	8.75	32	10.8				0	site depth 8.2 turbidity 18
Tenkiller Lake	08/24/97	5	77	8.5	43	9.6				0	site depth 6.2 turbidity 15
Tenkiller Lake	08/24/97	6	90	7.75	29	7.55				0	site depth 4.2 turbidity 16
Tenkiller Lake	07/26/97	1-S	236	8.75	31	9.05				0	site depth 39.4 turbidity -5
Tenkiller Lake	07/26/97	1-D		7.25		0.3				0	turbidity <5 site depth 39.4

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Tenkiller Lake	07/26/97	2-S	210	8.5	33	8.1				0	site depth 22.3
											site depth 22.3
Tenkiller Lake	07/26/97	2-D		7.25		0.55				0	turbidity 12
											site depth 16.8
Tenkiller Lake	07/26/97	3-S	171	8.75	31	8.4				0	turbidity 12
											site depth 18.1
Tenkiller Lake	07/26/97	3-D		7.25		0.45				0	turbidity 45
											site depth 8.2
Tenkiller Lake	07/26/97	4	100	9	30	10.35				0	turbidity 19
											site depth 6.1
Tenkiller Lake	07/26/97	5	98	9	43	9.75				0	turbidity 18
											site depth 4.2
Tenkiller Lake	07/26/97	6	86	8	30	8.05				0	turbidity 19
Tenkiller Lake	02/21/98	6	98	7.75	28	10.75				0	site depth 38
Tenkiller Lake	02/21/98	1-D		7.5		10.5				0	site depth 38
Tenkiller Lake	10/05/97	1-S	234	8	30	10.3				0	site depth 34
Tenkiller Lake	10/01/00	1	350	8.75	9		1.01	0.4	0.1	0	lake level----7ft below normal
Tenkiller Lake	10/01/00	2	208	8.5	9		3.3	0.3	0.1	0	
Tenkiller Lake	09/30/00	3	163	8.5	9		0.67	0.7	0.15	0	
Tenkiller Lake	09/30/00	4	105	9.7	23		2.43	1.3	0.17	0	See hydrolab sheet for DO
Tenkiller Lake	09/30/00	6	40	8.25	96		0.71	0.8	0.1	0	See hydrolab data sheet for DO
Tenkiller Lake	06/25/00	1	212	8.5			0.58	2	0.9	0	see hydrolab sheet for DO. Dup. For phosphate is .76, nitrate is 1.9, and ammonia is .1
Tenkiller Lake	06/25/00	2	166	8.75	30		0.62	1.6	0.08	0	See hydrolab sheet for DO. Dup. For phosphat is .62, nitrate is 1.6, and ammonia is .07.

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Tenkiller Lake	07/09/00	3	126	9	30		0.21	0.9	0.06	0	turbidity is 18, see hydrolab sheet for DO, dup. For phosphate is .41, nitrate is 1.3, ammonia is .07.
Tenkiller Lake	07/09/00	4	103	9.2	30		0.31	1.1	0.065	0	
Tenkiller Lake	07/09/00	6	70	7.51	30		0.44	1.85	0.07	0	
Tenkiller Lake	05/21/00	1	324	8.6	9		0.42	0.42	1.6	0	
Tenkiller Lake	05/21/00	2	248	8.75	23		0.33	1.6	1.08	0	
Tenkiller Lake	05/21/00	3	144	8.81	30		0.3	1.6	1.08	0	
Tenkiller Lake	05/21/00	4	111	8.9	30		0.3	1.2	0.9	0	
Tenkiller Lake	05/21/00	6	105	0.12	11		0.51	1.6	0.54	0	
Tenkiller Lake	03/20/00	1	424	9.07	9		0.06	0.8	0.1	0	
Tenkiller Lake	03/20/00	2	321	9.19	9		0.08	1.4	0.09	0	
Tenkiller Lake	03/20/00	3	154	9.2	14		0.06	1.4	0.1	0	
Tenkiller Lake	03/20/00	4	110	8.7	30		0.07	1.7	0.09	0	
Tenkiller Lake	03/20/00	6	229	8.25	4		0.14	1.2	0.15	0	
Tenkiller Lake	03/12/00	4	63	8	25	10				0	
Tenkiller Lake	03/12/00	5	57	8	37	9.85				0	
Tenkiller Lake	04/21/00	4	57	8.5	37	9.4				0	
Tenkiller Lake	04/21/00	5	52	8.5	12	9.8				0	
Tenkiller Lake	05/15/00	4	65	8	26	8.6				0	
Tenkiller Lake	05/15/00	5	58	7.75	28	9.2				0	
Tenkiller Lake	06/12/00	4	56	9	25	9.15				0	
Tenkiller Lake	06/12/00	5	58	8.75	27	10.5				0	
Tenkiller Lake	07/10/00	4	51	9	26	8.55				0	
Tenkiller Lake	07/10/00	5	46	9.5	25	10.2				0	
Tenkiller Lake	08/14/00	4	46	9	26	8.75				0	
Tenkiller Lake	08/14/00	4	46	9	26	8.75				0	
Tenkiller Lake	08/14/00	5	44	9	26	8				0	
Tenkiller Lake	09/17/00	4	42	8.25	37	8.4				0	

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Tenkiller Lake	09/17/00	5	38	8.5	37	7.95				0	0
Tenkiller Lake	10/17/00	4	44	8.25	38	8.5				0	0
Tenkiller Lake	10/17/00	5	33	8.5	38	8.45				0	
Tenkiller Lake	10/17/00	5	33	8.5	38	8.45				0	
Tenkiller Lake	11/17/00	4	46	7.75	25	9.85				0	0
Tenkiller Lake	11/17/00	5	49	7.75	25	9.7				0	
Tenkiller Lake	02/10/00	2	231	8.25	36	10				0	
Tenkiller Lake	03/12/00	2	221	8	93	9.43				2	
Tenkiller Lake	04/22/00	2	208	8.25	93	8.2	0.18	0.28	0.2	0	
Tenkiller Lake	05/25/00	2	228	8.25	93	7.8	0.16	0.15	0	0	All previous BCS should have been 93 or transparent Waer temp. at time taken was 23 degrees Last month should have been .18
Tenkiller Lake	07/12/00	2	138	8.75	92	6.25	0.19	0.08	0	0	Have been reading the phosphate wrong all along. No decimal point for any previous readings. No June report due to high water.
Tenkiller Lake	09/22/00	2	181	7.75	93	6.2	7	0	0	0	wide range ind. Thiosulfate starch ind. Mang sulfate are expired
Tenkiller Lake	09/14/01	1	359	8.58	9		0.14	2.8	0.04	0	Lake level 8 ft. below normal pool <monitor> See attached hydrolab data <monitor>
Tenkiller Lake	09/14/01	1								0	Lake level bellow normal pool <monitor>
Tenkiller Lake	09/14/01	2								0	
Tenkiller Lake	09/14/01	2	213	8.72	9		0.11	2.6	0.09	0	attached hydrodata <monitor>
Tenkiller Lake	09/14/01	2									
Tenkiller Lake	09/14/01	3									
Tenkiller Lake	09/14/01	3	138	8.95	34		0.05	2	0.19	0	attached hydrolab <monitor>
Tenkiller Lake	09/14/01	4	86	9.21	14		0.1	2.2	0.02	0	
Tenkiller Lake	09/14/01	4									SEE ATTACHED HYDRO DATA <monitor>

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Tenkiller Lake	07/17/01	4	52	8.25	25	5.9	0.32	0.02	0	0	
Tenkiller Lake	07/17/01	5	48	8.25	37	6.8	0.1	0.015	0	0	
Tenkiller Lake	05/22/01	4	36	7.75	37	6.3	0.2	0.28	0	0	
Tenkiller Lake	05/22/01	5	44	8	38	6.1	1	0.2	0	0	
Tenkiller Lake	04/18/01	4	64	8.75	39	8.7				0	
Tenkiller Lake	04/18/01	5	81	8.75	39	10.3				0	
Tenkiller Lake	09/14/01	3									units for chlorophyll & pheophytin on mg/m3
Tenkiller Lake	09/14/01	4									filtered 1 liter <Karina>
Tenkiller Lake	12/07/01	1	223		9		0.08	1.1	0.1	0	monitors attached hydrolab data <Karina> turbidity 10 Lake level 6 ft below normal <monitor> * MONITOR USES NITRI VER 5 TO RUN TEST! Lot nbr: A9253 <Karina>
Tenkiller Lake	12/07/01	2	231				0.03	1.85	0.075	0	turbidity 8 <monitor> MONITOR USES NITRI VER 5 TO RUN TEST!! Lot nbr: A9253 <Karina>
Tenkiller Lake	12/07/01	3	188				0.04	1	0.1	0	turbidity 10 <monitor> NITRI VER 5 USED TO RUN TESTS!! <Karina>
Tenkiller Lake	12/07/01	4	99		9		0.11	1.9	0.075	0	NITRI VER 5 USED TO RUN TESTS <Karina>
Tenkiller Lake	05/11/02	2	63	8.36	33	10.1	0.03	2.1	0.09	0	monitor uses NitriVer 5
Tenkiller Lake	05/11/02	3	47	8.49		10.1	0.54	1.3	0.12	0	
Tenkiller Lake	05/11/02	5	31	8.21	14	9.99	0.12	2.9	0.07	0	monitor uses NV5

Lake/Stream Name	Date	Site	Secchi Disk Depth (cm)	pH (su)	Water Color (BCS)	Average DO (mg/L)	Phosphate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Aquatic Macrophytes	Comments
Tenkiller Lake	05/11/02	6	54	7.63	4	9.15	0.14	1.9	0.09	0	NV 5 to perform tests
Tenkiller Lake	07/18/02	1	212	8.9	23	7.55	0.02	0.5	0.03	0	N V 5 to perform tests
Tenkiller Lake	07/18/02	2	194	8.99	33	7.71	0.01	0.7	0.03	0	N V 5 to perform tests
Tenkiller Lake	07/18/02	3	126	9.07	23	8.11	0.023	0.5	0.07	0	N V 5 to perform tests
Tenkiller Lake	07/18/02	4	95	9.06	33	9.8	0.028	0.7	0.06	0	N V 5 to perform tests
Tenkiller Lake	07/18/02	6	127	8.09	14	8.01	0.147	1.5	0.06	0	N V 5 to perform tests
Waurika Lake	11/15/99	3	50	8.25	39	7.7	0	0.1	0.05	1	
Waurika Lake	11/15/99	1	52	8.5	39	7.8	0	0.1	0	1	
Waurika Lake	04/17/00	1	42	8.5	48	9.35	0.01	0.01		1	
Waurika Lake	04/17/00	3	38	8.25	58	9.5	0.1	0	0	1	
Waurika Lake	01/14/00	1	40	8.5	39	8.7	0.1	0.06	0	1	
Waurika Lake	01/14/00	3	34	8.25	48	9.4	0.1	0.01	0	1	0
Waurika Lake	09/16/99	1	38	8.5	48	6.5	0	0.1	0.15	1	
Waurika Lake	09/16/99	3	36	8.75	48	6.7	0	0.25	0.2	1	
Waurika Lake	10/19/99	1	46	8.25	42	6.5	0	0.1	0.1	1	
Waurika Lake	10/19/99	3	36	7.75	46	7	0	0.1	0.2	1	
Waurika Lake	12/13/99	1	37	8	58	8.5	0	0.04	0	1	
Waurika Lake	12/13/99	3	34	7.75	48	9.25	0	0.01	0	1	
Waurika Lake	11/16/00	1	36	7.75	36	7.4	0	0.05	0	1	
Waurika Lake	11/16/00	3	30	8	46	7.5	0	0.025	0.05	1	
Waurika Lake	01/16/01	1	40	8.25	48	9.4	0	0	0.1	1	
Waurika Lake	01/16/01	3	30	7.5	51	9.55	0	0.15	0	1	
Waurika Lake	03/16/01	3	28	7.75	54	9.4	0	0.1	0	1	
Waurika Lake	03/16/01	1	32	8	51	9.1	0	0	0.1	1	

Chlorophyll-A Data

Lab #	Date Collected	Lake	Site	Chlor A	Pheophytin
Grand Lake Association					
3059	05/31/99	Grand	I-63	18.44	3.67
3060	06/04/99	Grand	I-63	34.45	5.11
	08/01/00	Grand	I-63	18.90	7.30
	05/17/01	Grand	I-63	7.30	28.80
	09/27/01	Grand	I-63	20.33	9.66
1886	08/03/98	Grand	I-64	29.85	16.30
	07/02/01	Grand	I-64	9.50	23.20
	09/27/01	Grand	I-64	28.79	11.16
	06/14/02	Grand	I-64	35.21	5.76
	07/19/02	Grand	I-64	34.48	11.57
1885	07/29/98	Grand	I-67	26.77	19.36
	08/01/00	Grand	I-67	34.30	7.40
	05/17/01	Grand	I-67	12.60	8.10
	09/27/01	Grand	I-67	20.48	8.76
	05/17/01	Grand	I-68	6.90	7.20
	07/01/00	Grand	I-69	13.78	4.00
	07/01/00	Grand	I-69	5.50	2.00
	06/19/01	Grand	I-73	18.80	11.70
	09/27/01	Grand	I-73	15.76	4.71
	04/01/02	Grand	I-73	15.06	4.12
Greater Tenkiller Lake Association					
	10/23/98	Tenkiller	1		
3061	10/25/98	Tenkiller	1	4.62	<0.1
3062	03/30/99	Tenkiller	1	3.83	
3065	05/23/99	Tenkiller	1	10.38	6.37
3582	12/29/99	Tenkiller	1	3.26	0.13
	03/20/00	Tenkiller	1	3.26	0.13
	03/22/00	Tenkiller	1	8.20	1.13
3957	05/21/00	Tenkiller	1	4.02	5.43
	05/21/00	Tenkiller	1	2.18	0.41
	05/01/98	Tenkiller	1-D	2.71	1.53
	10/25/98	Tenkiller	1-D	14.46	9.18
	11/27/98	Tenkiller	1-D	6.57	2.67

Lab #	Date Collected	Lake	Site	Chlor A	Pheophytin
3063	10/25/98	Tenkiller	3	6.86	<0.1
3583	12/29/99	Tenkiller	3	8.20	1.13
3958	05/21/00	Tenkiller	3	15.04	9.49
	09/14/01	Tenkiller	3	19.47	4.52
	07/26/97	Tenkiller	3-S	15.04	9.49
	08/24/97	Tenkiller	3-S	25.41	10.00
	06/01/98	Tenkiller	3S	4.02	5.43
	09/14/01	Tenkiller	4	38.94	9.95
	05/21/00	Tenkiller	6	19.47	4.52
	07/09/00	Tenkiller	6	38.94	9.95

Lake Profiling

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
				MMDDYY	MMDDYY	meters	Sat	mg/l	Units	æS/cm	ppt	mV	g/l	
2	16	Delaware	GLA	08/11/00		0								
2	16	Delaware	GLA	08/11/00		1								
2	16	Delaware	GLA	08/11/00		2								
2	16	Delaware	GLA	08/11/00		3								
2	16	Delaware	GLA	08/11/00		4								
2	16	Delaware	GLA	08/11/00		5								
GLA-2	A11	Delaware	GLA	04/26/01	04/17/01	0		12.35	9.13			294		
GLA-2	A11	Delaware	GLA	04/26/01		1		11.62	9.13			294		
GLA-2	A11	Delaware	GLA	04/26/01		2		9.91	8.86			301		
GLA-2	A11	Delaware	GLA	04/26/01		3		8.83	8.64			3.6		
GLA-2	A11	Delaware	GLA	04/26/01		4		7.66	8.42			311		
GLA-2	A11	Delaware	GLA	04/26/01		5		7.22	8.36			313		
GLA-2	A11	Delaware	GLA	04/26/01		6		6.62	8.29			315		
GLA-2	A11	Delaware	GLA	04/26/01		7		6.45	8.23			316		
GLA-2	A11	Delaware	GLA	04/26/01		8		5.26	8.11			319		
GLA-2	I-62	Delaware	GLA	07/13/00	05/13/00	0		9.5	10.25	205				
GLA-2	I-62	Delaware	GLA	07/13/00		1		9.56	10.31	206				
GLA-2	I-62	Delaware	GLA	07/13/00		2		8.21	10.20	210				
GLA-2	I-62	Delaware	GLA	07/13/00		3		6.46	9.99	212				
GLA-2	I-62	Delaware	GLA	07/13/00		4		5.27	9.68	220				
GLA-2	I-62	Delaware	GLA	07/13/00		5		4.2	9.29	224				
GLA-2	I-62	Delaware	GLA	07/13/00		6		3.5	8.94	240				
GLA-2	I-62	Delaware	GLA	07/13/00		7		3.58	8.81	262				
GLA-2	I-62	Delaware	GLA	07/13/00		8		2.5	8.72	269				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
GLA-2	I-62	Delaware	GLA	08/11/00	05/13/00	0		8.49	9.04	199				
GLA-2	I-62	Delaware	GLA	08/11/00		1		6.21	8.83	211				
GLA-2	I-62	Delaware	GLA	08/11/00		2		3.56	8.38	220				
GLA-2	I-62	Delaware	GLA	08/11/00		3		2.7	8.19	223				
GLA-2	I-62	Delaware	GLA	08/11/00		4		1.98	8.11	228				
GLA-2	I-62	Delaware	GLA	08/11/00		5		1.08	7.97	232				
GLA-2	I-62	Delaware	GLA	08/11/00		6		0.89	7.95	236				
GLA-2	I-62	Delaware	GLA	08/11/00		7		0.12	7.82	259				
GLA-2	I-62	Delaware	GLA	09/14/00	5/13/2000	0		7.25	9.18	228				
GLA-2	I-62	Delaware	GLA	09/14/00		1		6.29	9.07	230				
GLA-2	I-62	Delaware	GLA	09/14/00		2		5.83	9.01	232				
GLA-2	I-62	Delaware	GLA	09/14/00		3		4.85	8.85	234				
GLA-2	I-62	Delaware	GLA	09/14/00		4		3.76	8.59	237				
GLA-2	I-62	Delaware	GLA	09/14/00		5		2.33	8.24	238				
GLA-1	I-62	Delwarare	GLA	05/24/01		3		7.05	8.22	0.301		363		
GLA-1	I-62	Delwarare	GLA	05/24/01		4		7.06	8.21	302		364		
GLA-1	I-62	Delwarare	GLA	05/24/01		5		6.86	8.21	302		364		
GLA-1	I-62	Delwarare	GLA	05/24/01		6		6.82	8.21	302		363		
GLA-1	I-62	Delwarare	GLA	05/24/01		7		6.76	8.20	303		363		
GLA-1	I-62	Delwarare	GLA	05/24/01		8		6.78	8.21	302		363		
GLA-1	I-62	Delwarare	GLA	05/24/01										
GLA-1	I-62	Delaware	GLA	06/28/01	05/15/01	0		9.71	8.30	0.211		347		
GLA-1	I-62	Delaware	GLA	06/28/01		1		9.46	8.22	0.213		347		
GLA-1	I-62	Delaware	GLA	06/28/01		2		8.4	7.93	0.216		352		
GLA-1	I-62	Delaware	GLA	06/28/01		3		7.86	7.80	0.215		354		
GLA-1	I-62	Delaware	GLA	06/28/01		4		4.87	7.52	0.238		357		
GLA-1	I-62	Delaware	GLA	06/28/01		5		2.04	7.31	0.279		355		
GLA-1	I-62	Delaware	GLA	06/28/01		6		0.23	7.24	0.277		356		

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
GLA-1	I-62	Delaware	GLA	07/26/01	05/15/01	0		6.85	8.37	0.237		331		
GLA-1	I-62	Delaware	GLA	07/26/01		1		6.81	8.36	0.239		333		
GLA-1	I-62	Delaware	GLA	07/26/01		2		6.69	8.30	0.24		342		
GLA-1	I-62	Delaware	GLA	07/26/01		3		6.49	8.25	0.241		343		
GLA-1	I-62	Delaware	GLA	07/26/01		4		3.44	7.64	0.251		353		
GLA-1	I-62	Delaware	GLA	07/26/01		5		3.33	7.37	0.257		357		
GLA-1	I-62	Delaware	GLA	07/26/01		6		0.19	7.30	0.258		356		
GLA-1	I-62	Delaware	GLA	07/26/01		7		0.17	7.28	0.26		309		
GLA-2	I-63	Delaware	GLA	08/01/00	07/21/00	0		10.39	9.10	249				out of hydrolab cable. Depth is @ 15.6 meters
GLA-2	I-63	Delaware	GLA	08/01/00		1		10.51	9.17	249				
GLA-2	I-63	Delaware	GLA	08/01/00		2		9.07	8.99	252				
GLA-2	I-63	Delaware	GLA	08/01/00		3		6.21	8.48	255				
GLA-2	I-63	Delaware	GLA	08/01/00		4		4.42	8.16	257				
GLA-2	I-63	Delaware	GLA	08/01/00		5		3.93	8.02	254				
GLA-2	I-63	Delaware	GLA	08/01/00		6		3.78	7.98	253				
GLA-2	I-63	Delaware	GLA	08/01/00		7		2.53	7.81	253				
GLA-2	I-63	Delaware	GLA	08/01/00		8		2.05	7.74	253				
GLA-2	I-63	Delaware	GLA	08/01/00		9		0.08	7.54	239				
GLA-2	I-63	Delaware	GLA	08/01/00		10		0.08	7.48	230				
GLA-2	I-63	Delaware	GLA	08/01/00		11		0.04	7.45	230				
GLA-2	I-63	Delaware	GLA	08/01/00		12		0.04	7.44	230				
GLA-2	I-63	Delaware	GLA	08/01/00		13		0.03	7.46	233				
GLA-2	I-63	Delaware	GLA	08/01/00		14		0.03	7.43	299				
GLA-2	I-63	Delaware	GLA	08/01/00		15		0.03	7.49	248				
GLA-2	I-63	Delaware	GLA	10/19/00		0		10.69	8.84	262				
GLA-2	I-63	Delaware	GLA	10/19/00		1		10.44	8.82	266				
GLA-2	I-63	Delaware	GLA	10/19/00		2		9.19	8.59	266				
GLA-2	I-63	Delaware	GLA	10/19/00		3		7.86	8.22	268				
GLA-2	I-63	Delaware	GLA	10/19/00		4		7.34	8.17	268				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
GLA-2	I-63	Delaware	GLA	10/19/00		5		7.11	8.13	269				
GLA-2	I-63	Delaware	GLA	10/19/00		6		7.03	8.12	270				
GLA-2	I-63	Delaware	GLA	10/19/00		7		6.96	8.09	272				
GLA-2	I-63	Delaware	GLA	10/19/00		8		6.61	8.03	273				
GLA-2	I-63	Delaware	GLA	10/19/00		9		6.41	8.00	278				
GLA-2	I-63	Delaware	GLA	10/19/00		10		5.65	7.91	281				
GLA-2	I-63	Delaware	GLA	10/19/00		11		5.62	7.90	286				
GLA-2	I-63	Delaware	GLA	10/19/00		12		5.56	7.89	303				
GLA-2	I-63	Delaware	GLA	10/19/00		13		3.34	7.71	312				
GLA-2	I-63	Delaware	GLA	10/19/00		14		2.64	7.69	313				
GLA-2	I-63	Delaware	GLA	10/19/00		15		2.22	7.66	315				
GLA-2	I-63	Delaware	GLA	10/19/00		16		2.15	7.65	314				
						1								
GLA-2	I-63	Delaware	GLA	04/24/01	08/15/01	0		4.9	8.35	0.271		340		
GLA-2	I-63	Delaware	GLA	04/24/01		1		4.75	8.39	0.271		340		
GLA-2	I-63	Delaware	GLA	04/24/01		2		4.66	8.38	0.271		341		
GLA-2	I-63	Delaware	GLA	04/24/01		3		4.66	8.37	0.271		342		
GLA-2	I-63	Delaware	GLA	04/24/01		4		4.56	8.35	0.272		341		
GLA-2	I-63	Delaware	GLA	04/24/01		5		4.5	8.34	0.272		343		
GLA-2	I-63	Delaware	GLA	04/24/01		6		4.22	8.28	0.273		344		
GLA-2	I-63	Delaware	GLA	04/24/01		7		4.07	8.23	0.272		344		
GLA-2	I-63	Delaware	GLA	04/24/01		8		3.97	8.21	0.272		344		
GLA-2	I-63	Delaware	GLA	04/24/01		9		3.92	8.21	0.272		343		
GLA-2	I-63	Delaware	GLA	04/24/01		10		3.53	8.13	0.273		343		
GLA-2	I-63	Delaware	GLA	04/24/01		10.5		3.3	8.10	0.273		243		
GLA-1	I-63	Delaware	GLA	05/17/01		1		8.34	8.35	0.329				
GLA-1	I-63	Delaware	GLA	05/17/01		2		7.9	8.34	0.329				
GLA-1	I-63	Delaware	GLA	05/17/01		3		7.8	8.33	0.339				
GLA-1	I-63	Delaware	GLA	05/17/01		4		7.75	8.33	344				
GLA-1	I-63	Delaware	GLA	05/17/01		5		6.56	8.10	352				
GLA-1	I-63	Delaware	GLA	05/17/01		6		5.36	7.87	352				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
GLA-1	I-63	Delaware	GLA	05/17/01		7		4.77	7.75	352				
GLA-1	I-63	Delaware	GLA	05/17/01		8		4.29	7.67	350				
GLA-1	I-63	Delaware	GLA	05/17/01		9		3.9	7.62	348				
GLA-1	I-63	Delaware	GLA	06/26/01	06/16/01	0								
GLA-1	I-63	Delaware	GLA	06/26/01		1		6.87	9.67	0.289		353		
GLA-1	I-63	Delaware	GLA	06/26/01		2		6.9	9.54	0.291		359		
GLA-1	I-63	Delaware	GLA	06/26/01		3		6.04	9.26	0.286		363		
GLA-1	I-63	Delaware	GLA	06/26/01		4		4.56	8.52	0.234		387		
GLA-1	I-63	Delaware	GLA	06/26/01		5		3.3	8.15	0.216		396		
GLA-1	I-63	Delaware	GLA	06/26/01		6		3.02	8.05	0.203		398		
GLA-1	I-63	Delaware	GLA	06/26/01		7		2.6	7.99	0.2		401		
GLA-1	I-63	Delaware	GLA	06/26/01		8		2.26	7.96	0.201		402		
GLA-1	I-63	Delaware	GLA	06/26/01		9		1.88	7.94	0.205		403		
GLA-1	I-63	Delaware	GLA	06/26/01		10		0.39	7.98	0.429		181		
GLA-1	I-63	Delaware	GLA	07/31/01	07/19/01	0		7.47	8.69	0.251		366		
GLA-1	I-63	Delaware	GLA	07/31/01		1		7.36	8.72	0.251		368		
GLA-1	I-63	Delaware	GLA	07/31/01		2		7.41	8.73	0.252		370		
GLA-1	I-63	Delaware	GLA	07/31/01		3		7.08	8.70	0.254		371		
GLA-1	I-63	Delaware	GLA	07/31/01		4		6.95	8.67	0.255		372		
GLA-1	I-63	Delaware	GLA	07/31/01		5		6.81	8.64	0.256		373		
GLA-1	I-63	Delaware	GLA	07/31/01		6		0.79	7.42	0.291		386		
GLA-1	I-63	Delaware	GLA	07/31/01		7		1.43	7.46	0.265		383		
GLA-1	I-63	Delaware	GLA	07/31/01		8		0.14	7.32	289		380		
GLA-1	I-63	Delaware	GLA	07/31/01		9		0.06	7.26	274		375		
GLA-1	I-63	Delaware	GLA	07/31/01		10		0.06	7.21	268		273		
GLA-2	I-63	Delaware	GLA	09/27/01	09/20/01	0		6.62	8.50	302		259		
GLA-2	I-63	Delaware	GLA	09/27/01		1		6.02	8.50	302		261		
GLA-2	I-63	Delaware	GLA	09/27/01		2		5.1	8.36	302		265		

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
GLA-2	I-63	Delaware	GLA	09/27/01		3		4.72	8.31	302		266		
GLA-2	I-63	Delaware	GLA	09/27/01		4		4.94	8.35	303		266		
GLA-2	I-63	Delaware	GLA	09/27/01		5		5.46	8.34	312		265		
GLA-2	I-63	Delaware	GLA	09/27/01		6		4.83	8.32	305		267		
GLA-2	I-63	Delaware	GLA	09/27/01		7		4.65	8.31	304		267		
GLA-2	I-63	Delaware	GLA	09/27/01		8		4.61	8.31	303		267		
GLA-2	I-63	Delaware	GLA	09/27/01		9		4.44	8.29	303		268		
GLA-2	I-63	Delaware	GLA	09/27/01		10		4.3	8.28	303		256		
GLA-2	I-63	Delaware	GLA	06/05/02		0		7.57	7.58	0.238		296		
GLA-2	I-63	Delaware	GLA	06/05/02		1		8.02	8.02	0.218		298		
GLA-2	I-63	Delaware	GLA	06/05/02		2		7.89	7.99	0.218		299		
GLA-2	I-63	Delaware	GLA	06/05/02		3		7.72	7.90	0.216		299		
GLA-2	I-63	Delaware	GLA	06/05/02		4		7.33	7.86	0.216		301		
GLA-2	I-63	Delaware	GLA	06/05/02		5		5.8	7.74	0.212		306		
GLA-2	I-63	Delaware	GLA	06/05/02		6		4.51	7.61	0.208		310		
GLA-2	I-63	Delaware	GLA	06/05/02		7		3.29	7.47	0.207		314		
GLA-2	I-63	Delaware	GLA	06/05/02		8		2.93	7.37	0.207		315		
GLA-2	I-63	Delaware	GLA	06/05/02		9		2.3	7.32	0.211		316		
GLA-2	I-63	Delaware	GLA	06/05/02		10		2.11	7.29	0.213		315		
GLA-2	I-63	Delaware	GLA	06/05/02		11		2.07	7.27	0.213		315		
GLA-2	I-64	Delaware	GLA	08/06/01	07/19/01	surface		1.08	10.21	0.243				
GLA-2	I-64	Delaware	GLA	08/06/01		1		1.08	10.14	0.243				
GLA-2	I-64	Delaware	GLA	08/06/01		2		1.05	10.02	0.249				
GLA-2	I-64	Delaware	GLA	08/06/01		3		0.9	9.51	0.248				
GLA-2	I-64	Delaware	GLA	08/06/01		4		0.49	9.16	0.247				
GLA-2	I-64	Delaware	GLA	08/06/01		5		0.26	9.09	0.249				
GLA-2	I-64	Delaware	GLA	08/06/01		6		0.18	9.04	0.253				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
GLA-2	I-64	Delaware	GLA	09/04/01	08/15/01	0		6.58	8.96	0.28				
GLA-2	I-64	Delaware	GLA	09/04/01		1		5.56	8.74	0.278				
GLA-2	I-64	Delaware	GLA	09/04/01		2		4	8.40	0.284				
GLA-2	I-64	Delaware	GLA	09/04/01		3		2.68	8.17	0.28				
GLA-2	I-64	Delaware	GLA	09/04/01		4		0.57	7.93	0.276				
GLA-2	I-64	Delaware	GLA	09/04/01		5		0.16	7.88	0.277				
GLA-2	I-64	Delaware	GLA	04/01/02	02/20/02	0		14.73	8.76	0.313				
GLA-2	I-64	Delaware	GLA	04/01/02		1		14.59	8.76	0.313				
GLA-2	I-64	Delaware	GLA	04/01/02		2		14.35	8.75	0.314				
GLA-2	I-64	Delaware	GLA	04/01/02		3		14.35	8.76	0.314				
GLA-2	I-64	Delaware	GLA	04/01/02		4		14.07	8.75	0.314				
GLA-2	I-64	Delaware	GLA	04/01/02		5		14.08	8.74	0.315				
GLA-2	I-64	Delaware	GLA	05/07/02	04/20/02	0		9.41	8.80	0.324				
GLA-2	I-64	Delaware	GLA	05/07/02		1		9.1	8.84	0.325				
GLA-2	I-64	Delaware	GLA	05/07/02		2		8.84	8.82	0.326				
GLA-2	I-64	Delaware	GLA	05/07/02		3		7.93	8.72	0.327				
GLA-2	I-64	Delaware	GLA	05/07/02		4		6.99	8.55	0.328				
GLA-2	I-64	Delaware	GLA	05/07/02		5		7.22	8.59	0.33				
GLA-2	I-64	Delaware	GLA	05/07/02		6								
GLA-2	I-65	Delaware	GLA	04/10/02	03/25/02	0.8		8.75	6.91	0.382		57		
GLA-2	I-65	Delaware	GLA	04/10/02		1.9		7.96	7.92	0.382		151		
GLA-2	I-65	Delaware	GLA	04/10/02		2.8		7.57	8.25	0.382		250		
GLA-2	I-65	Delaware	GLA	04/10/02		2.9		7.31	8.44	0.382		347		

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
GLA-2	I-66	Ottawa	GLA	04/10/02	03/25/02	0.9		8.55	7.65	0.373		113		
GLA-2	I-66	Ottawa	GLA	04/10/02		1.9		8.2	8.16	0.373		159		
GLA-2	I-66	Ottawa	GLA	04/10/02		2.7		7.86	8.40	0.375		246		
GLA-2	I-67	Delaware	GLA	08/01/00	07/21/00	0		9.93	9.12	236				
GLA-2	I-67	Delaware	GLA	08/01/00		1		10.02	9.19	236				
GLA-2	I-67	Delaware	GLA	08/01/00		2		6.72	8.65	251				
GLA-2	I-67	Delaware	GLA	08/01/00		3		5.78	8.41	256				
GLA-2	I-67	Delaware	GLA	08/01/00		4		5.42	8.35	259				
GLA-2	I-67	Delaware	GLA	08/01/00		5		4.4	8.13	260				
GLA-2	I-67	Delaware	GLA	08/01/00		6		2.65	7.87	257				
GLA-2	I-67	Delaware	GLA	08/01/00		7		1.04	7.70	252				
GLA-2	I-67	Delaware	GLA	08/01/00		8		0.12	7.62	249				
GLA-2	I-67	Delaware	GLA	10/19/00		0		12.66	8.62	270				
GLA-2	I-67	Delaware	GLA	10/19/00		1		16.58	8.73	271				
GLA-2	I-67	Delaware	GLA	10/19/00		2		9.1	8.40	274				
GLA-2	I-67	Delaware	GLA	10/19/00		3		8.31	8.28	275				
GLA-2	I-67	Delaware	GLA	10/19/00		4		6.81	8.03	274				
GLA-2	I-67	Delaware	GLA	10/19/00		5		6.13	7.96	274				
GLA-2	I-67	Delaware	GLA	10/19/00		6		5.69	7.91	274				
GLA-2	I-67	Delaware	GLA	10/19/00		7		5.41	7.88	275				
GLA-1	I-67	Delaware	GLA	05/17/01		2		7.56	8.27	358				
GLA-1	I-67	Delaware	GLA	05/17/01		3		7.2	8.21	355				
GLA-1	I-67	Delaware	GLA	05/17/01		4		6.74	8.11	360				
GLA-1	I-67	Delaware	GLA	05/17/01		5		5.22	7.87	381				
GLA-1	I-67	Delaware	GLA	05/17/01		6		4.48	7.74	380				
GLA-1	I-67	Delaware	GLA	05/17/01		7		4.41	7.73	369				
GLA-1	I-67	Delaware	GLA	05/17/01		8		2.04	7.42	343				
GLA-1	I-67	Delaware	GLA	05/17/01		9		1.38	7.34	350				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
GLA-1	I-67	Delaware	GLA	05/17/01		10		0.91	7.32	352				
GLA-1	I-67	Delaware	GLA	06/26/01	06/16/01	0								
GLA-1	I-67	Delaware	GLA	06/26/01		1		9.35	9.62	0.263		293		
GLA-1	I-67	Delaware	GLA	06/26/01		2		8.94	9.56	0.264		298		
GLA-1	I-67	Delaware	GLA	06/26/01		3		7.52	9.31	0.262		308		
GLA-1	I-67	Delaware	GLA	06/26/01		4		3.17	8.39	0.263		329		
GLA-1	I-67	Delaware	GLA	06/26/01		5		1.52	8.10	0.258		335		
GLA-1	I-67	Delaware	GLA	06/26/01		6		1.86	8.02	0.233		337		
GLA-1	I-67	Delaware	GLA	06/26/01		7		1.95	7.93	0.208		342		
GLA-1	I-67	Delaware	GLA	06/26/01		8		2.24	7.92	0.199		345		
GLA-1	I-67	Delaware	GLA	06/26/01		9		1.01	7.87	0.202		347		
GLA-1	I-67	Delaware	GLA	06/26/01		10		0.7	7.80	0.549		89		
GLA-1	I-67	Delaware	GLA	07/31/01	07/19/01	0		7.05	8.54	0.263		361		
GLA-1	I-67	Delaware	GLA	07/31/01		1		7.07	8.55	0.267		364		
GLA-1	I-67	Delaware	GLA	07/31/01		2		6.92	8.53	0.27		366		
GLA-1	I-67	Delaware	GLA	07/31/01		3		6.21	8.37	0.279		369		
GLA-1	I-67	Delaware	GLA	07/31/01		4		5.98	8.27	0.282		370		
GLA-1	I-67	Delaware	GLA	07/31/01		5		5.11	8.17	0.283		373		
GLA-1	I-67	Delaware	GLA	07/31/01		6		2.36	7.57	0.282		378		
GLA-1	I-67	Delaware	GLA	07/31/01		7		0.23	7.31	0.275		380		
GLA-1	I-67	Delaware	GLA	07/31/01		8		0.06	7.24	0.272		295		
GLA-1	I-67	Delaware	GLA	07/31/01		9		0.05	7.22	0.269		209		
GLA-1	I-67	Delaware	GLA	07/31/01										
GLA-2	I-67	Delaware	GLA	08/24/01		1		4.5	8.20	0.271		330		
GLA-2	I-67	Delaware	GLA	08/24/01		2		4.29	8.17	0.27		332		
GLA-2	I-67	Delaware	GLA	08/24/01		3		4.09	8.14	0.27		333		
GLA-2	I-67	Delaware	GLA	08/24/01		4		4.03	8.13	0.271		334		
GLA-2	I-67	Delaware	GLA	08/24/01		5		3.89	8.14	0.271		334		

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
GLA-2	I-67	Delaware	GLA	08/24/01		6		3.84	8.14	0.271		334		
GLA-2	I-67	Delaware	GLA	08/24/01		7		3.83	8.14	0.271		334		
GLA-2	I-67	Delaware	GLA	08/24/01		8		3.79	8.11	0.271		334		
GLA-2	I-67	Delaware	GLA	08/24/01		9		3.75	8.09	0.271		319		
GLA-2	I-67	Delaware	GLA	09/27/01	09/20/01	0		6.94	8.67	315		247		
GLA-2	I-67	Delaware	GLA	09/27/01		1		5.74	8.49	316		252		
GLA-2	I-67	Delaware	GLA	09/27/01		2		5.08	8.38	316		256		
GLA-2	I-67	Delaware	GLA	09/27/01		3		5.09	8.38	315		257		
GLA-2	I-67	Delaware	GLA	09/27/01		4		5.12	8.39	314		257		
GLA-2	I-67	Delaware	GLA	09/27/01		5		5.05	8.38	314		258		
GLA-2	I-67	Delaware	GLA	09/27/01		6		4.91	8.37	315		259		
GLA-2	I-67	Delaware	GLA	09/27/01		7		4.85	8.36	315		259		
GLA-2	I-67	Delaware	GLA	09/27/01		8		4.87	8.37	315		259		
GLA-2	I-67	Delaware	GLA	09/27/01		9		4.74	8.33	316		231		
GLA-2	I-68	Mayes	GLA	07/01/00	05/13/00	0		6.33	9.09	287				The cable on the hydrolab limits us to 14 meters. Sonar readings record a depth of 112' (34.146 meters) <MONITOR>
GLA-2	I-68	Mayes	GLA	07/01/00		1		6.15	9.16	287				
GLA-2	I-68	Mayes	GLA	07/01/00		2		5.87	9.15	289				
GLA-2	I-68	Mayes	GLA	07/01/00		3		5.8	9.12	289				
GLA-2	I-68	Mayes	GLA	07/01/00		4		5.54	9.05	289				
GLA-2	I-68	Mayes	GLA	07/01/00		5		4.13	8.81	290				
GLA-2	I-68	Mayes	GLA	07/01/00		6		3.02	8.66	290				
GLA-2	I-68	Mayes	GLA	07/01/00		7		2.98	8.61	291				
GLA-2	I-68	Mayes	GLA	07/01/00		8		2.47	8.55	290				
GLA-2	I-68	Mayes	GLA	07/01/00		9		2.17	8.49	283				
GLA-2	I-68	Mayes	GLA	07/01/00		10		2.07	8.43	270				
GLA-2	I-68	Mayes	GLA	07/01/00		11		2.04	8.40	265				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
GLA-2	I-68	Mayes	GLA	07/01/00		12		1.89	8.37	262				
GLA-2	I-68	Mayes	GLA	07/01/00		13		1.83	8.32	247				
GLA-2	I-68	Mayes	GLA	07/01/00		14		1.45	8.32	262				
GLA-2	I-68	Mayes	GLA	08/05/00	07/21/00	0								
														The DO readings are not correct. After talking to James and hydrolab we believe that he forgot to remove the protective sleeve from the DO probe before doing testing. <CLIFF YOUNGER>
GLA-2	I-68	Mayes	GLA	08/05/00		1		2.21	8.06	256				
GLA-2	I-68	Mayes	GLA	08/05/00		2		1.27	7.97	257				
GLA-2	I-68	Mayes	GLA	08/05/00		3		0.99	7.94	258				
GLA-2	I-68	Mayes	GLA	08/05/00		4		0.96	7.92	258				
GLA-2	I-68	Mayes	GLA	08/05/00		5		0.57	7.89	258				
GLA-2	I-68	Mayes	GLA	08/05/00		6		0.15	7.87	260				
GLA-2	I-68	Mayes	GLA	08/05/00		7		0.06	7.82	258				
GLA-2	I-68	Mayes	GLA	08/05/00		8		0.06	7.80	258				
GLA-2	I-68	Mayes	GLA	08/05/00		9		0.06	7.77	256				
GLA-2	I-68	Mayes	GLA	08/05/00		10		0.05	7.74	255				
GLA-2	I-68	Mayes	GLA	08/05/00		11		0.05	7.73	256				
GLA-2	I-68	Mayes	GLA	08/05/00		12		0.05	7.79	262				
GLA-2	I-68	Mayes	GLA	08/05/00		13		0.09	7.74	258				
GLA-2	I-68	Mayes	GLA	09/04/00	08/28/00	0		8.53	8.69	243				
GLA-2	I-68	Mayes	GLA	09/04/00		1		8.42	8.72	243				
GLA-2	I-68	Mayes	GLA	09/04/00		2		8.14	8.72	243				
GLA-2	I-68	Mayes	GLA	09/04/00		3		8.33	8.73	243				
GLA-2	I-68	Mayes	GLA	09/04/00		4		8.1	8.70	244				
GLA-2	I-68	Mayes	GLA	09/04/00		5		7.84	8.65	244				
GLA-2	I-68	Mayes	GLA	09/04/00		6		6.01	8.32	245				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
GLA-2	I-68	Mayes	GLA	09/04/00		7		5.99	8.28	247				
GLA-2	I-68	Mayes	GLA	09/04/00		8		4.53	7.94	249				
GLA-2	I-68	Mayes	GLA	09/04/00		9		3.93	7.85	249				
GLA-2	I-68	Mayes	GLA	09/04/00		10		2.77	7.67	250				
GLA-2	I-68	Mayes	GLA	09/04/00		11		1.26	7.51	251				
GLA-2	I-68	Mayes	GLA	09/04/00		12		0.52	7.46	252				
GLA-2	I-68	Mayes	GLA	09/04/00		13		0.05	7.47	255				
GLA-2	I-68	Mayes	GLA	09/04/00		14		0.04	7.43	254				
GLA-2	I-68	Mayes	GLA	09/04/00		15		0.04	7.41	254				
GLA-2	I-68	Mayes	GLA	09/04/00		16		0.04	7.38	256				
GLA-2	I-68	Mayes	GLA	09/04/00		19		0.08	7.31	254				
GLA-2	I-68	Mayes	GLA	09/04/00		20		0.09	7.28	254				
GLA-2	I-68	Mayes	GLA	09/04/00		21		0.09	7.27	257				
GLA-2	I-68	Mayes	GLA	09/04/00		22		0.1	7.28	266				
GLA-2	I-68	Mayes	GLA	09/04/00		23		0.1	7.29	277				
GLA-2	I-68	Mayes	GLA	09/04/00		24		0.1	7.29	289				
GLA-2	I-68	Mayes	GLA	09/04/00		25		0.1	7.33	317				
GLA-2	I-68	Mayes	GLA	09/04/00		26		0.11	7.35	338				
GLA-2	I-68	Mayes	GLA	09/04/00		27		0.11	7.33	350				
GLA-2	I-68	Mayes	GLA	09/04/00		28		0.11	7.30	350				
GLA-2	I-68	Mayes	GLA	09/04/00		29		0.11	7.27	350				
GLA-2	I-68	Mayes	GLA	09/30/00	09/23/00	0		5.73	7.63	253				
GLA-2	I-68	Mayes	GLA	09/30/00		1		5.56	7.72	253				
GLA-2	I-68	Mayes	GLA	09/30/00		2		5.23	7.71	253				
GLA-2	I-68	Mayes	GLA	09/30/00		3		5.23	7.71	253				
GLA-2	I-68	Mayes	GLA	09/30/00		4		5.27	7.69	253				
GLA-2	I-68	Mayes	GLA	09/30/00		5		5.1	7.70	253				
GLA-2	I-68	Mayes	GLA	09/30/00		6		5.1	7.71	253				
GLA-2	I-68	Mayes	GLA	09/30/00		7		5.16	7.69	253				
GLA-2	I-68	Mayes	GLA	09/30/00		8		5.09	7.69	253				
GLA-2	I-68	Mayes	GLA	09/30/00		9		4.95	7.68	253				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
GLA-2	I-68	Mayes	GLA	09/30/00		10		5.14	7.69	253				
GLA-2	I-68	Mayes	GLA	09/30/00		11		4.91	7.68	253				
GLA-2	I-68	Mayes	GLA	09/30/00		12		5.02	7.67	253				
GLA-2	I-68	Mayes	GLA	09/30/00		13		4.91	7.67	253				
GLA-2	I-68	Mayes	GLA	09/30/00		14		4.98	7.67	253				
GLA-2	I-68	Mayes	GLA	09/30/00		15		3.2	7.49	254				
GLA-2	I-68	Mayes	GLA	09/30/00		16		1.03	7.37	256				
GLA-2	I-68	Mayes	GLA	09/30/00		17		0.05	7.36	263				page 2 of 2. I never got page 1!! <Karina>
GLA-2	I-68	Mayes	GLA	09/30/00		18		0.03	7.36	261				
GLA-2	I-68	Mayes	GLA	09/30/00		19		0.03	7.32	268				
GLA-2	I-68	Mayes	GLA	09/30/00		20		0.01	7.32	267				
GLA-2	I-68	Mayes	GLA	09/30/00		21		0.02	7.32	268				
GLA-2	I-68	Mayes	GLA	09/30/00		22		0.02	7.30	267				
GLA-2	I-68	Mayes	GLA	09/30/00		23		0.02	7.30	276				
GLA-2	I-68	Mayes	GLA	09/30/00		24		0.08	7.32	296				
GLA-2	I-68	Mayes	GLA	09/30/00		25		0.08	7.33	317				
GLA-2	I-68	Mayes	GLA	09/30/00		26		0.09	7.31	325				
GLA-2	I-68	Mayes	GLA	09/30/00		27		0.09	7.29	331				
GLA-2	I-68	Mayes	GLA	09/30/00		28		0.1	7.29	340				
GLA-2	I-68	Mayes	GLA	09/30/00		29		0.09	7.27	347				
GLA-2	I-68	Mayes	GLA	09/30/00		30		0.09	7.25	351				
GLA-2	I-68	Mayes	GLA	09/30/00		31		0.1	7.24	355				
	I-68	Mayes	GLA	11/04/00	10/31/00	0		6.21	7.83	268				
GLA-2	I-68	Mayes	GLA	11/04/00		1		6.14	7.88	268				
GLA-2	I-68	Mayes	GLA	11/04/00		2		5.96	7.85	268				
GLA-2	I-68	Mayes	GLA	11/04/00		3		5.91	7.82	268				
GLA-2	I-68	Mayes	GLA	11/04/00		4		5.95	7.81	269				
GLA-2	I-68	Mayes	GLA	11/04/00		5		5.85	7.80	268				
GLA-2	I-68	Mayes	GLA	11/04/00		6		5.8	7.80	269				
GLA-2	I-68	Mayes	GLA	11/04/00		7		5.78	7.80	269				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
GLA-2	I-68	Mayes	GLA	11/04/00		8		5.68	7.80	269				
GLA-2	I-68	Mayes	GLA	11/04/00		9		5.83	7.80	269				
GLA-2	I-68	Mayes	GLA	11/04/00		10		5.77	7.79	168				
GLA-2	I-68	Mayes	GLA	11/04/00		11		5.79	7.80	269				
GLA-2	I-68	Mayes	GLA	11/04/00		12		5.56	7.80	269				
GLA-2	I-68	Mayes	GLA	11/04/00		13		5.58	7.81	269				
GLA-2	I-68	Mayes	GLA	11/04/00		14		5.61	7.81	269				
GLA-2	I-68	Mayes	GLA	11/04/00		15		5.76	7.81	168				
GLA-2	I-68	Mayes	GLA	11/04/00		16		5.85	7.82	269				
GLA-2	I-68	Mayes	GLA	11/04/00		17		5.76	7.82	168				
GLA-2	I-68	Mayes	GLA	11/04/00		18		5.66	7.93	269				
GLA-2	I-68	Mayes	GLA	11/04/00		19		5.75	7.88	168				
GLA-2	I-68	Mayes	GLA	11/04/00		20		5.71	7.87	269				
GLA-2	I-68	Mayes	GLA	11/04/00		21		5.44	7.87	269				
GLA-2	I-68	Mayes	GLA	11/04/00		22		3.61	7.71	272				
GLA-2	I-68	Mayes	GLA	11/04/00		23		3.05	7.68	272				
GLA-2	I-68	Mayes	GLA	11/04/00		24		2.3	7.63	274				
GLA-2	I-68	Mayes	GLA	11/04/00		25		0.06	7.58	282				
GLA-2	I-68	Mayes	GLA	11/04/00		26		0.01	7.58	283				
GLA-2	I-68	Mayes	GLA	11/04/00		27		0	7.58	285				
GLA-2	I-68	Mayes	GLA	11/04/00		28		0	7.63	291				
GLA-2	I-68	Mayes	GLA	11/04/00		29		0	7.64	293				
GLA-2	I-68	Mayes	GLA	11/04/00		30								
GLA-2	I-68	Mayes	GLA	02/03/01	01/22/01	0		13.26	7.95	325				
GLA-2	I-68	Mayes	GLA	02/03/01		1		12.06	7.94	323				
GLA-2	I-68	Mayes	GLA	02/03/01		2		11.93	7.94	323				
GLA-2	I-68	Mayes	GLA	02/03/01		3		11.78	7.93	323				
GLA-2	I-68	Mayes	GLA	02/03/01		4		11.74	7.95	322				
GLA-2	I-68	Mayes	GLA	02/03/01		5		11.7	7.94	322				
GLA-2	I-68	Mayes	GLA	02/03/01		6		11.73	7.94	322				
GLA-2	I-68	Mayes	GLA	02/03/01		7		11.62	7.94	322				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
GLA-2	I-68	Mayes	GLA	02/03/01		8		11.59	7.94	322				
GLA-2	I-68	Mayes	GLA	02/03/01		9		11.5	7.94	322				
GLA-2	I-68	Mayes	GLA	02/03/01		10		11.48	7.94	322				
GLA-2	I-68	Mayes	GLA	02/03/01		11		11.52	7.94	322				
GLA-2	I-68	Mayes	GLA	02/03/01		12		11.39	7.95	322				
GLA-2	I-68	Mayes	GLA	02/03/01		13		11.51	7.95	322				
GLA-2	I-68	Mayes	GLA	02/03/01		14		11.45	7.95	322				
GLA-2	I-68	Mayes	GLA	02/03/01		15		11.47	7.95	322				
GLA-2	I-68	Mayes	GLA	02/03/01		16		11.61	7.96	322				
GLA-2	I-68	Mayes	GLA	02/03/01		17		11.5	7.96	322				
GLA-2	I-68	Mayes	GLA	02/03/01		18		11.52	7.96	322				
GLA-2	I-68	Mayes	GLA	02/03/01		19		11.44	7.96	322				
GLA-2	I-68	Mayes	GLA	02/03/01		20		11.47	7.96	322				
GLA-2	I-68	Mayes	GLA	02/03/01		21		11.38	7.96	322				
GLA-2	I-68	Mayes	GLA	02/03/01		22		11.48	7.96	322				
GLA-2	I-68	Mayes	GLA	02/03/01		23		11.36	7.96	322				
GLA-2	I-68	Mayes	GLA	02/03/01		24		11.34	7.97	322				
GLA-2	I-68	Mayes	GLA	02/03/01		25		11.36	7.96	322				
GLA-2	I-68	Mayes	GLA	02/03/01		26		11.31	7.97	322				
GLA-2	I-68	Mayes	GLA	02/03/01		27		11.34	7.96	322				
GLA-2	I-68	Mayes	GLA	02/03/01		28		11.35	7.97	322				
GLA-2	I-68	Mayes	GLA	02/03/01		29		11.43	7.97	322				
GLA-2	I-68	Mayes	GLA	02/03/01		30		10.84	7.97	322				
GLA-2	I-68	Mayes	GLA	03/04/01	02/27/01	0		11.28	7.45	311				
GLA-2	I-68	Mayes	GLA	03/04/01		1		11.04	7.45	311				
GLA-2	I-68	Mayes	GLA	03/04/01		2		10.95	7.45	311				
GLA-2	I-68	Mayes	GLA	03/04/01		3		11.06	7.46	310				
GLA-2	I-68	Mayes	GLA	03/04/01		4		10.92	7.47	310				
GLA-2	I-68	Mayes	GLA	03/04/01		5		10.98	7.47	311				
GLA-2	I-68	Mayes	GLA	03/04/01		6		10.89	7.48	310				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
GLA-2	I-68	Mayes	GLA	03/04/01		7		10.88	7.47	310				
GLA-2	I-68	Mayes	GLA	03/04/01		8		10.94	7.48	310				
GLA-2	I-68	Mayes	GLA	03/04/01		9		10.91	7.49	310				
GLA-2	I-68	Mayes	GLA	03/04/01		10		10.9	7.49	310				
GLA-2	I-68	Mayes	GLA	03/04/01		11		10.78	7.49	310				
GLA-2	I-68	Mayes	GLA	03/04/01		12		10.79	7.50	311				
GLA-2	I-68	Mayes	GLA	03/04/01		13		10.78	7.49	310				
GLA-2	I-68	Mayes	GLA	03/04/01		14		10.8	7.51	310				
GLA-2	I-68	Mayes	GLA	03/04/01		15		10.76	7.51	310				
GLA-2	I-68	Mayes	GLA	03/04/01		16		10.83	7.53	311				
GLA-2	I-68	Mayes	GLA	03/04/01		17		10.82	7.53	310				
GLA-2	I-68	Mayes	GLA	03/04/01		18		10.84	7.52	310				
GLA-2	I-68	Mayes	GLA	03/04/01		19		10.78	7.53	311				
GLA-2	I-68	Mayes	GLA	03/04/01		20		10.86	7.53	311				
GLA-2	I-68	Mayes	GLA	03/04/01		21		10.81	7.53	310				
GLA-2	I-68	Mayes	GLA	03/04/01		22		10.74	7.53	310				
GLA-2	I-68	Mayes	GLA	03/04/01		23		10.83	7.54	310				
GLA-2	I-68	Mayes	GLA	03/04/01		24		10.79	7.54	311				
GLA-2	I-68	Mayes	GLA	03/04/01		25		10.78	7.53	310				
GLA-2	I-68	Mayes	GLA	03/04/01		26		10.8	7.54	310				
GLA-2	I-68	Mayes	GLA	03/04/01		27		10.75	7.55	311				
GLA-2	I-68	Mayes	GLA	03/04/01		28		10.77	7.55	311				
GLA-2	I-68	Mayes	GLA	03/04/01		29		10.72	7.54	311				
GLA-2	I-68	Mayes	GLA	03/04/01		30		10.72	7.54	311				
GLA-2	I-68	Mayes	GLA	04/01/01	03/29/01	0		9.82	7.96	248				
GLA-2	I-68	Mayes	GLA	04/01/01		1		9.82	7.95	248				
GLA-2	I-68	Mayes	GLA	04/01/01		2		9.7	7.96	248				
GLA-2	I-68	Mayes	GLA	04/01/01		3		9.71	7.94	249				
GLA-2	I-68	Mayes	GLA	04/01/01		4		9.52	7.94	248				
GLA-2	I-68	Mayes	GLA	04/01/01		5		9.7	7.94	249				
GLA-2	I-68	Mayes	GLA	04/01/01		6		9.66	7.94	248				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
GLA-2	I-68	Mayes	GLA	04/01/01		7		9.44	7.92	249				
GLA-2	I-68	Mayes	GLA	04/01/01		8		9.41	7.91	248				
GLA-2	I-68	Mayes	GLA	04/01/01		9		9.26	7.87	250				
GLA-2	I-68	Mayes	GLA	04/01/01		10		9.16	7.86	251				
GLA-2	I-68	Mayes	GLA	04/01/01		11		9.18	7.86	251				
GLA-2	I-68	Mayes	GLA	04/01/01		12		9.19	7.86	251				
GLA-2	I-68	Mayes	GLA	04/01/01		13		9.19	7.85	251				
GLA-2	I-68	Mayes	GLA	04/01/01		14		9.09	7.86	252				
GLA-2	I-68	Mayes	GLA	04/01/01		15		9.14	7.86	253				
GLA-2	I-68	Mayes	GLA	04/01/01		16		9.09	7.87	253				
GLA-2	I-68	Mayes	GLA	04/01/01		17		9.19	7.87	253				
GLA-2	I-68	Mayes	GLA	04/01/01		18		9.09	7.87	253				
GLA-2	I-68	Mayes	GLA	04/01/01		19		9.08	7.87	254				
GLA-2	I-68	Mayes	GLA	04/01/01		20		9.09	7.87	254				
GLA-2	I-68	Mayes	GLA	04/01/01		21		9.12	7.87	254				
GLA-2	I-68	Mayes	GLA	04/01/01		22		9.05	7.87	255				
GLA-2	I-68	Mayes	GLA	04/01/01		23		8.94	7.87	255				
GLA-2	I-68	Mayes	GLA	04/01/01		24		8.91	7.86	256				
GLA-2	I-68	Mayes	GLA	04/01/01		25		8.75	7.86	256				
GLA-2	I-68	Mayes	GLA	04/01/01		26		8.89	7.86	256				
GLA-2	I-68	Mayes	GLA	04/01/01		27		8.77	7.86	256				
GLA-2	I-68	Mayes	GLA	04/01/01		28		8.74	7.85	256				
GLA-2	I-68	Mayes	GLA	04/01/01		29		8.6	7.85	257				
GLA-2	I-68	Mayes	GLA	04/01/01		30		8.21	7.81	261				
GLA-2	I-68	Mayes	GLA	05/06/01	05/05/01	0		8.61	7.86	2800				
GLA-2	I-68	Mayes	GLA	05/06/01		1		8.38	7.82	2790				
GLA-2	I-68	Mayes	GLA	05/06/01		2		8.33	7.83	2790				
GLA-2	I-68	Mayes	GLA	05/06/01		3		8.46	7.80	2800				
GLA-2	I-68	Mayes	GLA	05/06/01		4		8.52	7.80	2800				
GLA-2	I-68	Mayes	GLA	05/06/01		5		8.27	7.79	2790				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
GLA-2	I-68	Mayes	GLA	05/06/01		6		8.1	7.69	2790				
GLA-2	I-68	Mayes	GLA	05/06/01		7		8.95	7.64	2770				
GLA-2	I-68	Mayes	GLA	05/06/01		8		7.89	7.61	2780				
GLA-2	I-68	Mayes	GLA	05/06/01		9		7.97	7.60	2780				
GLA-2	I-68	Mayes	GLA	05/06/01		10		7.94	7.58	2750				
GLA-2	I-68	Mayes	GLA	05/06/01		11		7.91	7.54	2710				
GLA-2	I-68	Mayes	GLA	05/06/01		12		7.78	7.51	2720				
GLA-2	I-68	Mayes	GLA	05/06/01		13		7.78	7.50	2710				
GLA-2	I-68	Mayes	GLA	05/06/01		14		7.83	7.48	2700				
GLA-2	I-68	Mayes	GLA	05/06/01		15		7.72	7.47	2700				
GLA-2	I-68	Mayes	GLA	05/06/01		16		7.65	7.45	2700				
GLA-2	I-68	Mayes	GLA	05/06/01		17		7.63	7.44	2690				
GLA-2	I-68	Mayes	GLA	05/06/01		18		7.38	7.41	2700				
GLA-2	I-68	Mayes	GLA	05/06/01		19		7.3	7.38	2690				
GLA-2	I-68	Mayes	GLA	05/06/01		20		6.95	7.31	2680				
GLA-2	I-68	Mayes	GLA	05/06/01		21		6.78	7.27	2680				
GLA-2	I-68	Mayes	GLA	05/06/01		22		6.67	7.25	2670				
GLA-2	I-68	Mayes	GLA	05/06/01		23		6.55	7.22	2660				
GLA-2	I-68	Mayes	GLA	05/06/01		24		6.4	7.20	2660				
GLA-2	I-68	Mayes	GLA	05/06/01		25		6.18	7.17	2650				
GLA-2	I-68	Mayes	GLA	05/06/01		26		6.05	7.16	2650				
GLA-2	I-68	Mayes	GLA	05/06/01		27		5.76	7.14	2650				
GLA-2	I-68	Mayes	GLA	05/06/01		28		5.69	7.12	2650				
GLA-2	I-68	Mayes	GLA	05/06/01		29		5.41	7.11	2650				
GLA-2	I-68	Mayes	GLA	05/06/01		30		5.42	7.10	2650				
GLA-2	I-68	Mayes	GLA	05/06/01		31		5.16	7.09	2650				
GLA-2	I-68	Mayes	GLA	05/06/01		32		5.09	7.09	26660				
GLA-2	I-68	Mayes	GLA	05/06/01		33		4.97	7.08	2660				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
GLA-2	I-68	Mayes	GLA	06/03/01	06/01/01	0		8.74	7.52	2830				During the testing a storm front blew thru changing the wind direction from south to north and incrasing the wind speed to above 30 mph. The boat moved off station and I was not able to relocate the boat on station. Hydrolab measurements were stopped at 21 meters <monitor>
GLA-2	I-68	Mayes	GLA	06/03/01		1		8.62	7.52	2830				
GLA-2	I-68	Mayes	GLA	06/03/01		2		8.63	7.54	2830				
GLA-2	I-68	Mayes	GLA	06/03/01		3		8.77	7.54	2830				
GLA-2	I-68	Mayes	GLA	06/03/01		4		8.51	7.51	2840				
GLA-2	I-68	Mayes	GLA	06/03/01		5		8.43	7.49	2840				
GLA-2	I-68	Mayes	GLA	06/03/01		6		8.27	7.43	2840				
GLA-2	I-68	Mayes	GLA	06/03/01		7		8.21	7.41	2840				
GLA-2	I-68	Mayes	GLA	06/03/01		8		8.11	7.37	2840				
GLA-2	I-68	Mayes	GLA	06/03/01		9		7.87	7.33	2840				
GLA-2	I-68	Mayes	GLA	06/03/01		10		7.78	7.31	2850				
GLA-2	I-68	Mayes	GLA	06/03/01		11		7.39	7.20	2850				
GLA-2	I-68	Mayes	GLA	06/03/01		12		6.9	7.04	2860				
GLA-2	I-68	Mayes	GLA	06/03/01		13		6.12	6.86	2870				
GLA-2	I-68	Mayes	GLA	06/03/01		14		5.74	6.81	2870				
GLA-2	I-68	Mayes	GLA	06/03/01		15		5.74	6.81	2870				
GLA-2	I-68	Mayes	GLA	06/03/01		16		5.95	6.84	2870				
GLA-2	I-68	Mayes	GLA	06/03/01		17		5.63	8.78	2880				
GLA-2	I-68	Mayes	GLA	06/03/01		18		5.01	6.52	2810				
GLA-2	I-68	Mayes	GLA	06/03/01		19		5.04	6.53	2870				
GLA-2	I-68	Mayes	GLA	06/03/01		20		5.26	6.53	2750				
GLA-2	I-68	Mayes	GLA	06/03/01		21		5.76	6.47	2700				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
GLA-2	I-69	Delaware	GLA	07/01/00	05/13/00	0		9.17	9.74	272				The cable on the hydrolab limit to 14 m. Sonar readings record a depth of 77.5' (23.678 m) <Frazer>
GLA-2	I-69	Delaware	GLA	07/01/00		1		9.05	9.77	272				
GLA-2	I-69	Delaware	GLA	07/01/00		2		8.7	9.73	273				
GLA-2	I-69	Delaware	GLA	07/01/00		3		7.62	9.53	275				
GLA-2	I-69	Delaware	GLA	07/01/00		4		7.33	9.44	276				
GLA-2	I-69	Delaware	GLA	07/01/00		5		6.03	9.13	276				
GLA-2	I-69	Delaware	GLA	07/01/00		6		5.21	8.88	277				
GLA-2	I-69	Delaware	GLA	07/01/00		7		4.11	8.68	277				
GLA-2	I-69	Delaware	GLA	07/01/00		8		3.46	8.59	282				
GLA-2	I-69	Delaware	GLA	07/01/00		9		2.55	8.45	265				
GLA-2	I-69	Delaware	GLA	07/01/00		10		2.11	8.35	259				
GLA-2	I-69	Delaware	GLA	07/01/00		11		1.79	8.28	249				
GLA-2	I-69	Delaware	GLA	07/01/00		12		7.16	8.22	238				
GLA-2	I-69	Delaware	GLA	07/01/00		13		1.57	8.16	229				
GLA-2	I-69	Delaware	GLA	07/01/00		14		1.28	8.14	233				
GLA-2	I-73	Delaware	GLA	08/06/01	07/19/01	0		1.15	10.44	0.221				
GLA-2	I-73	Delaware	GLA	08/06/01		1		1.19	10.48	0.22				
GLA-2	I-73	Delaware	GLA	08/06/01		2		1.17	10.41	0.221				
GLA-2	I-73	Delaware	GLA	08/06/01		3		1.16	10.37	0.221				
GLA-2	I-73	Delaware	GLA	08/06/01		4		1.13	10.26	0.223				
GLA-2	I-73	Delaware	GLA	08/06/01		5		0.96	9.64	0.235				
GLA-2	I-73	Delaware	GLA	08/06/01		6		0.68	9.24	0.244				
GLA-2	I-73	Delaware	GLA	08/06/01		7		0.37	9.14	0.248				
GLA-2	I-73	Delaware	GLA	08/06/01		8		0.19	9.13	0.247				
GLA-2	I-73	Delaware	GLA	08/06/01		9		0.14	9.10	0.252				
GLA-2	I-73	Delaware	GLA	08/06/01		10		0.1	9.02	0.253				
GLA-2	I-73	Delaware	GLA	08/06/01		11		0.08	9.05	0.252				
GLA-2	I-73	Delaware	GLA	08/06/01		12		0.07	9.00	0.253				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
GLA-2	I-73	Delaware	GLA	08/06/01		13		0.07	8.96	0.253				
GLA-2	I-73	Delaware	GLA	08/06/01		14		0.06	8.92	0.252				
GLA-2	I-73	Delaware	GLA	08/06/01		15								
GLA-2	I-73	Delaware	GLA	09/04/01	08/15/01	0		8.21	9.30	0.266				
GLA-2	I-73	Delaware	GLA	09/04/01		1		8.21	9.33	0.264				
GLA-2	I-73	Delaware	GLA	09/04/01		2		7.97	9.27	0.265				
GLA-2	I-73	Delaware	GLA	09/04/01		3		7.57	9.19	0.266				
GLA-2	I-73	Delaware	GLA	09/04/01		4		6.84	9.07	0.267				
GLA-2	I-73	Delaware	GLA	09/04/01		5		4.84	8.56	0.271				
GLA-2	I-73	Delaware	GLA	09/04/01		6		3.03	8.20	0.273				
GLA-2	I-73	Delaware	GLA	09/04/01		7		2.11	8.07	0.274				
GLA-2	I-73	Delaware	GLA	09/04/01		8		2.04	8.06	0.273				
GLA-2	I-73	Delaware	GLA	09/04/01		9		1.61	8.01	0.272				
GLA-2	I-73	Delaware	GLA	09/04/01		10		1.24	7.98	0.271				
GLA-2	I-73	Delaware	GLA	09/04/01		11		0.56	7.92	0.271				
GLA-2	I-73	Delaware	GLA	09/04/01		12		0.13	7.89	0.274				
GLA-2	I-73	Delaware	GLA	09/04/01		13		0.1	7.88	0.281				
GLA-2	I-73	Delaware	GLA	09/04/01		14		0.1	7.85	0.292				
GLA-2	I-73	Delaware	GLA	09/04/01		15		0.09	7.81	0.295				
GLA-2	I-73	Delaware	GLA	04/01/02	02/20/02	0		12.81	8.29	0.324				
GLA-2	I-73	Delaware	GLA	04/01/02		1		12.73	8.29	0.323				
GLA-2	I-73	Delaware	GLA	04/01/02		2		12.82	8.30	0.323				
GLA-2	I-73	Delaware	GLA	04/01/02		3		12.75	8.31	0.325				
GLA-2	I-73	Delaware	GLA	04/01/02		4		12.37	8.29	0.325				
GLA-2	I-73	Delaware	GLA	04/01/02		5		12.37	8.29	0.324				
GLA-2	I-73	Delaware	GLA	04/01/02		6		12.37	8.29	0.324				
GLA-2	I-73	Delaware	GLA	04/01/02		7		12.39	8.29	0.324				
GLA-2	I-73	Delaware	GLA	04/01/02		8		12.41	8.29	0.324				
GLA-2	I-73	Delaware	GLA	04/01/02		9		12.49	8.32	0.324				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
GLA-2	I-73	Delaware	GLA	04/01/02		10		12.48	8.31	0.323				
GLA-2	I-73	Delaware	GLA	04/01/02		11		12.59	8.33	0.322				
GLA-2	I-73	Delaware	GLA	04/01/02		12		12.69	8.35	0.322				
GLA-2	I-73	Delaware	GLA	04/01/02		13		12.71	8.37	0.32				
GLA-2	I-73	Delaware	GLA	04/01/02		14		12.11	8.36	0.321				
GLA-2	I-73	Delaware	GLA	05/07/02	04/20/02	0		10.19	9.00	0.324				
GLA-2	I-73	Delaware	GLA	05/07/02		1		9.91	9.05	0.324				
GLA-2	I-73	Delaware	GLA	05/07/02		2		9.43	9.01	0.326				
GLA-2	I-73	Delaware	GLA	05/07/02		3		9.17	8.97	0.329				
GLA-2	I-73	Delaware	GLA	05/07/02		4		8.75	8.89	0.33				
GLA-2	I-73	Delaware	GLA	05/07/02		5		8.64	8.87	0.329				
GLA-2	I-73	Delaware	GLA	05/07/02		6		8.44	8.81	0.333				
GLA-2	I-73	Delaware	GLA	05/07/02		7		8.33	8.79	0.334				
GLA-2	I-73	Delaware	GLA	05/07/02		8		8.3	8.79	0.331				
GLA-2	I-73	Delaware	GLA	05/07/02		9		8.28	8.78	0.332				
GLA-2	I-73	Delaware	GLA	05/07/02		10		8.21	8.77	0.331				
GLA-2	I-73	Delaware	GLA	05/07/02		11		8.04	8.74	0.332				
GLA-2	I-73	Delaware	GLA	05/07/02		12		7.39	8.59	0.332				
GLA-2	I-73	Delaware	GLA	05/07/02		13		6.89	8.50	0.33				
GLA-2	I-73	Delaware	GLA	05/07/02		14		6.32	8.37	0.334				
	1		Tenkiller	2/9/2000		0		11	8.13	212				
	1		Tenkiller	2/9/2000		2		10.83	8.11	212				
	1		Tenkiller	2/9/2000		4		10.74	8.13	212				
	1		Tenkiller	2/9/2000		6		10.66	8.11	212				
	1		Tenkiller	2/9/2000		8		10.61	8.1	212				
	1		Tenkiller	2/9/2000		10		10.5	8.08	212				
	1		Tenkiller	2/9/2000		12		10.33	8.05	213				
	1		Tenkiller	2/9/2000		14		10.32	8.04	212				
	1		Tenkiller	2/9/2000		16		10.29	8.03	213				
	1		Tenkiller	2/9/2000		18		10.35	8.11	212				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
	1		Tenkiller	2/9/2000		20		10.31	8.12	212				
	1		Tenkiller	2/9/2000		22		10.32	8.12	212				
	1		Tenkiller	2/9/2000		24		10.31	8.13	212				
	1		Tenkiller	2/9/2000		26		10.32	8.13	212				
	1		Tenkiller	2/9/2000		28		10.36	8.13	212				
	1		Tenkiller	2/9/2000		30		10.35	8.13	212				
	1		Tenkiller	2/9/2000		32		10.34	8.14	212				
	1		Tenkiller	2/9/2000		34		10.32	8.14	212				
	1		Tenkiller	2/9/2000		36		10.35	8.15	212				
	1		Tenkiller	2/9/2000		38		10.36	8.15	212				
	1		Tenkiller	2/9/2000		40		10.34	8.15	212				
	1		Tenkiller	2/9/2000		42		10.36	8.14	212				
	1		Tenkiller	3/20/2000		0		11	8.13	212				
	1		Tenkiller	3/20/2000		2		10.83	8.11	212				
	1		Tenkiller	3/20/2000		4		10.74	8.13	212				
	1		Tenkiller	3/20/2000		6		10.66	8.11	212				
	1		Tenkiller	3/20/2000		8		10.61	8.1	212				
	1		Tenkiller	3/20/2000		10		10.5	8.08	212				
	1		Tenkiller	3/20/2000		12		10.33	8.05	212				
	1		Tenkiller	3/20/2000		14		10.32	8.04	212				
	1		Tenkiller	3/20/2000		16		10.29	8.03	213				
	1		Tenkiller	3/20/2000		18		10.35	8.11	212				
	1		Tenkiller	3/20/2000		20		10.31	8.12	212				
	1		Tenkiller	3/20/2000		22		10.32	8.12	212				
	1		Tenkiller	3/20/2000		24		10.31	8.13	212				
	1		Tenkiller	3/20/2000		26		10.32	8.13	212				
	1		Tenkiller	3/20/2000		28		10.36	8.13	212				
	1		Tenkiller	3/20/2000		30		10.35	8.13	212				
	1		Tenkiller	3/20/2000		32		10.34	8.14	212				
	1		Tenkiller	3/20/2000		34		10.32	8.14	212				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
	1		Tenkiller	3/20/2000		36		10.35	8.15	212				
	1		Tenkiller	3/20/2000		38		10.36	8.15	212				
	1		Tenkiller	5/21/2000		0		9.8	8.64	216				
	1		Tenkiller	5/21/2000		2		10.3	8.7	216				
	1		Tenkiller	5/21/2000		4		9.6	8.58	216				
	1		Tenkiller	5/21/2000		6		8.28	8.3	218				
	1		Tenkiller	5/21/2000		8		7.25	8	220				
	1		Tenkiller	5/21/2000		10		6.27	7.65	223				
	1		Tenkiller	5/21/2000		12		6.37	7.62	223				
	1		Tenkiller	5/21/2000		14		6.36	7.57	223				
	1		Tenkiller	5/21/2000		16		5.86	7.49	223				
	1		Tenkiller	5/21/2000		18		4.98	7.34	223				
	1		Tenkiller	5/21/2000		20		3.29	7.19	223				
	1		Tenkiller	5/21/2000		22		3.02	7.16	222				
	1		Tenkiller	5/21/2000		24		3.03	7.15	221				
	1		Tenkiller	5/21/2000		26		3.14	7.13	221				
	1		Tenkiller	6/25/2000		0		20.14	8.62	190				
	1		Tenkiller	6/25/2000		2		9.78	8.55	191				
	1		Tenkiller	6/25/2000		4		6.02	7.64	195				
	1		Tenkiller	6/25/2000		6		4.06	7.35	197				
	1		Tenkiller	6/25/2000		8		3.06	7.2	196				
	1		Tenkiller	6/25/2000		10		3.04	7.15	195				
	1		Tenkiller	6/25/2000		12		2.94	7.12	194				
	1		Tenkiller	6/25/2000		14		2.81	7.09	196				
	1		Tenkiller	6/25/2000		16		2.38	7.08	202				
	1		Tenkiller	6/25/2000		18		1.83	7.1	212				
	1		Tenkiller	6/25/2000		20		1.63	7.09	219				
	1		Tenkiller	6/25/2000		22		1.06	7.12	232				
	1		Tenkiller	6/25/2000		24		1.58	7.16	234				
	1		Tenkiller	6/25/2000		26		1.92	7.15	236				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
	1		Tenkiller	6/25/2000		28		2.12	7.11	237				
	1		Tenkiller	6/25/2000		30		1.83	7.05	238				
	1		Tenkiller	6/25/2000		32		1.32	6.97	238				
	1		Tenkiller	6/25/2000		34		0.18	6.96	243				
	1		Tenkiller	6/25/2000		36		0.16	6.94	245				
	1		Tenkiller	6/25/2000		38		0.15	6.94	245				
	1		Tenkiller	6/25/2000		40		0.14	6.94	244				
	1		Tenkiller	6/25/2000		42		0.14	6.94	244				
	1		Tenkiller	10/1/2000		0		8.09	8.77					
	1		Tenkiller	10/1/2000		2		7.61	8.7					
	1		Tenkiller	10/1/2000		4		7.37	8.62					
	1		Tenkiller	10/1/2000		6		7	8.59					
	1		Tenkiller	10/1/2000		8		6.94	8.56					
	1		Tenkiller	10/1/2000		10		6.96	8.58					
	1		Tenkiller	10/1/2000		12		6.58	8.5					
	1		Tenkiller	10/1/2000		14		6.15	8.44					
	1		Tenkiller	10/1/2000		16		0.36	7.89					
	1		Tenkiller	10/1/2000		18		0.26	7.78					
	1		Tenkiller	10/1/2000		20		0.23	7.71					
	1		Tenkiller	10/1/2000		22		0.22	7.66					
	1		Tenkiller	10/1/2000		24		0.21	7.64					
	1		Tenkiller	10/1/2000		26		0.19	7.64					
	1		Tenkiller	9/14/2001		0		8.08	8.58					
	1		Tenkiller	9/14/2001		2		8.09	8.58					
	1		Tenkiller	9/14/2001		4		6.82	8.28					
	1		Tenkiller	9/14/2001		6		6.7	8.25					
	1		Tenkiller	9/14/2001		8		6.54	8.23					
	1		Tenkiller	9/14/2001		10		6.34	8.14					
	1		Tenkiller	9/14/2001		12		5.91	8.03					

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
	1		Tenkiller	9/14/2001		14		0.4	7.52					
	1		Tenkiller	9/14/2001		16		0.31	7.57					
	1		Tenkiller	9/14/2001		18		0.27	7.27					
	1		Tenkiller	9/14/2001		36		0.2	7.27					
	1		Tenkiller	12/7/2001		0		8.72	8.81	212				
	1		Tenkiller	12/7/2001		2		8.64	8.84	212				
	1		Tenkiller	12/7/2001		4		8.53	8.84	211				
	1		Tenkiller	12/7/2001		6		8.52	8.84	211				
	1		Tenkiller	12/7/2001		8		8.52	8.84	211				
	1		Tenkiller	12/7/2001		10		8.5	8.85	211				
	1		Tenkiller	12/7/2001		12		8.44	8.85	211				
	1		Tenkiller	12/7/2001		14		7.94	8.8	211				
	1		Tenkiller	12/7/2001		16		7.94	8.78	211				
	1		Tenkiller	12/7/2001		18		7.91	8.77	212				
	1		Tenkiller	12/7/2001		20		7.86	8.76	212				
	1		Tenkiller	12/7/2001		22		7.65	8.76	212				
	1		Tenkiller	12/7/2001		24		7.58	8.74	213				
	1		Tenkiller	12/7/2001		26		7.63	8.76	213				
	1		Tenkiller	12/7/2001		28		7.63	8.76	213				
	2		Tenkiller	2/9/2000				not sampled / too windy						
	2		Tenkiller	3/20/2000		0		11.41	9.19	220				
	2		Tenkiller	3/20/2000		2		11.35	9.2	220				
	2		Tenkiller	3/20/2000		4		11.23	9.2	222				
	2		Tenkiller	3/20/2000		6		10.61	9.1	224				
	2		Tenkiller	3/20/2000		8		10.64	9.1	223				
	2		Tenkiller	3/20/2000		10		10.62	9.1	222				
	2		Tenkiller	3/20/2000		12		10.62	9.1	222				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
	2		Tenkiller	3/20/2000		14		10.62	9.1	222				
	2		Tenkiller	3/20/2000		16		10.09	8.97	221				
	2		Tenkiller	3/20/2000		18		9.4	8.72	220				
	2		Tenkiller	3/20/2000		20		8.65	8.48	220				
	2		Tenkiller	5/21/2000		0		10.7	8.75	219				
	2		Tenkiller	5/21/2000		2		10.25	8.66	220				
	2		Tenkiller	5/21/2000		4		10.11	8.66	220				
	2		Tenkiller	5/21/2000		6		8.64	8.4	221				
	2		Tenkiller	5/21/2000		8		7.75	8.18	221				
	2		Tenkiller	5/21/2000		10		6.74	7.92	223				
	2		Tenkiller	5/21/2000		12		4.85	7.54	227				
	2		Tenkiller	5/21/2000		14		3.5	7.37	236				
	2		Tenkiller	5/21/2000		16		2.84	7.31	237				
	2		Tenkiller	5/21/2000		18		1.61	7.31	235				
	2		Tenkiller	6/25/2000		0		11	8.76	188				
	2		Tenkiller	6/25/2000		2		10.23	8.65	189				
	2		Tenkiller	6/25/2000		4		8	8.16	191				
	2		Tenkiller	6/25/2000		6		7.86	8.12	192				
	2		Tenkiller	6/25/2000		8		5.99	7.58	191				
	2		Tenkiller	6/25/2000		10		4.98	7.25	182				
	2		Tenkiller	6/25/2000		12		5.56	7.14	162				
	2		Tenkiller	6/25/2000		14		5.6	6.99	142				
	2		Tenkiller	6/25/2000		16		5.69	6.87	129				
	2		Tenkiller	6/25/2000		18		5.64	6.83	127				
	2		Tenkiller	6/25/2000		20		5.63	6.81	125				
	2		Tenkiller	6/25/2000		22		5.48	6.8	125				
	2		Tenkiller	6/25/2000		24		5.06	6.81	130				
	2		Tenkiller	6/25/2000		26		0.26	7.03	243				
	2		Tenkiller	6/25/2000		28		0.19	7.06	256				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
	2		Tenkiller	10/1/2000		0		7.44	8.56	192				
	2		Tenkiller	10/1/2000		2		7.35	8.56	192				
	2		Tenkiller	10/1/2000		4		7.19	8.56	192				
	2		Tenkiller	10/1/2000		6		7.12	8.56	192				
	2		Tenkiller	10/1/2000		8		7.04	8.55	192				
	2		Tenkiller	10/1/2000		10		6.99	8.54	192				
	2		Tenkiller	10/1/2000		12		6.96	8.54	192				
	2		Tenkiller	10/1/2000		14		6.81	8.54	192				
	2		Tenkiller	10/1/2000		16		4.89	8.24	205				
	2		Tenkiller	10/1/2000		18		3.92	8.12	222				
	2		Tenkiller	10/1/2000		20		3.6	8.08	228				
	2		Tenkiller	10/1/2000		22		3.09	8.03	236				
	2		Tenkiller	10/1/2000		24		2.96	8.02	237				
	2		Tenkiller	9/14/2001		0		9.17	8.72					
	2		Tenkiller	9/14/2001		2		9.34	8.74					
	2		Tenkiller	9/14/2001		4		9.14	8.72					
	2		Tenkiller	9/14/2001		6		8.43	8.61					
	2		Tenkiller	9/14/2001		8		7.69	8.44					
	2		Tenkiller	9/14/2001		10		6.68	8.17					
	2		Tenkiller	9/14/2001		12		6.54	8.14					
	2		Tenkiller	9/14/2001		14		0.27	7.36					
	2		Tenkiller	9/14/2001		16		0.22	7.34					
	2		Tenkiller	9/14/2001		18		0.18	7.25					
	2		Tenkiller	9/14/2001		20		0.16	7.19					
	2		Tenkiller	9/14/2001		22		0.16	7.16					
	2		Tenkiller	9/14/2001		24								
	2		Tenkiller	12/7/2001		0		10.23	9.15	211				
	2		Tenkiller	12/7/2001		2		9.84	9.12	211				
	2		Tenkiller	12/7/2001		4		9.62	9.02	211				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
	2		Tenkiller	12/7/2001		6		9.52	9.02	212				
	2		Tenkiller	12/7/2001		8		9.47	9.01	211				
	2		Tenkiller	12/7/2001		10		9.44	9.01	211				
	2		Tenkiller	12/7/2001		12		9.46	9.01	211				
	2		Tenkiller	12/7/2001		14		9.46	9.02	211				
	2		Tenkiller	12/7/2001		16		9.37	9.01	214				
	2		Tenkiller	12/7/2001		18		9.32	9	221				
	2		Tenkiller	12/7/2001		20		9.12	8.93	240				
	2		Tenkiller	12/7/2001		22		8.56	8.84	250				
	3		Tenkiller	2/9/2000		0		13.18	8.91	217				
	3		Tenkiller	2/9/2000		2		13.22	8.91	219				
	3		Tenkiller	2/9/2000		4		12.78	8.83	222				
	3		Tenkiller	2/9/2000		6		12.06	8.66	230				
	3		Tenkiller	2/9/2000		8		11.95	8.57	242				
	3		Tenkiller	2/9/2000		10		11.88	8.55	247				
	3		Tenkiller	2/9/2000		12		11.89	8.56	252				
	3		Tenkiller	2/9/2000		14		11.96	8.56	252				
	3		Tenkiller	3/20/2000		0		11.17	9.17	242				
	3		Tenkiller	3/20/2000		2		11.21	9.19	242				
	3		Tenkiller	3/20/2000		4		9.9	8.93	242				
	3		Tenkiller	3/20/2000		6		9.8	8.89	245				
	3		Tenkiller	3/20/2000		8		9.28	8.8	244				
	3		Tenkiller	3/20/2000		10		7.86	8.43	237				
	3		Tenkiller	3/20/2000		12		6.72	8.13	232				
	3		Tenkiller	5/21/2000		0		12.89	8.86	209				
	3		Tenkiller	5/21/2000		2		12.41	8.83	216				
	3		Tenkiller	5/21/2000		4		7.49	8.13	235				
	3		Tenkiller	5/21/2000		6		5.64	7.81	232				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
	3		Tenkiller	5/21/2000		8		3	7.41	246				
	3		Tenkiller	5/21/2000		10		0.68	7.27	249				
	3		Tenkiller	5/21/2000		12		0.24	7.24	250				
	3		Tenkiller	6/25/2001		0		11.41	9.03	158				
	3		Tenkiller	6/25/2001		2		11.48	9.08	159				
	3		Tenkiller	6/25/2001		4		5.77	7.75	184				
	3		Tenkiller	6/25/2001		6		4.21	7.36	192				
	3		Tenkiller	6/25/2001		8		5.02	7.28	202				
	3		Tenkiller	6/25/2001		10		4.57	7.23	199				
	3		Tenkiller	6/25/2001		12		4.16	7.13	190				
	3		Tenkiller	6/25/2001		14		2.75	7.02	178				
	3		Tenkiller	6/25/2001		16		2.94	7	173				
	3		Tenkiller	6/25/2001		18		1.52	6.96	171				
	3		Tenkiller	10/1/2000		0		7.26	9.17					
	3		Tenkiller	10/1/2000		2		7.26	9.19					
	3		Tenkiller	10/1/2000		4		7.3	8.93					
	3		Tenkiller	10/1/2000		6		6.91	8.89					
	3		Tenkiller	10/1/2000		8		7.08	8.8					
	3		Tenkiller	10/1/2000		10		7.15	8.43					
	3		Tenkiller	10/1/2000		12		6.35	8.13					
	3		Tenkiller	10/1/2000		14		5.68						
	3		Tenkiller	10/1/2000		16		3.91						
	3		Tenkiller	9/14/2001		0		10.6	8.95					
	3		Tenkiller	9/14/2001		2		10.6	8.92					
	3		Tenkiller	9/14/2001		4		6.2	8.01					
	3		Tenkiller	9/14/2001		6		4.91	7.67					
	3		Tenkiller	9/14/2001		8		4.53	7.63					
	3		Tenkiller	9/14/2001		10		3.83	7.51					
	3		Tenkiller	9/14/2001		12		3.78	7.44					

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
	3		Tenkiller	9/14/2001		14		3.3	7.39					
	3		Tenkiller	9/14/2001		16		0.33	7.19					
	3		Tenkiller	12/7/2001		0		10.23	9.18	212				
	3		Tenkiller	12/7/2001		2		10.18	9.19	213				
	3		Tenkiller	12/7/2001		4		10.23	9.2	213				
	3		Tenkiller	12/7/2001		6		9.92	9.14	215				
	3		Tenkiller	12/7/2001		8		9.88	9.13	216				
	3		Tenkiller	12/7/2001		10		9.66	9.04	228				
	3		Tenkiller	12/7/2001		12		9.68	9.01	250				
	3		Tenkiller	12/7/2001		14		9.4	8.92	262				
	3		Tenkiller	12/7/2001		16		8.92	8.8	269				
	3		Tenkiller	12/7/2001		18		8.82	8.78	270				
	4		Tenkiller	2/9/2000		0		17.02	9.07	255				
	4		Tenkiller	2/9/2000		2		16.63	8.97	260				
	4		Tenkiller	2/9/2000		4		16.1	8.93	262				
	4		Tenkiller	2/9/2000		6		16.13	8.93	262				
	4		Tenkiller	3/20/2000		0		9.91	8.72	251				
	4		Tenkiller	3/20/2000		2		9.74	8.61	252				
	4		Tenkiller	3/20/2000		4		9.48	8.54	253				
	4		Tenkiller	3/20/2000		6		9.2	8.51	253				
	4		Tenkiller	3/20/2000		8		9.3	8.57	252				
	4		Tenkiller	5/21/2000		0		14.35	8.98	215				
	4		Tenkiller	5/21/2000		2		10.8	8.81	213				
	4		Tenkiller	5/21/2000		4		7.9	8.2	238				
	4		Tenkiller	5/21/2000		6		4.8	7.56	248				
	4		Tenkiller	6/25/2000		0		13.34	9.2	156				

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
	4		Tenkiller	6/25/2000		2		9.94	8.89	164				
	4		Tenkiller	6/25/2000		4		4.21	7.4	189				
	4		Tenkiller	6/25/2000		6		4.1	7.31	194				
	4		Tenkiller	6/25/2000		8		3.57	7.23	199				
	4		Tenkiller	6/25/2000		10		2.69	7.22	201				
	4		Tenkiller	10/1/2000		0		13.5	9.71	213				
	4		Tenkiller	10/1/2000		2		11.7	9.54	211				
	4		Tenkiller	10/1/2000		4		10.74	9.31	215				
	4		Tenkiller	10/1/2000		6		5.99	8.18	298				
	4		Tenkiller	9/14/2001		0		15.86	9.21					
	4		Tenkiller	9/14/2001		2		12.23	8.88					
	4		Tenkiller	9/14/2001		4		6.59	7.72					
	4		Tenkiller	9/14/2001		6		5.42	7.63					
	4		Tenkiller	12/7/2001		0		11.37	9.23	274				
	4		Tenkiller	12/7/2001		2		10.37	8.95	285				
	4		Tenkiller	12/7/2001		4		10.35	8.98	282				
	4		Tenkiller	12/7/2001		6		9.87	8.91	289				
	5		Tenkiller	2/9/2000			not sampled / too windy							
	5		Tenkiller	3/20/2000			not sampled							
	5		Tenkiller	5/21/2000			not sampled							
	5		Tenkiller	6/25/2000			not sampled							

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
	5		Tenkiller	10/1/2000			not sampled							
	6		Tenkiller	2/9/2000		0		11.92	8.04	285				
	6		Tenkiller	2/9/2000		2		11.67	8.01	286				
	6		Tenkiller	2/9/2000		4		10.75	7.89	286				
	6		Tenkiller	3/20/2000		0		9.35	8.25	258				
	6		Tenkiller	3/20/2000		2		9.41	8.25	259				
	6		Tenkiller	3/20/2000		4		9.34	8.2	259				
	6		Tenkiller	5/21/2000		0		8.51	8.12	245				
	6		Tenkiller	5/21/2000		2		7.2	7.8	249				
	6		Tenkiller	5/21/2000		4		7	7.77	250				
	6		Tenkiller	6/25/2000		0		8.11	7.51	216				
	6		Tenkiller	6/25/2000		2		7.61	7.47	221				
	6		Tenkiller	6/25/2000		4		7.44	7.48	221				
	6		Tenkiller	6/25/2000		6		7.28	7.45	221				
	6		Tenkiller	10/1/2000		0		8.96	8.38	288				
	6		Tenkiller	9/14/2001			not sampled / too low to get to site							

Hydrolab #	Site	County	Group name	Date	Last Calibration	Dep100	DO%	DO	pH	SpCond	Sal	ORP	TDS	Comments
	6		Tenkiller	12/7/2001			not sampled / too low to get to site							

Appendix F

Blue Thumb Data

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
14th and Lewis	8/18/1997										0.16
16th and Utica	7/29/1997										0.4
Adams Creek: Oak Grove Rd.	5/29/1996								130		
Adams Creek: Oak Grove Rd.	5/30/1996										<0.1
Adams Creek: Oak Grove Rd.	6/24/1996								120		
Adams Creek: Oak Grove Rd.	6/27/1996	4	55	7.5	0.09	0.0	0.033	35			<0.1
Adams Creek: Oak Grove Rd.	7/16/1996								80		
Adams Creek: Oak Grove Rd.	7/25/1996	5	60	7.5	0.00	0.5	0.040	25			0.1
Adams Creek: Oak Grove Rd.	8/26/1996								140		
Adams Creek: Oak Grove Rd.	8/28/1996										<0.1
Adams Creek: Oak Grove Rd.	9/5/1996	5	58	8.0	0.00	0.3	0.027	25			
Adams Creek: Oak Grove Rd.	9/23/1996								20		
Adams Creek: Oak Grove Rd.	9/25/1996										<0.1
Adams Creek: Oak Grove Rd.	10/2/1996	6	62	7.5	0.32	0.0	0.000	5			
Adams Creek: Oak Grove Rd.	10/31/1996	6	56	7.5	0.11	0.0	0.033	20			
Adams Creek: Oak Grove Rd.	12/3/1996	14	115	7.5	0.00	0.0	0.007	10			
Adams Creek: Oak Grove Rd.	1/2/1997	11	102	8.0	0.00	0.0	0.000	10			
Adams Creek: Oak Grove Rd.	1/31/1997	16	110	8.0	0.00	0.0	0.130	10			
Adams Creek: Oak Grove Rd.	2/27/1997	14	120	7.5	0.06	0.0	0.000	5			
Adams Creek: Oak Grove Rd.	3/27/1997	12	122	7.5	0.07	0.0	0.027	10			
Adams Creek: Oak Grove Rd.	4/24/1997	9	91	8.0	0.02	0.0	0.170	20			
Adams Creek: Oak Grove Rd.	5/19/1997								260		<0.1
Adams Creek: Oak Grove Rd.	5/29/1997	5	60	7.5	0.17	0.0	0.630	80			
Adams Creek: Oak Grove Rd.	6/23/1997								210		<0.1
Adams Creek: Oak Grove Rd.	6/30/1997	6	70	7.5	0.11	0.0	0.000	15			
Adams Creek: Oak Grove Rd.	7/28/1997								<10		0.135
Adams Creek: Oak Grove Rd.	7/29/1997										0.1
Adams Creek: Oak Grove Rd.	8/1/1997	4	55	7.5	0.26	0.0	0.093	18			
Adams Creek: Oak Grove Rd.	8/18/1997										<.1
Adams Creek: Oak Grove Rd.	8/26/1997	4	55	7.5	0.25	0.5	0.043	15			
Adams Creek: Oak Grove Rd.	8/28/1997								110		
Adams Creek: Oak Grove Rd.	9/22/1997								400		<0.1

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Adams Creek: Oak Grove Rd.	9/24/1997	6	75	7.5	0.28	0.0	0.090	15			
Adams Creek: Oak Grove Rd.	10/31/1997	6	65	7.5	0.00	0.0	0.073	15			
Adams Creek: Oak Grove Rd.	11/25/1997	7	64	7.5	0.00	0.0	0.043	15			
Adams Creek: Oak Grove Rd.	1/2/1998	5	46	7.5	0.21	0.0	0.017	28			
Adams Creek: Oak Grove Rd.	1/30/1998	11	90	7.5	0.00	0.0	0.000	20			
Adams Creek: Oak Grove Rd.	2/27/1998	8	78	8.0	0.02	0.0	0.000	20			
Adams Creek: Oak Grove Rd.	3/30/1998	8	90	7.5	0.00	0.4	0.035	20			
Adams Creek: Oak Grove Rd.	4/30/1998	8	74	7.5	0.14	0.0	0.015	10			
Adams Creek: Oak Grove Rd.	5/21/1998	8	90	7.5	0.11	0.0	0.050	20			
Adams Creek: Oak Grove Rd.	5/21/1998								63		< 0.1
Adams Creek: Oak Grove Rd.	6/18/1998	5	65	7.5	0.09	0.0	0.025	20			
Adams Creek: Oak Grove Rd.	6/18/1998								410		< 0.1
Adams Creek: Oak Grove Rd.	7/23/1998								520		< 0.1
Adams Creek: Oak Grove Rd.	8/4/1998	2	27	8.0	0.00	0.0	0.035	15			
Adams Creek: Oak Grove Rd.	8/27/1998	2	30	8.0	0.08	0.0	0.150	25	11		
Adams Creek: Oak Grove Rd.	8/28/1998										< 0.1
Adams Creek: Oak Grove Rd.	9/22/1998	2	30	7.5	0.05	0.0	0.060	10		620	< 0.1
Adams Creek: Oak Grove Rd.	11/3/1998	7	75	7.5	0.12	0.0	0.000	5			
Adams Creek: Oak Grove Rd.	12/1/1998	7	70	7.5	0.14	0.0	0.060	5			
Adams Creek: Oak Grove Rd.	1/27/1999	10	95	7.5	0.08	0.0	0.036	50			
Adams Creek: Oak Grove Rd.	3/1/1999	11	110	8.5	0.00	0.0	0.024	40			
Adams Creek: Oak Grove Rd.	3/25/1999	10	90	8.0	0.04	0.0	0.040	15			
Adams Creek: Oak Grove Rd.	5/4/1999	7	80	7.5	0.20	0.0		5			
Adams Creek: Oak Grove Rd.	5/26/1999	8	95	7.5	0.07	0.0	0.093	5		> 2400	< 0.1
Adams Creek: Oak Grove Rd.	6/23/1999	7	90	7.5	0.02	0.0	0.000	5			
Adams Creek: Oak Grove Rd.	6/24/1999									> 2400	< 0.1
Adams Creek: Oak Grove Rd.	7/29/1999	4	60	7.5	0.08		0.027	10		160	< 0.1
Adams Creek: Oak Grove Rd.	8/26/1999									22	< 0.1
Adams Creek: Oak Grove Rd.	8/27/1999	4	55	7.5	0.04	0.0	0.047	0			
Adams Creek: Oak Grove Rd.	9/7/1999										< 0.1
Adams Creek: Oak Grove Rd.	9/21/1999	8	80	7.5	0.38	0.0	0.090	0			
Adams Creek: Oak Grove Rd.	9/23/1999									190	.122
Adams Creek: Oak Grove Rd.	10/26/1999	4	38	7.5	0.00	0.0	0.024	10			
Adams Creek: Oak Grove Rd.	11/30/1999	4	40	7.5	0.09	0.0	0.055	10			
Adams Creek: Oak Grove Rd.	1/3/2000	6	55	8.0	0.00	0.0	0.000	20			
Adams Creek: Oak Grove Rd.	2/1/2000	2	18	8.0	0.10	0.0	0.000	25			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Adams Creek: Oak Grove Rd.	2/29/2000	4	40	7.5	0.11	0.0	0.040	15			
Adams Creek: Oak Grove Rd.	3/28/2000	6	62	8.0	0.00	0.0	0.000	10			
Adams Creek: Oak Grove Rd.	4/25/2000	6	66	8.0	0.01	0.0	0.000	20			
Adams Creek: Oak Grove Rd.	5/24/2000									75	< 0.1
Adams Creek: Oak Grove Rd.	5/25/2000	6	80	7.7	0.90	0.0		15			
Adams Creek: Oak Grove Rd.	6/29/2000	5	70	7.5	0.00	0.0	0.077	5			< 0.1
Adams Creek: Oak Grove Rd.	7/27/2000									>2400	0.21
Adams Creek: Oak Grove Rd.	7/31/2000	6	68	7.5	0.08	0.0	0.067	5			
Adams Creek: Oak Grove Rd.	8/24/2000	2	30	7.5	0.00		0.033	10		60	< 0.1
Adams Creek: Oak Grove Rd.	9/28/2000	2	25	7.5	0.02	0.0	0.000	10			
Adams Creek: Oak Grove Rd.	10/31/2000	4	50	7.5	0.00	0.0	0.027	5			
Adams Creek: Oak Grove Rd.	12/5/2000	4	30	7.5	0.10	0.0	0.020	10			
Adams Creek: Oak Grove Rd.	1/30/2001	6	52	7.5	0.05	0.0	0.000	10			
Adams Creek: Oak Grove Rd.	2/26/2001	6	50	7.5	0.02	0.0	0.000	10			
Adams Creek: Oak Grove Rd.	3/20/2001	8	70	7.5	0.05	0.0	0.000	15			
Adams Creek: Oak Grove Rd.	4/23/2001	3	34	7.5	0.20	0.2	0.000	15			
Adams Creek: Oak Grove Rd.	5/23/2001	6	64	7.7	0.18	0.0	0.000	15			
Adams Creek: Oak Grove Rd.	5/31/2001									2000	0.26
Adams Creek: Oak Grove Rd.	6/28/2001	6	75	7.6	0.05	0.0	0.001	10		140	< 0.1
Adams Creek: Oak Grove Rd.	7/24/2001	5	67	7.5	0.00	0.0	0.000	15			
Adams Creek: Oak Grove Rd.	7/26/2001									>2400	
Adams Creek: Oak Grove Rd.	8/30/2001	1	15	7.7		1.4	0.080	15			
Adams Creek: Oak Grove Rd.	9/26/2001	2	19	7.5	0.00	0.0	0.033	10			
Adams Creek: Oak Grove Rd.	9/27/2001									38	
Adams Creek: Oak Grove Rd.	10/24/2001	2	18	7.0		0.0	0.033	10			
Adams Creek: Oak Grove Rd.	11/26/2001	5	46	7.4	0.06	0.0	0.027	10			
Adams Creek: Oak Grove Rd.	12/17/2001	3	28	7.5	0.29	0.0	0.100	10			
Ballard Creek: E0660	3/28/2001	12	110	7.8	0.60	0.3	0.060	4			
Ballard Creek: E0660	4/26/2001	9	105	7.5	0.03	0.3	0.070	55			
Ballard Creek: E0660	5/30/2001	9	100	7.5	0.48	0.0	0.146	15			
Bandy Creek: Pleasant Hill Road	10/2/1999	8	84	7.5	0.10	0.0	0.020	25			
Bandy Creek: Pleasant Hill Road	11/6/1999	5	53	7.0	0.00	0.0	0.100	25			
Bandy Creek: Pleasant Hill Road	12/4/1999	6	64	7.0	0.14	0.0	0.100	20			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Bandy Creek: Pleasant Hill Road	1/3/2000	9	84	7.5	0.22	0.3	0.060	15			
Bandy Creek: Pleasant Hill Road	2/20/2000	6	50	7.0	0.20	0.5	0.020	15			
Bandy Creek: Pleasant Hill Road	3/12/2000	7	63	7.5	0.22	0.7	0.113	15			
Bandy Creek: Pleasant Hill Road	4/1/2000	3	34	7.0	0.20	0.9	0.160	20			
Bandy Creek: Pleasant Hill Road	5/3/2000	7	80	7.0	0.20	0.3	0.166	15			
Bandy Creek: Pleasant Hill Road	6/12/2000	3	40	7.0	0.13	0.7	0.120	25			
Bandy Creek: Pleasant Hill Road	6/30/2000	5	64	7.5	0.08	0.5	0.146	15			
Bandy Creek: Pleasant Hill Road	7/28/2000	2	27	7.5	0.10	3.5	0.230	20			
Bandy Creek: Pleasant Hill Road	8/30/2000	2	30	7.0	0.00	0.3	0.086	15			
Bandy Creek: Pleasant Hill Road	10/7/2000	5	54	7.0	0.20	0.0	0.146	20			
Bandy Creek: Pleasant Hill Road	11/7/2000	7	74	7.0	0.50	1.5	0.020	20			
Bandy Creek: Pleasant Hill Road	12/2/2000	11	95	7.5	0.50	0.4	0.000	15			
Bandy Creek: Pleasant Hill Road	1/9/2001	8	64	7.0	0.20	0.3	0.000	10			
Bandy Creek: Pleasant Hill Road	2/3/2001	12	95	7.5	0.12	0.0	0.033	10			
Bandy Creek: Pleasant Hill Road	3/9/2001	6	55	7.0	0.10	0.3	0.000	10			
Bandy Creek: Pleasant Hill Road	3/31/2001	9	92	7.0	0.02	0.0	0.030	10			
Bandy Creek: Pleasant Hill Road	4/28/2001	4	50	7.0	0.20	0.7	0.093	15			
Bandy Creek: Pleasant Hill Road	6/6/2001	5	67	7.0	0.10	0.0	0.060	10			
Bandy Creek: Pleasant Hill Road	7/7/2001	2	33	7.0	0.00	0.5	0.120	20			
Bandy Creek: Pleasant Hill Road	8/3/2001	1	16	7.0	0.10	2.0	0.007	20			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Bandy Creek: Pleasant Hill Road	9/10/2001	6	71	7.0	0.24	0.7	0.067	15			
Bandy Creek: Pleasant Hill Road	10/7/2001	6	62	7.0	0.20	0.0	0.067	20			
Bandy Creek: Pleasant Hill Road	11/6/2001	5	57	7.0	0.22	0.5	0.100	10			
Bandy Creek: Pleasant Hill Road	12/3/2001	4	39	7.0	0.02	0.7	0.013	15			
Barna Pond	6/2/1995	9	110	7.5	0.00	0.0		20			
Barna Pond	6/28/1995	9	110	7.5	0.00	0.0		11	10		<0.1
Barna Pond	7/24/1995										0.13
Barna Pond	7/26/1995								45		
Barna Pond	7/28/1995	9	110	8.0	0.00	0.0	0.000	65			
Barna Pond	8/21/1995								<10		
Barna Pond	8/30/1995	8	85	8.0	0.00	0.0	0.020	200			
Barna Pond	8/31/1995										<0.1
Barna Pond	9/27/1995	9	95	8.0	0.00	0.0	0.000	330	<10		0.18
Barna Pond	11/6/1995	9	85	8.0	0.00	0.0	0.000	50			
Barna Pond	11/30/1995	12	100	8.0	0.00	0.0	0.000	220			
Barna Pond	12/28/1995	11	85	7.5	0.00	0.0	0.000	75			
Barna Pond	1/24/1996	12	90	7.5	0.02	0.0	0.000	120			
Barna Pond	2/29/1996	10	80	8.0	0.00	0.0	0.000	25			
Barna Pond	3/26/1996	11	90	8.0	0.00	0.0	0.000	120			
Barna Pond	5/10/1996	10	100	8.0	0.00	0.0	0.000	120			
Bishop Creek: Chesapeake or Constitution?	3/31/1999	13	135	8.0		0.3	0.020	70			
Bishop Creek: Chesapeake or Constitution?	5/24/1999	10	120	8.0	0.20	0.0	0.066	30			
Bishop Creek: Chesapeake or Constitution?	6/28/1999	9	120	8.0	0.49	0.0	0.080	70			
Bishop Creek: Chesapeake or Constitution?	7/26/1999	6	82	8.3	0.10	0.0	0.273	60			
Bishop Creek: Chesapeake or Constitution?	9/26/1999	9		8.4	0.18	0.0	0.093	20			
Bishop Creek: Chesapeake or Constitution?	10/24/1999	8	75	8.0	0.06	0.0	0.027	20			
Bishop Creek: Chesapeake or Constitution?	11/21/1999	6	55	8.0	0.00	0.0	0.046	35			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Bishop Creek: Chesapeake or Constitution?	12/20/1999	10	73	8.0		0.3	0.167	30			
Bishop Creek: Chesapeake or Constitution?	2/4/2000	11	90	8.0	0.30	0.3	0.047	240			
Bishop Creek: Chesapeake or Constitution?	3/5/2000	9	95	8.0	0.17	0.0	0.080	40			
Bishop Creek: Chesapeake or Constitution?	3/26/2000	12	140	8.0	0.22	0.3	0.100	45			
Bluff Creek: NW 150th	8/25/1998	6	80	7.5	0.02	0.1	0.060	45			
Bluff Creek: NW 150th	2/23/1999	10	83	8.0	0.00	0.0	0.000	90			
Bluff Creek: NW 150th	5/2/1999	10	134	8.0	0.20	0.0	0.073	80			
Bluff Creek: NW 150th	6/19/1999	9	106	7.8	0.22	0.0	0.220	55			
Bluff Creek: NW 150th	7/4/1999	9	120	7.3	0.30	0.0	0.070	70			
Bluff Creek: NW 150th	7/25/1999	11	150	8.0	0.22	0.0	0.127	95			
Bluff Creek: NW 150th	8/29/1999	8	110	8.0	0.20	0.0	0.127	120			
Bluff Creek: NW 150th	9/26/1999	11	130	8.0	0.15	0.0	0.080	55			
Bluff Creek: NW 150th	11/3/1999	12	110	8.0	0.10	0.0	0.060	65			
Bluff Creek: NW 150th	11/28/1999	10	92	8.0	0.00	0.0	0.040	90			
Bluff Creek: NW 150th	1/2/2000	12	105	8.0	0.06	0.0	0.010	70			
Bluff Creek: NW 150th	1/30/2000	14	100	8.0	0.12	0.0	0.030	105			
Bluff Creek: NW 150th	2/27/2000	13	125	8.0	0.14	0.0	0.070	70			
Bluff Creek: NW 150th	3/26/2000	11	125	8.2	0.13	0.0	0.060	75			
Bluff Creek: NW 150th	5/7/2000	8	110	8.0	0.30	0.4	0.060	70			
Bluff Creek: NW 150th	6/4/2000	8	105	8.0	0.20	0.0	0.087	55			
Bluff Creek: NW 150th	7/10/2000	9	125	8.0	0.20	0.0	0.070	65			
Bluff Creek: NW 150th	10/5/2000	8	90	7.7	0.06	0.0	0.100	160			
Bluff Creek: NW 150th	10/29/2000	10	110	8.2	0.20		0.160	60			
Bluff Creek: NW 150th	12/31/2000	9	80	8.0		0.0	0.150	55			
Bluff Creek: NW 150th	8/7/2001	8	112	8.0	0.08	0.0	0.087	160			
Bluff Creek: NW 150th	9/9/2001	11	134	8.0	0.10	0.0	0.100	90			
Bluff Creek: NW 150th	10/7/2001	17	115	8.0	0.10	0.0	0.068	100			
Bluff Creek: NW 150th	11/4/2001	8	87	7.5	0.02	0.0	0.080	120			
Bluff Creek: NW 150th	12/2/2001	9	77	8.0	0.02	0.0	0.033	120			
Bohannon Creek: E 1595	3/27/2001	10	98	6.5	0.00	0.0	0.000	10			
Bohannon Creek: E 1595	5/21/2001	8	87	6.5	0.10	0.0	0.006	5			
Broken Arrow Creek: 101st S	9/21/1996	6	60	7.0	0.00	0.3	0.000	15			
Brush Creek	2/18/1999	10	90	7.5	0.30	0.0	0.015	20			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Brush Creek	3/24/1999			7.5	0.45	0.0	0.025	40			
Brush Creek	4/29/1999	10	97	7.5	0.80	0.0	0.030	15			
Brush Creek	5/29/1999	9	90	7.5	0.27	0.0	0.025	70			
Brush Creek	6/27/1999	9	99	7.5	0.35	0.1	0.020	15			
Brush Creek	7/29/1999	8	90	7.5	0.33	0.1	0.028	25			
Brush Creek	8/29/1999	8	101	7.5	0.49	0.1	0.026	55			
Brush Creek	9/29/1999	7	85	7.3	0.60	0.1	0.025	25			
Brush Creek	9/30/1999	9	85	7.4	0.33	0.1	0.026	23			
Brush Creek	10/26/1999	8	80	7.5	0.30	0.1	0.026	20			
Brush Creek	12/28/1999	9	85	7.5	0.90	0.1	0.017	20			
Brush Creek	1/23/2000	9	87	7.5	0.33	0.1	0.020	15			
Brush Creek	2/25/2000	9	85	7.6	0.30	0.1	0.030	15			
Brush Creek	3/29/2000	9	90	7.5	0.40	0.1	0.030	15			
Brush Creek	4/29/2000	9	93	7.4	0.23	0.1	0.026	20			
Brush Creek	5/26/2000	9	92	7.5	0.26	0.1	0.030	15			
Brush Creek	6/29/2000	9	95	7.7	0.35	0.1	0.026				
Brush Creek	7/28/2000	9	98	7.5	0.24	0.1	0.030	15			
Brush Creek	8/8/2000	9	107	7.5	0.22	0.1	0.040	20			
Buckhorn Creek: Binderim	10/15/2001	10	116	7.8	0.30	0.0	0.030	20			
Cave Springs Branch	2/18/1999	10	95	7.0	1.25	0.0	1.660	75			
Cave Springs Branch	3/24/1999			7.5	0.95	0.0	0.750	55			
Cave Springs Branch	4/28/1999	6	60	7.5	2.50	0.0	0.250	40			
Cave Springs Branch	5/28/1999	8	80	7.3	0.49	0.0	0.080	75			
Cave Springs Branch	6/26/1999	8	82	7.3	3.00	0.1	0.150	20			
Cave Springs Branch	7/28/1999	7	80	7.4	2.95	0.2	0.233	25			
Cave Springs Branch	8/30/1999	9	105	7.5	3.00	0.1	0.130	75			
Cave Springs Branch	9/28/1999	7	80	7.4	0.55	0.1	0.150	25			
Cave Springs Branch	9/30/1999	12	110	7.5	0.95	0.4	0.167	25			
Cave Springs Branch	10/27/1999	7	70	7.5	0.95	0.1	0.050	25			
Cave Springs Branch	12/29/1999	8	80	7.4	0.85	0.1	0.035	25			
Cave Springs Branch	1/25/2000	8	80	7.6	1.00	0.1	0.047	20			
Cave Springs Branch	2/26/2000	9	85	7.5	0.89	0.1	0.030	15			
Cave Springs Branch	3/28/2000	9	90	7.4	0.95	0.2	0.040	15			
Cave Springs Branch	4/30/2000	9	91	7.6	0.60	0.2	0.060	15			
Cave Springs Branch	5/27/2000	8	82	7.4	0.70	0.2	0.046	20			
Cave Springs Branch	6/28/2000	9	95	7.7	0.89	0.3	0.053	15			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Cave Springs Branch	7/27/2000	9	100	7.3	0.50	0.1	0.040	20			
Cave Springs Branch	8/27/2000	8	95	7.4	0.65	0.1	0.046	15			
Chelsea Pond	9/30/1995	8	90	8.0	0.46	0.1	0.000				
Chisholm Creek: Western	5/13/1999	9	97	8.0	0.15	0.0	0.130	90			
Chisholm Creek: Western	6/14/1999	4	55	7.5	0.35	0.0	0.300	80			
Chisholm Creek: Western	7/9/1999	6	80	8.0	0.50	0.0	0.100	180			
Chisholm Creek: Western	8/6/1999	5	77	7.5	0.10	0.0	0.087	160			
Chisholm Creek: Western	9/17/1999	12	127	7.5	0.18	0.3	0.153	60			
Chisholm Creek: Western	10/18/1999	7	75	7.5	0.00	0.0	0.000	140			
Chisholm Creek: Western	11/19/1999	4	43	7.5	0.00	0.0	0.220	140			
Chisholm Creek: Western	12/13/1999	11	90	8.0	0.20	0.0	0.030	65			
Chisholm Creek: Western	1/14/2000	13	96	7.5	0.00	0.0	0.020	140			
Chisholm Creek: Western	2/15/2000	4	40	8.0	0.00	0.0	0.013	220			
Chisholm Creek: Western	3/20/2000	12	120	8.0	0.34	0.0	0.020	90			
Chisholm Creek: Western	4/28/2000	5	60	7.5	0.00	0.0	0.100	65			
Chisholm Creek: Western	5/22/2000	6	70	7.5	0.08	1.0	0.133	95			
Chisholm Creek: Western	6/23/2000	7	95	7.5	0.08	0.0	0.100	50			
Chisholm Creek: Western	7/25/2000	3	37	8.0	0.14	0.0	0.160	100			
Chisholm Creek: Western	8/25/2000	10	140	8.0	0.00	0.3	0.000	260			
Chisholm Creek: Western	9/21/2000	4	49	8.0	0.00	0.0	0.070	180			
Chisholm Creek: Western	11/15/2000	1	13	7.5	0.16	0.0	0.090	40			
Chisholm Creek: Western	8/20/2001	12	160	7.5	0.22	0.5	0.047	999			
Chisholm Creek: Western	9/14/2001	8	95	8.0	0.22	0.0	0.100	200			
Chisholm Creek: Western	11/13/2001	6	62	7.5	0.00	0.0	0.113	160			
Chisholm Creek: Western	12/12/2001	7	73	7.5	0.20	0.0	0.033	95			
Chisholm Creek: Western	12/13/2001	7	55	7.5	0.25	0.0	0.007	200			
Cindy Creek: NS377	11/15/1999	12	120	8.0	0.20	0.0	0.070	45			
Cindy Creek: NS377	1/11/2000	14	103	7.5	0.30	0.0	0.020	45			
Cindy Creek: NS377	3/23/2000										
Cindy Creek: NS377	6/5/2000	8	95	8.0	0.13	0.0	0.020	25			
Cindy Creek: NS377	7/11/2000	8	112	8.0	0.15	0.0	0.020	15			
Coal Creek: Hwy 11	9/24/1996	7	76	7.5	0.00	0.0	0.030	20			
Coal Creek: Hwy 11	10/28/1996	7	67	7.7	0.30	0.0	0.000	15			
Coal Creek: Hwy 11	11/20/1996	5	50	8.0	0.08	0.2	0.060	25			
Coal Creek: Hwy 11	12/16/1996	12	90	8.0	0.20	0.0	0.040	20			
Coal Creek: Hwy 11	1/21/1997	8	94	8.0	0.00	0.0	0.030	35			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Coal Creek: Hwy 11	2/21/1997	8	66	7.5	0.20	0.4	0.130	30			
Coal Creek: Hwy 11	3/5/1997	8	73	8.0	0.14	0.1	0.010	30			
Coal Creek: Hwy 11	4/16/1997	6	80	7.5	0.76	0.2	0.020	40			
Coal Creek: Hwy 11	5/18/1997	5	50	7.5	0.10	0.0	0.000	35			
Coal Creek: Hwy 11	6/11/1997	7	90	7.5	0.13	0.2	0.010	45			
Coal Creek: Hwy 11	7/21/1997	8	95	7.4	0.20	0.2	0.070	35			
Coal Creek: Hwy 11	8/16/1997	8	99	7.5	0.00	0.0	0.040	25			
Coal Creek: Hwy 11	10/1/1997	6	65	7.5	0.00	0.0	0.013	25			
Coal Creek: Hwy 11	10/30/1997	8	75	7.5	0.00	0.1	0.002	35			
Coal Creek: Hwy 11	11/21/1997	6	50	7.5	0.00	0.0	0.030	40			
Coal Creek: Hwy 11	1/30/1998	9	80	7.8	0.00	0.1	0.000	30			
Coal Creek: Hwy 11	2/26/1998	8	72	7.8	0.00	0.0	0.013	25			
Coal Creek: Hwy 11	5/31/1998	4	50	7.5	0.02	0.0	0.013	30			
Coal Creek: Hwy 11	6/29/1998	8	100	8.0	0.02	0.0	0.033	25			
Coal Creek: Hwy 11	7/18/1998	1	14	8.0	0.04	0.0	0.030	30			
Coal Creek: Hwy 11	10/1/1998	6	70	7.5	0.40	0.3	0.020	30			
Coal Creek: Hwy 11	11/13/1998	10	90	8.0	0.06	0.1	0.035	40			
Coal Creek: Hwy 11	12/10/1998			7.5		0.1	0.000	30			
Coal Creek: Hwy 11	2/26/1999	11	105	7.5	0.00	0.0	0.000				
Coal Creek: Hwy 11	4/2/1999	8	95	7.8	0.35	0.0	0.010	45			
Coal Creek: Hwy 11	4/20/1999	6	70	7.5	0.04	0.0	0.010	30			
Coal Creek: Hwy 11	5/17/1999	8	85	7.5	0.60	0.4	0.150	15			
Coal Creek: Hwy 11	6/28/1999	8	95	8.0	0.20	0.0	0.050	25			
Coal Creek: Hwy 11	10/1/1999	9	91	7.5	0.10	0.0		40			
Coal Creek: Hwy 11	11/3/1999	9	78	7.5	0.03	0.0					
Coal Creek: Hwy 11	3/1/2000	10	88	7.5	0.03	0.0	0.046				
Coal Creek: Hwy 11	9/27/2001	8	80	8.0	0.00	0.0	0.033	35			
Coal Creek: Morris Park	2/25/1998	10	99	7.5	0.40	999.0	0.150	85			
Coal Creek: Morris Park	2/25/1998	10	99	7.5	0.40	999.0	0.167	85			
Coffee Creek: N. Sooner Rd.	5/13/1999	9	105	8.0	0.00	0.0	0.040	240			
Coffee Creek: N. Sooner Rd.	6/14/1999	7	100	8.0	0.05	1.0	0.067	999			
Coffee Creek: N. Sooner Rd.	7/9/1999	8	110	8.0	0.13	0.9	0.066	999			
Coffee Creek: N. Sooner Rd.	8/6/1999	10	135	8.0	0.00	0.0	0.040	999			
Coffee Creek: N. Sooner Rd.	9/23/1999	5	60	8.0	0.02	0.3	0.067	999			
Coffee Creek: N. Sooner Rd.	10/25/1999	4	38	8.0	0.00	0.0	0.007	999			
Coffee Creek: N. Sooner Rd.	11/23/1999			8.0	0.00	0.0	0.030	999			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Coffee Creek: N. Sooner Rd.	12/15/1999	1	12	8.0	0.00	0.0	0.020	420			
Coffee Creek: N. Sooner Rd.	1/25/2000	3	30	8.0	0.00	0.0	0.007	999			
Coffee Creek: N. Sooner Rd.	2/22/2000	7	71	8.0	0.02	0.0	0.033	360			
Crow Creek: Cascia Hall	9/29/1996	11	115	7.8	0.30	0.0	0.100	45			
Crow Creek: Cascia Hall	10/30/1996	8	80	7.5	0.75	0.0	0.040	30			
Crow Creek: Cascia Hall	12/4/1996	9	80	7.5	0.50	0.0	0.100	35			
Crow Creek: Cascia Hall	1/1/1997	10	96	8.0	0.30	0.0	0.030	180			
Crow Creek: Cascia Hall	2/7/1997	9	70	7.5	0.40		0.066	55			
Crow Creek: Cascia Hall	3/7/1997	9	88	8.0	0.58	0.0	0.033	85			
Crow Creek: Cascia Hall	3/31/1997	9	95	8.0	0.60	0.2	0.000	220			
Crow Creek: Cascia Hall	5/26/1997	6	65	7.5	0.40	0.0	0.000	105			
Crow Creek: Cascia Hall	7/6/1997	6	61	8.0	0.10	0.0	0.000	20			
Crow Creek: Cascia Hall	7/25/1997	6	84	8.0	0.10	0.0	0.030	55			
Crow Creek: Zink Park	7/24/1995	8	112	7.5	0.20	0.0	0.033				0.3
Crow Creek: Zink Park	7/26/1995								4,900		
Crow Creek: Zink Park	7/31/1995								390		
Crow Creek: Zink Park	8/7/1995								1800		
Crow Creek: Zink Park	8/16/1995								320		
Crow Creek: Zink Park	8/21/1995								810		
Crow Creek: Zink Park	8/28/1995								12,000		
Crow Creek: Zink Park	8/31/1995										10.0
Crow Creek: Zink Park	9/6/1995								630		
Crow Creek: Zink Park	9/12/1995								53,000		
Crow Creek: Zink Park	9/18/1995								16,000		
Crow Creek: Zink Park	9/27/1995								1400		0.51
Crow Creek: Zink Park	10/30/1995	7	76	7.5	0.80	0.1	0.040	115			
Crow Creek: Zink Park	11/28/1995	11	92	7.5	0.20	0.0	0.030	87			
Crow Creek: Zink Park	12/30/1995	11	86	7.5	0.34	0.0	0.083	180			
Crow Creek: Zink Park	1/27/1996	10	75	7.5	0.40	0.0	0.003	140			
Crow Creek: Zink Park	2/25/1996	9	91	7.5	0.02	0.0	0.038	92			
Crow Creek: Zink Park	3/2/1996	11	97	7.5	0.30	0.0	0.067				
Crow Creek: Zink Park	3/9/1996	14	110	7.0	0.20	0.0	0.047				
Crow Creek: Zink Park	3/16/1996	8	82	7.5	2.00	0.5	0.127				
Crow Creek: Zink Park	3/27/1996	10	80	7.5	0.10	0.0	0.000	70			
Crow Creek: Zink Park	4/24/1996	10	100	7.5	0.00	0.0	0.040	40			
Crow Creek: Zink Park	5/29/1996	7	65	7.5	0.17	0.0	0.047		600		

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Crow Creek: Zink Park	5/30/1996										<0.1
Crow Creek: Zink Park	6/24/1996								93,000		
Crow Creek: Zink Park	6/26/1996	5	60	7.5	0.45	0.3	0.113	65			
Crow Creek: Zink Park	6/27/1996										0.54
Crow Creek: Zink Park	7/17/1996								740		
Crow Creek: Zink Park	7/31/1996	7	83	7.5	0.50	0.0	0.100	30			
Crow Creek: Zink Park	8/26/1996								43,000		
Crow Creek: Zink Park	8/28/1996	6	70	7.5	0.18	0.3	0.067	20			<0.1
Crow Creek: Zink Park	9/12/1996	8	104	7.5	0.20	0.0	0.113	80			
Crow Creek: Zink Park	9/23/1996								290		
Crow Creek: Zink Park	9/25/1996	6	67	7.5	0.25	0.0	0.107	120			0.175
Crow Creek: Zink Park	10/16/1996	9	100	7.5	0.20	0.0	0.033	45			
Crow Creek: Zink Park	10/30/1996	8	77	7.5	0.40	0.0	0.060	35			
Crow Creek: Zink Park	11/19/1996	10	95	7.5	0.14	0.3	0.140	30			
Crow Creek: Zink Park	11/19/1996	10	89	7.5	2.50	0.0	0.047	15			
Crow Creek: Zink Park	12/12/1996	10	76	7.5	0.30	0.0	0.066	30			
Crow Creek: Zink Park	12/18/1996	8	59	7.5	0.30	0.0	0.000	140			
Crow Creek: Zink Park	1/22/1997	11	86	8.0	0.72		0.066	100			
Crow Creek: Zink Park	1/30/1997	9	68	7.5	1.30	0.0	0.047	140			
Crow Creek: Zink Park	2/12/1997	11	80	7.5	0.20	0.0	0.000	55			
Crow Creek: Zink Park	2/25/1997	11	97	8.0	3.00	0.0	0.030	120			
Crow Creek: Zink Park	3/10/1997	10	95	8.0	0.03	0.0	0.033	30			
Crow Creek: Zink Park	3/26/1997	8	60	7.5	2.00	0.0	0.047	30			
Crow Creek: Zink Park	4/16/1997	7	72	7.5	0.00	0.0	0.067	15			
Crow Creek: Zink Park	4/23/1997	6	57	7.5	1.40	0.0	0.047	75			
Crow Creek: Zink Park	5/19/1997								3600		<0.1
Crow Creek: Zink Park	5/28/1997	6	64	7.5	0.50	0.2	0.127	25			
Crow Creek: Zink Park	6/1/1997	8	100	8.0	0.10	0.0	0.067	95			
Crow Creek: Zink Park	6/23/1997								16,000		<0.1
Crow Creek: Zink Park	6/25/1997	7	87	7.5	1.25	0.3	0.127	70			
Crow Creek: Zink Park	7/1/1997	6	70	8.0	0.70	0.0	0.067	60			
Crow Creek: Zink Park	7/19/1997			7.5	0.74	0.3	0.157	20			
Crow Creek: Zink Park	7/28/1997								60		0.11
Crow Creek: Zink Park	7/29/1997										0.33
Crow Creek: Zink Park	7/30/1997	6	74	7.5	0.40	0.0	0.100	35			
Crow Creek: Zink Park	8/1/1997	6	73	7.5	0.74	0.3	0.100	120			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Crow Creek: Zink Park	8/18/1997										0.178
Crow Creek: Zink Park	8/27/1997	8	90	8.0	1.30	0.1	0.065	100			
Crow Creek: Zink Park	8/28/1997								4300		
Crow Creek: Zink Park	9/4/1997	5	59	7.5	0.50	0.1	0.260	100			
Crow Creek: Zink Park	9/4/1997	5	59	7.5	0.50	0.0	0.260	102			
Crow Creek: Zink Park	9/22/1997								4100		<0.1
Crow Creek: Zink Park	9/24/1997	8	94	7.5	1.15	0.1	0.073	40			
Crow Creek: Zink Park	10/1/1997	6	70	7.5	0.10	0.0	0.130	110			
Crow Creek: Zink Park	10/30/1997	7	75	7.5	0.60	0.0	0.090	80			
Crow Creek: Zink Park	10/30/1997	5	48	7.5	0.40	0.0	0.130	75			
Crow Creek: Zink Park	10/31/1997								658	370	
Crow Creek: Zink Park	11/18/1997	8	70	7.5	0.40	0.0	0.070	150			
Crow Creek: Zink Park	11/25/1997	8	76	7.5	0.25	0.0	0.100	120			
Crow Creek: Zink Park	12/24/1997	10	86	7.5	1.90	0.0	0.171	15			
Crow Creek: Zink Park	1/28/1998	11	95	7.5	1.50	0.0	0.060	100			
Crow Creek: Zink Park	2/26/1998	7	70	7.5	0.70	0.0	0.033	170			
Crow Creek: Zink Park	3/25/1998	9	90	7.5	2.25	0.0	0.047	85			
Crow Creek: Zink Park	4/24/1998	8	76	7.5	1.50	0.0	0.040	200			
Crow Creek: Zink Park	5/21/1998								5800		< 0.1
Crow Creek: Zink Park	5/29/1998	8	94	7.5	1.20	0.0	0.080	160			
Crow Creek: Zink Park	6/18/1998								650		< 0.1
Crow Creek: Zink Park	6/24/1998	6	75	7.5	0.65	0.0	0.113	75			
Crow Creek: Zink Park	7/23/1998								620		< 0.1
Crow Creek: Zink Park	7/29/1998	6	85	8.0	0.33	0.0	0.090	180			
Crow Creek: Zink Park	8/26/1998	6	76	7.5	0.36	0.0	0.080	160			
Crow Creek: Zink Park	8/27/1998								770		
Crow Creek: Zink Park	8/28/1998										< 0.1
Crow Creek: Zink Park	9/22/1998									> 2400	0.88
Crow Creek: Zink Park	9/30/1998	6	76	7.5	0.49	0.0	0.160	160			
Crow Creek: Zink Park	10/30/1998	6	65	7.5	0.39	0.0	0.120	50			
Crow Creek: Zink Park	11/24/1998	5	50	7.5	0.41	0.0	0.129	130			
Crow Creek: Zink Park	12/29/1998	10	75	7.5	1.30	0.0	0.040	95			
Crow Creek: Zink Park	1/26/1999	10	87	7.5	1.35	0.0	0.020	80			
Crow Creek: Zink Park	2/25/1999	10	96	7.5	1.20	0.0	0.066	80			
Crow Creek: Zink Park	3/25/1999	11	103	8.0	1.75	0.0	0.060	60			
Crow Creek: Zink Park	4/29/1999	9	93	8.0	2.50	0.0	0.095	40			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Crow Creek: Zink Park	5/26/1999	7	76	7.5	1.10	0.0	0.113	25		> 2400	< 0.1
Crow Creek: Zink Park	6/24/1999	5	58	7.5	0.60	3.0	0.300	40		> 2400	< 0.1
Crow Creek: Zink Park	7/29/1999	7	91	7.5	0.60	0.0	0.005	95		260	< 0.1
Crow Creek: Zink Park	8/26/1999	6	70	7.5	0.40	0.0	0.143	75		180	< 0.1
Crow Creek: Zink Park	9/7/1999										0.31
Crow Creek: Zink Park	9/23/1999									410	.218
Crow Creek: Zink Park	9/30/1999	8	82	7.5	1.20	0.0	0.073	30			
Crow Creek: Zink Park	10/28/1999	8	83	7.5	0.37	0.0	0.068	55			
Crow Creek: Zink Park	11/24/1999	8	70	7.5	0.25	0.0	0.093	20			
Crow Creek: Zink Park	12/28/1999	11	83	7.5	0.80	0.0	0.043	55			
Crow Creek: Zink Park	2/8/2000	10	81	7.5	0.59	0.0	0.053	60			
Crow Creek: Zink Park	2/24/2000	9	87	7.5	0.43	0.0	0.057	25			
Crow Creek: Zink Park	3/28/2000	9	90	7.5	0.82	0.0	0.083	30			
Crow Creek: Zink Park	4/27/2000	8	85	7.5	0.64	0.0	0.093	55			
Crow Creek: Zink Park	5/24/2000									2000	< 0.1
Crow Creek: Zink Park	5/25/2000	6	70	7.5	0.26	0.2	0.133	10			
Crow Creek: Zink Park	6/29/2000	8	95	7.5	1.10	0.0	0.030	50			< 0.1
Crow Creek: Zink Park	7/14/2000	6	68	7.5	0.46	0.3	0.146	50			
Crow Creek: Zink Park	7/27/2000									>2400	0.59
Crow Creek: Zink Park	8/24/2000									730	.78
Crow Creek: Zink Park	8/30/2000	7	95	7.5		0.0					
Crow Creek: Zink Park	9/21/2000								1500	1400	< 0.1
Crow Creek: Zink Park	9/29/2000	8	77	7.5	0.06	0.0	0.123	20			
Crow Creek: Zink Park	10/26/2000	6	68	7.5	1.30	0.2	0.160	15			
Crow Creek: Zink Park	11/30/2000	10	87	7.5	0.72	0.0	0.050	35			
Crow Creek: Zink Park	12/21/2000	12	86	7.5	0.39	0.0	0.023	220			
Crow Creek: Zink Park	1/25/2001	12	92	7.5	0.12	0.0	0.030				
Crow Creek: Zink Park	2/22/2001	8	60	7.5	0.77	0.0	0.033	50			
Crow Creek: Zink Park	3/29/2001	10	95	7.5	0.42	0.0	0.040	40			
Crow Creek: Zink Park	4/26/2001	8	84	7.5	0.90	0.0	0.100	30			
Crow Creek: Zink Park	5/31/2001	9	100	8.0	3.10	0.0	0.120	35		2400	0.35
Crow Creek: Zink Park	6/28/2001	7	84	7.5	0.40	0.5	0.207	15		>2400	0.36
Crow Creek: Zink Park	7/26/2001									330	
Crow Creek: Zink Park	7/31/2001	6	85	7.5	0.30	0.0	0.087	25			
Crow Creek: Zink Park	8/23/2001									210	
Crow Creek: Zink Park	8/30/2001	7	90	7.5	0.18	0.0	0.020	20			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Crow Creek: Zink Park	9/27/2001	8	85	7.5	0.18	0.0	0.100			230	
Crow Creek: Zink Park	10/26/2001	6	55	7.5	0.26	0.0	0.113	40			
Crow Creek: Zink Park	11/29/2001	9	74	7.5	0.36	0.0	0.067	120			
Crow Creek: Zink Park	12/27/2001	11	75	7.5	1.10	0.0	0.100	35			
Crutcho Creek: N. Sooner Rd.	2/25/1999	16		8.0		0.0	0.013	40			
Crutcho Creek: N. Sooner Rd.	3/25/1999	11	109	7.5	0.40	0.0	0.006	55			
Crutcho Creek: N. Sooner Rd.	4/30/1999	8	85	8.0	0.40	0.0	0.086	75			
Crutcho Creek: N. Sooner Rd.	5/28/1999	6	70	7.5	0.14	0.0	0.080	90			
Crutcho Creek: N. Sooner Rd.	6/28/1999	5	65	8.0	0.23	0.0	0.127	75			
Crutcho Creek: N. Sooner Rd.	7/29/1999	4	65	8.0	0.04	0.0	0.066	65			
Crutcho Creek: N. Sooner Rd.	8/27/1999	5	65	7.5	0.02	0.0	0.120	55			
Crutcho Creek: N. Sooner Rd.	9/24/1999	8	85	8.0	0.08	0.0	0.050	45			
Crutcho Creek: N. Sooner Rd.	10/29/1999	4	43	7.5	0.00	0.0	0.100				
Crutcho Creek: N. Sooner Rd.	12/3/1999	8	73	7.5	0.20	0.0	0.133	40			
Crutcho Creek: N. Sooner Rd.	1/3/2000	9	78	8.0	0.20	0.3	0.100	90			
Crutcho Creek: N. Sooner Rd.	2/4/2000	9	70	8.0	0.30	0.0	0.030	80			
Crutcho Creek: N. Sooner Rd.	3/3/2000	9	79	7.5	0.28	0.0	0.100	30			
Crutcho Creek: N. Sooner Rd.	4/28/2000	5	52	7.5	0.18	0.2	0.066	50			
Crutcho Creek: N. Sooner Rd.	6/1/2000	6	78	7.3	0.09	0.3	0.120	200			
Crutcho Creek: N. Sooner Rd.	6/30/2000	6	70	7.5	0.14	0.0	0.127	40			
Crutcho Creek: N. Sooner Rd.	7/28/2000	6	73	7.5	0.05	0.0	0.100	30			
Crutcho Creek: N. Sooner Rd.	8/25/2000	5	68	7.0	0.04	0.3	0.067	40			
Crutcho Creek: N. Sooner Rd.	9/29/2000	6	62	7.5	0.12	0.0	0.000	35			
Crutcho Creek: N. Sooner Rd.	12/1/2000	10	78	8.0	0.14	0.0	0.070	95			
Crutcho Creek: N. Sooner Rd.	1/6/2001	11	85	7.5	0.04	1.0	0.033	50			
Crutcho Creek: N. Sooner Rd.	7/31/2001			8.0	0.30	0.0	0.093	35			
Crutcho Creek: N. Sooner Rd.	9/1/2001	3	50	7.5	0.04	0.0	0.033	40			
Crutcho Creek: N. Sooner Rd.	9/30/2001	11	122	7.5	0.02	0.0	0.000	65			
Crutcho Creek: N. Sooner Rd.	10/28/2001	8	85	8.0	0.00		0.100	50			
Deep Fork River: Wilshire	3/6/1999			8.5	0.00	0.0	0.000	85			
Deep Fork River: Wilshire	4/21/1999	7	80	8.5	0.00	0.0	0.000	80			
Deep Fork River: Wilshire	6/5/1999	8	100	8.5	0.00	0.0	0.053	55			
Deep Fork River: Wilshire	6/26/1999	13	165	8.0	0.40	0.0	0.030	25			
Deep Fork River: Wilshire	7/31/1999	8	90	8.5	0.00	0.0	0.026	95			
Deep Fork River: Wilshire	8/28/1999	8	100	8.5	0.02	0.0	0.000	95			
Deep Fork River: Wilshire	9/25/1999										

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Deep Fork River: Wilshire	10/3/1999	10	104	8.5	0.00	0.0	0.007	35			
Deep Fork River: Wilshire	12/18/1999	8	66	8.5	0.20	0.0	0.026	70			
Deep Fork River: Wilshire	1/8/2000	12	104	8.5	0.09	0.0	0.000	55			
Deep Fork River: Wilshire	2/5/2000	6	45	8.5	0.04	0.3	0.000	140			
Deep Fork River: Wilshire	3/4/2000	13	110	8.0	0.11	0.3	0.000	40			
Deep Fork River: Wilshire	3/25/2000	10	105	8.5	0.19		0.127	35			
Deep Fork River: Wilshire	4/29/2000	7	76	8.0	0.19	0.3	0.033	35			
Deep Fork River: Wilshire	7/8/2000	7	94	8.5	0.02	0.0	0.000	90			
Deep Fork River: Wilshire	7/29/2000	9	116	8.5	0.19	0.0	0.060	45			
Deep Fork River: Wilshire	8/2/2000	6	78	8.0	0.00	0.0	0.000	300			
Deep Fork River: Wilshire	9/30/2000	8	86	8.5	0.02	0.0	0.020	40			
Deep Fork River: Wilshire	11/11/2000	14	115	8.5	0.60	0.6	0.020	50			
Deep Fork River: Wilshire	12/2/2000	14	105	8.5	0.45	0.4	0.080	75			
Deep Fork River: Wilshire	12/30/2000	12	85	8.2	0.60	1.0	0.086	450			
Deep Fork River: Wilshire	1/27/2001	11	85	8.5	0.00	0.0	0.007	85			
Deep Fork River: Wilshire	8/3/2001	6	80	8.0	0.00	0.0	0.000	40			
Deep Fork River: Wilshire	8/25/2001	6	75	8.0	0.00	0.0	0.013	40			
Deep Fork River: Wilshire	9/29/2001	6	70	8.5	0.00	0.0	0.007	60			
Deep Fork River: Wilshire	11/3/2001	8	85	8.3	0.00	0.0	0.000	80			
Deep Fork River: Wilshire	12/8/2001	8	67	8.3	0.04	0.4	0.000	999			
Delaware Creek: Hwy 97	5/29/1996								10		
Delaware Creek: Hwy 97	5/30/1996	6	55	8.0	0.02	0.0	0.080	25			<0.1
Delaware Creek: Hwy 97	6/24/1996								10		
Delaware Creek: Hwy 97	6/27/1996	5	65	8.0	0.00	0.0	0.030	35			<0.1
Delaware Creek: Hwy 97	7/16/1996								<10		
Delaware Creek: Hwy 97	7/25/1996	3	22	7.5	0.00	0.0	0.000	20			0.125
Delaware Creek: Hwy 97	8/26/1996								<10		
Delaware Creek: Hwy 97	8/28/1996										<0.1
Delaware Creek: Hwy 97	8/29/1996	4	50	7.5	0.00	0.0	0.000	35			
Delaware Creek: Hwy 97	9/23/1996								<10		
Delaware Creek: Hwy 97	9/25/1996										<0.1
Delaware Creek: Hwy 97	9/26/1996			7.5	0.00	0.0	0.000	10			
Delaware Creek: Hwy 97	10/31/1996	9	95	7.0	0.00	0.0	0.170	20			
Delaware Creek: Hwy 97	12/3/1996	25	140	7.0	0.08	0.0	0.070	20			
Delaware Creek: Hwy 97	1/5/1997	16	130	8.0	0.00	0.0	0.000	40			
Delaware Creek: Hwy 97	1/30/1997										

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Delaware Creek: Hwy 97	2/27/1997	20	160	7.5	0.00	0.0	0.000	20			
Delaware Creek: Hwy 97	3/27/1997	9	92	8.0	0.00	0.0	0.000	35			
Delaware Creek: Hwy 97	4/24/1997	8	75	7.5	0.00	0.0	0.000	25			
Delaware Creek: Hwy 97	5/19/1997								70		<0.1
Delaware Creek: Hwy 97	5/29/1997	9	105	8.0	0.00	0.0	0.000	25			
Delaware Creek: Hwy 97	6/23/1997								60		0.105
Delaware Creek: Hwy 97	6/30/1997	7	85	7.5	0.18	0.0	0.130	25			
Delaware Creek: Hwy 97	7/28/1997								<10		0.15
Delaware Creek: Hwy 97	7/29/1997										0.147
Delaware Creek: Hwy 97	7/31/1997	6	80	8.0	0.00	0.0	0.000	15			
Delaware Creek: Hwy 97	8/28/1997	7	90	7.0	0.00	0.0	0.000	45			
Delaware Creek: Hwy 97	9/22/1997								<10		<0.1
Delaware Creek: Hwy 97	9/25/1997	7	80	7.0	0.02	0.0	0.000	25			
Delaware Creek: Hwy 97	10/29/1997	10	90	7.5	0.00		0.000	25			
Delaware Creek: Hwy 97	11/20/1997	10	83	7.7	0.02	0.0	0.000	30			
Delaware Creek: Hwy 97	12/16/1997	12	89	7.2	0.00	0.0	0.000	30			
Delaware Creek: Hwy 97	1/29/1998	11	90	8.0	0.00	0.0	0.000	15			
Delaware Creek: Hwy 97	3/27/1998	9	95	8.0	0.00	0.0	0.000	30			
Delaware Creek: Hwy 97	5/21/1998			7.5	0.02	0.0	0.000	20	60		< 0.1
Delaware Creek: Hwy 97	6/18/1998	6	80	7.5	0.05	0.0	0.000	20	2		< 0.1
Delaware Creek: Hwy 97	7/23/1998	6	80	7.5	0.00	0.0	0.000	15	8		< 0.1
Delaware Creek: Hwy 97	8/27/1998	5	68	7.0	0.06	0.0	0.015	15	<5		
Delaware Creek: Hwy 97	8/28/1998										< 0.1
Delaware Creek: Hwy 97	9/22/1998				0.00	0.0	0.001	10		> 2400	< 0.1
Delaware Creek: Hwy 97	10/28/1998	9	95	7.5	0.00	0.0	0.000	15			
Delaware Creek: Hwy 97	11/18/1998	8	75	7.5	0.02	0.0	0.000	20			
Delaware Creek: Hwy 97	12/23/1998	10	80	8.0	0.03	0.0	0.020	30			
Delaware Creek: Hwy 97	1/28/1999	10	86	8.0	0.04	0.0	0.000	35			
Delaware Creek: Hwy 97	2/25/1999	10	88	8.0	0.00	0.0	0.020	20			
Delaware Creek: Hwy 97	4/8/1999	8	90	8.0	0.00	0.0	0.013	20			
Delaware Creek: Hwy 97	4/28/1999	8	90	7.5	0.04	0.0	0.020	15			
Delaware Creek: Hwy 97	5/26/1999	6	80	7.5	0.02	0.0	0.055	5			
Delaware Creek: Hwy 97	5/26/1999	7	80	7.0	0.02	0.0	0.050	5		2400	< 0.1
Delaware Creek: Hwy 97	6/24/1999									1800	
Delaware Creek: Hwy 97	7/29/1999	6	80	8.0	0.00	0.0	0.020	20		28	< 0.1
Delaware Creek: Hwy 97	8/26/1999	6	75	8.0	0.00	0.0	0.000	25		< 1	< 0.1

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Delaware Creek: Hwy 97	9/23/1999	8	75	7.5	0.18	0.0	0.013	10		140	.137
Delaware Creek: Hwy 97	10/26/1999	8	80	7.5	0.00	0.0	0.013	10			
Delaware Creek: Hwy 97	11/29/1999	9	76	7.5	0.02	0.0	0.013	20			
Delaware Creek: Hwy 97	12/30/1999	11	90	7.5	0.00	0.0	0.020	20			
Delaware Creek: Hwy 97	1/31/2000	8	59	8.0	0.00	0.0	0.020	25			
Delaware Creek: Hwy 97	2/24/2000	8	80	8.0	0.00	0.0	0.020	40			
Delaware Creek: Hwy 97	3/30/2000	9	85	7.5	0.00	0.0	0.006	15			
Delaware Creek: Hwy 97	4/27/2000	7	75	7.5	0.00	0.0	0.013	30			
Delaware Creek: Hwy 97	5/24/2000	6	80	7.5	0.00	0.0	0.013	25			< 0.1
Delaware Creek: Hwy 97	6/29/2000			7.5	0.04	0.0	0.026	15			< 0.1
Delaware Creek: Hwy 97	7/27/2000									32	0.113
Delaware Creek: Hwy 97	7/28/2000	7	95	7.5	0.00	0.0	0.000	20			
Delaware Creek: Hwy 97	9/21/2000	6	60	7.8	0.00	0.0	0.015	25		23	< 0.1
Delaware Creek: Hwy 97	10/27/2000	12	94	7.5	0.20	0.0	0.030	30			
Delaware Creek: Hwy 97	10/27/2000	4	46	7.5	0.02	0.0	0.000	25			
Delaware Creek: Hwy 97	1/3/2001										
Delaware Creek: Hwy 97	1/29/2001	12	90	7.0	0.35	0.0	0.070	10			
Delaware Creek: Hwy 97	3/2/2001	12	95	7.5	0.23	0.0	0.030	30			
Delaware Creek: Hwy 97	4/2/2001	10	95	7.5	0.00	0.0	0.030	25			
Delaware Creek: Hwy 97	4/30/2001	6	69	7.5	0.00	0.0	0.050	20			
Delaware Creek: Hwy 97	5/31/2001	8	95	7.5		0.0	0.020	10		500	0.13
Delaware Creek: Hwy 97	6/28/2001	6	80	7.5	0.00	0.0	0.030	10		91	< 0.1
Delaware Creek: Hwy 97	7/26/2001	6	80		0.02	0.3	0.057			1	
Delaware Creek: Hwy 97	8/23/2001	5	65	8.0	0.02	0.0	0.040	25		91	
Delaware Creek: Hwy 97	9/25/2001	9	95	8.0	0.10	0.0	0.020	35			
Delaware Creek: Hwy 97	9/27/2001									120	
Delaware Creek: Hwy 97	11/30/2001	10	75	7.7	0.00	0.0	0.013	30			
Elm Creek Wetlands: East Creek	10/21/1996	12	115	7.0	0.18	0.0	0.030	20			
Elm Creek Wetlands: East Creek	11/7/1996	24	150	7.0	0.07	0.0	0.040	15			
Elm Creek Wetlands: East Creek	1/21/1997	10	86	7.5	0.10	0.2	0.050	25			
Elm Creek Wetlands: East Creek	2/7/1997	6	55	8.0	0.06	0.0	0.010	30			
Elm Creek Wetlands: East Creek	2/27/1997	8	67	7.5	0.20		0.030	15			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Elm Creek Wetlands: East Creek	10/9/1997	4	46	7.5	0.02	0.1	0.000	25			
Elm Creek Wetlands: East Creek	11/3/1997	13	112	8.0	0.02	0.0	0.000	15			
Elm Creek Wetlands: East Creek	1/5/1998	12	97	7.4	0.04	0.0	0.010	10			
Elm Creek Wetlands: East Creek	2/17/1998	13	99	7.5	0.02		0.000	23			
Elm Creek Wetlands: East Creek	3/18/1998	14	142	8.0	0.00	0.3	0.030	18			
Elm Creek Wetlands: East Creek	5/1/1998	10	98	7.5	0.05	0.0	0.025	15			
Elm Creek Wetlands: East Creek	10/23/1998	6	52	8.0	0.02	0.0	0.000	20			
Elm Creek Wetlands: East Creek	11/2/1998	3	30	7.5	0.04	0.0	0.010	10			
Elm Creek Wetlands: East Creek	12/1/1998	8	80	7.5	0.02	0.0	0.000	15			
Elm Creek Wetlands: East Creek	1/25/1999	10	72	6.5	0.02	0.0	0.009	15			
Elm Creek Wetlands: East Creek	2/16/1999	6	55	7.5	0.02	0.0	0.010	15			
Elm Creek Wetlands: East Creek	4/14/1999	7	70	9.0	0.70	0.7	0.050	20			
Elm Creek Wetlands: East Creek	11/1/1999	8	80	7.5	0.28	0.0	0.050	15			
Elm Creek Wetlands: East Creek	12/3/1999	8	84	7.5	0.28	0.2	0.030	10			
Elm Creek Wetlands: East Creek	2/21/2000	12	97	8.0	0.00	0.0	0.000	15			
Elm Creek Wetlands: East Creek	5/1/2000	8	84	7.5	0.53	0.5	0.105	10			
Elm Creek Wetlands: East Creek	10/17/2000	6	62	7.5	0.08	0.0	0.050	15			
Elm Creek Wetlands: East Creek	11/30/2000	10	73	8.0	0.00	0.0	0.060	15			
Elm Creek Wetlands: East Creek	1/31/2001	8	66	7.5	0.00	0.0	0.015	15			
Elm Creek Wetlands: East Creek	3/23/2001	10	85	7.5	0.02	0.0	0.030				

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Elm Creek Wetlands: East Creek	12/3/2001	7	57	7.5	0.22	0.3	0.030	15			
Elm Creek Wetlands: Pond Outfall	10/21/1996	5	50	7.0	0.20	0.3	0.050	15			
Elm Creek Wetlands: Pond Outfall	11/7/1996	10	92	7.5	0.18	0.0	0.070	10			
Elm Creek Wetlands: Pond Outfall	1/21/1997	9	80	7.0	0.05	0.2	0.030	30			
Elm Creek Wetlands: Pond Outfall	2/7/1997	9	80	8.0	0.02	0.0	0.000	35			
Elm Creek Wetlands: Pond Outfall	2/27/1997	10	78	7.0	0.30		0.020	20			
Elm Creek Wetlands: Pond Outfall	8/18/1997										0.21
Elm Creek Wetlands: Pond Outfall	10/9/1997	7	84	7.5	0.02	0.0	0.030	15			
Elm Creek Wetlands: Pond Outfall	11/3/1997	11	100	7.5	0.04	0.0	0.000	15			
Elm Creek Wetlands: Pond Outfall	1/5/1998	6	54	6.0	0.02	0.0	0.055	20			
Elm Creek Wetlands: Pond Outfall	2/17/1998	13	100	8.0	0.02		0.045	15			
Elm Creek Wetlands: Pond Outfall	3/18/1998	10	100	7.5	0.04	0.3	0.130	20			
Elm Creek Wetlands: Pond Outfall	5/1/1998	8	90	8.5	0.02	0.0	0.100				
Elm Creek Wetlands: Pond Outfall	10/23/1998	6	56	7.5	0.07	0.0	0.030	10			
Elm Creek Wetlands: Pond Outfall	11/2/1998	6	60	7.5	0.10	0.0	0.030	15			
Elm Creek Wetlands: Pond Outfall	12/1/1998	6	67	7.5	0.00	0.0	0.035	23			
Elm Creek Wetlands: Pond Outfall	1/25/1999	9	71	7.5	0.04	0.0	0.020	20			
Elm Creek Wetlands: Pond Outfall	2/16/1999	10	84	7.0	0.02	0.0	0.010	20			
Elm Creek Wetlands: Pond Outfall	4/14/1999	8	87	7.5	0.04	0.5	0.045	20			
Elm Creek Wetlands: Pond Outfall	11/1/1999	5	55	7.5	0.11	0.3	0.070	15			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Elm Creek Wetlands: Pond Outfall	12/3/1999	7	65	7.5	0.22	0.2	0.050	30			
Elm Creek Wetlands: Pond Outfall	2/21/2000	10	87	7.5	0.02	0.0	0.050	25			
Elm Creek Wetlands: Pond Outfall	5/1/2000	6	66	7.0	0.38	0.5	0.250	15			
Elm Creek Wetlands: Pond Outfall	10/17/2000	4	47	7.0	0.09	0.0	0.010	15			
Elm Creek Wetlands: Pond Outfall	11/30/2000	6	55	7.5	0.12	0.0	0.040	15			
Elm Creek Wetlands: Pond Outfall	1/31/2001	12	96	7.5	0.09	0.3	0.140	15			
Elm Creek Wetlands: Pond Outfall	3/23/2001	10	100	8.0	0.02	0.0	0.040	10			
Elm Creek Wetlands: Pond Outfall	12/3/2001	9	85	8.0	0.02	0.3	0.030	20			
Elm Creek Wetlands: West Creek	10/21/1996	12	120	7.5	0.18	0.0	0.000	15			
Elm Creek Wetlands: West Creek	11/7/1996	11	100	7.5	0.10		0.000	10			
Elm Creek Wetlands: West Creek	1/21/1997	10	80	7.5	0.10	0.1	0.050	25			
Elm Creek Wetlands: West Creek	2/7/1997	12	83	7.5	0.04	0.0	0.010	35			
Elm Creek Wetlands: West Creek	2/27/1997	8	68	7.5	0.30		0.070	25			
Elm Creek Wetlands: West Creek	10/9/1997	7	82	8.0	0.02	0.3	0.010	25			
Elm Creek Wetlands: West Creek	11/3/1997	5	47	7.5	0.02	0.1	0.025	20			
Elm Creek Wetlands: West Creek	1/5/1998	10	80	7.5	0.20	0.0	0.050	15			
Elm Creek Wetlands: West Creek	2/17/1998	12	92	7.5	0.00		0.000	25			
Elm Creek Wetlands: West Creek	3/19/1998	8	67	7.5	0.02	0.3	0.120	15			
Elm Creek Wetlands: West Creek	5/1/1998	6	68	7.5	0.06	0.0	0.030	25			
Elm Creek Wetlands: West Creek	10/23/1998	8	82	7.5	0.02	0.0	0.020	25			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Elm Creek Wetlands: West Creek	11/2/1998	6	60	7.5	0.04		0.015	15			
Elm Creek Wetlands: West Creek	12/1/1998	8	85	7.5	0.00	0.0	0.020	20			
Elm Creek Wetlands: West Creek	1/25/1999	10	87	7.5	0.02	0.0	0.020	25			
Elm Creek Wetlands: West Creek	2/16/1999	10	95	8.0	0.06	0.0	0.020	20			
Elm Creek Wetlands: West Creek	4/14/1999	8	75	7.5	0.04	0.7	0.045	35			
Elm Creek Wetlands: West Creek	11/1/1999	5	54	7.5	0.22	0.0	0.100	10			
Elm Creek Wetlands: West Creek	12/3/1999	5	50	7.5	0.19	0.0	0.090	15			
Elm Creek Wetlands: West Creek	2/21/2000	10	92	8.0	0.04	0.0	0.015	25			
Elm Creek Wetlands: West Creek	5/1/2000	6	68	7.5	0.31	0.7	0.310	15			
Elm Creek Wetlands: West Creek	10/17/2000	8	78	7.5	0.25	0.0	0.040	15			
Elm Creek Wetlands: West Creek	11/30/2000	8	72	7.5	0.18	0.0	0.200	5			
Elm Creek Wetlands: West Creek	1/31/2001	6	53	7.5	0.05	0.0	0.120	15			
Elm Creek Wetlands: West Creek	3/23/2001	6	58	7.5	0.08	0.3	0.057	20			
Elm Creek Wetlands: West Creek	12/3/2001	7	68	7.5	0.08	0.0	0.050	20			
Elm Creek: 66th N	3/31/1995	10	100	8.0	0.02	0.0	0.000	100			
Elm Creek: 66th N	4/24/1995	8	80	7.5		0.0	0.000	2			
Fish Creek: NS393	12/10/1999	8	68	7.0	0.14	0.2	0.060	20			
Fish Creek: NS393	1/12/2000	9	71	7.0	0.35	0.2	0.020	20			
Fish Creek: NS393	2/15/2000	10	96	7.5	0.08	0.0	0.030	30			
Fish Creek: NS393	3/17/2000	6	55	7.0	0.20	0.2	0.020	15			
Fish Creek: NS393	4/13/2000	8	80	7.0	0.20	0.5	0.027	15			
Fish Creek: NS393	5/3/2000	8	80	7.0	0.17	0.2	0.030	15			
Fish Creek: NS393	6/15/2000	6	65	7.0	0.06	0.2	0.050	10			
Fish Creek: NS393	8/1/2000	8	99	7.0	0.08	0.2	0.050	15			
Fish Creek: NS393	9/12/2000	4	48	7.0	0.12	1.5	0.006	20			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Fish Creek: NS393	10/14/2000	3	33	7.0	0.00	0.1	0.007	20			
Fish Creek: NS393	11/20/2000	10	80	7.0	0.20	0.2	0.100	15			
Fish Creek: NS393	12/8/2000	11	88	7.5	0.18	0.1	0.000	20			
Fish Creek: NS393	1/16/2001	12	95	7.0	0.06	0.3	0.130	15			
Fish Creek: NS393	2/6/2001	11	85	7.0	0.27	0.2	0.020	20			
Fish Creek: NS393	4/13/2001	10	96	7.0	0.06	0.3	0.013	15			
Fish Creek: NS393	4/19/2001	10	98	7.5	0.10	0.2	0.030	20			
Fish Creek: NS393	5/8/2001	8	84	7.5	0.02	0.1	0.170	20			
Forrest Park Annex	8/17/1997										<0.1
Fourche Maline: Ayerdale Road	5/8/2001	4	50	7.0	0.10	0.0	0.000	10			
Fourche Maline: Ayerdale Road	8/21/2001	3	43	7.0	0.00	0.0	0.000	10			
Fourche Maline: Ayerdale Road	9/17/2001	5	63	6.5	0.20	2.5	0.000	10			
Fourche Maline: Black Loop	1/25/1999	9	75	7.0	0.00	0.0	0.000	15			
Fourche Maline: Black Loop	10/26/1999	5	53	7.0	0.00	0.0	0.000	25			
Fourche Maline: Black Loop	11/30/1999	7	65	7.0	0.08		0.000	10			
Fourche Maline: Black Loop	12/29/1999	9	72	6.5	0.10	0.0	0.000	10			
Fourche Maline: Black Loop	2/21/2000	7	52	6.3	0.00	0.0	0.020	20			
Fourche Maline: Black Loop	2/29/2000	7	75	7.2	0.06	0.0	0.006	20			
Fourche Maline: Black Loop	3/29/2000	9	105	7.3	0.10	0.0	0.016	25			
Fourche Maline: Black Loop	4/25/2000	8	85	5.3	0.08	0.0	0.002	10			
Fourche Maline: Black Loop	5/30/2000	4	60	7.0	0.10	0.2	0.060	15			
Fourche Maline: Black Loop	6/27/2000	5	70	6.0	0.08	0.0	0.000	15			
Fourche Maline: Black Loop	8/3/2000	3	45	7.2	0.00	0.0	0.060	20			
Fourche Maline: Black Loop	8/29/2000	4	60	7.2	0.00	0.0	0.006	20			
Fourche Maline: Black Loop	9/26/2000	4	45	7.5	0.03	0.4	0.001	125			
Fourche Maline: Black Loop	10/31/2000	5	60	6.5	0.00	0.2	0.030	20			
Fourche Maline: Black Loop	11/28/2000	11	96	6.5	0.00	0.0	0.000	35			
Fourche Maline: Black Loop	1/31/2001	12	99	7.0	0.00	0.0	0.007	10			
Fourche Maline: Black Loop	3/2/2001	11	95	6.5	0.00	0.0	0.000	10			
Fourche Maline: Black Loop	3/26/2001	11	100	7.0	0.04	0.2	0.033	15			
Fourche Maline: Black Loop	4/25/2001	7	81	6.8	0.60	0.0	0.060	10			
Fourche Maline: Black Loop	6/8/2001	6	85	7.0	0.00	0.0	0.013	10			
Fourche Maline: Black Loop	7/2/2001	7	95	7.2	0.00	0.0	0.046	10			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Fourche Maline: Black Loop	8/8/2001	2	31	7.0	0.00	0.0	0.000	15			
Fourche Maline: Black Loop	8/28/2001	3	40	7.0	0.06	0.0	0.013	20			
Fourche Maline: Black Loop	10/4/2001	6	71	7.0	0.00	0.0	0.073	15			
Fourche Maline: Black Loop	10/30/2001	7	70	7.0	0.00	0.0	0.000	10			
Fourche Maline: Black Loop	12/7/2001	7	70	7.0	0.03	0.0	0.000	10			
Fourche Maline: Centerpoint Road	11/18/1999	5	50	6.5	0.00	0.0	0.020	15			
Fourche Maline: Centerpoint Road	12/14/1999	12	103	6.5	0.04	0.0	0.000	15			
Fourche Maline: Centerpoint Road	1/18/2000	10	85	6.5	0.00	0.0	0.010	10			
Fourche Maline: Centerpoint Road	3/22/2000	10	100	7.0	0.00	0.0	0.026	20			
Fourche Maline: Centerpoint Road	4/19/2000	11	125	6.5	0.00	0.0	0.006	15			
Fourche Maline: Centerpoint Road	5/17/2000	3	37	6.5	0.00	0.0	0.000	15			
Fourche Maline: Centerpoint Road	6/28/2000	4	51	6.5	0.00	0.0	0.000	15			
Fourche Maline: Centerpoint Road	7/26/2000	1	15	6.5	0.00	0.0	0.000	10			
Fourche Maline: Centerpoint Road	8/22/2000	1	15	6.0	0.00	0.0	0.000	15			
Fourche Maline: Centerpoint Road	9/27/2000	3	33	6.0	0.00	0.0	0.000	15			
Fourche Maline: Centerpoint Road	10/25/2000	5	56	6.0	0.00	0.0	0.000	15			
Fourche Maline: Centerpoint Road	11/14/2000	12	106	6.0	0.00	0.0	0.000	25			
Fourche Maline: Centerpoint Road	1/10/2001	11	85	6.0	0.10	0.0	0.030	15			
Fourche Maline: Centerpoint Road	2/20/2001	9	76	6.5	0.00	0.0	0.000	15			
Fourche Maline: Centerpoint Road	3/15/2001	8	82	6.5	0.00	0.0	0.000	20			
Fourche Maline: Centerpoint Road	4/19/2001	6	66	6.5	0.00	0.0	0.000	15			
Fourche Maline: Centerpoint Road	5/15/2001	5	66	6.0	0.13	0.0	0.000	15			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Fourche Maline: Centerpoint Road	6/21/2001	2	32	6.5	0.00	0.0	0.000	15			
Fourche Maline: Centerpoint Road	7/19/2001	3	44	7.0	0.00	0.3	0.000	10			
Fourche Maline: Centerpoint Road	8/20/2001	3	38	6.5	0.00	0.0	0.000	10			
Fourche Maline: Centerpoint Road	9/17/2001	5	60	6.5	0.00	0.0	0.000	10			
Fourche Maline: Centerpoint Road	10/25/2001	6	65	6.5	0.00	0.0	0.000	10			
Fourche Maline: Centerpoint Road	11/27/2001	5	45	7.0	0.00	0.0	0.000	15			
Fourche Maline: Robbers Cave State Park	9/28/1999	7	85	7.0				5			
Fourche Maline: Robbers Cave State Park	10/27/1999	7	73	7.0	0.00	0.0	0.020	10			
Fourche Maline: Robbers Cave State Park	12/1/1999	6	52	6.0	0.15	0.0	0.033	15			
Fourche Maline: Robbers Cave State Park	12/29/1999	10	80	6.0	0.06	0.0	0.000	10			
Fourche Maline: Robbers Cave State Park	1/26/2000	9	71	6.5	0.10	0.0	0.000	10			
Fourche Maline: Robbers Cave State Park	3/6/2000	9	91	6.5	0.00	0.0	0.000	10			
Fourche Maline: Robbers Cave State Park	3/30/2000	9	93	6.5	0.00	0.0	0.000	15			
Fourche Maline: Robbers Cave State Park	4/21/2000	9	104	6.5		0.0	0.000	15			
Fourche Maline: Robbers Cave State Park	5/19/2000	8	97	7.0	0.00	0.0	0.030	10			
Fourche Maline: Robbers Cave State Park	6/29/2000	7	90	6.5	0.00	0.0	0.000	15			
Fourche Maline: Robbers Cave State Park	7/28/2000	7		7.0	0.01	0.0	0.000	15			
Fourche Maline: Robbers Cave State Park	8/24/2000	7	105	7.5	0.00	0.0	0.106	4			
Fourche Maline: Robbers Cave State Park	10/5/2000	5	61	7.0	0.00	0.0	0.000	20			
Fourche Maline: Robbers Cave State Park	11/7/2000	11	110	6.5	0.00	0.0	0.000	10			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Fourche Maline: Robbers Cave State Park	12/1/2000	12	105	6.5	0.04	0.0	0.000	10			
Fourche Maline: Robbers Cave State Park	1/12/2001	14	110	6.0	0.02	0.0	0.000	10			
Fourche Maline: Robbers Cave State Park	2/2/2001	11	89	6.5	0.00	0.0	0.000	10			
Fourche Maline: Robbers Cave State Park	3/9/2001	11	99	7.0	0.00	0.0	0.000	15			
Fourche Maline: Robbers Cave State Park	4/5/2001	8	90	6.5	0.00	0.0	0.000	15			
Fourche Maline: Robbers Cave State Park	4/28/2001	9	111	6.5	0.00	0.0	0.000	10			
Fourche Maline: Robbers Cave State Park	6/6/2001	6	75	6.5	0.00	0.0	0.000	10			
Fourche Maline: Robbers Cave State Park	7/11/2001	7	120	7.0	0.00	0.0	0.000	10			
Fourche Maline: Robbers Cave State Park	8/3/2001	5	75	7.0	0.00	0.0	0.000	10			
Fourche Maline: Robbers Cave State Park	9/13/2001	6	76	6.0	0.08	0.0	0.000	10			
Fourche Maline: Robbers Cave State Park	10/5/2001	8	95	6.5	0.00	0.0	0.000	15			
Fourche Maline: Robbers Cave State Park	11/9/2001	9	96	6.5	0.00	0.0	0.013	10			
Fourche Maline: Robbers Cave State Park	12/8/2001	3	29	6.5	0.00	0.0	0.000	10			
Fred Creek: Evanston (Black)	6/4/1993	7	78	7.5	0.01	0.2	0.033				
Fred Creek: Evanston (Black)	6/27/1993								420		
Fred Creek: Evanston (Black)	6/29/1993	4	50	7.5	0.04	0.2	0.000				
Fred Creek: Evanston (Black)	7/27/1993								1300		
Fred Creek: Evanston (Black)	7/28/1993	4	50	6.8	0.01	0.2	0.033				
Fred Creek: Evanston (Black)	8/25/1993	4	48	7.4	0.10	0.2	0.027				
Fred Creek: Evanston (Black)	8/31/1993								>600		
Fred Creek: Evanston (Black)	9/28/1993								4400		
Fred Creek: Evanston (Black)	9/29/1993	4	42	8.5	0.10	0.2	0.007	50			
Fred Creek: Evanston (Black)	10/27/1993	8	73	8.0	0.01	0.0	0.013	55			
Fred Creek: Evanston (Black)	11/24/1993	8	65	7.5	0.04	0.2	0.013	70			
Fred Creek: Evanston (Black)	12/29/1993	14	97	8.0	0.00		0.013	6			
Fred Creek: Evanston (Black)	1/26/1994	10	95	8.0	0.00	0.0	0.007	5			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Fred Creek: Evanston (Black)	2/23/1994	13	98	8.0	0.00	0.0	0.007	5			
Fred Creek: Evanston (Black)	3/30/1994	11	86	8.0	0.00	0.0	0.000	4			
Fred Creek: Evanston (Black)	4/27/1994	8	85	7.2	0.15	0.2	0.000	7			
Fred Creek: Evanston (Black)	5/25/1994	10	110	8.0	0.03	0.0	0.027	7			
Fred Creek: Evanston (Black)	6/28/1994								100		
Fred Creek: Evanston (Black)	6/29/1994	4	59	6.8	0.00	0.1	0.033	7			
Fred Creek: Evanston (Black)	7/26/1994								>60,000		
Fred Creek: Evanston (Black)	7/27/1994	10	109	8.0	0.10	0.0	0.027				
Fred Creek: Evanston (Black)	8/30/1994								1600		
Fred Creek: Evanston (Black)	8/31/1994	8	92	8.0	0.00	0.0	0.053				
Fred Creek: Evanston (Black)	9/27/1994								20		
Fred Creek: Evanston (Black)	9/28/1994	8	84	8.0	0.00	0.0	0.033	12	2300		0.12
Fred Creek: Evanston (Black)	10/26/1994	8	74	8.0	0.00	0.0	0.040	13	20		0.225
Fred Creek: Evanston (Black)	11/30/1994	10	80	8.0	0.00	0.0	0.020	60			
Fred Creek: Evanston (Black)	12/28/1994	10	80	8.0	0.00	0.0	0.027	11			
Fred Creek: Evanston (Black)	5/30/1995										0.127
Fred Creek: Evanston (Black)	6/28/1995								1400		<0.1
Fred Creek: Evanston (Black)	7/24/1995										0.287
Fred Creek: Evanston (Black)	7/26/1995								11,000		
Fred Creek: Evanston (Black)	7/31/1995								280		
Fred Creek: Evanston (Black)	8/7/1995								900		
Fred Creek: Evanston (Black)	8/16/1995								9000		
Fred Creek: Evanston (Black)	8/21/1995								810		
Fred Creek: Evanston (Black)	8/28/1995								2300		
Fred Creek: Evanston (Black)	8/31/1995										0.8
Fred Creek: Evanston (Black)	9/6/1995								230		
Fred Creek: Evanston (Black)	9/12/1995								52,000		
Fred Creek: Evanston (Black)	9/18/1995								4600		
Fred Creek: Evanston (Black)	9/27/1995								2000		0.22
Fred Creek: Evanston (Black)	5/28/1996	3	33	7.5	0.01	0.1	0.113	35			
Fred Creek: Evanston (Black)	5/29/1996								1700		
Fred Creek: Evanston (Black)	5/30/1996										<0.1
Fred Creek: Evanston (Black)	6/24/1996								57,000		
Fred Creek: Evanston (Black)	6/26/1996	4	65	7.7	0.22	0.0	0.043	25			
Fred Creek: Evanston (Black)	6/27/1996										0.36
Fred Creek: Evanston (Black)	7/16/1996								500		

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Fred Creek: Evanston (Black)	7/25/1996										0.21
Fred Creek: Evanston (Black)	7/30/1996	8	100	7.5	0.30	0.0	0.183	10			
Fred Creek: Evanston (Black)	8/26/1996								3300		
Fred Creek: Evanston (Black)	8/27/1996	7	85	8.0	0.10	0.0	0.120	20			
Fred Creek: Evanston (Black)	8/28/1996										0.22
Fred Creek: Evanston (Black)	9/23/1996								420		
Fred Creek: Evanston (Black)	9/24/1996	4	50	7.6	0.04	0.0	0.060	27			
Fred Creek: Evanston (Black)	9/25/1996										<0.1
Fred Creek: Evanston (Black)	10/29/1996	9	100	8.0	0.12	0.0	0.100	40			
Fred Creek: Evanston (Black)	12/3/1996	8	65	8.0	0.04	0.0	0.033	50			
Fred Creek: Evanston (Black)	12/31/1996	10	90	8.0	0.00	0.0	0.017	55			
Fred Creek: Evanston (Black)	2/4/1997	7	60	8.0	0.05	0.0	0.000	82			
Fred Creek: Evanston (Black)	2/25/1997	13	110	8.0	0.03	0.0	0.000	45			
Fred Creek: Evanston (Black)	3/25/1997	10	95	8.0	0.11	0.0	0.133	25			
Fred Creek: Evanston (Black)	4/29/1997	7	70	8.0	0.02	0.0	0.012	47			
Fred Creek: Evanston (Black)	5/19/1997								1100		<0.1
Fred Creek: Evanston (Black)	5/28/1997	7	80	7.5	0.07	0.0	0.060	25			
Fred Creek: Evanston (Black)	6/23/1997								1500		<0.1
Fred Creek: Evanston (Black)	6/25/1997	7	90	7.5	0.12	0.0	0.080	10			
Fred Creek: Evanston (Black)	7/28/1997								120		0.105
Fred Creek: Evanston (Black)	7/29/1997	6	70	7.5	0.04	0.3	0.087	35			0.57
Fred Creek: Evanston (Black)	8/18/1997										0.17
Fred Creek: Evanston (Black)	8/26/1997	6	70	8.0	0.06	0.0	0.067	40			
Fred Creek: Evanston (Black)	8/28/1997								1400		
Fred Creek: Evanston (Black)	9/22/1997								1200		<0.1
Fred Creek: Evanston (Black)	9/30/1997	4	51	8.0	0.01	0.0	0.053	35			
Fred Creek: Evanston (Black)	10/28/1997	6	53	7.5	0.04	0.0	0.020	15			
Fred Creek: Evanston (Black)	12/1/1997	3	28	7.5	0.02	0.0	0.135	30			
Fred Creek: Evanston (Black)	12/30/1997	10	80	8.0	0.08	0.0	0.040	45			
Fred Creek: Evanston (Black)	1/27/1998	10	76	7.5	0.07	0.0	0.050	45			
Fred Creek: Evanston (Black)	2/24/1998	9	81	8.0	0.04	0.0	0.033	50			
Fred Creek: Evanston (Black)	3/31/1998	8	78	8.0	0.10	0.0	0.080	20			
Fred Creek: Evanston (Black)	4/28/1998	9	94	8.0	0.10	0.0	0.087	25			
Fred Creek: Evanston (Black)	5/21/1998										< 0.1
Fred Creek: Evanston (Black)	5/26/1998	6	70	7.5	0.43	0.3	0.180	10			
Fred Creek: Evanston (Black)	6/18/1998	4	50	7.5	0.00	0.3	0.050	40	650		< 0.1

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Fred Creek: Evanston (Black)	7/23/1998	6	85	8.0	0.08	0.0	0.060	40	770		< 0.1
Fred Creek: Evanston (Black)	8/27/1998	4	51	8.0	0.03	0.0	0.040	48	1200		
Fred Creek: Evanston (Black)	8/28/1998										< 0.1
Fred Creek: Evanston (Black)	9/22/1998	4	58	7.5	0.50	0.0	0.033	20		> 2400	0.22
Fred Creek: Evanston (Black)	10/27/1998	8	80	8.0	0.03	0.0	0.035	45			
Fred Creek: Evanston (Black)	11/30/1998	10	105	8.0	0.06	0.2	0.033	15			
Fred Creek: Evanston (Black)	12/31/1998	14	93	8.0	0.08	0.0	0.000	45			
Fred Creek: Evanston (Black)	1/28/1999	8	70	8.0	0.24	0.0	0.013	50			
Fred Creek: Evanston (Black)	2/25/1999	12	100	8.0	0.03	0.0	0.020	50			
Fred Creek: Evanston (Black)	3/30/1999	7	75	8.0	0.05	0.0	0.013	40			
Fred Creek: Evanston (Black)	4/29/1999	9	95	8.0	0.16	0.0	0.060	35			
Fred Creek: Evanston (Black)	5/26/1999									1700	< 0.1
Fred Creek: Evanston (Black)	5/27/1999	8	90	8.0	0.21	0.0	0.060	30			
Fred Creek: Evanston (Black)	6/24/1999									> 2400	< 0.1
Fred Creek: Evanston (Black)	6/28/1999	8	96	8.0	0.13	0.0	0.067	30			
Fred Creek: Evanston (Black)	7/29/1999	4	60	8.0	0.00	0.0	0.057	35		200	< 0.1
Fred Creek: Evanston (Black)	8/26/1999	3	40	8.0	0.02	0.0	0.020	35		67	< 0.1
Fred Creek: Evanston (Black)	9/7/1999										0.2
Fred Creek: Evanston (Black)	9/23/1999	8	82	8.0	0.38	0.0	0.073	25		290	.207
Fred Creek: Evanston (Black)	10/29/1999	6	60	8.0	0.04	0.0	0.035	35			
Fred Creek: Evanston (Black)	11/18/1999	3	35	8.0	0.02	0.0	0.020	35			
Fred Creek: Evanston (Black)	12/30/1999	6	48	7.5	0.15	0.0	0.010	30			
Fred Creek: Evanston (Black)	2/3/2000	7	55	8.0	0.25	0.0	0.066	90			
Fred Creek: Evanston (Black)	2/24/2000	8	77	8.0	0.18	0.0	0.067	30			
Fred Creek: Evanston (Black)	4/6/2000	6	63	8.0	0.01	0.0	0.000	35			
Fred Creek: Evanston (Black)	4/27/2000	5	54	7.5	0.01	0.2	0.047	30			
Fred Creek: Evanston (Black)	5/24/2000									490	< 0.1
Fred Creek: Evanston (Black)	5/25/2000	7	85	7.5	0.24	0.1	0.133	10			
Fred Creek: Evanston (Black)	6/22/2000	7	84	8.0	0.10	0.1	0.900	15			
Fred Creek: Evanston (Black)	6/29/2000										< 0.1
Fred Creek: Evanston (Black)	7/27/2000	8	95	7.5	0.31	1.0	0.163	15		>2400	0.188
Fred Creek: Evanston (Black)	8/24/2000	4	55	8.0	0.04	0.0	0.030	30		52	< 0.1
Fred Creek: Evanston (Black)	9/21/2000	5	60	7.5	0.02	0.0	0.030	25		1300	0.12
Fred Creek: Evanston (Black)	10/26/2000	8	74	8.0	0.51	0.0	0.180	15			
Fred Creek: Evanston (Black)	11/16/2000	10	85	8.5	0.15	0.0	0.030	30			
Fred Creek: Evanston (Black)	12/21/2000	11	75	8.0	0.08	0.8	0.033	85			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Fred Creek: Evanston (Black)	1/25/2001	10	70	8.0	0.10	0.0	0.027	45			
Fred Creek: Evanston (Black)	2/22/2001	11	80	8.0	0.03	0.0	0.033	40			
Fred Creek: Evanston (Black)	3/22/2001	9	90	8.0	0.02	0.0	0.033	30			
Fred Creek: Evanston (Black)	4/24/2001	5	53	7.5	0.10	0.0	0.133	35			
Fred Creek: Evanston (Black)	5/31/2001	8	94	8.0	0.62	0.0	0.113	30			
Fred Creek: Evanston (Black)	5/31/2001										0.24
Fred Creek: Evanston (Black)	6/28/2001	6	80	8.0	0.21	0.3	0.153	35		>2400	0.17
Fred Creek: Evanston (Black)	7/26/2001	4	58	8.0	0.00	0.0	0.033	40		100	
Fred Creek: Evanston (Black)	8/23/2001	3	44	8.0	0.08	0.0	0.113	25		1700	
Fred Creek: Evanston (Black)	9/27/2001	7	81	8.0	0.00	0.0	0.053	40		410	
Fred Creek: Evanston (Black)	10/25/2001	4	44	8.0	0.02	0.0	0.067	45			
Fred Creek: Evanston (Black)	12/4/2001	5	56	8.0	0.02	0.0	0.000	105			
Fred Creek: Evanston (Black)	12/27/2001	9	57	8.0	0.01	0.0	0.020	25			
Fred Creek: Pebble (71st & Jamestown)(Yellow)	6/3/1993	8	97	7.5	0.04	0.4	0.070				
Fred Creek: Pebble (71st & Jamestown)(Yellow)	6/28/1993	4	49	7.5	0.01	0.2	0.000				
Fred Creek: Pebble (71st & Jamestown)(Yellow)	6/29/1993								220		
Fred Creek: Pebble (71st & Jamestown)(Yellow)	7/26/1993	3	37	7.5	0.00	0.2	0.070				
Fred Creek: Pebble (71st & Jamestown)(Yellow)	7/27/1993								4300		
Fred Creek: Pebble (71st & Jamestown)(Yellow)	8/30/1993	4	49	7.5	0.00	0.2	0.000				
Fred Creek: Pebble (71st & Jamestown)(Yellow)	8/31/1993								>600		
Fred Creek: Pebble (71st & Jamestown)(Yellow)	9/27/1993	6	63	7.5	0.00	0.2	0.000				
Fred Creek: Pebble (71st & Jamestown)(Yellow)	9/28/1993								280		
Fred Creek: Pebble (71st & Jamestown)(Yellow)	10/25/1993	7	70	7.5	0.00	0.2	0.000				
Fred Creek: Pebble (71st & Jamestown)(Yellow)	11/29/1993	6	49	7.5	0.00	0.2	0.000				
Fred Creek: Pebble (71st & Jamestown)(Yellow)	12/27/1993	6	50	7.5	0.00	0.2	0.000				
Fred Creek: Pebble (71st & Jamestown)(Yellow)	1/24/1994	8	65	7.5	0.00	0.2	0.000				

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Fred Creek: Pebble (71st & Jamestown)(Yellow)	2/21/1994	9	70	7.5	0.00	0.0	0.000				
Fred Creek: Pebble (71st & Jamestown)(Yellow)	3/28/1994	10	80	7.5	0.00	0.2	0.000				
Fred Creek: Pebble (71st & Jamestown)(Yellow)	4/25/1994	5	55	7.5	0.00	0.2	0.000				
Fred Creek: Pebble (71st & Jamestown)(Yellow)	5/30/1994	7	77	7.5	0.00	0.2	0.000		300		
Fred Creek: Pebble (71st & Jamestown)(Yellow)	6/28/1994								300		
Fred Creek: Pebble (71st & Jamestown)(Yellow)	7/27/1994								270		
Fred Creek: Pebble (71st & Jamestown)(Yellow)	8/31/1994								150		
Fred Creek: Pittsburg (74th)(Blue)	6/4/1993	8	91	7.5	0.01	0.2	0.030				
Fred Creek: Pittsburg (74th)(Blue)	6/29/1993	3	36	7.5	0.06	0.2	0.060		290		
Fred Creek: Pittsburg (74th)(Blue)	7/26/1993								2600		
Fred Creek: Pittsburg (74th)(Blue)	7/27/1993	5	58	7.5	0.03	0.2	0.030				
Fred Creek: Pittsburg (74th)(Blue)	8/31/1993	6	68	8.0	0.12	0.2	0.090		>600		
Fred Creek: Pittsburg (74th)(Blue)	9/28/1993	10	100	8.0	0.02	0.2	0.030		10,000		
Fred Creek: Pittsburg (74th)(Blue)	10/26/1993	8	77	8.0	0.06	0.2	0.030	40			
Fred Creek: Pittsburg (74th)(Blue)	11/23/1993	10	86	8.0	0.10	0.2	0.000	55			
Fred Creek: Pittsburg (74th)(Blue)	12/28/1993	13	89	8.0	0.04	0.2	0.020	1			
Fred Creek: Pittsburg (74th)(Blue)	1/27/1994	8	60	8.0	2.20	0.0	0.040	1			
Fred Creek: Pittsburg (74th)(Blue)	3/3/1994	12	90	8.0	0.30	0.0	0.030	1			
Fred Creek: Pittsburg (74th)(Blue)	3/31/1994	11	90	8.0	0.04	0.0	0.030	2			
Fred Creek: Pittsburg (74th)(Blue)	4/29/1994	8	80	7.5	0.40	0.4	0.020	1			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Fred Creek: Pittsburg (74th)(Blue)	5/26/1994	8	90	8.0	3.40	0.0	0.150	1			
Fred Creek: Pittsburg (74th)(Blue)	6/28/1994								1900		
Fred Creek: Pittsburg (74th)(Blue)	7/27/1994								780		
Fred Creek: Pittsburg (74th)(Blue)	8/31/1994								1900		
Fred Creek: Pittsburg (74th)(Blue)	9/28/1994								840		
Fred Creek: Richmond(Red)	6/2/1993	11	120	8.0	0.06	0.2	0.030				
Fred Creek: Richmond(Red)	6/29/1993	9	110	8.0	0.06	0.2	0.030		4000		
Fred Creek: Richmond(Red)	7/26/1993	9	110	8.0	0.04	0.2	0.070		4300		
Fred Creek: Richmond(Red)	8/31/1993	8	93	8.0	0.05	0.2	0.060		600		
Fred Creek: Richmond(Red)	9/28/1993	11	117	8.0	0.08	0.2	0.050		900		
Fred Creek: Richmond(Red)	10/26/1993	11	104	8.0	0.08	0.2	0.050				
Fred Creek: Richmond(Red)	11/30/1993	12	96	8.5	0.08	0.2	0.050				
Fred Creek: Richmond(Red)	12/28/1993	13	95	8.0	0.04	0.2	0.050				
Fred Creek: Richmond(Red)	1/25/1994	9	80	8.0	0.08	0.2	0.030				
Fred Creek: Richmond(Red)	2/22/1994	11	96	8.0	0.10	0.2	0.100				
Fred Creek: Richmond(Red)	3/29/1994	11	91	8.0	0.08	0.2	0.010				
Fred Creek: Richmond(Red)	4/26/1994	13	143	8.0	0.06	0.2	0.050				
Fred Creek: Richmond(Red)	5/31/1994	8	90	8.0	0.06	0.2	0.050				
Fry Creek: Holland Hall	6/18/1998								290		< 0.1
Glenpool (Street)	8/18/1997										0.13
Gray Stone	8/17/1997										0.135
Haikey Creek: 121st S	5/29/1996	5	60	7.8	0.37	0.3	0.090		2300		
Haikey Creek: 121st S	5/30/1996	6	65	7.5	0.13	0.0	0.053				0.18
Haikey Creek: 121st S	6/24/1996								1600		
Haikey Creek: 121st S	6/26/1996	6	65	7.5	0.09	0.3	0.120	20			
Haikey Creek: 121st S	6/27/1996										<0.1
Haikey Creek: 121st S	7/16/1996								820		
Haikey Creek: 121st S	7/25/1996										0.145
Haikey Creek: 121st S	7/31/1996	7	79	7.5	0.18	0.0	0.170	15			
Haikey Creek: 121st S	8/26/1996								300		
Haikey Creek: 121st S	8/28/1996	6	70	7.5	0.35	0.3	0.000	60			0.13
Haikey Creek: 121st S	9/23/1996								180		

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Haikey Creek: 121st S	9/25/1996	5	55	7.5	0.28	0.3	0.050	15			0.20
Haikey Creek: 121st S	10/30/1996	8	80	8.0	0.31	0.3	0.080	20			
Haikey Creek: 121st S	11/27/1996	12	88	7.5	0.50	0.3	0.130	70			
Haikey Creek: 121st S	12/23/1996	11	94	7.7	0.02	1.0	0.030	45			
Haikey Creek: 121st S	1/5/1997					999.0					
Haikey Creek: 121st S	1/7/1997					999.0					
Haikey Creek: 121st S	1/9/1997					999.0					
Haikey Creek: 121st S	1/11/1997					999.0					
Haikey Creek: 121st S	1/13/1997					1.4					
Haikey Creek: 121st S	1/15/1997					1.4					
Haikey Creek: 121st S	1/17/1997					0.9					
Haikey Creek: 121st S	1/19/1997					1.0					
Haikey Creek: 121st S	1/21/1997					0.7					
Haikey Creek: 121st S	1/23/1997					0.2					
Haikey Creek: 121st S	1/25/1997	11	88	8.0	0.24	0.0	0.030	65			
Haikey Creek: 121st S	1/25/1997					0.2					
Haikey Creek: 121st S	2/26/1997	8	68	7.5	0.60	0.3	0.120	35			
Haikey Creek: 121st S	3/28/1997	8	78	7.5	0.56	0.0	0.010	30			
Haikey Creek: 121st S	4/30/1997	8	86	8.0	0.10	0.0	0.033	30			
Haikey Creek: 121st S	5/19/1997								100		<0.1
Haikey Creek: 121st S	5/29/1997	7	80	8.0	0.33	0.3	0.150	15			
Haikey Creek: 121st S	6/23/1997								270		0.107
Haikey Creek: 121st S	6/25/1997	6	65	7.5	0.50	0.0	0.090	15			
Haikey Creek: 121st S	7/16/1997								820		
Haikey Creek: 121st S	7/28/1997								40		0.14
Haikey Creek: 121st S	7/29/1997										0.255
Haikey Creek: 121st S	7/30/1997	6	80	7.5	0.54	0.0	0.160	10			
Haikey Creek: 121st S	8/18/1997										0.26
Haikey Creek: 121st S	8/27/1997	7	90	7.5	0.30	0.0	0.080	15			
Haikey Creek: 121st S	8/28/1997								420		
Haikey Creek: 121st S	9/22/1997	0	0	7.5	0.02	999.0	0.175	30	>6000		0.295
Haikey Creek: 121st S	10/30/1997	8	75	7.5	0.30	0.0	0.047	10			
Haikey Creek: 121st S	10/31/1997								154	100	
Haikey Creek: 121st S	11/25/1997	9	80	7.5	0.13	0.0	0.090	20			
Haikey Creek: 121st S	12/18/1997	0	1	8.0	0.07	0.0	0.073	20			
Haikey Creek: 121st S	1/28/1998	12	95	8.0	0.50	0.0	0.033	30			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Haikey Creek: 121st S	2/26/1998	10	90	8.0	0.04	0.0	0.000	30			
Haikey Creek: 121st S	3/25/1998	9	90	8.0	0.10	0.0	0.260	35			
Haikey Creek: 121st S	4/29/1998	8	85	7.5	0.10	0.3	0.073	15			
Haikey Creek: 121st S	5/21/1998								140		< 0.1
Haikey Creek: 121st S	5/27/1998	6	70	7.5	0.30	0.3	0.190	15			
Haikey Creek: 121st S	6/18/1998								220		< 0.1
Haikey Creek: 121st S	6/24/1998	5	70	7.5	0.60	0.0	0.050	10			
Haikey Creek: 121st S	7/23/1998								390		< 0.1
Haikey Creek: 121st S	7/29/1998	6	73	8.0	0.10	0.0	0.000	20			
Haikey Creek: 121st S	8/26/1998	5	68	8.0	0.02	0.0	0.040	20			
Haikey Creek: 121st S	8/27/1998								8		
Haikey Creek: 121st S	8/28/1998										< 0.1
Haikey Creek: 121st S	9/22/1998									1200	0.31
Haikey Creek: 121st S	9/30/1998	7	88	7.5	0.10	0.0	0.040	15			
Haikey Creek: 121st S	10/28/1998	8	85	7.5	0.14	0.0	0.020	15			
Haikey Creek: 121st S	11/25/1998	8	88	7.5	0.06	0.0	0.035	25			
Haikey Creek: 121st S	12/30/1998	14	100	7.5	0.68	0.0	0.030	30			
Haikey Creek: 121st S	1/27/1999	10	87	7.5	2.25	0.0	0.002	60			
Haikey Creek: 121st S	2/24/1999	8	67	8.0	0.10	0.0	0.000	35			
Haikey Creek: 121st S	4/7/1999	8	85	7.5	0.20	0.0	0.010	30			
Haikey Creek: 121st S	4/28/1999	7	75	7.5	0.26	0.2		20			
Haikey Creek: 121st S	5/26/1999	7	80	7.5	0.26	0.2		15		> 2400	0.163
Haikey Creek: 121st S	6/24/1999									> 2400	< 0.1
Haikey Creek: 121st S	6/30/1999	4	50	6.5	0.15	0.2	0.090	20			
Haikey Creek: 121st S	7/28/1999	5	67	8.0	0.12	0.0	0.043	30			
Haikey Creek: 121st S	7/29/1999									65	< 0.1
Haikey Creek: 121st S	8/26/1999	6	79	8.0	0.08	0.0	0.033	20		120	< 0.1
Haikey Creek: 121st S	9/23/1999									1050	.185
Haikey Creek: 121st S	9/29/1999	8	85	8.0	0.58	0.0	0.086	20			
Haikey Creek: 121st S	10/27/1999	9	75	8.0	0.00	0.0	0.030	20			
Haikey Creek: 121st S	11/30/1999	8	70	7.5	0.40	0.0	0.080	25			
Haikey Creek: 121st S	12/29/1999	10	78	8.0	0.04	0.0	0.260	30			
Haikey Creek: 121st S	1/25/2000	12	87	8.0	0.08	0.0	0.026	45			
Haikey Creek: 121st S	2/23/2000	8	80	7.5	0.40	0.3	0.146	25			
Haikey Creek: 121st S	3/31/2000	9	85	8.0	0.25	0.1	0.097	25			
Haikey Creek: 121st S	4/26/2000	7	75	8.0	0.14	0.0	0.060	30			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Haikey Creek: 121st S	5/24/2000									330	< 0.1
Haikey Creek: 121st S	5/31/2000	4	55	7.5	0.30	0.0	0.140	15			
Haikey Creek: 121st S	6/29/2000	8	85	7.5	0.26	0.3	0.093	15			0.27
Haikey Creek: 121st S	7/24/2000	6	75	7.5	0.44	0.0	0.100	10			
Haikey Creek: 121st S	7/27/2000									>2400	0.41
Haikey Creek: 121st S	8/24/2000									62	.128
Haikey Creek: 121st S	8/31/2000	5	70	8.0	0.00	0.3	0.033	20			
Haikey Creek: 121st S	9/21/2000								9	68	< 0.1
Haikey Creek: 121st S	10/6/2000	8	75	8.0	0.00	0.0	0.033	15			
Haikey Creek: 121st S	11/3/2000	8	85	7.5		0.0	0.100	10			
Haikey Creek: 121st S	1/3/2001			8.0	0.40	0.8	0.030	15			
Haikey Creek: 121st S	1/5/2001	14	95	7.8	0.27	3.0	0.150	280			
Haikey Creek: 121st S	1/30/2001	8	59	7.7	0.38	0.3	0.210	20			
Haikey Creek: 121st S	2/25/2001	5	45	7.5	0.20	0.3	0.060	15			
Haikey Creek: 121st S	3/29/2001	13	105	7.5	0.10	0.0	0.030	40			
Haikey Creek: 121st S	4/28/2001	8	85	7.4	0.10	0.5		20			
Haikey Creek: 121st S	5/31/2001									>2400	0.29
Haikey Creek: 121st S	6/3/2001	8	95	7.7	0.24	0.3	0.100	20			
Haikey Creek: 121st S	6/28/2001									870	< 0.1
Haikey Creek: 121st S	6/30/2001	8	100	8.0	0.23	0.0	0.030	15			
Haikey Creek: 121st S	7/26/2001									58	
Haikey Creek: 121st S	8/23/2001									37	
Haikey Creek: 121st S	8/26/2001	6	75	7.5	0.24	0.5	0.100	15			
Haikey Creek: 121st S	8/31/2001	6	85	7.7	0.00	0.3	0.033	20			
Haikey Creek: 121st S	9/21/2001	4	50	8.0	0.10	0.0	0.013	10			
Haikey Creek: 121st S	9/27/2001									11	
Haikey Creek: 121st S	10/28/2001	7	75	7.5	0.00	0.0	0.013	10			
Haikey Creek: 121st S	11/25/2001	9	80	7.5	0.10	0.0	0.007	15			
Hampton Oaks	8/17/1997										0.105
Honey Creek: Berry Bluff	12/31/2000	16	115	8.0	1.00	0.0	0.000	65			
Honey Creek: Berry Bluff	1/28/2001	13	105	8.0	7.60	0.0	0.000	50			
Honey Creek: Needham	7/28/2001	8	105	7.5	1.00	0.0	0.100	100			
Honey Creek: Needham	8/29/2001	8	95	7.5	3.00	0.0	0.150	160			
Honey Creek: Needham	10/27/2001	12	115	7.5	3.00	0.0	0.067	100			
Hunter Park Pond	6/28/1994								640		
Hunter Park Pond	7/26/1994								63,000		

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Hunter Park Pond	7/28/1994		85		0.20	0.2	0.000				
Hunter Park Pond	8/30/1994	8	100	8.0	0.10	0.0	0.113		360		
Hunter Park Pond	9/27/1994		80		0.08	0.2	0.000		20		<0.1
Hunter Park Pond	10/25/1994		90		0.00	0.2	0.000				0.135
Hunter Park Pond	11/29/1994		88		0.20	0.0	0.000				
Hunter Park Pond	12/27/1994				0.06	0.2	0.000				
Hunter Park Pond	1/30/1995		101		0.05	0.2	0.033				
Hunter Park Pond	2/27/1995		102		0.06	0.1	0.067				
Hunter Park Pond	3/28/1995		100		0.02	0.0	0.033				
Hunter Park Pond	5/1/1995		98		0.10	0.1	0.067				
Hunter Park Pond	5/30/1995		95		0.10	0.0	0.073				0.365
Hunter Park Pond	6/27/1995		90		0.10	0.2	0.033				
Hunter Park Pond	6/28/1995										<0.1
Hunter Park Pond	7/24/1995										0.255
Hunter Park Pond	7/25/1995		80		0.00	0.0	0.047				
Hunter Park Pond	5/4/1998					0.0	0.067				
Hunter's Pointe Pond	6/1/1993		122	7.9	0.01	0.2	0.050				
Hunter's Pointe Pond	6/29/1993		140	7.5	0.01	0.2	0.030		660		
Hunter's Pointe Pond	7/30/1993		145	7.0	0.02	0.2	0.030		380		
Hunter's Pointe Pond	8/31/1993		74	7.3	0.01	0.2	0.030		540		
Hunter's Pointe Pond	9/28/1993		98	7.3	0.01	0.2	0.030		390		
Hunter's Pointe Pond	10/26/1993		59	7.5	0.00	1.0	0.030				
Hunter's Pointe Pond	11/29/1993		100	7.3	0.10	0.0	0.000				
Hunter's Pointe Pond	12/27/1993		98	7.3	0.14	0.1	0.030				
Hunter's Pointe Pond	2/2/1994		105	8.0	0.08	1.0	0.010	2			
Hunter's Pointe Pond	2/26/1994		90	7.8	1.40	0.8	0.010				
Hunter's Pointe Pond	3/27/1994		50	7.5	0.00	0.2	0.000				
Hunter's Pointe Pond	5/1/1994		40	7.2	0.04	0.5	0.000				
Hunter's Pointe Pond	5/28/1994		70	7.3	0.07	0.5	0.000				
Hunter's Pointe Pond	7/27/1994								640		
Hunter's Pointe Pond	8/31/1994								63,000		
Hunter's Pointe Pond	5/30/1995										0.186
Lake Parthenia	3/31/1995	11	110	8.0	0.02	0.2	0.000	4			
Lake Parthenia	4/24/1995	9	90	9.0	0.02	0.0	0.000	2			
Lake Parthenia	6/28/1995										<0.1
Lake Parthenia	6/29/1995	7	85	7.5	0.00	0.2	0.027				

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Lake Parthenia	7/24/1995										0.187
Lake Parthenia	7/29/1995	8		7.0	0.00	0.0	0.017				
Lake Parthenia	8/31/1995	7	85	8.0	0.00	0.1	0.000	13	18		
Lake Parthenia	9/27/1995										<0.1
Lake Parthenia	9/28/1995	6	68	7.5	0.00	0.5	0.023		10		
Lake Parthenia	10/27/1995	8	87	7.5	0.00	0.3	0.030				
Lake Parthenia	11/29/1995	11	97		0.20	0.5	0.033				
Lake Parthenia	12/21/1995	10	87	7.5	0.11	0.5	0.027				
Leake Lake NE	8/29/1995	9	112	8.0	0.00	0.3	0.030				
Leake Lake NE	9/26/1995	4	45	7.5	0.06	0.0	0.000				
Leake Lake NE	10/31/1995	4	40	7.5	0.10	0.0	0.170				
Leake Lake NE	11/28/1995	7	56	7.5	0.00	0.0	0.000				
Leake Lake NE	1/2/1996	8	67	7.5	0.35	0.0	0.000				
Leake Lake NE	1/27/1996	10	76	7.5	0.10	1.0	0.000				
Leake Lake NE	2/27/1996	6	56	7.5	0.10	0.9	0.040				
Leake Lake NE	3/29/1996	10	92	7.5	0.82	0.0	0.080				
Leake Lake NE	4/30/1996	6	55	7.5	0.00	0.0	0.000				
Leake Lake NE	5/29/1996								18		
Leake Lake NE	5/30/1996										<0.1
Leake Lake NE	6/25/1996	4	59	8.0	0.02	0.0	0.000				
Leake Lake NE	6/27/1996										0.27
Leake Lake NE	7/16/1996								21,000		
Leake Lake NE	7/25/1996										0.28
Leake Lake NE	7/29/1996	3	38	8.0	0.09	0.0	0.040	65			
Leake Lake NW	8/29/1995	6	68	7.5	0.00	0.3	0.000				
Leake Lake NW	8/31/1995										<0.1
Leake Lake NW	9/26/1995	9	93	8.0	0.04	0.1	0.000				
Leake Lake NW	9/27/1995										0.398
Leake Lake NW	10/31/1995	5	50	7.5	0.95	0.8	0.000				
Leake Lake NW	11/28/1995	10	75	8.0	0.07	0.0	0.043				
Leake Lake NW	1/2/1996	13	104	7.5	0.70	0.3	0.000				
Leake Lake NW	1/27/1996	11	91	8.0	0.08	0.0	0.050				
Leake Lake NW	2/25/1996	9	70	8.0	0.09	0.0	0.040				
Leake Lake NW	3/28/1996			7.5	0.27	0.2	0.067				
Leake Lake NW	4/30/1996	4	39	8.3	0.00	0.0	0.000				
Leake Lake NW	5/28/1996	8	85	8.3	0.00	0.0	0.000				

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Leake Lake NW	6/25/1996	8	95	8.0	0.00	0.0	0.040				
Leake Lake NW	7/29/1996	8	98	8.0	0.04	0.0	0.040	40			
Little Deep Fork: N 3650 (2)	11/10/2001	7	75	7.5	0.01	0.0	0.070	120			
Little Joe Creek: LaFortune	1/25/1995	10	80	8.0	0.10	0.0	0.033	165			
Little Joe Creek: LaFortune	2/23/1995	10	90	8.0	0.02	0.0	0.033	95			
Little Joe Creek: LaFortune	3/30/1995	8	70	8.0	0.02	0.0	0.033	20			
Little Joe Creek: LaFortune	4/27/1995	7	68	7.7	0.00	0.0	0.013	40			
Little Joe Creek: LaFortune	5/30/1995										<0.1
Little Joe Creek: LaFortune	7/24/1995										0.29
Little Joe Creek: LaFortune	7/26/1995	8	92	7.5	0.06	0.0	0.100	15			
Little Joe Creek: LaFortune	8/21/1995								170		
Little Joe Creek: LaFortune	8/28/1995								120		
Little Joe Creek: LaFortune	8/31/1995										0.318
Little Joe Creek: LaFortune	9/27/1995										0.15
Little Joe Creek: LaFortune	10/26/1995	8	73	7.5	0.00	0.0	0.047	30			
Little Joe Creek: LaFortune	11/28/1995	8	60	7.5	0.00	0.0	0.020	45			
Little Joe Creek: LaFortune	12/26/1995	8	60	6.5	0.00	0.0	0.027	20			
Little Joe Creek: LaFortune	9/28/1997	10	110	7.7	0.00	0.0	0.027	20			
Little Joe Trib.: 61st & Hudson	6/29/1995	8	85	7.3	0.30	0.2	0.090	1			
Little Joe Trib.: 61st & Hudson	7/24/1995										<0.1
Little Joe Trib.: 61st & Hudson	7/25/1995	6	75	8.0	0.10	0.2	0.070	2			
Little Joe Trib.: 61st & Hudson	8/28/1995								10		
Little Joe Trib.: 61st & Hudson	8/31/1995										<0.1
Little Joe Trib.: 61st & Hudson	9/26/1995	8	75	8.0	0.00	0.1	0.020	110	10		
Little Joe Trib.: 61st & Hudson	9/27/1995										0.178
Little Joe Trib.: 61st & Hudson	10/26/1995	10	100	8.0	0.02	0.1	0.020	37			
Little Joe Trib.: 61st & Hudson	11/28/1995	14	100	8.0	0.02	0.0	0.060	35			
Little Joe Trib.: 61st & Hudson	12/21/1995	13	102	8.0	0.25	0.0	0.000	30			
Little Joe Trib.: 61st & Hudson	1/29/1998			8.0	0.00		0.000	25			
Little Joe Trib.: 61st & Hudson	3/18/1998	7	60	7.5	0.34		0.015	25			
Little Joe Trib.: 61st & Hudson	4/23/1998	5	51	8.0	0.04		0.000	45			
Little Joe Trib.: Explorer Park	10/19/1996	6	75	7.5		0.3					
Little Joe Trib.: Explorer Park	11/13/1996	7	60	7.5	0.50	0.0	0.133				
Little Joe Trib.: Explorer Park	7/28/1997								2300		0.12
Little Joe Trib.: Explorer Park	9/17/1997	6	45	7.5		0.0					
Lost Creek	3/16/2000	8	80	7.5	0.90	0.0	0.030	25			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Lost Creek	4/10/2000	12	120	8.0	0.68	0.0	0.036	20			
Lost Creek	5/8/2000	9	122	7.5	0.30	0.0	0.060	15			
Lost Creek	6/27/2000	10	110	7.5	0.20	0.0	0.067	15			
Lost Creek	7/28/2000	6	80	7.5	0.28	0.0	0.100	15			
Lost Creek	8/31/2000	10	125	7.5	0.15	0.0	0.030	15			
Lost Creek	9/28/2000	10	105	7.5	0.75	0.0	0.025	20			
Lost Creek	10/25/2000	7	75	7.5	0.70	0.0	0.025	25			
Lost Creek	11/28/2000	13	112	7.5	1.00	0.0	0.030	25			
Lost Creek	12/21/2000	12	90	7.5	1.00	0.0	0.025	30			
Lost Creek	1/25/2001	15	128	8.0	0.62	0.0	0.055	15			
Lost Creek	2/15/2001	10	90	7.5	1.00	0.0	0.050	15			
Lost Creek	3/14/2001	15	142	8.0	2.00	0.0	0.080	20			
Lost Creek	4/19/2001	16	155	7.5	0.50	0.0	0.030	20			
Lost Creek	5/23/2001	12	126	8.0	0.55	0.0	0.030	20			
Lost Creek	6/29/2001	10	122	7.5	0.40	0.0	0.020	15			
Lost Creek	7/25/2001	8	105	7.5	0.40	0.0	0.027	15			
Lost Creek	8/29/2001	10	135	7.5	0.02	0.0	0.020	15			
Lost Creek	9/19/2001	11	125	7.5	0.20	0.0	0.047	20			
Lost Creek	10/30/2001	12	120		1.00	0.0	0.067	10			
Lost Creek	11/19/2001	9	86	7.5	0.41	0.0	0.067	15			
Lost Creek	12/18/2001	12	112	7.5	0.41	0.0	0.013	15			
Middle Creek: M.C. Ranch	11/12/1999	7	73	7.0	0.02	0.0	0.025	15			
Middle Creek: M.C. Ranch	1/26/2000	10	75	7.0	0.07	0.0	0.033	20			
Middle Creek: M.C. Ranch	6/8/2000	7	80	6.5	0.00	0.0	0.033	15			
Mill Creek: McClure Park	9/24/1997	8	90	8.0	0.10	0.2	0.133	25			
Mill Creek: McClure Park	10/31/1997	12	125	8.0	0.30	0.2	0.250	65			
Mill Creek: McClure Park	11/20/1997	7	70	8.5	0.40	0.1	0.050	45			
Mill Creek: McClure Park	12/11/1997	14	115	8.0	0.60	0.3	0.010	50			
Mill Creek: McClure Park	1/29/1998	15	140	8.5	0.10	0.2		60			
Mill Creek: McClure Park	2/27/1998	12	110	8.5	0.00	0.0	0.043	70			
Mill Creek: McClure Park	3/19/1998	11	95	7.5	0.85	0.5		60			
Mill Creek: McClure Park	4/30/1998	12	128	8.5	0.00	0.2	0.026	45			
Mill Creek: McClure Park	5/11/1998	18		8.5	0.70	0.0	0.060	85			
Mill Creek: McClure Park	6/29/1998	3	44	8.5	0.03	0.0	0.090	45			
Mill Creek: McClure Park	7/18/1998	8	98	8.5	0.40	0.0	0.230	50			
Mill Creek: McClure Park	10/28/1998	8	75	7.5	0.01	0.0	0.020	45			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Mill Creek: McClure Park	11/30/1998	8	90	8.0	0.01	0.0	0.020	35			
Mill Creek: McClure Park	12/17/1998	8	80	7.3	0.02	0.0	0.010	45			
Mill Creek: McClure Park	1/28/1999	12	100	7.5	0.90	0.0	0.020	30			
Mill Creek: McClure Park	2/26/1999	12	113	7.5	0.10	0.0	0.000				
Mill Creek: McClure Park	5/17/1999	8	78	7.5	0.60	0.0	0.003	50			
Mill Creek: McClure Park	6/28/1999	9	105	8.0	0.40	0.0	0.130	40			
Mill Creek: McClure Park	8/30/2001	11	140	8.0	0.10	0.0	0.140	65			
Mill Creek: McClure Park	9/27/2001									260	
Millicent Park	8/17/1997										0.178
Mingo Creek: Hicks Park	3/31/1998	8	75	6.0				35			
Mingo Creek: Hicks Park	5/31/1998	6	85	8.0	0.01	0.0	0.133	45			
Mockingbird Lake	6/28/1994	10	85	8.5	0.02	0.0	0.040		120		
Mockingbird Lake	7/26/1994	9	105	7.5	0.16	0.2	0.080		>60,000		
Mockingbird Lake	8/30/1994	12	150	9.0	0.02	0.0	0.047		140		
Mockingbird Lake	9/27/1994	12	130	9.0	0.02	0.0	0.020		40		0.17
Mockingbird Lake	10/25/1994	8	80	8.0	0.10	0.0	0.013				
Mooser Creek: Elwood	5/19/1997								280		<0.1
Mooser Creek: Elwood	6/23/1997								370		<0.1
Mooser Creek: Elwood	7/28/1997								20		<0.1
Mooser Creek: Elwood	7/29/1997										0.125
Mooser Creek: Elwood	8/25/1997	7	85	8.0	0.00	0.0	0.020	10			
Mooser Creek: Elwood	9/22/1997								3000		<0.1
Mooser Creek: Elwood	9/23/1997								220	250	
Mooser Creek: Elwood	9/29/1997	6	65	7.5	0.04	0.0	0.000	35			
Mooser Creek: Elwood	10/28/1997	6	55	7.5	0.01	0.0	0.000	30			
Mooser Creek: Elwood	11/24/1997	8	72	7.0	0.02	0.0	0.000	40			
Mooser Creek: Elwood	12/22/1997	8	70	7.5	0.29	0.0	0.150	25			
Mooser Creek: Elwood	1/26/1998	10	85	8.0	0.08	0.0	0.046	60			
Mooser Creek: Elwood	2/23/1998	8	67	7.5	0.00	0.0	0.000	45			
Mooser Creek: Elwood	3/30/1998	8	80	7.5	0.00	0.0	0.007	40			
Mooser Creek: Elwood	4/28/1998	9	85	7.5	0.03	0.0	0.060	20			
Mooser Creek: Elwood	5/21/1998								140		< 0.1
Mooser Creek: Elwood	5/28/1998	7	80	7.5	0.09	0.0	0.013	30			
Mooser Creek: Elwood	6/18/1998								370		< 0.1
Mooser Creek: Elwood	6/29/1998	4	52	7.5	0.00	0.0	0.047	40			
Mooser Creek: Elwood	7/23/1998	5	67	7.5	0.01	0.0	0.027	40	190		< 0.1

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Mooser Creek: Elwood	8/27/1998	4	55	7.5	0.00	0.0	0.033	40	460		
Mooser Creek: Elwood	8/28/1998										< 0.1
Mooser Creek: Elwood	9/22/1998	3	36	7.5	0.01	0.0	0.040	35		> 2400	0.12
Mooser Creek: Elwood	10/27/1998	7	74	7.5	0.00	0.0	0.020	35			
Mooser Creek: Elwood	11/30/1998	8	83	7.5	0.02	0.0	0.166	23			
Mooser Creek: Elwood	12/29/1998	12	88	7.5	0.00	0.0	0.000	45			
Mooser Creek: Elwood	1/25/1999	10	75	7.5	0.06	0.0	0.000	60			
Mooser Creek: Elwood	2/22/1999	12	92	7.5	0.01	0.0	0.000	40			
Mooser Creek: Elwood	3/29/1999	8	82	7.5	0.01	0.0	0.013	45			
Mooser Creek: Elwood	4/26/1999	9	92	7.5	0.28	0.0	0.016	20			
Mooser Creek: Elwood	5/26/1999	7	76	7.5	0.06	0.0	0.040	10		1400	< 0.1
Mooser Creek: Elwood	6/24/1999									1600	< 0.1
Mooser Creek: Elwood	6/29/1999	7	85	7.5	0.03	0.0	0.030	35			
Mooser Creek: Elwood	7/29/1999	6	70	7.5	0.02	0.0	0.017	45		94	< 0.1
Mooser Creek: Elwood	8/26/1999	8	91	7.5	0.08	0.0	0.013	60		330	< 0.1
Mooser Creek: Elwood	9/7/1999										< 0.1
Mooser Creek: Elwood	9/23/1999	7	70	7.5	0.35	0.0	0.015	30		140	.165
Mooser Creek: Elwood	10/28/1999	6	60	7.5	0.00	0.0	0.017	35			
Mooser Creek: Elwood	11/30/1999	8	64	7.5	0.04	0.0	0.030	30			
Mooser Creek: Elwood	12/28/1999	10	74	7.5	0.08	0.0	0.040	35			
Mooser Creek: Elwood	1/24/2000	12	91	7.5	0.00	0.0	0.000	40			
Mooser Creek: Elwood	2/28/2000	10	90	7.5	0.02	0.0	0.020	45			
Mooser Creek: Elwood	3/30/2000	8	75	8.8	0.06	0.0	0.100	40			
Mooser Creek: Elwood	4/25/2000	6	67	7.5	0.02	0.0	0.027	30			
Mooser Creek: Elwood	5/24/2000									290	< 0.1
Mooser Creek: Elwood	5/31/2000	6	85	7.0	0.00	0.0	0.067	35			
Mooser Creek: Elwood	6/29/2000										< 0.1
Mooser Creek: Elwood	7/27/2000										0.137
Mooser Creek: Elwood	8/30/2000	6	73	7.5	0.02	0.1	0.030	35			
Mooser Creek: Elwood	10/28/2000	8	85	7.5	0.12	0.0	0.113	15			
Mooser Creek: Elwood	11/20/2000	10	77	7.5	0.02	0.0	0.033	10			
Mooser Creek: Pepsi	6/28/2000	8	97		0.16	0.0	0.053	15			
Mooser Creek: Pepsi	10/1/2000	7	76	7.5	0.01	0.2	0.067	40			
Mooser Creek: Pepsi	1/5/2001	8	50	8.0	0.35	2.5	0.050	60			
Mooser Creek: Pepsi	2/2/2001	10	70	7.5	0.55	0.0	0.000	40			
Mooser Creek: Pepsi	2/23/2001	10	80	7.5	0.13	0.0	0.000	65			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Mooser Creek: Pepsi	3/30/2001	8	65	7.5	0.12	0.0	0.027	55			
Mooser Creek: Pepsi	4/27/2001	6	60	7.5	0.04	0.0	0.140	30			
Mooser Creek: Pepsi	5/31/2001	7	75	7.5	0.40	0.0	0.097	30		2400	0.105
Mooser Creek: Pepsi	6/28/2001	7	85	7.5	0.20	0.5	0.246	15		>2400	0.3
Mooser Creek: Pepsi	7/26/2001	4	55	7.5	0.02	0.0	0.020	55		66	
Mooser Creek: Pepsi	8/30/2001	3	40	8.0	0.04	0.3	0.020	30			
Mooser Creek: Pepsi	9/27/2001	4	40	7.5	0.00	0.0	0.000	25		260	
Mooser Creek: Pepsi	10/1/2001	6	42	7.5	0.00	0.0	0.027	120			
Mooser Creek: Pepsi	10/25/2001	3	24	7.5	0.00	0.0	0.073	40			
Mooser Creek: Riverfield	6/23/1997								60		<0.1
Mooser Creek: Riverfield	10/31/1997	8	56	8.0	0.03	0.1	0.030	30			
Mooser Creek: Riverfield	4/10/1998	12	140	8.0	0.10	0.2	0.000	45			
Mooser Creek: South Haven	5/19/1997								150,000		0.58
Mooser Creek: South Haven	6/23/1997								440		0.145
Mooser Creek: South Haven	7/28/1997								630		<0.1
Mooser Creek: South Haven	7/31/1997	5	62	8.0	0.08	0.0	0.047	20			
Mooser Creek: South Haven	8/18/1997										0.12
Mooser Creek: South Haven	8/28/1997	6	77	8.0	0.03	0.0	0.020	30	140		
Mooser Creek: South Haven	9/22/1997								300		<0.1
Mooser Creek: South Haven	9/25/1997	6	64	7.5	0.08	0.3	0.060	35			
Mooser Creek: South Haven	10/30/1997	8	77	8.5	0.00	0.0	0.000	35			
Mooser Creek: South Haven	10/31/1997								55	37	
Mooser Creek: South Haven	11/20/1997	8	60	7.5	0.00	0.0	0.020	35			
Mooser Creek: South Haven	12/18/1997	11	84	7.5	0.00	0.0	0.040	60			
Mooser Creek: South Haven	1/28/1998	6	47	7.5	0.20	0.0	0.017	55			
Mooser Creek: South Haven	2/26/1998	10	90	7.5	0.00	0.0	0.200	80			
Mooser Creek: South Haven	3/26/1998	11	110	7.5	0.05	0.0	0.017	45			
Mooser Creek: South Haven	4/29/1998	8	75	7.5	0.51	0.0	0.066	30			
Mooser Creek: South Haven	5/20/1998	5	55	7.5	0.03	0.0	0.030	35			
Mooser Creek: South Haven	5/21/1998								400		< 0.1
Mooser Creek: South Haven	6/18/1998								21		< 0.1
Mooser Creek: South Haven	6/25/1998	2	25	7.5	0.02	0.3		20			
Mooser Creek: South Haven	7/23/1998								170		< 0.1
Mooser Creek: South Haven	7/30/1998	3	38	7.5	0.09	0.3	0.033	25			
Mooser Creek: South Haven	8/27/1998										
Mooser Creek: South Haven	9/22/1998									130	0.27

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Mooser Creek: South Haven	9/24/1998	5	60	8.0	0.06	0.0	0.060	5			
Mooser Creek: South Haven	11/2/1998	10	96	7.5	0.50	0.0	0.460	5			
Mooser Creek: South Haven	11/20/1998	8	70	7.5	0.05	0.0	0.010	5			
Mooser Creek: South Haven	1/22/1999	10	85	8.0	0.00	0.0	0.025	5			
Mooser Creek: South Haven	3/1/1999	10	90	7.5	0.01	0.0	0.027	5			
Mooser Creek: South Haven	3/27/1999	12	101	8.0	0.09	0.0	0.025	5			
Mooser Creek: South Haven	4/30/1999	7	70	8.0	0.40	0.0	0.070	5			
Mooser Creek: South Haven	5/28/1999	9	94	8.0	0.12	0.0	0.000	5			
Mooser Creek: South Haven	6/4/1999	6	72	8.0	0.10	0.0	0.066	25			
Mooser Creek: South Haven	6/24/1999	8	105	7.5	0.20	0.0	0.027	5		2400	< 0.1
Mooser Creek: South Haven	7/28/1999	1	13	8.0	0.00	0.0	0.000	5			
Mooser Creek: South Haven	7/29/1999									1200	< 0.1
Mooser Creek: South Haven	9/23/1999									210	.142
Mooser Creek: South Haven	9/30/1999	6	60	7.5	0.52	21.0	0.400	15			
Mooser Creek: South Haven	10/28/1999	2	20	7.5	0.02	0.0	0.193				
Mooser Creek: South Haven	1/7/2000	12	80	8.0		0.0	0.033	70			
Mooser Creek: South Haven	2/9/2000	11	85	7.5	0.60	0.0		240			
Mooser Creek: South Haven	3/8/2000	8	78	7.5	0.04	0.0	0.040	65			
Mooser Creek: South Haven	3/31/2000	9	80	7.6	0.03	0.0	0.030	55			
Mooser Creek: South Haven	4/27/2000	4	47	8.0	0.20	0.0	0.070	35			
Mooser Creek: South Haven	5/24/2000	4	48	7.5	0.20	0.0	0.030	40			
Mooser Creek: South Haven	6/29/2000	6	75	7.5	0.05	0.0	0.133	35			< 0.1
Mooser Creek: South Haven	7/2/2000	5	60	7.5	0.06	0.0	0.050	25			
Mooser Creek: South Haven	7/27/2000									160	0.199
Mooser Creek: South Haven	11/3/2000	9	90	8.0	0.04	0.0	0.100	35			
Mooser Creek: South Haven	12/1/2000	9	72	8.0	0.10	0.0	0.030	45			
Mooser Creek: South Haven	1/4/2001	10	70	8.0	0.15	0.0	0.010	320			
Mooser Creek: South Haven	2/1/2001			8.0			0.037	45			
Mooser Creek: South Haven	2/28/2001	2	18	7.5	0.20		0.033	40			
Mooser Creek: South Haven	3/22/2001	7	65	7.5	0.20	0.0	0.020	55			
Mooser Creek: South Haven	4/30/2001	1	10	7.5	0.00	0.3	0.060	55			
Mooser Creek: South Haven	5/31/2001										0.185
Mooser Creek: South Haven	6/5/2001	7	90	8.5	0.10	0.0	0.060	40			
Mooser Creek: South Haven	6/28/2001									>2400	0.18
Mooser Creek: South Haven	7/6/2001	2	25	7.5	0.04	0.0	0.000	30			
Mooser Creek: South Haven	7/26/2001									310	

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Mooser Creek: South Haven	12/7/2001	6	54		0.02	0.0	0.013	999			
Mustang Creek: Morgan Road	10/31/2000	8	95	8.0		0.0	0.100	25			
Mustang Creek: Morgan Road	11/27/2000	13	110	8.0	0.11	0.0	0.027	30			
Mustang Creek: Morgan Road	12/30/2000	6	42	8.5	0.13	0.0	0.017	65			
Mustang Creek: Morgan Road	9/15/2001	7	85	8.0	0.08	0.0	0.040	45			
Mustang Creek: Morgan Road	10/27/2001	10	83	7.5	0.20		0.067	35			
Mustang Creek: Morgan Road	12/15/2001	10	79	8.0	0.00	0.3	0.027	35			
Nickel Creek: 91st S	5/29/1996	5	55	7.5	0.00	0.0	0.067	35	140		
Nickel Creek: 91st S	5/30/1996										<0.1
Nickel Creek: 91st S	6/24/1996								100		
Nickel Creek: 91st S	6/25/1996	5	60	7.5	0.00	0.2	0.067	30			
Nickel Creek: 91st S	7/16/1996								60		
Nickel Creek: 91st S	7/25/1996										0.125
Nickel Creek: 91st S	7/30/1996	7	85	7.5	0.00	0.1	0.040	30			
Nickel Creek: 91st S	8/26/1996								60		
Nickel Creek: 91st S	8/27/1996	6	75	7.5	0.00	0.0	0.030	30			
Nickel Creek: 91st S	8/28/1996										<0.1
Nickel Creek: 91st S	9/23/1996								72		
Nickel Creek: 91st S	9/24/1996	6	65	8.0	0.00	0.0	0.001	30			
Nickel Creek: 91st S	9/25/1996										0.113
Nickel Creek: 91st S	10/28/1996	9	93	7.0	0.08	0.0	0.060	30			
Nickel Creek: 91st S	11/26/1996	8	62	8.0			0.047	70			
Nickel Creek: 91st S	12/31/1996	11	89	7.5	0.00	0.0	0.020	60			
Nickel Creek: 91st S	1/30/1997	13	90	7.5	0.00	0.0	0.000	95			
Nickel Creek: 91st S	2/25/1997	8	66	7.0	0.06	0.0	0.020	55			
Nickel Creek: 91st S	3/31/1997	6	60	7.0	0.04	0.0		55			
Nickel Creek: 91st S	4/30/1997	6	60	7.0			0.047	75			
Nickel Creek: 91st S	5/19/1997								90		<0.1
Nickel Creek: 91st S	5/27/1997	6	80	7.0		0.0	0.000	90			
Nickel Creek: 91st S	6/23/1997								500		<0.1
Nickel Creek: 91st S	6/24/1997				0.00	0.0	0.003	125			
Nickel Creek: 91st S	7/16/1997								60		
Nickel Creek: 91st S	7/28/1997								10		<0.1
Nickel Creek: 91st S	7/29/1997										<0.1
Nickel Creek: 91st S	7/31/1997			7.5	0.00	0.0	0.027	40			
Nickel Creek: 91st S	8/18/1997										0.15

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Nickel Creek: 91st S	8/27/1997	7	85	7.0	0.28	0.0	0.043	60			
Nickel Creek: 91st S	8/28/1997								190		
Nickel Creek: 91st S	9/22/1997								140		<0.1
Nickel Creek: 91st S	9/23/1997								205	109	
Nickel Creek: 91st S	9/30/1997	8	90	7.5	0.00	0.0	0.046	55			
Nickel Creek: 91st S	10/30/1997	9	82	7.0	0.00	0.0	0.000	35			
Nickel Creek: 91st S	10/31/1997								64	37	
Nickel Creek: 91st S	11/25/1997	10	82	7.1	0.00	0.0	0.000	40			
Nickel Creek: 91st S	12/31/1997	9	68	8.3	0.00		0.000	70			
Nickel Creek: 91st S	1/29/1998	8	65	6.7	0.00	0.0	0.000	65			
Nickel Creek: 91st S	2/25/1998	9	82	7.8	0.00	0.0	0.020	115			
Nickel Creek: 91st S	3/26/1998	9	90	7.7	0.06	0.0	0.020	75			
Nickel Creek: 91st S	4/30/1998	11	100	7.5	0.00	0.0	0.026	60			
Nickel Creek: 91st S	5/21/1998										< 0.1
Nickel Creek: 91st S	5/28/1998	8	92	7.0	0.00	0.0	0.026	50			
Nickel Creek: 91st S	6/18/1998								110		< 0.1
Nickel Creek: 91st S	6/25/1998	6	77	7.3	0.00	0.0	0.000	35			
Nickel Creek: 91st S	7/23/1998								45		< 0.1
Nickel Creek: 91st S	7/30/1998	5	65	7.5	0.00	0.0	0.060	160			
Nickel Creek: 91st S	8/27/1998	6	79	7.2	0.00	0.0	0.230	85	1400		
Nickel Creek: 91st S	8/28/1998										0.25
Nickel Creek: 91st S	9/22/1998									120	0.177
Nickel Creek: 91st S	9/24/1998	7	87	7.0	0.00	0.0	0.000	45			
Nickel Creek: 91st S	10/29/1998	7	80	7.0	0.04	0.0	0.000	40			
Nickel Creek: 91st S	11/19/1998	7	70	7.0	0.00	0.0	0.000	75			
Nickel Creek: 91st S	12/29/1998	12	90	6.6	0.00	0.0	0.000	100			
Nickel Creek: 91st S	1/28/1999	8	72	7.5	0.28	0.0	0.000	85			
Nickel Creek: 91st S	2/25/1999	10	85	7.5	0.00	0.0	0.000	75			
Nickel Creek: 91st S	4/1/1999	7	69	7.0	0.00	0.0	0.000	25			
Nickel Creek: 91st S	4/29/1999	8	85	6.5	0.14	0.0	0.000	20			
Nickel Creek: 91st S	5/26/1999	8	87	7.0	0.06	0.0	0.000	20		130	< 0.1
Nickel Creek: 91st S	6/24/1999	4	50	7.5	0.06	0.0	0.000	10		> 2400	< 0.1
Nickel Creek: 91st S	7/29/1999	5	65	7.5	0.02	0.0	0.020	120		490	< 0.1
Nickel Creek: 91st S	8/26/1999	4	55	7.5	0.02	0.0	0.033	190		110	< 0.1
Nickel Creek: 91st S	9/23/1999	7	73	7.5	0.12	0.0	0.000	15		160	
Nickel Creek: 91st S	10/29/1999	7	69	7.5	0.00	0.0	0.000	25			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Nickel Creek: 91st S	11/24/1999	5	47	7.5	0.11	0.0	0.047	25			
Nickel Creek: 91st S	12/30/1999	9	69	8.0	0.06	0.0	0.000	40			
Nickel Creek: 91st S	1/30/2000	9	65	7.5	0.04	0.0	0.000	85			
Nickel Creek: 91st S	2/24/2000	8	76	7.5	0.25	0.0	0.060	50			
Nickel Creek: 91st S	3/30/2000	7	67	7.5	0.00	0.0	0.053	45			
Nickel Creek: 91st S	4/27/2000	6	60	7.5	0.09	0.0	0.043	45			
Nickel Creek: 91st S	5/24/2000	5	62	7.5	0.08	0.0	0.027	120		110	< 0.1
Nickel Creek: 91st S	6/29/2000	7	81	7.5	0.06	0.0	0.067	40			< 0.1
Nickel Creek: 91st S	7/27/2000	6	75	7.0	0.08	0.0	0.033	50		220	0.178
Nickel Creek: 91st S	8/24/2000	5	66	7.5	0.01	0.0	0.033	140		7	< 0.1
Nickel Creek: 91st S	9/21/2000								36	15	< 0.1
Nickel Creek: 91st S	9/30/2000	6	63	7.5	0.02	0.0	0.020	140			
Nickel Creek: 91st S	10/29/2000	7	79	7.5	0.06	0.4	0.067	35			
Nickel Creek: 91st S	12/2/2000	8	65	7.5	0.06	0.0	0.026	40			
Nickel Creek: 91st S	12/30/2000	8	55	7.5	0.02	0.0	0.000	90			
Nickel Creek: 91st S	1/27/2001	10	76	7.5	0.09	0.0	0.027	75			
Nickel Creek: 91st S	2/24/2001	9	70	7.5	0.06	0.0	0.033	20			
Nickel Creek: 91st S	4/1/2001	9	80	7.5	0.02	0.0	0.027	90			
Nickel Creek: 91st S	4/30/2001	7	76	7.5	0.04	0.2	0.100	100			
Nickel Creek: 91st S	5/31/2001	8	88	7.5	0.06	0.2	0.020	30		>2400	0.15
Nickel Creek: 91st S	6/28/2001									>2400	< 0.1
Nickel Creek: 91st S	6/30/2001	6	70	7.5	0.02	0.0	0.040	55			
Nickel Creek: 91st S	7/26/2001									10	
Nickel Creek: 91st S	7/28/2001	5	70	7.5	0.02	0.0	0.020	200			
Nickel Creek: 91st S	8/23/2001									23	
Nickel Creek: 91st S	8/25/2001	4	50	7.5	0.02	0.0	0.053	160			
Nickel Creek: 91st S	9/27/2001									3	
Nickel Creek: 91st S	9/29/2001	6	70	6.5	0.02	0.0	0.013	80			
Nickel Creek: 91st S	10/27/2001	8	70	7.5	0.00	0.0	0.020	50			
Nickel Creek: 91st S	12/1/2001	10	77	7.5	0.00	0.0	0.000	260			
North Canadian River: Lake Road (Shawnee)	2/13/1999	11	86	8.0	0.43	0.0	0.070	170			
North Canadian River: Lake Road (Shawnee)	2/15/1999							210			
North Canadian River: Lake Road (Shawnee)	3/6/1999	12	98		0.30	0.0	0.150	170			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
North Canadian River: Lake Road (Shawnee)	4/10/1999	10	94	8.0	0.69	0.0	0.240	140			
North Canadian River: Lake Road (Shawnee)	5/11/1999	10	100	8.0	0.43	0.0	0.170	50			
North Canadian River: Lake Road (Shawnee)	6/3/1999	7	90	7.8	0.26	0.0	0.240	150			
North Canadian River: Lake Road (Shawnee)	7/13/1999	7	87	7.6	0.26	0.0		65			
North Canadian River: Lake Road (Shawnee)	7/13/1999	7	87	7.6	0.24	0.0	0.190	80			
North Canadian River: Lake Road (Shawnee)	8/11/1999	6	88	8.0	0.00	0.0	0.130	150			
North Canadian River: Lake Road (Shawnee)	9/14/1999	8	83	7.6	0.78	0.0	0.041	50			
North Canadian River: Lake Road (Shawnee)	10/2/1999	9	95	8.5	1.43	0.0	0.220	160			
North Canadian River: Lake Road (Shawnee)	11/13/1999	10	96	8.3	1.75	0.0	0.517	120			
North Canadian River: Lake Road (Shawnee)	12/11/1999	10	86	8.0	0.36	0.5	0.185	45			
North Canadian River: Lake Road (Shawnee)	1/15/2000	12	95	8.0	0.15	0.0	0.087	140			
North Canadian River: Lake Road (Shawnee)	2/12/2000	12	95	8.0	1.48	0.0	0.385	140			
North Canadian River: Lake Road (Shawnee)	1/10/2001	6	48	7.6	1.40	0.4	0.500	75			
North Canadian River: Lake Road (Shawnee)	3/20/2001	7	75		0.00	0.0	0.060	90			
North Canadian River: Lake Road (Shawnee)	7/31/2001	9	115	8.0	0.80	0.0	0.280	5			
North Canadian River: Lake Road (Shawnee)	11/20/2001	3	32	7.5	0.02	0.0	0.120	5			
North Canadian River: Lake Road (Shawnee)	12/18/2001	12	95	7.5	0.00	0.0	0.000	5			
Our Lady of the Osage Hills	5/18/1993		90		0.04	0.2	0.000				
Our Lady of the Osage Hills	6/30/1993		62	8.0	0.04	0.2	0.013		36		
Our Lady of the Osage Hills	7/28/1993		77	8.0	0.04	0.2	0.027		10		
Our Lady of the Osage Hills	8/25/1993		100	8.0	0.02	0.2	0.047	4	30		
Our Lady of the Osage Hills	9/29/1993		80	7.5	0.04	0.2	0.027	5	190		
Our Lady of the Osage Hills	10/25/1993		79	7.5	0.04	0.2	0.020	5			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Our Lady of the Osage Hills	11/29/1993		72	7.5	0.02	0.2	0.020	6			
Our Lady of the Osage Hills	12/29/1993		76	8.0	0.04	0.2	0.027	5			
Our Lady of the Osage Hills	1/26/1994		66	8.0	0.06	0.2	0.000				
Our Lady of the Osage Hills	2/23/1994		80	7.5	0.02	0.2	0.000				
Our Lady of the Osage Hills	4/5/1994		96	7.5	0.00	0.2	0.013				
Our Lady of the Osage Hills	4/27/1994		99	7.5	0.00	0.2	0.000				
Our Lady of the Osage Hills	6/1/1994		100	7.5	0.02	0.0	0.000				
Our Lady of the Osage Hills	6/28/1994								<10		
Our Lady of the Osage Hills	6/29/1994		100	8.0	0.02	0.0	0.020	1			
Our Lady of the Osage Hills	7/26/1994								80		
Our Lady of the Osage Hills	7/27/1994		74	7.5	0.00	0.2	0.000	1			
Our Lady of the Osage Hills	8/31/1994		100	8.0	0.00	0.0	0.000	1			
Our Lady of the Osage Hills	8/31/1994								63		
Our Lady of the Osage Hills	9/28/1994		104	8.0	0.00	0.0	0.000	1			
Our Lady of the Osage Hills	9/28/1994								0		
Our Lady of the Osage Hills	10/26/1994		90	7.5	0.00	0.0	0.000	10			
Our Lady of the Osage Hills	11/30/1994		84	7.5	0.02	0.0	0.000	10			
Our Lady of the Osage Hills	12/29/1994		92	7.5	0.00	0.2	0.000	10			
Our Lady of the Osage Hills	2/22/1995		95	7.5	0.00	0.0	0.000	5			
Owen Park Pond	6/3/1993	11	132	8.0	0.10	0.2	0.030				
Owen Park Pond	6/29/1993	7	90	8.0	0.08	0.1	0.030		280		
Owen Park Pond	7/27/1993	5	65	8.0	0.14	0.2	0.170		900		
Owen Park Pond	8/31/1993	2	23	7.5	0.10	0.2	0.070		600		
Owen Park Pond	9/28/1993	8	85	7.5	0.09	0.1	0.030		570		
Owen Park Pond	12/3/1993	8	75	7.5	0.10	0.3	0.050				
Owen Park Pond	12/28/1993	10	75	8.0	0.10	0.1	0.000				
Owen Park Pond	1/25/1994	14	115	8.0	0.04	0.2	0.010				
Owen Park Pond	2/23/1994	9	85	7.5	0.20	0.2	0.010				
Owen Park Pond	3/31/1994	10	90	7.5	0.20	0.2	0.030				
Owen Park Pond	4/26/1994	7	78	7.5	0.10	0.2	0.060				
Owen Park Pond	7/26/1994	6	77	7.0	0.10	0.6	0.002		>60,000		
Owen Park Pond	8/30/1994								230		
Owen Park Pond	9/6/1994	4	45	7.0	0.12	0.8	0.001		230		
Owen Park Pond	9/27/1994	5	55	7.3	0.08	0.6	0.020		70		0.14
Owen Park Pond	10/25/1994	3	35	7.0	0.06	0.5	0.053				0.125
Owen Park Pond	11/29/1994	7	60	7.3	0.00	0.2	0.027				

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Owen Park Pond	1/3/1995	6	48	7.3	0.00	0.2	0.033				
Owen Park Pond	2/2/1995	8	68	7.3	0.20	0.4	0.050				
Owen Park Pond	2/28/1995	6	50	7.5	0.04	0.2	0.050				
Owen Park Pond	3/30/1995	5	40	7.5	0.05	0.2	0.030				
Oxbow Lake: Shawnee	11/7/1998	9	80	8.0	0.02	0.0	0.140	15			
Oxbow Lake: Shawnee	2/13/1999	8	61	8.0	0.07	0.0	0.170	15			
Oxbow Lake: Shawnee	3/6/1999	9	85	8.0	0.04	0.0	0.120	15			
Oxbow Lake: Shawnee	4/10/1999	9	92	8.0	0.00	0.0	0.107	15			
Oxbow Lake: Shawnee	5/1/1999	6	59	7.5	0.00	0.0	0.260	10			
Oxbow Lake: Shawnee	6/3/1999	4	46	7.8	0.02	0.0	0.170	15			
Oxbow Lake: Shawnee	6/14/1999	8	97	7.8	0.01	0.0	0.025	10			
Oxbow Lake: Shawnee	7/9/1999	4	49	7.5	0.00	0.0	0.370	10			
Oxbow Lake: Shawnee	8/7/1999	2	30	8.0	0.00	0.0	0.700	15			
Oxbow Lake: Shawnee	9/11/1999	4	54	8.0	0.01	0.1	0.450	15			
Oxbow Lake: Shawnee	10/2/1999	6	58	8.0	0.10	0.0	0.185	15			
Oxbow Lake: Shawnee	11/13/1999	4	38	8.0	0.01	0.0	0.154	15			
Oxbow Lake: Shawnee	12/11/1999	6	52	8.0	0.11	0.0	0.275	10			
Oxbow Lake: Shawnee	1/15/2000	10	79	8.0	0.00	0.0	0.027	10			
Oxbow Lake: Shawnee	2/12/2000	9	71	8.0	0.00	0.0	0.066	15			
Oxbow Lake: Shawnee	1/10/2001	2	18	7.5	0.24	0.0	0.056	10			
Oxbow Lake: Shawnee	3/30/2001	5	55		0.01	0.0	0.100	15			
Oxbow Lake: Shawnee	7/31/2001	3	42	7.5	0.05	0.0	0.160	10			
Oxbow Lake: Shawnee	11/20/2001	2	22	7.0	0.12	0.0	0.153	5			
Oxbow Lake: Shawnee	12/18/2001	10	84	8.0	0.10	0.0	0.027	5			
Park at Southwood	8/17/1997										0.23
Polecat Creek: 33rd W	5/29/1996	4	50	7.5	0.55	0.6	0.030	60	820		
Polecat Creek: 33rd W	5/30/1996										<0.1
Polecat Creek: 33rd W	6/24/1996								250		
Polecat Creek: 33rd W	6/25/1996	6	70	7.5	0.25	0.3	0.050	135			
Polecat Creek: 33rd W	7/16/1996								20		
Polecat Creek: 33rd W	7/25/1996										0.24
Polecat Creek: 33rd W	7/30/1996	5	65	7.0	0.10	0.3	0.020	160			
Polecat Creek: 33rd W	8/26/1996								1700		
Polecat Creek: 33rd W	8/27/1996	8	95	7.0	0.12	0.5	0.000	75			
Polecat Creek: 33rd W	8/28/1996										0.11
Polecat Creek: 33rd W	9/23/1996								10		

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Polecat Creek: 33rd W	9/24/1996	5	55	7.5	0.38	0.0	0.000	96			
Polecat Creek: 33rd W	9/25/1996										0.31
Polecat Creek: 33rd W	10/28/1996	7	70	7.0	0.07	0.0	0.070	45			
Polecat Creek: 33rd W	11/26/1996	8	65	8.0	0.00	0.0	0.020	75			
Polecat Creek: 33rd W	12/31/1996	8	68	7.5	0.60	0.7	0.040	80			
Polecat Creek: 33rd W	1/30/1997	12	90	7.5	0.03	0.5	0.010	95			
Polecat Creek: 33rd W	2/25/1997	11	92	7.0	0.08	0.0	0.020	35			
Polecat Creek: 33rd W	3/31/1997	8	81	7.0	0.04	0.0		55			
Polecat Creek: 33rd W	4/30/1997	7	75	7.0	0.20	0.4	0.000	70			
Polecat Creek: 33rd W	5/19/1997								110		<0.1
Polecat Creek: 33rd W	5/27/1997	6	80	7.0	0.02	0.0	0.000	122			
Polecat Creek: 33rd W	6/23/1997								140		0.104
Polecat Creek: 33rd W	6/24/1997			7.5	0.40	0.0	0.000	75			
Polecat Creek: 33rd W	7/28/1997								<10		0.125
Polecat Creek: 33rd W	7/29/1997										<0.1
Polecat Creek: 33rd W	7/30/1997	7	95	7.5	0.20	0.0	0.000	0			
Polecat Creek: 33rd W	8/18/1997										0.155
Polecat Creek: 33rd W	8/18/1997										0.22
Polecat Creek: 33rd W	8/19/1997	7	90	7.5	0.25	0.2	0.065	100			
Polecat Creek: 33rd W	8/28/1997								70		
Polecat Creek: 33rd W	9/22/1997								200		<0.1
Polecat Creek: 33rd W	9/23/1997								37	55	
Polecat Creek: 33rd W	9/30/1997	7	80	7.0	9.00	0.3	0.020	115			
Polecat Creek: 33rd W	10/6/1997	8	90		2.60	0.0					
Polecat Creek: 33rd W	10/28/1997	9	78	7.5	0.10	0.2	0.020	55			
Polecat Creek: 33rd W	11/25/1997	7	60	7.0	0.70	0.3	0.020	170			
Polecat Creek: 33rd W	12/30/1997	11	82	7.5	0.15	0.2	0.000	47			
Polecat Creek: 33rd W	1/27/1998	8	65	7.0	0.10	0.5	0.060	70			
Polecat Creek: 33rd W	2/24/1998	11	104	7.5	0.10	0.3	0.080	80			
Polecat Creek: 33rd W	3/31/1998	10	104	7.0	0.12	0.5	0.013	75			
Polecat Creek: 33rd W	5/21/1998										< 0.1
Polecat Creek: 33rd W	5/26/1998	5	65	7.5	0.00	0.2	0.017	43			
Polecat Creek: 33rd W	6/18/1998								100		< 0.1
Polecat Creek: 33rd W	6/30/1998	7	95		0.40		0.013	175			
Polecat Creek: 33rd W	7/23/1998								14		< 0.1
Polecat Creek: 33rd W	7/24/1998	7	104	7.5	0.45	0.3	0.030	170			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Polecat Creek: 33rd W	8/27/1998	4	46		0.08		0.000	210	80		
Polecat Creek: 33rd W	8/28/1998										< 0.1
Polecat Creek: 33rd W	9/29/1998	8	100	7.5	0.60	0.0	0.000	140			
Polecat Creek: 33rd W	10/20/1998	7	73	7.5	0.12	0.0	0.110	35			
Polecat Creek: 33rd W	11/24/1998			7.0	0.76	0.3	0.030	100			
Polecat Creek: 33rd W	12/22/1998	8	61	7.0	0.56	0.0	0.000	95			
Polecat Creek: 33rd W	1/28/1999	7	65	7.5	0.82	0.5	0.000	135			
Polecat Creek: 33rd W	2/25/1999	10	90	7.5	0.40	0.2	0.073	90			
Polecat Creek: 33rd W	3/26/1999	10	90	7.5	0.22	0.0	0.000	55			
Polecat Creek: 33rd W	5/5/1999	8	86	7.0	0.08	0.0	0.000	15			
Polecat Creek: 33rd W	5/26/1999									690	< 0.1
Polecat Creek: 33rd W	5/27/1999	8	95	7.0	0.16	0.0	0.067	35			
Polecat Creek: 33rd W	6/24/1999	7	86	7.0	0.10	0.0	0.120	10		>2400	< 0.1
Polecat Creek: 33rd W	7/29/1999	8	115	7.5	0.26	0.0	0.033	145		35	< 0.1
Polecat Creek: 33rd W	8/26/1999	8	100	7.5	1.20	0.0	0.027	140		28	< 0.1
Polecat Creek: 33rd W	9/23/1999									180	.11
Polecat Creek: 33rd W	10/2/1999	7	75	7.5	0.72	0.3	0.067	65			
Polecat Creek: 33rd W	10/28/1999	9	85	7.5	2.20	0.0	0.000	160			
Polecat Creek: 33rd W	11/24/1999	6	60	7.3	0.52	0.0	0.053	95			
Polecat Creek: 33rd W	12/30/1999	9	72	7.5	4.10	0.3	0.093	85			
Polecat Creek: 33rd W	1/27/2000	12	85	7.5	0.20	0.7	0.000	70			
Polecat Creek: 33rd W	2/24/2000	8	85	7.5	0.08	0.0	0.000	50			
Polecat Creek: 33rd W	3/30/2000	8	80	7.5	0.10	0.0	0.033	45			
Polecat Creek: 33rd W	4/27/2000	6	68	7.5	0.08	0.0	0.037	140			
Polecat Creek: 33rd W	5/24/2000	6	82	7.5	0.09	0.0	0.166	100		76	< 0.1
Polecat Creek: 33rd W	6/29/2000	7	90	7.0	0.04	0.0	0.051	30			< 0.1
Polecat Creek: 33rd W	7/27/2000	6	76	7.5	0.04	0.0	0.000	40		460	0.217
Polecat Creek: 33rd W	8/24/2000	6	83	7.5	0.02	0.0	0.040	180		24	< 0.1
Polecat Creek: 33rd W	9/21/2000									47	0.105
Polecat Creek: 33rd W	9/30/2000	8	90	7.5	0.42	0.3	0.027	200			
Polecat Creek: 33rd W	10/30/2000	8	91	7.5	0.10	0.0	0.000	30			
Polecat Creek: 33rd W	12/2/2000	12	69	7.5	0.12	0.0	0.040	45			
Polecat Creek: 33rd W	12/30/2000	12	80	7.5	0.34	0.0	0.000	100			
Polecat Creek: 33rd W	1/27/2001	12	91	7.5	0.28	0.0	0.000	75			
Polecat Creek: 33rd W	2/24/2001	12	97	7.0	0.18	0.0	0.000	20			
Polecat Creek: 33rd W	4/1/2001	10	90	7.5	0.10	0.0	0.067	90			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Polecat Creek: 33rd W	4/30/2001	9	105	7.5	0.04	0.0	0.033	100			
Polecat Creek: 33rd W	5/27/2001	8	105	7.5	0.16	0.0	0.146	70			
Polecat Creek: 33rd W	5/31/2001									2000	0.2
Polecat Creek: 33rd W	6/28/2001									1700	< 0.1
Polecat Creek: 33rd W	6/30/2001	7	90	7.5	0.10	0.0	0.060	180			
Polecat Creek: 33rd W	7/26/2001									70	
Polecat Creek: 33rd W	7/28/2001	5	70	7.5	0.00	0.0	0.020	200			
Polecat Creek: 33rd W	8/23/2001									54	
Polecat Creek: 33rd W	8/25/2001	6	80	7.5	0.04	0.0	0.000	180			
Polecat Creek: 33rd W	9/27/2001									46	
Polecat Creek: 33rd W	9/29/2001	10	120	7.5	0.00	0.0	0.000	160			
Polecat Creek: 33rd W	10/27/2001	10	95	7.5	0.04	0.0	0.033	140			
Polecat Creek: 33rd W	12/1/2001	11	88	7.5	0.34	0.0	0.100	160			
Posey Creek: Yale Place	6/30/1993		80	8.0	0.04	0.2	0.000		120		
Posey Creek: Yale Place	7/28/1993		90	8.0	0.03	0.2	0.033		45		
Posey Creek: Yale Place	8/25/1993		108	8.0	0.04	0.2	0.033	4	10		
Posey Creek: Yale Place	9/29/1993		63	7.5	0.02	0.2	0.047	5	10		
Posey Creek: Yale Place	10/25/1993		55	7.5	0.04	0.2	0.033	5			
Posey Creek: Yale Place	11/29/1993		55	7.5	0.04	0.2	0.040	6			
Posey Creek: Yale Place	12/29/1993		60	8.0	0.06	0.4	0.000	5			
Posey Creek: Yale Place	1/26/1994		88	8.0	0.06	0.2	0.013	7			
Posey Creek: Yale Place	2/23/1994		85	7.5	0.04	0.0	0.020	2			
Posey Creek: Yale Place	4/5/1994		87	8.0	0.00	0.2	0.013	6			
Posey Creek: Yale Place	4/27/1994		88	8.0	0.00	0.2	0.000	4			
Posey Creek: Yale Place	5/27/1994		100	7.5	0.00	0.0	0.000	3			
Posey Creek: Yale Place	6/28/1994								40		
Posey Creek: Yale Place	6/29/1994		70	7.5	0.02	0.0	0.000	3			
Posey Creek: Yale Place	7/26/1994								490		
Posey Creek: Yale Place	7/27/1994		80	8.0	0.02	0.2	0.000	3			
Posey Creek: Yale Place	8/30/1994								45		
Posey Creek: Yale Place	8/31/1994		70	7.5	0.00	0.0	0.033	2			
Posey Creek: Yale Place	9/28/1994		72	7.5	0.00	0.0	0.000	2	<10		
Posey Creek: Yale Place	10/26/1994		65	7.5	0.02	0.0	0.033	40			
Posey Creek: Yale Place	11/30/1994		86	7.5	0.00	0.0	0.013	50			
Posey Creek: Yale Place	12/29/1994		96	8.0	0.00	0.2	0.000	80			
Ranch Creek	5/30/1995										<0.1

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Ranch Creek	6/2/1995	9	100	7.5	0.00	0.0	0.113	10			
Ranch Creek	6/28/1995	8	100	7.5	0.00	0.0	0.000	6	410		<0.1
Ranch Creek	7/26/1995								560		
Ranch Creek	7/28/1995	7	70	7.5	0.00	0.0	0.027	80			
Ranch Creek	8/21/1995								270		
Ranch Creek	8/30/1995	7	90	7.5	0.02	0.0	0.040	55			
Ranch Creek	8/31/1995										0.1
Ranch Creek	9/27/1995	3	35	7.5	0.04	0.0	0.025	140	27		<0.1
Ranch Creek	11/6/1995	6	52	7.5	0.00	0.0	0.027	25			
Ranch Creek	11/30/1995	8	64	7.5	0.00	0.0	0.000	120			
Ranch Creek	12/28/1995	9	75	8.0	0.00	0.0	0.000	35			
Ranch Creek	1/24/1996	10	93	8.0	0.00	0.0	0.000	60			
Ranch Creek	2/27/1996	10	84	7.0	0.40	0.0	0.000	5			
Ranch Creek	3/25/1996	10	90	7.5	0.40	0.0	0.000	20			
Ranch Creek	4/23/1996	10	98	7.5	0.00	0.0	0.033	80			
Ranch Creek	5/29/1996								27		
Ranch Creek	5/30/1996										<0.1
Ranch Creek	6/3/1996	5	60	7.5	0.06	0.3	0.077	20			
Ranch Creek	6/24/1996	6	75	7.5	0.00	0.0	0.000	10	500		
Ranch Creek	6/27/1996										<0.1
Ranch Creek	7/17/1996								10		
Ranch Creek	7/29/1996	5	60	7.5	0.00	0.5	0.000	10			
Ranch Creek	8/26/1996	5	59	8.0	0.00	0.0	0.053	40	150		
Ranch Creek	8/28/1996										<0.1
Ranch Creek	9/23/1996	6	70	7.5	0.00	1.2	0.000	20	Lab accident		
Ranch Creek	9/25/1996										0.1
Ranch Creek	11/7/1996	8	80	7.0	0.00	0.0	0.000	15			
Ranch Creek	11/26/1996	6	45	7.5	0.10	0.0	0.000	80			
Ranch Creek	1/2/1997	11	100	7.5	0.45	0.0	0.000	60			
Ranch Creek	1/27/1997	11	87	7.5	0.00	0.0	0.020	40			
Ranch Creek	2/24/1997	9	80	7.5	0.11	0.0	0.000	25			
Ranch Creek	3/31/1997	8	72	7.5	0.02	0.0	0.027	30			
Ranch Creek	4/28/1997	6	60	7.5	0.02	0.0	0.000	35			
Ranch Creek	5/19/1997								<10		
Ranch Creek	5/19/1997										<0.1
Ranch Creek	6/3/1997	6	60	7.5	0.00	0.0	0.000	47			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Ranch Creek	6/23/1997	6	72	7.5	0.08	0.0	0.000	17	110		<0.1
Ranch Creek	7/28/1997	4	60	7.5	0.00	0.0	0.040	32	<10		<0.1
Ranch Creek	7/29/1997										0.157
Ranch Creek	8/18/1997										0.12
Ranch Creek	8/25/1997	6	75	7.5	0.06	0.0	0.090	15			
Ranch Creek	8/28/1997								50		
Ranch Creek	9/22/1997								<10		<0.1
Ranch Creek	9/30/1997	4	40	7.5	0.06	0.0	0.050	15			
Ranch Creek	10/27/1997	6	55	7.5	0.04	0.3	0.027	5			
Ranch Creek	11/24/1997	7	60	7.5	0.00	0.0	0.020	25			
Ranch Creek	12/29/1997	11	85	7.5	0.18	0.0	0.000	20			
Ranch Creek	1/25/1998	12	85	7.5	0.31	0.0	0.040	15			
Ranch Creek	2/27/1998	8	75	7.5	0.10	0.0	0.013	15			
Ranch Creek	3/30/1998	8	95	7.5	0.00	0.0	0.000	20			
Ranch Creek	4/27/1998	9	92	7.0	0.00	0.0	0.000	5			
Ranch Creek	5/21/1998								110		< 0.1
Ranch Creek	5/29/1998	5	60	7.5	0.06	0.0	0.000	20			
Ranch Creek	6/18/1998								150		< 0.1
Ranch Creek	6/29/1998	5	75	7.5	0.02	0.3	0.046	35			
Ranch Creek	7/23/1998	6	83	7.5	0.00	0.0	0.046	20	91		< 0.1
Ranch Creek	8/27/1998	2	27	7.5	0.01	0.3	0.027	15	150		
Ranch Creek	8/28/1998										< 0.1
Ranch Creek	9/22/1998									> 2400	0.137
Ranch Creek	9/28/1998	4	50	7.5	0.04	0.0	0.020	10			
Ranch Creek	10/27/1998	6	70	7.0	0.00	0.0	0.000	20			
Ranch Creek	11/18/1998	8	75	7.5	0.04	0.0	0.030	15			
Ranch Creek	12/21/1998	12	90	7.5	0.06	0.0	0.013	25			
Ranch Creek	1/25/1999	11	85	7.5	0.20	0.0	0.020	30			
Ranch Creek	2/22/1999	12	80	7.5	0.02	0.0	0.020	35			
Ranch Creek	3/31/1999	8	85	7.5	0.02	0.0	0.000	35			
Ranch Creek	4/26/1999	8	83	7.0	0.10	0.0	0.013	10			
Ranch Creek	5/24/1999	6	80	7.0	0.10	0.0	0.010	15			
Ranch Creek	5/26/1999									> 2400	< 0.1
Ranch Creek	6/24/1999									> 2400	< 0.1
Ranch Creek	6/28/1999	6	85	7.5	0.09	0.0	0.020	30			
Ranch Creek	7/26/1999	4	60	7.5	0.00	0.0	0.020	50			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Ranch Creek	7/29/1999									110	< 0.1
Ranch Creek	8/23/1999	2	25	7.5	0.02	0.0	0.027	35			
Ranch Creek	8/26/1999									20	< 0.1
Ranch Creek	9/23/1999									290	< 0.1
Ranch Creek	9/29/1999	8	85	7.5	0.14	0.3	0.000	20			
Ranch Creek	10/25/1999	4	32	7.5	0.00	0.0	0.000	15			
Ranch Creek	11/29/1999	7	55	7.5	0.20	0.0	0.000	10			
Ranch Creek	12/21/1999	7	54	7.5	0.06	0.0	0.000	15			
Ranch Creek	1/31/2000	11	82	7.5	0.02	0.0	0.033	15			
Ranch Creek	2/24/2000	9	85	8.0	0.09	0.0	0.027	20			
Ranch Creek	3/31/2000	10	90	8.0	0.00	0.0	0.000	25			
Ranch Creek	4/25/2000	6	65	8.0	0.00	0.0	0.000	25			
Ranch Creek	5/24/2000	5	65	8.0	0.04	0.0	0.020	25		460	< 0.1
Ranch Creek	6/29/2000	7	80	8.0	0.08	0.0	0.093	10			< 0.1
Ranch Creek	7/27/2000	6	80	7.0	0.00	0.0	0.030	5		>2400	0.21
Ranch Creek	8/24/2000			7.0	0.01	0.0	0.033	10		460	< 0.1
Ranch Creek	9/21/2000	7	73	7.5	0.00	0.3	0.007	5		68	0.105
Ranch Creek	11/1/2000	2	30	7.5	0.12	0.0	0.060	15			
Ranch Creek	11/28/2000	10	79	7.5	0.02	0.1	0.027	15			
Ranch Creek	12/18/2000	13	90	7.5	0.00	0.0	0.002	15			
Ranch Creek	1/30/2001	11	80		0.13	0.2	0.050	10			
Ranch Creek	3/2/2001	12	90	7.5	0.10	0.1	0.033	15			
Ranch Creek	4/2/2001	9	88		0.00	0.0	0.013	20			
Ranch Creek	5/2/2001	6	65	8.0		0.3	0.040	35			
Ranch Creek	5/31/2001	8	85	7.5	0.04	0.0	0.067	5		1100	0.185
Ranch Creek	6/28/2001	5	65	7.5	0.00	0.3	0.001	20		>2400	< 0.1
Ranch Creek	7/26/2001	4	58	7.5	0.20	0.7	0.060	10		160	
Ranch Creek	8/23/2001			8.0	1.00	2.0	0.040	15		57	
Ranch Creek	9/25/2001	5	53	7.5	0.10	2.0	0.033	10			
Ranch Creek	9/27/2001									58	
Ranch Creek	12/27/2001	11	83	8.0	0.00	0.0	0.000	15			
Ranch Pond	5/29/1996								10		
Ranch Pond	5/30/1996										<0.1
Ranch Pond	6/3/1996	8	94	7.8	0.05	0.0	0.000	15			
Ranch Pond	6/24/1996	8	99	7.5	0.00	0.0	0.000	10			
Ranch Pond	6/27/1996										<0.1

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Ranch Pond	7/17/1996								660		
Ranch Pond	7/29/1996	7	90	7.5	0.00	0.0	0.000	10			
Ranch Pond	8/26/1996	8	105	8.0	0.00	0.0	0.000	15	10		
Ranch Pond	8/28/1996										<0.1
Ranch Pond	9/23/1996	10	110	8.0	0.06	0.0	0.000	15			
Ranch Pond	9/25/1996										0.19
Ranch Pond	11/7/1996	9	80	7.0	0.00	0.0	0.000	10			
Ranch Pond	11/26/1996	10	82	7.0	0.06	0.0	0.000	40			
Ranch Pond	1/2/1997	10	88	7.5	0.10	0.0	0.000	20			
Ranch Pond	2/24/1997	8	67	7.5	0.11	0.0	0.000	15			
Ranch Pond	3/31/1997	8	85	7.5	0.12	0.0	0.050	10			
Ranch Pond	4/28/1997	9	95	7.5	0.04	0.0	0.010	5			
Ranch Pond	5/19/1997								<10		0.126
Ranch Pond	6/3/1997	8	90	7.5	0.05	0.0	0.000	10			
Ranch Pond	6/23/1997	8	115	8.0	0.02	0.0	0.000	10	<10		<0.1
Ranch Pond	7/28/1997	8	120	8.0	0.00	0.0	0.000	15	<10		<0.1
Ranch Pond	8/25/1997	8	105	8.5	0.00	0.0	0.000	10			
Ranch Pond	9/22/1997								<10		<0.1
Ranch Pond	9/30/1997	8	100	8.5	0.00	0.0	0.020	15			
Ranch Pond	10/27/1997	6	56	7.5	0.08	0.3	0.013	5			
Ranch Pond	11/24/1997	11	96	7.5	0.29	0.0	0.015	5			
Ranch Pond	12/29/1997	5	40	7.5	0.20	0.0	0.000	5			
Ranch Pond	1/25/1998	10	80	7.2	0.42	0.0	0.030	10			
Ranch Pond	2/27/1998	11	100	7.0	0.44	0.0	0.027	5			
Ranch Pond	3/30/1998	9	105	7.5	0.12	0.0	0.000	10			
Ranch Pond	4/27/1998	9	100	7.5	0.13	0.0	0.033	5			
Ranch Pond	5/21/1998								<10		< 0.1
Ranch Pond	5/29/1998	8	110	7.5	0.03	0.0	0.000	5			
Ranch Pond	6/18/1998								35		< 0.1
Ranch Pond	6/29/1998	8	120	8.5	0.03	0.0	0.020	10			
Ranch Pond	7/23/1998	9	142	8.5	0.00	0.0	0.020	10	16		< 0.1
Ranch Pond	8/27/1998	6	90	9.0	0.00	0.0	0.030	5	5		
Ranch Pond	8/28/1998										< 0.1
Ranch Pond	9/22/1998									120	0.15
Ranch Pond	9/28/1998	8	110	9.0	0.00	0.0	0.020	5			
Ranch Pond	10/27/1998			7.5	0.04	0.0	0.020	10			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Ranch Pond	11/18/1998	8	80	7.5	0.14	0.3	0.000	5			
Ranch Pond	12/21/1998			7.3	0.20	0.0	0.000	5			
Ranch Pond	1/25/1999			7.0	0.26	0.0	0.020	5			
Ranch Pond	2/22/1999			7.5	0.35	0.0	0.013	10			
Ranch Pond	3/31/1999			7.5	0.36	0.0	0.000	5			
Ranch Pond	4/26/1999			7.0	0.09	0.0	0.013	5			
Ranch Pond	5/24/1999			7.5	0.02	0.0	0.013	10			
Ranch Pond	5/26/1999									20	< 0.1
Ranch Pond	6/24/1999									19	< 0.1
Ranch Pond	6/28/1999			7.5	0.03	0.0	0.017	10			
Ranch Pond	7/26/1999			9.5	0.02	0.0	0.013	10			
Ranch Pond	7/29/1999									770	< 0.1
Ranch Pond	8/23/1999			8.5	0.03	0.0	0.020	10			
Ranch Pond	8/26/1999									4	< 0.1
Ranch Pond	9/23/1999									3	.12
Ranch Pond	9/29/1999			7.5	0.02	0.0	0.000	10			
Ranch Pond	10/25/1999			7.5	0.04	0.3	0.000	5			
Ranch Pond	11/29/1999			7.5	1.10	0.0	0.000	5			
Ranch Pond	12/21/1999			7.5	0.14	0.0	0.000	5			
Ranch Pond	1/31/2000			7.5	0.08	0.0	0.033	5			
Ranch Pond	2/24/2000			7.8	0.08	0.0	0.020	5			
Rock Creek: 40' Hole	10/15/2001	12	127	8.0	0.02	0.0	0.047	40			
Rock Creek: 40' Hole	11/24/2001	13	125	8.5	0.02	0.0	0.020	85			
Sheridan Oaks	8/17/1997										0.11
Southern Links	8/18/1997										0.155
Southern Oaks Pond (East Side)	6/1/1993		120	8.1	0.01	0.2	0.067				
Southern Oaks Pond (East Side)	6/17/1993		132	8.5	0.01	0.2	0.167		9		
Southern Oaks Pond (East Side)	7/22/1993		78	7.5	0.01	0.5	0.233		270		
Southern Oaks Pond (East Side)	8/26/1993		92	7.5	0.10	0.0	0.167		600		
Southern Oaks Pond (East Side)	9/23/1993		102	7.7	0.10	0.3	0.167		81		
Southern Oaks Pond (East Side)	10/21/1993		82	7.5	0.10	0.5	0.087				

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Southern Oaks Pond (East Side)	11/18/1993		72	7.3	0.35	0.2	0.087				
Southern Oaks Pond (East Side)	12/16/1993		96	7.5	0.30	0.1	0.080				
Southern Oaks Pond (East Side)	1/26/1994		90	7.5	0.20	0.2	0.000				
Southern Oaks Pond (East Side)	2/24/1994		100	8.5	0.10	0.2	0.033				
Southern Oaks Pond (East Side)	3/31/1994		85	7.5	0.10	0.2	0.047				
Southern Oaks Pond (East Side)	4/28/1994		80	7.5	0.10	0.0	0.000				
Southern Oaks Pond (East Side)	5/26/1994		85	8.7	0.10	0.2	0.033				
Southern Oaks Pond (East Side)	6/24/1994		50	7.5	0.03	0.0	0.033				
Southern Oaks Pond (East Side)	8/30/1994										0.12
Spring Creek: Cherokee Cattle	2/17/2001			7.5	0.20	0.0	0.000	10			
Spring Creek: Cherokee Cattle	3/16/2001			7.5	0.50	0.0	0.000	15			
Spring Creek: Cherokee Cattle	4/23/2001	10	98	7.5	0.20	0.0	0.040	15			
Spring Creek: Cherokee Cattle	10/30/2001	4	44	7.5	0.10	0.0	0.013	15			
Spring Creek: Fram	11/20/1999	12	117	7.5	0.11	0.0	0.025	20			
Spring Creek: Fram	12/18/1999	13	101	7.5	0.04	0.0	0.020	20			
Spring Creek: Fram	1/22/2000	14	107	7.5	0.29	0.0	0.020	20			
Spring Creek: Fram	2/19/2000	13	110	7.5	0.16	0.0	0.010	15			
Spring Creek: Fram	3/18/2000	12	110	7.5	0.07	0.0	0.007	20			
Spring Creek: Fram	5/21/2000	11	110	7.5	0.48	0.0	0.013	15			
Spring Creek: Fram	6/18/2000	10	100	7.5	0.57	0.0	0.080	10			
Spring Creek: Fram	7/15/2000	8	90	7.5	0.50	0.0	0.030	15			
Spring Creek: Fram	8/15/2000	8	95	7.0	0.41	0.0	0.020	20			
Spring Creek: Fram	9/9/2000	6	75	7.8	0.10	0.2	0.035	15			
Spring Creek: Fram	10/20/2000	8	85	7.3	0.35	0.2	0.045	20			
Spring Creek: Fram	11/19/2000	12	107	7.5	0.34	0.0	0.030	15			
Spring Creek: Fram	12/16/2000	12	100	7.5	0.25	0.0	0.040	15			
Spring Creek: Fram	1/21/2001	14	120	7.5	0.48	0.0	0.018	15			
Spring Creek: Fram	2/27/2001	14	120	7.5	0.70	0.0	0.040	10			
Spring Creek: Fram	3/24/2001	13	115	7.5	0.50	0.0	0.027	15			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Spring Creek: Fram	4/22/2001	11	110	7.5	0.44	0.0	0.020	15			
Spring Creek: Fram	5/26/2001	10	100	7.5	0.35	0.0	0.020	15			
Spring Creek: Fram	5/30/2001										<0.1
Spring Creek: Fram	6/28/2001										< 0.1
Spring Creek: Galloway	4/18/2000	12	125	8.0	0.18	0.0	0.000	15			
Spring Creek: Galloway	9/16/2000	23		7.0	0.13	0.1	0.017	15			
Spring Creek: I-35	3/3/2001	10	83	8.0	0.08		0.040	19			
Spring Creek: I-35	7/7/2001	6	80	8.0	0.00	0.0	0.000	90			
Spring Creek: I-35	8/4/2001	6	80	8.0	0.00	0.0	0.000	40			
Spring Creek: I-35	9/8/2001	6	70	7.0	0.10	0.0		15			
Spring Creek: I-35	10/6/2001	6	60	8.0	0.00	0.0	0.000	75			
Spring Creek: I-35	12/1/2001	8	85	8.0	0.00	0.0	0.000	75			
Spring Creek: Kansas	3/30/1931	12	110	6.5	0.20	0.0	0.130	20			
Spring Creek: Kansas	11/30/2000	3	30	6.5	0.00	0.0	0.000	15			
Spring Creek: Kansas	5/30/2001										0.21
Spring Creek: Kansas	6/28/2001										< 0.1
Spring Creek: Oaks	5/30/2001										< 0.1
Spring Creek: Oaks	6/28/2001										< 0.1
Spunky Creek: Catoosa Soccer Fields	9/30/1996	7	65	7.5	0.15	0.0	0.000	25			
Spunky Creek: Catoosa Soccer Fields	10/28/1996	10	96	7.5	0.15	0.0	0.010	15			
Spunky Creek: Catoosa Soccer Fields	11/12/1996	9	74	7.5	0.00		0.020	30			
Spunky Creek: Catoosa Soccer Fields	12/16/1996	12	87	7.5	0.20	0.2	0.030	30			
Spunky Creek: Catoosa Soccer Fields	1/23/1997	10	89	8.0	0.10	0.1	0.030	50			
Spunky Creek: Catoosa Soccer Fields	2/20/1997	11	90	7.5	0.20	0.0	0.000	40			
Spunky Creek: Catoosa Soccer Fields	3/7/1997	11	95	7.5	0.20	0.1	0.010	25			
Spunky Creek: Catoosa Soccer Fields	4/17/1997	9	85	7.5	0.30	0.0	0.013	30			
Spunky Creek: Catoosa Soccer Fields	5/6/1997	9	120	8.0	0.02	0.8	0.007	10			
Spunky Creek: Catoosa Soccer Fields	6/11/1997	8	100	7.5	0.00	0.0	0.033	50			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Spunky Creek: Catoosa Soccer Fields	7/21/1997	8	90	7.5	0.02	0.0	0.073	45			
Spunky Creek: Catoosa Soccer Fields	8/16/1997	6	71	7.5	0.02	0.1	0.050	30			
Sycamore Creek	3/13/2000	15	147	7.5	1.50	0.0	0.030	15			
Sycamore Creek	4/13/2000	38	200	7.5	0.90	0.0	0.030	20			
Sycamore Creek	5/11/2000	7	94	7.0	1.50	0.0	0.133	15			
Sycamore Creek	6/27/2000	8	85	7.0	1.00	0.0	0.015	15			
Sycamore Creek	7/28/2000	8	85	7.5	0.60	0.0	0.087	15			
Sycamore Creek	8/29/2000	9	105	7.5	0.15	0.0	0.030	15			
Sycamore Creek	9/25/2000	8	83	7.5	1.50	0.0	0.030	25			
Sycamore Creek	10/30/2000	10	124	7.5	1.50	0.0	0.025	30			
Sycamore Creek	11/26/2000	11	95	7.5	1.00	0.0	0.030	25			
Sycamore Creek	12/21/2000	10	75	7.5	1.00	0.0	0.030	25			
Sycamore Creek	1/23/2001	12	96	7.5	0.14	0.0	0.030	20			
Sycamore Creek	2/13/2001	10	90	7.5	0.40	0.0	0.030	15			
Sycamore Creek	3/13/2001	14	135	8.0	0.30	0.0	0.020	20			
Sycamore Creek	4/17/2001	13	128	7.5	2.00	0.0	0.025	15			
Sycamore Creek	5/21/2001	13	130	7.5	0.20	0.0	0.030	35			
Sycamore Creek	6/29/2001	11	130	7.5	0.50	0.0	0.070	10			
Sycamore Creek	7/25/2001	9	110	7.5	0.50	0.0	0.067	15			
Sycamore Creek	8/27/2001	8	100	7.5	0.02	0.0	0.530	15			
Sycamore Creek	9/25/2001	9	92	7.5	0.40	0.0	0.007	25			
Sycamore Creek	10/15/2001	6	62	7.5	1.50	0.0	0.060	15			
Sycamore Creek	11/15/2001	11	109	7.5	0.43	0.0	0.040	20			
Sycamore Creek	12/13/2001	12	110	7.5	0.32	0.0	0.033	15			
Tahlequah Town Branch: Basin	4/3/2001	16	150	8.0	0.50		0.000	25			
Tahlequah Town Branch: Basin	5/1/2001	13	135	7.5	2.50	0.0	0.000	90			
Tahlequah Town Branch: Basin	5/29/2001										0.17
Tahlequah Town Branch: Basin	5/29/2001										0.22
Tahlequah Town Branch: Basin	6/5/2001	12	130	7.5	0.75	0.0	0.060	10			
Tahlequah Town Branch: Basin	6/28/2001										< 0.1

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Tahlequah Town Branch: Basin	7/26/2001									580	
Tahlequah Town Branch: Spring	3/2/2001	0	9	7.5	0.65	0.0	0.000	10			
Tahlequah Town Branch: Spring	4/2/2001	6	65	7.0	1.00	0.0	0.127	25			
Tahlequah Town Branch: Spring	5/1/2001	11	125	5.5	0.40	0.0	0.057	20			
Tahlequah Town Branch: Spring	5/29/2001										0.19
Tahlequah Town Branch: Spring	5/29/2001										< 0.1
Tahlequah Town Branch: Spring	6/5/2001	11	125	7.0	1.50	0.0	0.040	10			
Tahlequah Town Branch: Spring	6/28/2001										< 0.1
Tahlequah Town Branch: Spring	7/26/2001									460	
Travertine Creek: Central Campground	10/15/2001	11	122	8.0	0.04	0.1	0.067	10			
Travertine Creek: Central Campground	11/27/2001	6	58	8.0	0.60	0.0	0.020	10			
Travertine Creek: Central Campground	12/18/2001	6	56	8.0	0.40	0.0	0.033	10			
TU (11th and Harvard)	8/18/1997										0.2
Vensel Creek: 91st S	10/3/1996	10	110	7.5	0.00		0.000	40			
Vensel Creek: 91st S	11/7/1996	12	120	7.0	0.00		0.000	35			
West Elm Creek: SE 164th (Bethel Rd.)	12/30/2000	18	120	8.5	0.20	0.0	0.026	25			
West Elm Creek: SE 164th (Bethel Rd.)	1/27/2001	4	35	8.5	0.06	0.0	0.000	15			
West Elm Creek: SE 164th (Bethel Rd.)	10/6/2001	7	67	8.0	0.00	0.0	0.000	20			
West Elm Creek: SE 164th (Bethel Rd.)	11/3/2001	4	43	7.8	0.30	0.0	0.040	20			
Wolf Creek: Cherokee	2/27/2001	9	80	7.5	4.80	0.4	0.400	15			
Wolf Creek: Cherokee	5/28/2001										0.325
Wolf Creek: Cherokee	5/28/2001										0.125
Wolf Creek: Cherokee	9/30/2001	11	125	7.5	0.00	0.0	0.150	15			

Site Name	Date	DO mg/L	% Oxygen Saturation	pH	Nitrate mg/L N	Ammonia mg/L NH3-N	Orthophosphate mg/L P	Chloride mg/L Cl	Fecal Coliform	EColi	ppb Chlorpyrifos
Wolf Creek: Cherokee	11/6/2001	5	55	7.0	0.00	0.2	0.146	15			
Wolf Creek: Cherokee	12/4/2001	15	146	7.5	0.04	0.0	0.033	15			

Appendix G

Department of Agriculture Food and Forestry Data

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
8/28/1997	0.01	7.74			Blaine	9	18	N	10	W	I	NW	NE					-98.270379	36.05618
6/23/1998	0.04	7.06			Blaine	9	18	N	10	W	I	NW	NE					-98.270379	36.05618
12/7/1998	0.07	7.61			Blaine	9	18	N	10	W	I	NW	NE					-98.270379	36.05618
3/11/1999	0.06	7.28			Blaine	9	18	N	10	W	I	NW	NE					-98.270379	36.05618
5/20/1999	0.02	7.42			Blaine	9	18	N	10	W	I	NW	NE					-98.270379	36.05618
7/14/1999	0.04	7.16			Blaine	9	18	N	10	W	I	NW	NE					-98.270379	36.05618
11/11/1999		7.56			Blaine	9	18	N	10	W	I	NW	NE					-98.270379	36.05618
3/30/2000		7.31			Blaine	9	18	N	10	W	I	NW	NE					-98.270379	36.05618
7/20/2000	0.04	7.55			Blaine	9	18	N	10	W	I	NW	NE					-98.270379	36.05618
4/30/2001		7.7			Blaine	9	18	N	10	W	I	NW	NE					-98.270379	36.05618
8/9/2001		7.26			Blaine	9	18	N	10	W	I	NW	NE					-98.270379	36.05618
12/13/2001		7.67			Blaine	9	18	N	10	W	I	NW	NE					-98.270379	36.05618
3/28/2002	0.02	7.6			Blaine	9	18	N	10	W	I	NW	NE					-98.270379	36.05618
6/27/2002		6.95			Blaine	9	18	N	10	W	I	NW	NE					-98.270379	36.05618
8/15/2002		6.98			Blaine	9	18	N	10	W	I	NW	NE					-98.270379	36.05618
8/28/1997	0.06	11.8			Blaine	5	18	N	10	W	I	SW	SW					-98.297199	36.059754
6/23/1998	0.04	8.42			Blaine	5	18	N	10	W	I	SW	SW					-98.297199	36.059754
12/7/1998	0	9.44			Blaine	5	18	N	10	W	I	SW	SW					-98.297199	36.059754
3/11/1999	0.06	8.63			Blaine	5	18	N	10	W	I	SW	SW					-98.297199	36.059754
5/20/1999	0.02	11.39			Blaine	5	18	N	10	W	I	SW	SW					-98.297199	36.059754
7/13/1999	0.06	9.3			Blaine	5	18	N	10	W	I	SW	SW					-98.297199	36.059754
11/11/1999		10.7			Blaine	5	18	N	10	W	I	SW	SW					-98.297199	36.059754
3/30/2000		11.49			Blaine	5	18	N	10	W	I	SW	SW					-98.297199	36.059754
7/20/2000	0.04	8.8			Blaine	5	18	N	10	W	I	SW	SW					-98.297199	36.059754
4/30/2001		8.85			Blaine	5	18	N	10	W	I	SW	SW					-98.297199	36.059754
8/9/2001		6.63			Blaine	5	18	N	10	W	I	SW	SW					-98.297199	36.059754
12/13/2001		8.04			Blaine	5	18	N	10	W	I	SW	SW					-98.297199	36.059754

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
3/28/2002	0.02	7.47			Blaine	5	18	N	10	W	I	SW	SW					-98.297199	36.059754
6/27/2002		6.98			Blaine	5	18	N	10	W	I	SW	SW					-98.297199	36.059754
8/15/2002		6.92			Blaine	5	18	N	10	W	I	SW	SW					-98.297199	36.059754
8/28/1997		7.82			Blaine	4	18	N	10	W	I	SW	SE					-98.27039	36.059773
6/23/1998	0.03	6.95			Blaine	4	18	N	10	W	I	SW	SE					-98.27039	36.059773
12/5/1998	0.04	1.03			Blaine	4	18	N	10	W	I	SW	SE					-98.27039	36.059773
3/11/1999	0.04	8.72			Blaine	4	18	N	10	W	I	SW	SE					-98.27039	36.059773
5/20/1999	0.02	9.36			Blaine	4	18	N	10	W	I	SW	SE					-98.27039	36.059773
7/13/1999	0.02	8.61			Blaine	4	18	N	10	W	I	SW	SE					-98.27039	36.059773
11/11/1999		8.37			Blaine	4	18	N	10	W	I	SW	SE					-98.27039	36.059773
3/30/2000		9.03			Blaine	4	18	N	10	W	I	SW	SE					-98.27039	36.059773
7/20/2000	0.04	9.07			Blaine	4	18	N	10	W	I	SW	SE					-98.27039	36.059773
4/30/2001		9.64			Blaine	4	18	N	10	W	I	SW	SE					-98.27039	36.059773
8/9/2001		10.02			Blaine	4	18	N	10	W	I	SW	SE					-98.27039	36.059773
12/13/2001		8.58			Blaine	4	18	N	10	W	I	SW	SE					-98.27039	36.059773
3/28/2002	0.02	8.72			Blaine	4	18	N	10	W	I	SW	SE					-98.27039	36.059773
6/27/2002		8.09			Blaine	4	18	N	10	W	I	SW	SE					-98.27039	36.059773
8/15/2002		7.85			Blaine	4	18	N	10	W	I	SW	SE					-98.27039	36.059773
12/16/1997	0.02	10.82			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756
8/12/1998	0.08	8.57			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756
12/7/1998	0.05	11.57			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756
3/11/1999	0.1	9.52			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756
5/20/1999	0.02	9.75			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756
7/13/1999	0.06	9.87			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756
11/11/1999		9.49			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756
3/30/2000		8.22			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756
7/20/2000	0.04	8.99			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756
4/30/2001		8.39			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756
8/9/2001		7.11			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756
12/13/2001		9.95			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756
3/28/2002	0.02	6.36			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
6/27/2002		5.28			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756
8/15/2002		7.98			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756
12/7/1998	0.04	9.49			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756
3/11/1999	0.04	8.08			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756
11/11/1999		9.65			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756
3/30/2000		10.27			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756
7/20/2000	0.04	9.67			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756
4/30/2001		8.61			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756
8/9/2001		7.82			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756
6/27/2002		4.81			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756
8/15/2002		6.41			Blaine	5	18	N	10	W	I	SE	SE					-98.283866	36.059756
8/28/1997		3.39			Blaine	6	18	N	10	W	I	SW	SW					-98.314793	36.059742
6/23/1998	0.02	3.36			Blaine	6	18	N	10	W	I	SW	SW					-98.314793	36.059742
3/11/1999	0.04	5.82			Blaine	6	18	N	10	W	I	SW	SW					-98.314793	36.059742
5/20/1999	0.04	3.45			Blaine	6	18	N	10	W	I	SW	SW					-98.314793	36.059742
7/13/1999	0.04	3.39			Blaine	6	18	N	10	W	I	SW	SW					-98.314793	36.059742
11/11/1999		2.06			Blaine	6	18	N	10	W	I	SW	SW					-98.314793	36.059742
3/30/2000		2.41			Blaine	6	18	N	10	W	I	SW	SW					-98.314793	36.059742
7/20/2000	0.08	3.13			Blaine	6	18	N	10	W	I	SW	SW					-98.314793	36.059742
4/30/2001		3.24			Blaine	6	18	N	10	W	I	SW	SW					-98.314793	36.059742
8/9/2001		3.23			Blaine	6	18	N	10	W	I	SW	SW					-98.314793	36.059742
12/13/2001		3.48			Blaine	6	18	N	10	W	I	SW	SW					-98.314793	36.059742
3/28/2002	0.02	3.05			Blaine	6	18	N	10	W	I	SW	SW					-98.314793	36.059742
6/27/2002		3.16			Blaine	6	18	N	10	W	I	SW	SW					-98.314793	36.059742
8/15/2002		3.33			Blaine	6	18	N	10	W	I	SW	SW					-98.314793	36.059742
8/27/1997		4.83			Blaine	7	18	N	10	W	I	NE	NW					-98.310388	36.056125
12/7/1998		2.66			Blaine	7	18	N	10	W	I	NE	NW					-98.310388	36.056125
5/20/1999	0.02	12.66			Blaine	7	18	N	10	W	I	NE	NW					-98.310388	36.056125
7/13/1999	0.06	12.3			Blaine	7	18	N	10	W	I	NE	NW					-98.310388	36.056125
3/30/2000		7.99			Blaine	7	18	N	10	W	I	NE	NW					-98.310388	36.056125
7/20/2000	0.06	9.35			Blaine	7	18	N	10	W	I	NE	NW					-98.310388	36.056125

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
4/30/2001		8.35			Blaine	7	18	N	10	W	I	NE	NW					-98.310388	36.056125
8/9/2001		8.9			Blaine	7	18	N	10	W	I	NE	NW					-98.310388	36.056125
12/13/2001		9.26			Blaine	7	18	N	10	W	I	NE	NW					-98.310388	36.056125
3/28/2002	0.027	8.83			Blaine	7	18	N	10	W	I	NE	NW					-98.310388	36.056125
6/27/2002		7.87			Blaine	7	18	N	10	W	I	NE	NW					-98.310388	36.056125
8/15/2002		9.87			Blaine	7	18	N	10	W	I	NE	NW					-98.310388	36.056125
8/28/1997		14.31			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
6/23/1998	0.04	11.09			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
12/7/1998		10.38			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
3/11/1999	0.04	10.54			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
5/20/1999	0.02	10.65			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
7/14/1999	0.06	9.96			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
11/11/1999		9.94			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
3/30/2000		10.21			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
7/20/2000	0.02	9.2			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
4/30/2001		9.73			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
8/9/2001		8.35			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
12/13/2001		7.43			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
4/4/2002	0.085	6.1			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
6/27/2002		8.43			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
8/15/2002		9.91			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
8/28/1997		14.01			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
6/23/1998	0.04	11.73			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
12/7/1998		11.82			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
3/11/1999	0.04	12.01			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
5/20/1999	0.02	13.04			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
7/14/1999	0.06	12.3			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
11/11/1999		9.47			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
3/30/2000		9.85			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
7/20/2000	0.02	9.34			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
4/30/2001		8.83			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
8/9/2001		7.45			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
3/28/2002	0.02	7.74			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
6/27/2002		8.15			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
8/15/2002		8.99			Blaine	28	19	N	10	W	I	NW	SW					-98.279545	36.092311
8/28/1997	0.02	9.16			Blaine	3	18	N	10	W	I	NW	SW	NW				-98.262605	36.067848
6/23/1998	0.02	7.75			Blaine	3	18	N	10	W	I	NW	SW	NW				-98.262605	36.067848
12/7/1998		7.56			Blaine	3	18	N	10	W	I	NW	SW	NW				-98.262605	36.067848
3/11/1999	0.1	8.08			Blaine	3	18	N	10	W	I	NW	SW	NW				-98.262605	36.067848
5/20/1999	0.12	8			Blaine	3	18	N	10	W	I	NW	SW	NW				-98.262605	36.067848
7/14/1999	0.16	6.92			Blaine	3	18	N	10	W	I	NW	SW	NW				-98.262605	36.067848
11/11/1999		7.28			Blaine	3	18	N	10	W	I	NW	SW	NW				-98.262605	36.067848
3/30/2000		7.82			Blaine	3	18	N	10	W	I	NW	SW	NW				-98.262605	36.067848
7/20/2000	0.02	8.26			Blaine	3	18	N	10	W	I	NW	SW	NW				-98.262605	36.067848
4/30/2001		6.9			Blaine	3	18	N	10	W	I	NW	SW	NW				-98.262605	36.067848
8/9/2001		6.31			Blaine	3	18	N	10	W	I	NW	SW	NW				-98.262605	36.067848
12/13/2001		7.06			Blaine	3	18	N	10	W	I	NW	SW	NW				-98.262605	36.067848
3/28/2002	0.02	7.53			Blaine	3	18	N	10	W	I	NW	SW	NW				-98.262605	36.067848
6/27/2002		7.52			Blaine	3	18	N	10	W	I	NW	SW	NW				-98.262605	36.067848
8/15/2002		7.27			Blaine	3	18	N	10	W	I	NW	SW	NW				-98.262605	36.067848
12/12/1996	0.06	6.38			Caddo	16	9	N	12	W	I	NW	NW	SW				-98.481473	35.253799
9/16/1997	0.04	4.97			Caddo	16	9	N	12	W	I	NW	NW	SW				-98.481473	35.253799
6/25/1998	0.04	9.88			Caddo	16	9	N	12	W	I	NW	NW	SW				-98.481473	35.253799
11/30/1998	0.05	12.6			Caddo	16	9	N	12	W	I	NW	NW	SW				-98.481473	35.253799
2/25/1999	0.07	12.87			Caddo	16	9	N	12	W	I	NW	NW	SW				-98.481473	35.253799
5/21/1999	0.02	0			Caddo	16	9	N	12	W	I	NW	NW	SW				-98.481473	35.253799
6/4/1999	0.04	11.63			Caddo	16	9	N	12	W	I	NW	NW	SW				-98.481473	35.253799
7/9/1999	0.06	11.46			Caddo	16	9	N	12	W	I	NW	NW	SW				-98.481473	35.253799
10/28/1999		9.92			Caddo	16	9	N	12	W	I	NW	NW	SW				-98.481473	35.253799
2/2/2000		11.04			Caddo	16	9	N	12	W	I	NW	NW	SW				-98.481473	35.253799
8/2/2000		10.13			Caddo	16	9	N	12	W	I	NW	NW	SW				-98.481473	35.253799
10/19/2000		17.15			Caddo	16	9	N	12	W	I	NW	NW	SW				-98.481473	35.253799

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2/2/2001		10.57			Caddo	16	9	N	12	W	I	NW	NW	SW				-98.481473	35.253799
12/26/2001		20.89			Caddo	16	9	N	12	W	I	NW	NW	SW				-98.481473	35.253799
3/28/2002		10.57			Caddo	16	9	N	12	W	I	NW	NW	SW				-98.481473	35.253799
6/7/2002		7.08			Caddo	16	9	N	12	W	I	NW	NW	SW				-98.481473	35.253799
8/1/2002		11.12			Caddo	16	9	N	12	W	I	NW	NW	SW				-98.481473	35.253799
12/12/1996	0.04	0.48			Caddo	16	9	N	12	W	I	SE	NW	SW				-98.479294	35.251961
9/16/1997	0.02	1.68			Caddo	16	9	N	12	W	I	SE	NW	SW				-98.479294	35.251961
6/25/1998	0.02	0.6			Caddo	16	9	N	12	W	I	SE	NW	SW				-98.479294	35.251961
7/9/1999	0.02	0.67			Caddo	16	9	N	12	W	I	SE	NW	SW				-98.479294	35.251961
10/28/1999		0			Caddo	16	9	N	12	W	I	SE	NW	SW				-98.479294	35.251961
2/2/2000		0			Caddo	16	9	N	12	W	I	SE	NW	SW				-98.479294	35.251961
8/2/2000		1.14			Caddo	16	9	N	12	W	I	SE	NW	SW				-98.479294	35.251961
10/19/2000		10.15			Caddo	16	9	N	12	W	I	SE	NW	SW				-98.479294	35.251961
2/2/2001		0.048			Caddo	16	9	N	12	W	I	SE	NW	SW				-98.479294	35.251961
6/27/2001		0.96			Caddo	16	9	N	12	W	I	SE	NW	SW				-98.479294	35.251961
12/26/2001		26.67			Caddo	16	9	N	12	W	I	SE	NW	SW				-98.479294	35.251961
3/28/2002		0.1			Caddo	16	9	N	12	W	I	SE	NW	SW				-98.479294	35.251961
6/7/2002		0.48			Caddo	16	9	N	12	W	I	SE	NW	SW				-98.479294	35.251961
8/1/2002		0.57			Caddo	16	9	N	12	W	I	SE	NW	SW				-98.479294	35.251961
9/16/1997	0.08	27.37			Caddo	16	9	N	12	W	I	SW	NW	SW				-98.481499	35.25197
6/25/1998	0.08	28.05			Caddo	16	9	N	12	W	I	SW	NW	SW				-98.481499	35.25197
11/30/1998	0.07	33.3			Caddo	16	9	N	12	W	I	SW	NW	SW				-98.481499	35.25197
2/25/1999	0.05	8.33			Caddo	16	9	N	12	W	I	SW	NW	SW				-98.481499	35.25197
5/21/1999	0.04	3.18			Caddo	16	9	N	12	W	I	SW	NW	SW				-98.481499	35.25197
7/9/1999	0.04	3.99			Caddo	16	9	N	12	W	I	SW	NW	SW				-98.481499	35.25197
10/28/1999		11.08			Caddo	16	9	N	12	W	I	SW	NW	SW				-98.481499	35.25197
2/2/2000		11.67			Caddo	16	9	N	12	W	I	SW	NW	SW				-98.481499	35.25197
8/2/2000		9.84			Caddo	16	9	N	12	W	I	SW	NW	SW				-98.481499	35.25197
10/19/2000		17.28			Caddo	16	9	N	12	W	I	SW	NW	SW				-98.481499	35.25197
2/2/2001		15.55			Caddo	16	9	N	12	W	I	SW	NW	SW				-98.481499	35.25197
12/26/2001		26.64			Caddo	16	9	N	12	W	I	SW	NW	SW				-98.481499	35.25197

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3/28/2002		14.03			Caddo	16	9	N	12	W	I	SW	NW	SW				-98.481499	35.25197
6/7/2002		13.96			Caddo	16	9	N	12	W	I	SW	NW	SW				-98.481499	35.25197
8/1/2002		22.37			Caddo	16	9	N	12	W	I	SW	NW	SW				-98.481499	35.25197
9/16/1997	0.09	16.72			Caddo	8	9	N	12	W	I	SE	SE	SE				-98.483561	35.262933
6/25/1998	0.06	13.17			Caddo	8	9	N	12	W	I	SE	SE	SE				-98.483561	35.262933
11/30/1998	0.08	16.5			Caddo	8	9	N	12	W	I	SE	SE	SE				-98.483561	35.262933
2/25/1999	0.08	15.33			Caddo	8	9	N	12	W	I	SE	SE	SE				-98.483561	35.262933
5/21/1999	0.06	15.52			Caddo	8	9	N	12	W	I	SE	SE	SE				-98.483561	35.262933
7/9/1999	0.06	14.93			Caddo	8	9	N	12	W	I	SE	SE	SE				-98.483561	35.262933
10/28/1999		14.92			Caddo	8	9	N	12	W	I	SE	SE	SE				-98.483561	35.262933
2/2/2000		16.1			Caddo	8	9	N	12	W	I	SE	SE	SE				-98.483561	35.262933
8/2/2000		15.14			Caddo	8	9	N	12	W	I	SE	SE	SE				-98.483561	35.262933
10/19/2000		15.53			Caddo	8	9	N	12	W	I	SE	SE	SE				-98.483561	35.262933
2/2/2001		14.5			Caddo	8	9	N	12	W	I	SE	SE	SE				-98.483561	35.262933
6/27/2001		14.74			Caddo	8	9	N	12	W	I	SE	SE	SE				-98.483561	35.262933
12/26/2001		14.07			Caddo	8	9	N	12	W	I	SE	SE	SE				-98.483561	35.262933
3/28/2002		13.88			Caddo	8	9	N	12	W	I	SE	SE	SE				-98.483561	35.262933
6/7/2002		18.39			Caddo	8	9	N	12	W	I	SE	SE	SE				-98.483561	35.262933
8/1/2002		12.92			Caddo	8	9	N	12	W	I	SE	SE	SE				-98.483561	35.262933
8/28/1997	0.03	16.67			Caddo	20	9	N	12	W	I	SW	SW	NE	NE			-98.486487	35.244277
6/25/1998	0.04	6.65			Caddo	20	9	N	12	W	I	SW	SW	NE	NE			-98.486487	35.244277
11/30/1998	0.03	22.5			Caddo	20	9	N	12	W	I	SW	SW	NE	NE			-98.486487	35.244277
2/25/1999	0.03	12.94			Caddo	20	9	N	12	W	I	SW	SW	NE	NE			-98.486487	35.244277
5/21/1999	0.06	23.07			Caddo	20	9	N	12	W	I	SW	SW	NE	NE			-98.486487	35.244277
7/9/1999	0.06	22.9			Caddo	20	9	N	12	W	I	SW	SW	NE	NE			-98.486487	35.244277
10/28/1999		14.65			Caddo	20	9	N	12	W	I	SW	SW	NE	NE			-98.486487	35.244277
2/2/2000		5.77			Caddo	20	9	N	12	W	I	SW	SW	NE	NE			-98.486487	35.244277
8/2/2000		14.23			Caddo	20	9	N	12	W	I	SW	SW	NE	NE			-98.486487	35.244277
10/19/2000		17.64			Caddo	20	9	N	12	W	I	SW	SW	NE	NE			-98.486487	35.244277
2/2/2001		19.28			Caddo	20	9	N	12	W	I	SW	SW	NE	NE			-98.486487	35.244277
6/27/2001		9.27			Caddo	20	9	N	12	W	I	SW	SW	NE	NE			-98.486487	35.244277

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
12/26/2001		11.35			Caddo	20	9	N	12	W	I	SW	SW	NE	NE			-98.486487	35.244277
3/28/2002		6.87			Caddo	20	9	N	12	W	I	SW	SW	NE	NE			-98.486487	35.244277
8/28/1997	0	25.72			Caddo	16	9	N	12	W	I	S	SW	NW				-98.480347	35.255623
6/25/1998	0.04	16.35			Caddo	16	9	N	12	W	I	S	SW	NW				-98.480347	35.255623
11/30/1998	0.02	16.2			Caddo	16	9	N	12	W	I	S	SW	NW				-98.480347	35.255623
2/25/1999	0.03	18.41			Caddo	16	9	N	12	W	I	S	SW	NW				-98.480347	35.255623
5/21/1999	0.04	22.46			Caddo	16	9	N	12	W	I	S	SW	NW				-98.480347	35.255623
7/9/1999	0.04	16.66			Caddo	16	9	N	12	W	I	S	SW	NW				-98.480347	35.255623
10/28/1999		18.02			Caddo	16	9	N	12	W	I	S	SW	NW				-98.480347	35.255623
2/2/2000		22.07			Caddo	16	9	N	12	W	I	S	SW	NW				-98.480347	35.255623
8/2/2000		19.1			Caddo	16	9	N	12	W	I	S	SW	NW				-98.480347	35.255623
10/19/2000		8.5			Caddo	16	9	N	12	W	I	S	SW	NW				-98.480347	35.255623
2/2/2001		16.87			Caddo	16	9	N	12	W	I	S	SW	NW				-98.480347	35.255623
6/27/2001		19.77			Caddo	16	9	N	12	W	I	S	SW	NW				-98.480347	35.255623
12/26/2001		23.77			Caddo	16	9	N	12	W	I	S	SW	NW				-98.480347	35.255623
3/28/2002		29.42			Caddo	16	9	N	12	W	I	S	SW	NW				-98.480347	35.255623
8/28/1997	0.1	52.27			Caddo	17	9	N	12	W	I	SW	SE	SE				-98.485929	35.24833
10/15/1997	0.06	41.4			Caddo	17	9	N	12	W	I	SW	SE	SE				-98.485929	35.24833
6/25/1998	0.06	43.95			Caddo	17	9	N	12	W	I	SW	SE	SE				-98.485929	35.24833
11/30/1998	0.07	29.2			Caddo	17	9	N	12	W	I	SW	SE	SE				-98.485929	35.24833
2/25/1999	0.07	32.32			Caddo	17	9	N	12	W	I	SW	SE	SE				-98.485929	35.24833
5/21/1999	0.06	39.59			Caddo	17	9	N	12	W	I	SW	SE	SE				-98.485929	35.24833
7/9/1999	0.1	26.49			Caddo	17	9	N	12	W	I	SW	SE	SE				-98.485929	35.24833
10/28/1999		25.14			Caddo	17	9	N	12	W	I	SW	SE	SE				-98.485929	35.24833
2/2/2000		30.03			Caddo	17	9	N	12	W	I	SW	SE	SE				-98.485929	35.24833
8/2/2000		26.98			Caddo	17	9	N	12	W	I	SW	SE	SE				-98.485929	35.24833
10/19/2000		42.71			Caddo	17	9	N	12	W	I	SW	SE	SE				-98.485929	35.24833
2/2/2001		20.9			Caddo	17	9	N	12	W	I	SW	SE	SE				-98.485929	35.24833
6/27/2001		29.35			Caddo	17	9	N	12	W	I	SW	SE	SE				-98.485929	35.24833
12/26/2001		33.64			Caddo	17	9	N	12	W	I	SW	SE	SE				-98.485929	35.24833
3/28/2002		28.95			Caddo	17	9	N	12	W	I	SW	SE	SE				-98.485929	35.24833

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6/7/2002		36.375			Caddo	17	9	N	12	W	I	SW	SE	SE				-98.485929	35.24833
8/1/2002		27.84			Caddo	17	9	N	12	W	I	SW	SE	SE				-98.485929	35.24833
8/28/1997	0.02	9.84			Caddo	17	9	N	12	W	I	NE	NE	NE				-98.483574	35.261123
6/25/1998	0.06	8.37			Caddo	17	9	N	12	W	I	NE	NE	NE				-98.483574	35.261123
11/30/1998	0.05	10.2			Caddo	17	9	N	12	W	I	NE	NE	NE				-98.483574	35.261123
2/25/1999	0.07	9.86			Caddo	17	9	N	12	W	I	NE	NE	NE				-98.483574	35.261123
6/4/1999	0.06	12			Caddo	17	9	N	12	W	I	NE	NE	NE				-98.483574	35.261123
10/28/1999		8.76			Caddo	17	9	N	12	W	I	NE	NE	NE				-98.483574	35.261123
8/2/2000		7.41			Caddo	17	9	N	12	W	I	NE	NE	NE				-98.483574	35.261123
10/19/2000		7.43			Caddo	17	9	N	12	W	I	NE	NE	NE				-98.483574	35.261123
2/2/2001		6.37			Caddo	17	9	N	12	W	I	NE	NE	NE				-98.483574	35.261123
6/27/2001		4.83			Caddo	17	9	N	12	W	I	NE	NE	NE				-98.483574	35.261123
12/26/2001		14.23			Caddo	17	9	N	12	W	I	NE	NE	NE				-98.483574	35.261123
3/28/2002		13.95			Caddo	17	9	N	12	W	I	NE	NE	NE				-98.483574	35.261123
6/7/2002		6.91			Caddo	17	9	N	12	W	I	NE	NE	NE				-98.483574	35.261123
8/1/2002		3.7			Caddo	17	9	N	12	W	I	NE	NE	NE				-98.483574	35.261123
9/23/1997	0.15	0			Garvin	18	2	N	3	E	I	SW	SW	SW				-97.036518	34.637947
7/29/1998	0.08	0			Garvin	18	2	N	3	E	I	SW	SW	SW				-97.036518	34.637947
11/16/1998	0.06	0.83			Garvin	18	2	N	3	E	I	SW	SW	SW				-97.036518	34.637947
3/26/1999	0.01	0.9			Garvin	18	2	N	3	E	I	SW	SW	SW				-97.036518	34.637947
6/30/1999	0.06	0			Garvin	18	2	N	3	E	I	SW	SW	SW				-97.036518	34.637947
8/2/1999	0.08	0			Garvin	18	2	N	3	E	I	SW	SW	SW				-97.036518	34.637947
10/5/1999	0	0			Garvin	18	2	N	3	E	I	SW	SW	SW				-97.036518	34.637947
1/24/2000	0	0.77			Garvin	18	2	N	3	E	I	SW	SW	SW				-97.036518	34.637947
4/25/2000	0	0			Garvin	18	2	N	3	E	I	SW	SW	SW				-97.036518	34.637947
7/10/2000	0	0			Garvin	18	2	N	3	E	I	SW	SW	SW				-97.036518	34.637947
10/17/2000	0	0.6			Garvin	18	2	N	3	E	I	SW	SW	SW				-97.036518	34.637947
1/22/2001	0	0.2			Garvin	18	2	N	3	E	I	SW	SW	SW				-97.036518	34.637947
4/16/2001	0	0.2			Garvin	18	2	N	3	E	I	SW	SW	SW				-97.036518	34.637947
8/7/2001	0	0.1			Garvin	18	2	N	3	E	I	SW	SW	SW				-97.036518	34.637947
8/15/2002		0.82			Garvin	18	2	N	3	E	I	SW	SW	SW				-97.036518	34.637947

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9/23/1997	0.15	0			Garvin	18	2	N	3	E	I	NW	NW	SE				-97.027832	34.643275
7/29/1998	0.08	0			Garvin	18	2	N	3	E	I	NW	NW	SE				-97.027832	34.643275
11/16/1998	0.08	0.71			Garvin	18	2	N	3	E	I	NW	NW	SE				-97.027832	34.643275
3/26/1999	0.2	0.73			Garvin	18	2	N	3	E	I	NW	NW	SE				-97.027832	34.643275
6/30/1999	0.06	0			Garvin	18	2	N	3	E	I	NW	NW	SE				-97.027832	34.643275
8/2/1999	0.26	0			Garvin	18	2	N	3	E	I	NW	NW	SE				-97.027832	34.643275
10/5/1999	0	0			Garvin	18	2	N	3	E	I	NW	NW	SE				-97.027832	34.643275
1/24/2000	0	0.65			Garvin	18	2	N	3	E	I	NW	NW	SE				-97.027832	34.643275
4/25/2000	0	0			Garvin	18	2	N	3	E	I	NW	NW	SE				-97.027832	34.643275
7/10/2000	0	0			Garvin	18	2	N	3	E	I	NW	NW	SE				-97.027832	34.643275
10/17/2000	0	0.4			Garvin	18	2	N	3	E	I	NW	NW	SE				-97.027832	34.643275
1/22/2001	0	0.2			Garvin	18	2	N	3	E	I	NW	NW	SE				-97.027832	34.643275
4/16/2001	0	0.2			Garvin	18	2	N	3	E	I	NW	NW	SE				-97.027832	34.643275
8/7/2001	0	0.1			Garvin	18	2	N	3	E	I	NW	NW	SE				-97.027832	34.643275
8/15/2002		0.82			Garvin	18	2	N	3	E	I	NW	NW	SE				-97.027832	34.643275
9/27/1997	0.85	0			Garvin	18	2	N	3	E	I	W	NE	NE				-97.023494	34.64958
7/29/1998	1.18				Garvin	18	2	N	3	E	I	W	NE	NE				-97.023494	34.64958
9/23/1997	0.11	0			Garvin	17	2	N	3	E	I	SW	SW	SW				-97.019121	34.637797
7/29/1998	0.1	0.2			Garvin	17	2	N	3	E	I	SW	SW	SW				-97.019121	34.637797
11/16/1998	0.16	0			Garvin	17	2	N	3	E	I	SW	SW	SW				-97.019121	34.637797
3/26/1999	0.1	0			Garvin	17	2	N	3	E	I	SW	SW	SW				-97.019121	34.637797
6/30/1999	0.45	0		Sample related to complaint	Garvin	17	2	N	3	E	I	SW	SW	SW				-97.019121	34.637797
7/12/1999	0.28	0		Sample related to complaint	Garvin	17	2	N	3	E	I	SW	SW	SW				-97.019121	34.637797
8/2/1999	0	0			Garvin	17	2	N	3	E	I	SW	SW	SW				-97.019121	34.637797
10/5/1999	0.28	0			Garvin	17	2	N	3	E	I	SW	SW	SW				-97.019121	34.637797
1/24/2000	0	0			Garvin	17	2	N	3	E	I	SW	SW	SW				-97.019121	34.637797
4/25/2000	0	0			Garvin	17	2	N	3	E	I	SW	SW	SW				-97.019121	34.637797
7/10/2000	0	0			Garvin	17	2	N	3	E	I	SW	SW	SW				-97.019121	34.637797
10/17/2000	0	0			Garvin	17	2	N	3	E	I	SW	SW	SW				-97.019121	34.637797

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1/22/2001	0	0.2			Garvin	17	2	N	3	E	I	SW	SW	SW				-97.019121	34.637797
4/16/2001	0	0.2			Garvin	17	2	N	3	E	I	SW	SW	SW				-97.019121	34.637797
8/7/2001	0	0.14			Garvin	17	2	N	3	E	I	SW	SW	SW				-97.019121	34.637797
8/15/2002		0.92			Garvin	17	2	N	3	E	I	SW	SW	SW				-97.019121	34.637797
9/23/1997	0	0.08			Garvin	17	2	N	3	E	I	SW	SW					-97.018018	34.638696
7/29/1998	0.05	27.2			Garvin	17	2	N	3	E	I	SW	SW					-97.018018	34.638696
11/16/1998	0.04	23.88			Garvin	17	2	N	3	E	I	SW	SW					-97.018018	34.638696
3/26/1999	0.01	2.52		Inspector noticed animal hair in the sample collected	Garvin	17	2	N	3	E	I	SW	SW					-97.018018	34.638696
10/5/1999	0	7.2			Garvin	17	2	N	3	E	I	SW	SW					-97.018018	34.638696
10/5/1999	10.51	0			Garvin	17	2	N	3	E	I	SW	SW					-97.018018	34.638696
1/24/2000	0	10.87			Garvin	17	2	N	3	E	I	SW	SW					-97.018018	34.638696
4/25/2000	0	8.66			Garvin	17	2	N	3	E	I	SW	SW					-97.018018	34.638696
7/10/2000	0	0			Garvin	17	2	N	3	E	I	SW	SW					-97.018018	34.638696
10/17/2000	0	0.27			Garvin	17	2	N	3	E	I	SW	SW					-97.018018	34.638696
1/22/2001	0	3.35			Garvin	17	2	N	3	E	I	SW	SW					-97.018018	34.638696
4/16/2001	0	1.63			Garvin	17	2	N	3	E	I	SW	SW					-97.018018	34.638696
8/7/2001				No Sample taken due to low water table	Garvin	17	2	N	3	E	I	SW	SW					-97.018018	34.638696
8/15/2002		1.86			Garvin	17	2	N	3	E	I	SW	SW					-97.018018	34.638696
12/18/1991	0.58	15.2			Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157
1/15/1992		26.02			Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157
2/18/1992		18.5			Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157
3/19/1992	0.06	15.8			Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157
4/20/1992	0.09	24.89			Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157
5/19/1992	0.08	13.2			Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157
8/12/1997	0.09	17.81			Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157
6/24/1998	0.08	18.39			Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157
12/4/1998	0.17	18.51			Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157
3/30/1999	0.08	21.26			Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157

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5/24/1999	0.06	19.34			Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157
7/8/1999	0.1	18.39			Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157
3/28/2000		22.33		CANCELED 4/5/02	Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157
8/15/2002		30.03			Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157
6/24/1998	0.13	18.71			Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157
12/4/1998	0.13	19.02			Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157
3/30/1999	0.06	21.19			Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157
5/24/1999	0.06	19.66			Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157
7/8/1999	0.1	18.52			Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157
11/11/1999		22.82			Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157
7/11/2000	0.06	19.28			Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157
11/14/2000		25.06			Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157
4/12/2001		28.03			Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157
7/31/2001		30.56		CANCELLED 04/05/02	Garfield	15	22	N	8	W	I	SE	SE	SE				-98.034331	36.377157
4/20/1992	0.14	4.84			Garfield	14	22	N	8	W	I	NW	NE	NW				-98.027658	36.389953
5/19/1992	0.22	4.1			Garfield	14	22	N	8	W	I	NW	NE	NW				-98.027658	36.389953
8/12/1997	0.4	5.61			Garfield	14	22	N	8	W	I	NW	NE	NW				-98.027658	36.389953
6/24/1998	0.04	3.51			Garfield	14	22	N	8	W	I	NW	NE	NW				-98.027658	36.389953
12/29/1998	0.04	2.34			Garfield	14	22	N	8	W	I	NW	NE	NW				-98.027658	36.389953
3/30/1999	0.06	2.86			Garfield	14	22	N	8	W	I	NW	NE	NW				-98.027658	36.389953
11/11/1999		5.47			Garfield	14	22	N	8	W	I	NW	NE	NW				-98.027658	36.389953
3/28/2000		3.57			Garfield	14	22	N	8	W	I	NW	NE	NW				-98.027658	36.389953
7/11/2000	0.02	7.48			Garfield	14	22	N	8	W	I	NW	NE	NW				-98.027658	36.389953
11/14/2000		4.87			Garfield	14	22	N	8	W	I	NW	NE	NW				-98.027658	36.389953
4/12/2001		3.05			Garfield	14	22	N	8	W	I	NW	NE	NW				-98.027658	36.389953
7/31/2001		5.83			Garfield	14	22	N	8	W	I	NW	NE	NW				-98.027658	36.389953
12/13/2001		5.97			Garfield	14	22	N	8	W	I	NW	NE	NW				-98.027658	36.389953
3/28/2002	0.05	4.97			Garfield	14	22	N	8	W	I	NW	NE	NW				-98.027658	36.389953
6/25/2002		2.11			Garfield	14	22	N	8	W	I	NW	NE	NW				-98.027658	36.389953
8/15/2002		3.25			Garfield	14	22	N	8	W	I	NW	NE	NW				-98.027658	36.389953

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
12/18/1991	0.22	101			Garfield	23	23	N	8	W	I	W	SE	SW	SE			-98.02112	36.449649
1/28/1992		49			Garfield	23	23	N	8	W	I	W	SE	SW	SE			-98.02112	36.449649
2/18/1992		20.73			Garfield	23	23	N	8	W	I	W	SE	SW	SE			-98.02112	36.449649
3/19/1992	0.1	21.9			Garfield	23	23	N	8	W	I	W	SE	SW	SE			-98.02112	36.449649
4/20/1992	0.07	18.74			Garfield	23	23	N	8	W	I	W	SE	SW	SE			-98.02112	36.449649
5/19/1992	0.14	15.2			Garfield	23	23	N	8	W	I	W	SE	SW	SE			-98.02112	36.449649
8/12/1997	0.04	13.2			Garfield	23	23	N	8	W	I	W	SE	SW	SE			-98.02112	36.449649
6/24/1998	0.03	14.14			Garfield	23	23	N	8	W	I	W	SE	SW	SE			-98.02112	36.449649
12/29/1998	0.04	17.93			Garfield	23	23	N	8	W	I	W	SE	SW	SE			-98.02112	36.449649
3/30/1999	0.06	14.04			Garfield	23	23	N	8	W	I	W	SE	SW	SE			-98.02112	36.449649
5/27/1999	0.04	13.33			Garfield	23	23	N	8	W	I	W	SE	SW	SE			-98.02112	36.449649
7/8/1999	0.06	14.09			Garfield	23	23	N	8	W	I	W	SE	SW	SE			-98.02112	36.449649
11/11/1999		16.14			Garfield	23	23	N	8	W	I	W	SE	SW	SE			-98.02112	36.449649
3/28/2000		16.03			Garfield	23	23	N	8	W	I	W	SE	SW	SE			-98.02112	36.449649
7/11/2000	0.04	16.43			Garfield	23	23	N	8	W	I	W	SE	SW	SE			-98.02112	36.449649
11/14/2000		17.13			Garfield	23	23	N	8	W	I	W	SE	SW	SE			-98.02112	36.449649
4/12/2001		16.79			Garfield	23	23	N	8	W	I	W	SE	SW	SE			-98.02112	36.449649
7/31/2001		21.93			Garfield	23	23	N	8	W	I	W	SE	SW	SE			-98.02112	36.449649
12/13/2001		18.51			Garfield	23	23	N	8	W	I	W	SE	SW	SE			-98.02112	36.449649
3/28/2002	0.029	17.09			Garfield	23	23	N	8	W	I	W	SE	SW	SE			-98.02112	36.449649
6/25/2002		16.76			Garfield	23	23	N	8	W	I	W	SE	SW	SE			-98.02112	36.449649
8/15/2002		17.83			Garfield	23	23	N	8	W	I	W	SE	SW	SE			-98.02112	36.449649
6/24/1998	0.04	13.5			Garfield	23	23	N	8	W	I	E	SE	SW	SE			-98.020001	36.449648
12/29/1998	0.03	14.5			Garfield	23	23	N	8	W	I	E	SE	SW	SE			-98.020001	36.449648
3/30/1999	0.06	17.31			Garfield	23	23	N	8	W	I	E	SE	SW	SE			-98.020001	36.449648
5/27/1999	0.1	16.53			Garfield	23	23	N	8	W	I	E	SE	SW	SE			-98.020001	36.449648
7/8/1999	0.06	16.18			Garfield	23	23	N	8	W	I	E	SE	SW	SE			-98.020001	36.449648
11/11/1999		14.84			Garfield	23	23	N	8	W	I	E	SE	SW	SE			-98.020001	36.449648
3/28/2000		14.35			Garfield	23	23	N	8	W	I	E	SE	SW	SE			-98.020001	36.449648
7/11/2000	0.04	14.04			Garfield	23	23	N	8	W	I	E	SE	SW	SE			-98.020001	36.449648
11/14/2000		13.68			Garfield	23	23	N	8	W	I	E	SE	SW	SE			-98.020001	36.449648

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
4/12/2001		16.96			Garfield	23	23	N	8	W	I	E	SE	SW	SE			-98.020001	36.449648
7/31/2001		19.02			Garfield	23	23	N	8	W	I	E	SE	SW	SE			-98.020001	36.449648
12/13/2001		18.7			Garfield	23	23	N	8	W	I	E	SE	SW	SE			-98.020001	36.449648
3/28/2002	0.063	17.05			Garfield	23	23	N	8	W	I	E	SE	SW	SE			-98.020001	36.449648
6/25/2002		17.05			Garfield	23	23	N	8	W	I	E	SE	SW	SE			-98.020001	36.449648
8/15/2002		17.73			Garfield	23	23	N	8	W	I	E	SE	SW	SE			-98.020001	36.449648
12/18/1991	0.04	20.1			Garfield	10	22	N	8	W	I	SE	SW	SE				-98.03886	36.391729
1/28/1992		21.63			Garfield	10	22	N	8	W	I	SE	SW	SE				-98.03886	36.391729
2/18/1992		25.11			Garfield	10	22	N	8	W	I	SE	SW	SE				-98.03886	36.391729
3/19/1992	0.04	24.5			Garfield	10	22	N	8	W	I	SE	SW	SE				-98.03886	36.391729
4/20/1992	0.06	14.24			Garfield	10	22	N	8	W	I	SE	SW	SE				-98.03886	36.391729
5/19/1992	0.14	24.7			Garfield	10	22	N	8	W	I	SE	SW	SE				-98.03886	36.391729
8/12/1997	0.04	30.7			Garfield	10	22	N	8	W	I	SE	SW	SE				-98.03886	36.391729
10/15/1997	0.02	14			Garfield	10	22	N	8	W	I	SE	SW	SE				-98.03886	36.391729
6/24/1998	0.07	25.34			Garfield	10	22	N	8	W	I	SE	SW	SE				-98.03886	36.391729
12/29/1998	0.04	29.64			Garfield	10	22	N	8	W	I	SE	SW	SE				-98.03886	36.391729
3/30/1999	0.04	32.44			Garfield	10	22	N	8	W	I	SE	SW	SE				-98.03886	36.391729
5/24/1999	0.04	30.17			Garfield	10	22	N	8	W	I	SE	SW	SE				-98.03886	36.391729
7/14/1999	0.06	42.79			Garfield	10	22	N	8	W	I	SE	SW	SE				-98.03886	36.391729
11/11/1999		32.33			Garfield	10	22	N	8	W	I	SE	SW	SE				-98.03886	36.391729
3/28/2000		32.32			Garfield	10	22	N	8	W	I	SE	SW	SE				-98.03886	36.391729
7/11/2000	0.02	43.78			Garfield	10	22	N	8	W	I	SE	SW	SE				-98.03886	36.391729
11/14/2000		45.91			Garfield	10	22	N	8	W	I	SE	SW	SE				-98.03886	36.391729
4/12/2001		71.48			Garfield	10	22	N	8	W	I	SE	SW	SE				-98.03886	36.391729
7/31/2001		58.98			Garfield	10	22	N	8	W	I	SE	SW	SE				-98.03886	36.391729
12/13/2001		34.85			Garfield	10	22	N	8	W	I	SE	SW	SE				-98.03886	36.391729
12/18/1991	0.06	109.3			Garfield	14	22	N	8	W	I	SW	SW	SE				-98.023117	36.377195
1/15/1992		116.2			Garfield	14	22	N	8	W	I	SW	SW	SE				-98.023117	36.377195
2/18/1992		95.9			Garfield	14	22	N	8	W	I	SW	SW	SE				-98.023117	36.377195
3/19/1992	0.08	90.3			Garfield	14	22	N	8	W	I	SW	SW	SE				-98.023117	36.377195
4/20/1992	0.08	92.25			Garfield	14	22	N	8	W	I	SW	SW	SE				-98.023117	36.377195

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5/19/1992	0.1	70.8			Garfield	14	22	N	8	W	I	SW	SW	SE				-98.023117	36.377195
8/12/1997	0.02	86			Garfield	14	22	N	8	W	I	SW	SW	SE				-98.023117	36.377195
10/15/1997	0.04	78.1			Garfield	14	22	N	8	W	I	SW	SW	SE				-98.023117	36.377195
6/24/1998	0.06	84.93			Garfield	14	22	N	8	W	I	SW	SW	SE				-98.023117	36.377195
12/29/1998	0.03	75.48			Garfield	14	22	N	8	W	I	SW	SW	SE				-98.023117	36.377195
3/30/1999	0.04	73.34			Garfield	14	22	N	8	W	I	SW	SW	SE				-98.023117	36.377195
5/27/1999	0.06	68.89			Garfield	14	22	N	8	W	I	SW	SW	SE				-98.023117	36.377195
7/8/1999	0.04	70.35			Garfield	14	22	N	8	W	I	SW	SW	SE				-98.023117	36.377195
12/1/1999		46.7			Garfield	14	22	N	8	W	I	SW	SW	SE				-98.023117	36.377195
3/28/2000		35.6			Garfield	14	22	N	8	W	I	SW	SW	SE				-98.023117	36.377195
7/11/2000	0.02	58.53			Garfield	14	22	N	8	W	I	SW	SW	SE				-98.023117	36.377195
11/14/2000		56.4			Garfield	14	22	N	8	W	I	SW	SW	SE				-98.023117	36.377195
4/12/2001		65.38			Garfield	14	22	N	8	W	I	SW	SW	SE				-98.023117	36.377195
12/18/1991	0.26	20.9			Garfield	3	22	N	8	W	I	SE	SE	SE				-98.034269	36.406118
1/15/1992		19.9			Garfield	3	22	N	8	W	I	SE	SE	SE				-98.034269	36.406118
2/18/1992		20.77			Garfield	3	22	N	8	W	I	SE	SE	SE				-98.034269	36.406118
3/19/1992	0.06	19.23			Garfield	3	22	N	8	W	I	SE	SE	SE				-98.034269	36.406118
4/20/1992	0.02	21.93			Garfield	3	22	N	8	W	I	SE	SE	SE				-98.034269	36.406118
5/19/1992	0.04	20.7			Garfield	3	22	N	8	W	I	SE	SE	SE				-98.034269	36.406118
8/12/1997	0.12	25.1			Garfield	3	22	N	8	W	I	SE	SE	SE				-98.034269	36.406118
10/15/1997	0.08	19.2			Garfield	3	22	N	8	W	I	SE	SE	SE				-98.034269	36.406118
6/24/1998	0.06	23.13			Garfield	3	22	N	8	W	I	SE	SE	SE				-98.034269	36.406118
12/4/1998	0.06	20.4			Garfield	3	22	N	8	W	I	SE	SE	SE				-98.034269	36.406118
3/30/1999	0.02	22.79			Garfield	3	22	N	8	W	I	SE	SE	SE				-98.034269	36.406118
6/29/1999	0.06	20.1			Garfield	3	22	N	8	W	I	SE	SE	SE				-98.034269	36.406118
7/27/1999	0.04	22.25			Garfield	3	22	N	8	W	I	SE	SE	SE				-98.034269	36.406118
11/11/1999		21.47			Garfield	3	22	N	8	W	I	SE	SE	SE				-98.034269	36.406118
3/28/2000		21.64			Garfield	3	22	N	8	W	I	SE	SE	SE				-98.034269	36.406118
12/13/2001		22.42			Garfield	3	22	N	8	W	I	SE	SE	SE				-98.034269	36.406118
3/28/2002	0.02	21.38			Garfield	3	22	N	8	W	I	SE	SE	SE				-98.034269	36.406118
6/21/2002		22.48			Garfield	3	22	N	8	W	I	SE	SE	SE				-98.034269	36.406118

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8/15/2002		23.44			Garfield	3	22	N	8	W	I	SE	SE	SE				-98.034269	36.406118
10/18/1994	0.22	2.019			Hughes	35	7	N	9	E	I	NW	NW	NW				-96.334548	35.042349
11/29/1994	0.04	2.29			Hughes	35	7	N	9	E	I	NW	NW	NW				-96.334548	35.042349
1/10/1995	0.02	2.28			Hughes	35	7	N	9	E	I	NW	NW	NW				-96.334548	35.042349
8/20/1997	0	0.39			Hughes	35	7	N	9	E	I	NW	NW	NW				-96.334548	35.042349
7/13/1998	0	0.43			Hughes	35	7	N	9	E	I	NW	NW	NW				-96.334548	35.042349
11/6/1998	0	0.36			Hughes	35	7	N	9	E	I	NW	NW	NW				-96.334548	35.042349
3/31/1999	0.02	0.81			Hughes	35	7	N	9	E	I	NW	NW	NW				-96.334548	35.042349
6/8/1999	0.02	0.75			Hughes	35	7	N	9	E	I	NW	NW	NW				-96.334548	35.042349
7/19/1999	0.02	1.04			Hughes	35	7	N	9	E	I	NW	NW	NW				-96.334548	35.042349
11/12/1999		1.15			Hughes	35	7	N	9	E	I	NW	NW	NW				-96.334548	35.042349
2/10/2000		1.31			Hughes	35	7	N	9	E	I	NW	NW	NW				-96.334548	35.042349
2/25/2000		1.11			Hughes	35	7	N	9	E	I	NW	NW	NW				-96.334548	35.042349
9/8/2000	0	0.96			Hughes	35	7	N	9	E	I	NW	NW	NW				-96.334548	35.042349
3/8/2001		0.5			Hughes	35	7	N	9	E	I	NW	NW	NW				-96.334548	35.042349
6/14/2001		1.3			Hughes	35	7	N	9	E	I	NW	NW	NW				-96.334548	35.042349
9/6/2001		1.65			Hughes	35	7	N	9	E	I	NW	NW	NW				-96.334548	35.042349
12/7/2001		1.75			Hughes	35	7	N	9	E	I	NW	NW	NW				-96.334548	35.042349
2/28/2002		1.21			Hughes	35	7	N	9	E	I	NW	NW	NW				-96.334548	35.042349
5/30/2002		1.82			Hughes	35	7	N	9	E	I	NW	NW	NW				-96.334548	35.042349
9/5/2002		1.1			Hughes	35	7	N	9	E	I	NW	NW	NW				-96.334548	35.042349
12/12/2002		1.26			Hughes	35	7	N	9	E	I	NW	NW	NW				-96.334548	35.042349
10/18/1994	0.04	0			Hughes	35	7	N	9	E	I	NE	SW					-96.329073	35.034196
11/29/1994	0.22	0			Hughes	35	7	N	9	E	I	NE	SW					-96.329073	35.034196
1/10/1995	0.02	0			Hughes	35	7	N	9	E	I	NE	SW					-96.329073	35.034196
7/27/1998	0.02	0			Hughes	35	7	N	9	E	I	NE	SW					-96.329073	35.034196
1/22/1999	0.03	0			Hughes	35	7	N	9	E	I	NE	SW					-96.329073	35.034196
5/13/1999	0.04	0			Hughes	35	7	N	9	E	I	NE	SW					-96.329073	35.034196
6/28/1999	0.04	0			Hughes	35	7	N	9	E	I	NE	SW					-96.329073	35.034196
7/29/1999	0.08	0			Hughes	35	7	N	9	E	I	NE	SW					-96.329073	35.034196
11/12/1999		0			Hughes	35	7	N	9	E	I	NE	SW					-96.329073	35.034196

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2/10/2000		0			Hughes	35	7	N	9	E	I	NE	SW					-96.329073	35.034196
5/25/2000		0			Hughes	35	7	N	9	E	I	NE	SW					-96.329073	35.034196
5/1/1992		9.55			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
6/1/1992	0.16	5.7			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
7/1/1992		5.27			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
7/30/1992		5.75			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
9/13/1993	0.05	6.2			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
10/12/1993	0.08	6.1			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
11/16/1993	0.14	5.8			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
12/14/1993	0.07	5.95			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
1/10/1994	0.07	6.31			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
11/3/1994	0.04	8.01			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
5/23/1995	0.08	8.69			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
9/8/1995	0.12	7.57			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
7/8/1996	0.06	7.88			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
8/11/1997	0.05	11			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
6/16/1998	0.08	10.74			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
12/7/1998	0.07	11.08			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
4/1/1999	0.08	9.84			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
5/24/1999	0.1	11.5			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
3/28/2000		12.17			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
7/20/2000	0.1	12.39			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
6/15/2001	0.06	10.9			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
8/2/2001		10.94			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
12/20/2001		12.47			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
8/15/2002		14.83			Kingfisher	3	19	N	8	W	I	SE	SE	SW				-98.043015	36.14609
5/1/1992	9.55				Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
2/15/1994	11.83	0.09			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
2/16/1994	12.36	0.08			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
11/3/1994	12.87	0.07			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
3/8/1995	11.16	0.06			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627

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5/23/1995	11.88	0.14			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
9/3/1996	11.94	0.08			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
6/16/1998	13.11	0.3			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
12/7/1998	13.65	0.06			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
4/1/1999	11.39	0.16			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
5/24/1999	12.86	0.1			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
3/28/2000	11.81				Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
7/20/2000	11.69	0.1			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
6/15/2001	12.9	0.11			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
8/2/2001	11.77				Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
12/20/2001		11.24			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
8/15/2002		12.8			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
12/6/1994	0.04	11.17			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
3/8/1995	0.1	11.16			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
8/31/1995	0.12	11.98			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
7/8/1996	0.07	10.91			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
8/11/1997	0.1	17.51			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
10/15/1997	0.08	15			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
6/16/1998	0.14	16.82			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
12/7/1998	0.08	16.28			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
4/1/1999	0.2	14.25			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
7/20/2000	0.1	10.35			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
6/15/2001	0.08	12.9			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
12/20/2001		9.63			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
8/15/2002		12.71			Kingfisher	3	19	N	8	W	I	SE	NE	SW				-98.04303	36.149627
11/29/1994	0.02	0			Hughes	18	6	N	9	E	I	NE	NE	SE				-96.389468	34.991497
1/10/1995	0.02	0			Hughes	18	6	N	9	E	I	NE	NE	SE				-96.389468	34.991497
8/20/1997	0	0			Hughes	18	6	N	9	E	I	NE	NE	SE				-96.389468	34.991497
7/14/1998	0.02	0			Hughes	18	6	N	9	E	I	NE	NE	SE				-96.389468	34.991497
1/20/1999	0.08	0			Hughes	18	6	N	9	E	I	NE	NE	SE				-96.389468	34.991497
4/28/1999	0.02	0			Hughes	18	6	N	9	E	I	NE	NE	SE				-96.389468	34.991497

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
6/28/1999	0.02	0			Hughes	18	6	N	9	E	I	NE	NE	SE				-96.389468	34.991497
7/29/1999	0.02	0			Hughes	18	6	N	9	E	I	NE	NE	SE				-96.389468	34.991497
11/12/1999		0			Hughes	18	6	N	9	E	I	NE	NE	SE				-96.389468	34.991497
2/10/2000		0			Hughes	18	6	N	9	E	I	NE	NE	SE				-96.389468	34.991497
5/25/2000		0			Hughes	18	6	N	9	E	I	NE	NE	SE				-96.389468	34.991497
9/8/2000	0	0			Hughes	18	6	N	9	E	I	NE	NE	SE				-96.389468	34.991497
3/8/2001		0.2			Hughes	18	6	N	9	E	I	NE	NE	SE				-96.389468	34.991497
6/14/2001		0.2			Hughes	18	6	N	9	E	I	NE	NE	SE				-96.389468	34.991497
9/6/2001		0.45			Hughes	18	6	N	9	E	I	NE	NE	SE				-96.389468	34.991497
12/7/2001		0.45			Hughes	18	6	N	9	E	I	NE	NE	SE				-96.389468	34.991497
2/28/2002		0.1			Hughes	18	6	N	9	E	I	NE	NE	SE				-96.389468	34.991497
5/30/2002		0.1			Hughes	18	6	N	9	E	I	NE	NE	SE				-96.389468	34.991497
9/5/2002		0.1			Hughes	18	6	N	9	E	I	NE	NE	SE				-96.389468	34.991497
12/12/2002		0.51			Hughes	18	6	N	9	E	I	NE	NE	SE				-96.389468	34.991497
6/2/1993	0.02	2.87			Hughes	24	8	N	9	E	I	NE	SE	NE				-96.301445	35.154836
7/7/1993	0.02	2.9			Hughes	24	8	N	9	E	I	NE	SE	NE				-96.301445	35.154836
8/10/1993	0.04				Hughes	24	8	N	9	E	I	NE	SE	NE				-96.301445	35.154836
7/13/1998	0.02	3.11			Hughes	24	8	N	9	E	I	NE	SE	NE				-96.301445	35.154836
1/27/1999	0.02	3.48			Hughes	24	8	N	9	E	I	NE	SE	NE				-96.301445	35.154836
4/15/1999	0.04	3.61			Hughes	24	8	N	9	E	I	NE	SE	NE				-96.301445	35.154836
6/10/1999	0.02	3.57			Hughes	24	8	N	9	E	I	NE	SE	NE				-96.301445	35.154836
7/21/1999	0.04	3.53			Hughes	24	8	N	9	E	I	NE	SE	NE				-96.301445	35.154836
11/12/1999		3.14			Hughes	24	8	N	9	E	I	NE	SE	NE				-96.301445	35.154836
2/10/2000		3.61			Hughes	24	8	N	9	E	I	NE	SE	NE				-96.301445	35.154836
5/25/2000		3.61			Hughes	24	8	N	9	E	I	NE	SE	NE				-96.301445	35.154836
9/8/2000	0	3.54			Hughes	24	8	N	9	E	I	NE	SE	NE				-96.301445	35.154836
3/8/2001		3.5			Hughes	24	8	N	9	E	I	NE	SE	NE				-96.301445	35.154836
6/21/2001		3.25			Hughes	24	8	N	9	E	I	NE	SE	NE				-96.301445	35.154836
9/6/2001		3.01			Hughes	24	8	N	9	E	I	NE	SE	NE				-96.301445	35.154836
12/7/2001		3.17			Hughes	24	8	N	9	E	I	NE	SE	NE				-96.301445	35.154836
2/28/2002		3.31			Hughes	24	8	N	9	E	I	NE	SE	NE				-96.301445	35.154836

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5/30/2002		3.15			Hughes	24	8	N	9	E	I	NE	SE	NE				-96.301445	35.154836
9/5/2002		3.03			Hughes	24	8	N	9	E	I	NE	SE	NE				-96.301445	35.154836
12/12/2002		3.17			Hughes	24	8	N	9	E	I	NE	SE	NE				-96.301445	35.154836
7/12/1993	0.04	25.53			Hughes	15	8	N	11	E	I	SW	SE	SE				-96.127293	35.160322
8/3/1993	0.06	0.92			Hughes	15	8	N	11	E	I	SW	SE	SE				-96.127293	35.160322
9/8/1993	0	1.01			Hughes	15	8	N	11	E	I	SW	SE	SE				-96.127293	35.160322
8/19/1997	0	0			Hughes	15	8	N	11	E	I	SW	SE	SE				-96.127293	35.160322
7/13/1998	0	0			Hughes	15	8	N	11	E	I	SW	SE	SE				-96.127293	35.160322
12/4/1998	0	0			Hughes	15	8	N	11	E	I	SW	SE	SE				-96.127293	35.160322
4/15/1999	0.12	0.22			Hughes	15	8	N	11	E	I	SW	SE	SE				-96.127293	35.160322
6/8/1999	0.06	0			Hughes	15	8	N	11	E	I	SW	SE	SE				-96.127293	35.160322
7/21/1999	0.02	0			Hughes	15	8	N	11	E	I	SW	SE	SE				-96.127293	35.160322
11/12/1999		0			Hughes	15	8	N	11	E	I	SW	SE	SE				-96.127293	35.160322
2/10/2000		0			Hughes	15	8	N	11	E	I	SW	SE	SE				-96.127293	35.160322
5/25/2000		0			Hughes	15	8	N	11	E	I	SW	SE	SE				-96.127293	35.160322
9/8/2000	0	0			Hughes	15	8	N	11	E	I	SW	SE	SE				-96.127293	35.160322
3/8/2001	0.2				Hughes	15	8	N	11	E	I	SW	SE	SE				-96.127293	35.160322
7/13/1993	0.25	0.84			Hughes	13	8	N	11	E	I	SW	SE	SE				-96.091912	35.160421
6/16/1999	0.6	1.35			Hughes	13	8	N	11	E	I	SW	SE	SE				-96.091912	35.160421
7/21/1999	0.2	0.58			Hughes	13	8	N	11	E	I	SW	SE	SE				-96.091912	35.160421
7/12/1993	0.02	0.79			Okfuskee	5	10	N	10	E	I	NW						-96.277786	35.373493
8/3/1993	0.04	37.47			Okfuskee	5	10	N	10	E	I	NW						-96.277786	35.373493
9/8/1993	0	10.6			Okfuskee	5	10	N	10	E	I	NW						-96.277786	35.373493
7/9/1998	0.02	0.24			Okfuskee	5	10	N	10	E	I	NW						-96.277786	35.373493
8/18/1997	0.04	1.27			Okfuskee	4	10	N	10	E	I	NW						-96.26013	35.373471
2/17/1998		0.45			Okfuskee	4	10	N	10	E	I	NW						-96.26013	35.373471
7/9/1998	0.04	1.45			Okfuskee	4	10	N	10	E	I	NW						-96.26013	35.373471
12/1/1998	0	1.36			Okfuskee	4	10	N	10	E	I	NW						-96.26013	35.373471
3/29/1999	0.04	0			Okfuskee	4	10	N	10	E	I	NW						-96.26013	35.373471
6/28/1999	0.06	1.52			Okfuskee	4	10	N	10	E	I	NW						-96.26013	35.373471
7/26/1999	0.06	1.52			Okfuskee	4	10	N	10	E	I	NW						-96.26013	35.373471

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12/22/1999		1.29			Okfuskee	4	10	N	10	E	I	NW						-96.26013	35.373471
2/14/2000		1.32			Okfuskee	4	10	N	10	E	I	NW						-96.26013	35.373471
5/24/2000		1.8			Okfuskee	4	10	N	10	E	I	NW						-96.26013	35.373471
7/31/2000		1.32			Okfuskee	4	10	N	10	E	I	NW						-96.26013	35.373471
9/12/1995	0.08				Pottawatomie	17	8	N	3	E	I	SE	SE	SE				-97.0031	35.160511
10/10/1995	0.04	1.77			Pottawatomie	17	8	N	3	E	I	SE	SE	SE				-97.0031	35.160511
11/7/1995	0.06	1.74			Pottawatomie	17	8	N	3	E	I	SE	SE	SE				-97.0031	35.160511
12/5/1995	0.04	1.65			Pottawatomie	17	8	N	3	E	I	SE	SE	SE				-97.0031	35.160511
8/14/1997	0.06	1.46			Pottawatomie	17	8	N	3	E	I	SE	SE	SE				-97.0031	35.160511
6/30/1998	0.02	1.42			Pottawatomie	17	8	N	3	E	I	SE	SE	SE				-97.0031	35.160511
11/3/1998	0.03	1.54			Pottawatomie	17	8	N	3	E	I	SE	SE	SE				-97.0031	35.160511
4/28/1999	0.08	1.68			Pottawatomie	17	8	N	3	E	I	SE	SE	SE				-97.0031	35.160511
6/14/1999	0.02	1.73			Pottawatomie	17	8	N	3	E	I	SE	SE	SE				-97.0031	35.160511
7/26/1999	0.04	1.81			Pottawatomie	17	8	N	3	E	I	SE	SE	SE				-97.0031	35.160511
10/20/1999		1.75			Pottawatomie	17	8	N	3	E	I	SE	SE	SE				-97.0031	35.160511
2/29/2000		1.77			Pottawatomie	17	8	N	3	E	I	SE	SE	SE				-97.0031	35.160511
6/20/2000		2.01			Pottawatomie	17	8	N	3	E	I	SE	SE	SE				-97.0031	35.160511
11/14/2000		2.24			Pottawatomie	17	8	N	3	E	I	SE	SE	SE				-97.0031	35.160511
2/27/2001		2.8			Pottawatomie	17	8	N	3	E	I	SE	SE	SE				-97.0031	35.160511
12/19/2001		2.35			Pottawatomie	17	8	N	3	E	I	SE	SE	SE				-97.0031	35.160511
3/28/2002		2.42			Pottawatomie	17	8	N	3	E	I	SE	SE	SE				-97.0031	35.160511
6/19/2002		2.34			Pottawatomie	17	8	N	3	E	I	SE	SE	SE				-97.0031	35.160511
8/21/2002		2.48			Pottawatomie	17	8	N	3	E	I	SE	SE	SE				-97.0031	35.160511
12/2/2002		2.73			Pottawatomie	17	8	N	3	E	I	SE	SE	SE				-97.0031	35.160511
5/8/1992	0.19	13.07			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
6/10/1992	0.24	12.6			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
7/1/1992		12.65			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
7/30/1992		13.87			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
9/13/1993	0.154	10.92			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
10/11/1993	0.08	9.7			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
11/16/1993	0.06	9.62			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575

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12/14/1993	0.11	9.62			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
1/10/1993	0.04	9.48			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
10/26/1994	0.16	8.5			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
2/15/1994	0.14	8.71			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
2/21/1995	0.14	9.72			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
5/23/1995	0.08	6.2			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
7/12/1995	0.08	5.48			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
8/31/1995	0.1	6.95			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
6/18/1996	0.16	7.41			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
9/3/1996	0.14	6.44			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
8/11/1997	0.14	7.01			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
6/16/1998	0.16	8.11			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
12/18/1998	0.08	7.9			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
4/1/1999	0.24	9.88			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
7/13/1999	0.1	7.82			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
7/27/1999	0.14	9.33			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
11/11/1999		8.84			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
4/4/2000		10.26			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
6/28/2000	0.02	9			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
4/10/2001		8.5			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
12/26/2001		8.62			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
3/28/2002	0.081	7.52			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
6/21/2002		6.53			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
8/15/2002		6.08			Kingfisher	12	19	N	8	W	I	NW	NW	NW				-98.013936	36.144575
7/13/1993	0.08	7.56			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
9/13/1993	0.09	8.5			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
10/11/1993	0.08	9.24			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
11/16/1993	0.1	8.93			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
12/14/1993	0.09	9.34			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
1/10/1994	0.08	9.34			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
2/15/1994	0.12	8.91			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233

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10/26/1994	0.16	7.8			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
2/21/1995	0.12	8.27			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
5/4/1995	0.14	7.25			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
7/5/1995	0.1	7.21			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
8/31/1995	0.12	8.24			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
6/18/1996	0.11	8.88			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
9/3/1996	0.09	9.12			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
8/11/1997	0.07	11			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
10/15/1997	0.07	8.34			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
6/16/1998	0.07	9.2			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
12/18/1998	0.1	10.17			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
4/1/1999	0.1	9.29			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
5/27/1999	0.06	10.15			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
7/15/1999	0.06	11.14			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
11/11/1999		9.8			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
4/4/2000		9.61			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
6/28/2000	0.02	9.14			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
4/10/2001				Not at Home	Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
6/15/2001	0.11	10			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
12/26/2001		9.42			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
3/28/2002	0.075	8.97			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
6/21/2002		8.88			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
8/15/2002		8.28			Kingfisher	1	18	N	8	W	I	NW						-98.01029	36.069233
5/1/1992	0.07	6.03			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
6/1/1992	0.12	6.1			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
7/1/1992		5.95			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
7/29/1992		6.54			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
9/13/1993	0.02	6.63			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
10/11/1993	0.04	6.64			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
11/16/1993	0.04	6.31			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
12/14/1993	0.07	6.64			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
2/15/1994	0.06	6.78			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
10/26/1994	0.2	7.42			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
3/8/1995	0.04	6.56			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
5/4/1995	0.06	5.98			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
7/12/1995	0.02	6.72			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
8/31/1995	0.08	6.61			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
6/18/1996	0.07	6.62			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
9/3/1996	0.07	6.89			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
8/11/1997	0.22	7.24			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
6/16/1998	0.04	6.83			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
12/18/1998	0.04	11.4			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
4/1/1999	0.22	7.04			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
5/27/1999	0.08	7.29			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
7/15/1999	0.04	7.89			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
11/11/1999		7.53			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
4/4/2000		7.97			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
6/28/2000	0.04	7.87			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
4/10/2001		7.1			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
12/26/2001		8.31			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
3/28/2002	0.033	7.51			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
6/21/2002		7.13			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
8/15/2002		7.17			Kingfisher	28	19	N	8	W	I	SW	NE	NE				-98.053996	36.09899
5/1/1992	0.11	7.99			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
6/10/1992	0.12	8.02			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
7/1/1992		7.97			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
7/29/1992		8.29			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
9/13/1993	0.08	8.32			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
10/11/1993	0.06	8.67			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
11/16/1993	0.06	8.18			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
12/14/1993	0.14	8.09			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
1/10/1994	0.04	7.92			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
2/15/1994	0.06	7.82			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
10/26/1994	0.1	8.16			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
3/8/1995	0.1	7.77			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
5/4/1995	0.04	7.82			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
7/12/1995	0.02	7.52			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
8/31/1995	0.1	8.38			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
7/8/1996	0.04	8.35			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
9/3/1996	0.05	8.06			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
8/3/1997	0.07	9.95			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
10/15/1997	0.05	7.29			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
6/16/1998	0.06	7.5			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
12/18/1998	0.16	8.85			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
4/1/1999	0.16	8.57			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
5/27/1999	0.04	7.23			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
7/15/1999	0.04	8.24			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
11/11/1999		7.84			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
4/4/2000		8.66			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
6/28/2000	0.02	9.62			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
4/10/2001		8.7			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
12/26/2001		9.52			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
3/28/2002	0.053	8.65			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
6/21/2002		8.66			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
8/15/2002		8.67			Kingfisher	3	19	N	8	W	I	NE	NE	NE				-98.034107	36.158536
5/1/1992	0.19	3.28			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
6/1/1992	0.2	3.82			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
7/1/1992		2.68			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
7/29/1992		3.38			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
9/13/1993	0.1	2.88			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
10/11/1993	0.12	2.63			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
11/16/1993	0.16	3.17			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
12/14/1993	0.16	3.67			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
1/10/1994	0.08	3.5			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
2/15/1994	0.13	3.43			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
10/26/1994	0.1	4.27			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
3/8/1995	0.08	4.03			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
5/4/1995	0.1	4.85			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
7/12/1995	0.04	5.42			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
8/31/1995	0.1	5.34			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
7/8/1996	0.13	4.42			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
9/3/1996	0.06	4.13			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
8/11/1997	0.12	4.3			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
6/16/1998	0.12	6.15			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
12/18/1998	0.11	5.58			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
4/1/1999	0.12	9.57			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
9/25/1999	0.12	6.47			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
7/15/1999	0.1	9.28			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
11/11/1999		4.84			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
4/4/2000		10.14			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
6/28/2000	0.04	5.91			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
4/10/2001		10.1			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
12/26/2001		8.13			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
3/28/2002	0.094	5.39			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
6/21/2002		9.37			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
8/15/2002		5.4			Kingfisher	9	19	N	8	W	I	SE	NE	SE				-98.051976	36.135228
9/13/1993	0.31	16.57			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
10/11/1993	0.06	16.05			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
11/16/1993	0.08	14.35			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
12/14/1993	0.08	15.24			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
1/10/1994	0.2	15.27			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
2/15/1994	0.05	13.03			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
10/26/1994	0.02	15.93			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
2/21/1995	0.1	15.54			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836

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5/4/1995	0.06	13.95			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
7/5/1995	0.14	15.32			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
8/31/1995	0.1	13.3			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
6/18/1996	0.09	12.19			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
9/3/1996	0.04	11.59			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
8/11/1997	0.05	15.51			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
6/16/1998	0.06	12.75			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
12/18/1998	0.08	13.52			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
4/1/1999	0.1	14.71			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
5/24/1999	0.04	15.33			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
7/15/1999	0.1	14.91			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
11/11/1999		12.98			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
4/4/2000		14.09			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
6/28/2000	0.02	14.22			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
4/10/2001		12.9			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
4/11/2001		7.9			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
12/26/2001		13.29			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
3/28/2002	1.068	12.1			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
6/21/2002		12.47			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
8/15/2002		12.02			Kingfisher	7	18	N	7	W	I	SE	SW	SE				-97.985055	36.044836
4/11/2001		4.5			Kingfisher	16	19	N	8	W	I	NW						-98.064268	36.127032
12/26/2001		4.95			Kingfisher	16	19	N	8	W	I	NW						-98.064268	36.127032
3/28/2002	0.151	4.64			Kingfisher	16	19	N	8	W	I	NW						-98.064268	36.127032
6/21/2002		4.61			Kingfisher	16	19	N	8	W	I	NW						-98.064268	36.127032
8/15/2002		4.91			Kingfisher	16	19	N	8	W	I	NW						-98.064268	36.127032
7/18/2001	0.121	9.88			Kingfisher	2	18	N	8	W	I	NE						-98.019186	36.069182
12/26/2001		9.7			Kingfisher	2	18	N	8	W	I	NE						-98.019186	36.069182
3/28/2002	0.088	8.96			Kingfisher	2	18	N	8	W	I	NE						-98.019186	36.069182
6/21/2002		8.87			Kingfisher	2	18	N	8	W	I	NE						-98.019186	36.069182
8/15/2002		8.84			Kingfisher	2	18	N	8	W	I	NE						-98.019186	36.069182
6/26/1995	0.14	6.51			Major	30	20	N	15	W	I	SE	SW	SW				-98.846043	36.173869

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8/14/1995	0.08	6.06			Major	30	20	N	15	W	I	SE	SW	SW				-98.846043	36.173869
9/6/1995	0.18	6.91			Major	30	20	N	15	W	I	SE	SW	SW				-98.846043	36.173869
10/16/1995	0.12	7.11			Major	30	20	N	15	W	I	SE	SW	SW				-98.846043	36.173869
9/6/1996	0.12	8.53			Major	30	20	N	15	W	I	SE	SW	SW				-98.846043	36.173869
10/1/1997	0.15	5.35			Major	30	20	N	15	W	I	SE	SW	SW				-98.846043	36.173869
6/18/1998	0.1	6.59			Major	30	20	N	15	W	I	SE	SW	SW				-98.846043	36.173869
11/5/1998	0.08	4.94			Major	30	20	N	15	W	I	SE	SW	SW				-98.846043	36.173869
4/1/1999	0.12	6.37			Major	30	20	N	15	W	I	SE	SW	SW				-98.846043	36.173869
6/29/1999	0.1	9.15			Major	30	20	N	15	W	I	SE	SW	SW				-98.846043	36.173869
7/27/1999	0.14	8.56			Major	30	20	N	15	W	I	SE	SW	SW				-98.846043	36.173869
11/1/1999		7.39			Major	30	20	N	15	W	I	SE	SW	SW				-98.846043	36.173869
3/14/2000		5.96			Major	30	20	N	15	W	I	SE	SW	SW				-98.846043	36.173869
6/26/2000	0.12	5.9			Major	30	20	N	15	W	I	SE	SW	SW				-98.846043	36.173869
9/23/2000	0.16	7.59			Major	30	20	N	15	W	I	SE	SW	SW				-98.846043	36.173869
12/18/2000	0.05	6.51			Major	30	20	N	15	W	I	SE	SW	SW				-98.846043	36.173869
5/30/2001	0.38	6.06			Major	30	20	N	15	W	I	SE	SW	SW				-98.846043	36.173869
7/17/2001	0.485	5.9			Major	30	20	N	15	W	I	SE	SW	SW				-98.846043	36.173869
12/11/2001	0.075	6.16			Major	30	20	N	15	W	I	SE	SW	SW				-98.846043	36.173869
3/30/2002	0.097	6.23			Major	30	20	N	15	W	I	SE	SW	SW				-98.846043	36.173869
6/24/2002	0.1	5.28			Major	30	20	N	15	W	I	SE	SW	SW				-98.846043	36.173869
8/13/2002	0.08	5.33			Major	30	20	N	15	W	I	SE	SW	SW				-98.846043	36.173869
5/30/1995	0.1	3.58			Major	32	20	N	9	W	I	NE	NW	NE				-98.181173	36.172955
10/18/1995	0.06	0			Major	32	20	N	9	W	I	NE	NW	NE				-98.181173	36.172955
9/3/1996	0.09	0.43			Major	32	20	N	9	W	I	NE	NW	NE				-98.181173	36.172955
8/12/1997	0.1	2.49			Major	32	20	N	9	W	I	NE	NW	NE				-98.181173	36.172955
6/22/1998	0.1	2.07			Major	32	20	N	9	W	I	NE	NW	NE				-98.181173	36.172955
11/5/1998	0.07	1.58			Major	32	20	N	9	W	I	NE	NW	NE				-98.181173	36.172955
4/1/1999	0.16	1.92			Major	32	20	N	9	W	I	NE	NW	NE				-98.181173	36.172955
5/25/1999	0.06	0			Major	32	20	N	9	W	I	NE	NW	NE				-98.181173	36.172955
7/8/1999	0.18	0.2			Major	32	20	N	9	W	I	NE	NW	NE				-98.181173	36.172955
11/1/1999		2.16			Major	32	20	N	9	W	I	NE	NW	NE				-98.181173	36.172955

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
3/14/2000		2.45			Major	32	20	N	9	W	I	NE	NW	NE				-98.181173	36.172955
6/27/2000	0.02	1.88			Major	32	20	N	9	W	I	NE	NW	NE				-98.181173	36.172955
10/24/2000	0.07	3.14			Major	32	20	N	9	W	I	NE	NW	NE				-98.181173	36.172955
1/22/2001	0.18	3.51			Major	32	20	N	9	W	I	NE	NW	NE				-98.181173	36.172955
5/30/2001	0.46	3.58			Major	32	20	N	9	W	I	NE	NW	NE				-98.181173	36.172955
7/18/2001	0.069	3.92			Major	32	20	N	9	W	I	NE	NW	NE				-98.181173	36.172955
12/15/2001	0.048	4.72			Major	32	20	N	9	W	I	NE	NW	NE				-98.181173	36.172955
3/30/2002	0.045	5.53			Major	32	20	N	9	W	I	NE	NW	NE				-98.181173	36.172955
6/24/2002	0.09	4.18			Major	32	20	N	9	W	I	NE	NW	NE				-98.181173	36.172955
5/30/1995	0.08	7.79			Kingfisher	32	20	N	9	W	I	NE	SW	SW				-98.190131	36.162111
10/18/1995	0.06	13.55			Kingfisher	32	20	N	9	W	I	NE	SW	SW				-98.190131	36.162111
9/3/1996	0.07	5.07			Kingfisher	32	20	N	9	W	I	NE	SW	SW				-98.190131	36.162111
8/12/1997	0.18	7.36			Kingfisher	32	20	N	9	W	I	NE	SW	SW				-98.190131	36.162111
6/22/1998	0.07	6.16			Kingfisher	32	20	N	9	W	I	NE	SW	SW				-98.190131	36.162111
11/5/1998	0.04	2.45			Kingfisher	32	20	N	9	W	I	NE	SW	SW				-98.190131	36.162111
4/1/1999	0.08	5.54			Kingfisher	32	20	N	9	W	I	NE	SW	SW				-98.190131	36.162111
5/25/1999	0.1	2.1			Kingfisher	32	20	N	9	W	I	NE	SW	SW				-98.190131	36.162111
7/8/1999	0.06	1.89			Kingfisher	32	20	N	9	W	I	NE	SW	SW				-98.190131	36.162111
11/1/1999		6.31			Kingfisher	32	20	N	9	W	I	NE	SW	SW				-98.190131	36.162111
3/14/2000		6.22			Kingfisher	32	20	N	9	W	I	NE	SW	SW				-98.190131	36.162111
6/27/2000	0.02	7.24			Kingfisher	32	20	N	9	W	I	NE	SW	SW				-98.190131	36.162111
7/18/2001	0.005	5.93			Kingfisher	32	20	N	9	W	I	NE	SW	SW				-98.190131	36.162111
3/30/2002	0.094	4.41			Kingfisher	32	20	N	9	W	I	NE	SW	SW				-98.190131	36.162111
6/19/1995	0.02	11.23			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
9/11/1995	0.08	11.21			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
10/18/1995	0.08	11.26			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
9/9/1996	0.1	11.68			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
8/13/1997	0.15	12.9			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
6/18/1998	0.12	12.41			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
6/18/1998	0.11	12.41			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
12/3/1998	0.07	12.81			Major	23	20	N	15	W	I	SE						-98.765096	36.191316

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4/3/1999	0.12	11.79			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
5/26/1999	0.1	12.04			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
7/7/1999	0.1	11.59			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
11/1/1999		13.09			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
3/28/2000		11.22			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
6/26/2000	0.12	11.31			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
9/23/2000	0.14	13.42			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
12/18/2000	0.07	10.99			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
5/30/2001	0.21	10.97			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
7/17/2001	0.087	12.52			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
12/11/2001	0.058	11.19			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
3/30/2002	0.082	11.02			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
6/24/2002	0.078	10.42			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
8/13/2002	0.067	10.63			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
6/19/1995	0.02	5.2			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
8/14/1995	0.08	4.97			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
9/11/1995	0.08	5.17			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
10/18/1995	0.04	5.26			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
5/26/1999	0.08	12.02			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
7/7/1999	0.1	11.44			Major	23	20	N	15	W	I	SE						-98.765096	36.191316
6/26/1995	0.12	3.08			Woodward	26	21	N	17	W	I	S	SW					-98.991942	36.263062
8/14/1995	0.1	3.13			Woodward	26	21	N	17	W	I	S	SW					-98.991942	36.263062
9/6/1995	0.14	3.04			Woodward	26	21	N	17	W	I	S	SW					-98.991942	36.263062
10/16/1995	0.08	3.02			Woodward	26	21	N	17	W	I	S	SW					-98.991942	36.263062
9/9/1996	0.08	3.42			Woodward	26	21	N	17	W	I	S	SW					-98.991942	36.263062
8/13/1997	0.12	3.71			Woodward	26	21	N	17	W	I	S	SW					-98.991942	36.263062
6/22/1998	0.12	3.79			Woodward	26	21	N	17	W	I	S	SW					-98.991942	36.263062
12/3/1998	0.04	4.78			Woodward	26	21	N	17	W	I	S	SW					-98.991942	36.263062
4/1/1999	0.16	5.12			Woodward	26	21	N	17	W	I	S	SW					-98.991942	36.263062
5/26/1999	0.06	5.21			Woodward	26	21	N	17	W	I	S	SW					-98.991942	36.263062
7/8/1999	0.06	4.99			Woodward	26	21	N	17	W	I	S	SW					-98.991942	36.263062

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11/1/1999		5.66			Woodward	26	21	N	17	W	I	S	SW					-98.991942	36.263062
6/27/2000	0.02	4.54			Woodward	26	21	N	17	W	I	S	SW					-98.991942	36.263062
9/23/2000	0.08	4.98			Woodward	26	21	N	17	W	I	S	SW					-98.991942	36.263062
12/18/2000	0.06	4.48			Woodward	26	21	N	17	W	I	S	SW					-98.991942	36.263062
5/30/2001	0.12	4.41			Woodward	26	21	N	17	W	I	S	SW					-98.991942	36.263062
7/17/2001	0.225	4.52			Woodward	26	21	N	17	W	I	S	SW					-98.991942	36.263062
12/11/2001	0.038	4.58			Woodward	26	21	N	17	W	I	S	SW					-98.991942	36.263062
3/19/2002	0.057	4.59			Woodward	26	21	N	17	W	I	S	SW					-98.991942	36.263062
6/24/2002	0.058	4.29			Woodward	26	21	N	17	W	I	S	SW					-98.991942	36.263062
8/13/2002	0.053	4.07			Woodward	26	21	N	17	W	I	S	SW					-98.991942	36.263062
6/26/1995	0.1	12			Major	19	20	N	15	W	I	NE	NW	NE				-98.837348	36.200949
8/14/1995	0.14	11.23			Major	19	20	N	15	W	I	NE	NW	NE				-98.837348	36.200949
9/6/1995	0.14	11.25			Major	19	20	N	15	W	I	NE	NW	NE				-98.837348	36.200949
6/22/1998	0.1	9.78			Major	19	20	N	15	W	I	NE	NW	NE				-98.837348	36.200949
12/3/1998	0.06	11.3			Major	19	20	N	15	W	I	NE	NW	NE				-98.837348	36.200949
4/3/1999	0.1	10.79			Major	19	20	N	15	W	I	NE	NW	NE				-98.837348	36.200949
5/26/1999	0.08	9.85			Major	19	20	N	15	W	I	NE	NW	NE				-98.837348	36.200949
7/7/1999	0.1	9.84			Major	19	20	N	15	W	I	NE	NW	NE				-98.837348	36.200949
11/1/1999		10.8			Major	19	20	N	15	W	I	NE	NW	NE				-98.837348	36.200949
3/28/2000		9.33			Major	19	20	N	15	W	I	NE	NW	NE				-98.837348	36.200949
6/26/2000	0.08	9.28			Major	19	20	N	15	W	I	NE	NW	NE				-98.837348	36.200949
9/23/2000	0.1	10.52			Major	19	20	N	15	W	I	NE	NW	NE				-98.837348	36.200949
12/18/2000	0.06	9.19			Major	19	20	N	15	W	I	NE	NW	NE				-98.837348	36.200949
5/30/2001	0.14	9.42			Major	19	20	N	15	W	I	NE	NW	NE				-98.837348	36.200949
7/17/2001	0.464	10.89			Major	19	20	N	15	W	I	NE	NW	NE				-98.837348	36.200949
12/11/2001	0.048	9.93			Major	19	20	N	15	W	I	NE	NW	NE				-98.837348	36.200949
3/19/2002	0.072	9.76			Major	19	20	N	15	W	I	NE	NW	NE				-98.837348	36.200949
6/24/2002	0.076	8.81			Major	19	20	N	15	W	I	NE	NW	NE				-98.837348	36.200949
6/1/1995	0.12	6.6			Major	19	20	N	14	W	I	SE	SE					-98.72789	36.189735
8/14/1995	0.06	6.6			Major	19	20	N	14	W	I	SE	SE					-98.72789	36.189735
9/6/1995	0.2	6.52			Major	19	20	N	14	W	I	SE	SE					-98.72789	36.189735

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10/16/1995	0.16	7.02			Major	19	20	N	14	W	I	SE	SE					-98.72789	36.189735
12/6/1994	0.16	7.33			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
2/15/1995	0.2	7.79			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
4/26/1995	0.1	7.69			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
6/1/1995	0.12	7.07			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
8/14/1995	0.04	7.14			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
9/11/1995	0.24	8.17			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
10/18/1995	0.16	7.93			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
9/9/1996	0.22	7.7			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
8/12/1997	0.16	9.35			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
6/17/1998	0.16	8.24			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
11/5/1998	0.1	3.12			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
4/1/1999	0.2	8.36			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
5/25/1999	0.14	8.67			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
7/27/1999	0.14	18.66			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
11/1/1999		7.82			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
3/14/2000		6.67			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
6/27/2000	0.18	7.96			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
10/24/2000	0.15	7.06			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
1/22/2001	0.13	8.64			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
5/30/2001	0.58	7.18			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
7/17/2001	0.895	9.03			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
3/19/2002	0.17	7.75			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
6/24/2002	0.168	7.44			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
8/13/2002	0.141	6.62			Major	34	20	N	13	W	I	NW	NW					-98.581258	36.171593
12/6/1994	0.14	16.98			Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
2/15/1995	1.52	15.96			Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
4/26/1995	0.12	13.35			Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
6/1/1995	0.32	13.22			Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
8/14/1995	0.06	17.22			Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
9/11/1995	0.24	15.4			Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907

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10/18/1995	0.18	15.69			Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
9/9/1996	0.26	14.68			Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
8/12/1997	0.13	20.5			Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
10/16/1997	0.14	16.8	0		Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
6/17/1998	0.17	17.38	0.34		Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
11/5/1998	0.1	7.24			Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
4/1/1999	0.18	14.23			Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
5/25/1999	0.26	17.74			Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
7/27/1999	0.16	8.59			Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
11/1/1999		16.68			Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
3/14/2000		11.83			Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
6/27/2000	0.14	17.51			Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
10/24/2000	0.11	16.96			Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
1/22/2001	0.18	21.75			Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
5/30/2001	0.48	17.39			Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
7/17/2001	0.165	12.78			Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
3/19/2002	0.188	10.6			Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
6/24/2002	0.231	8.29			Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
8/13/2002	0.149	17.64			Major	34	20	N	13	W	I	NW	SW	NW				-98.582349	36.168907
12/6/1994	0.16	7.86			Major	33	20	N	13	W	I	NE	NE	NE				-98.584628	36.172503
2/15/1995	0.14	9.26			Major	33	20	N	13	W	I	NE	NE	NE				-98.584628	36.172503
6/1/1995	0.14	7.95			Major	33	20	N	13	W	I	NE	NE	NE				-98.584628	36.172503
9/11/1995	0.22	9.75			Major	33	20	N	13	W	I	NE	NE	NE				-98.584628	36.172503
10/18/1995	0.18	10.08			Major	33	20	N	13	W	I	NE	NE	NE				-98.584628	36.172503
8/12/1997	0.13	10.8			Major	33	20	N	13	W	I	NE	NE	NE				-98.584628	36.172503
6/17/1998	0.15	6.64			Major	33	20	N	13	W	I	NE	NE	NE				-98.584628	36.172503
11/5/1998	0.08	1.18			Major	33	20	N	13	W	I	NE	NE	NE				-98.584628	36.172503
4/1/1999	0.16	5.76			Major	33	20	N	13	W	I	NE	NE	NE				-98.584628	36.172503
5/25/1999	0.12	6.25			Major	33	20	N	13	W	I	NE	NE	NE				-98.584628	36.172503
7/27/1999	0.16	5.81			Major	33	20	N	13	W	I	NE	NE	NE				-98.584628	36.172503
11/1/1999		5.7			Major	33	20	N	13	W	I	NE	NE	NE				-98.584628	36.172503

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
3/14/2000		5.75			Major	33	20	N	13	W	I	NE	NE	NE				-98.584628	36.172503
6/27/2000	0.04	5.17			Major	33	20	N	13	W	I	NE	NE	NE				-98.584628	36.172503
5/30/2001	0.37	5.22			Major	33	20	N	13	W	I	NE	NE	NE				-98.584628	36.172503
3/19/2002	0.149	5.36			Major	33	20	N	13	W	I	NE	NE	NE				-98.584628	36.172503
6/24/2002	0.231	8.29			Major	33	20	N	13	W	I	NE	NE	NE				-98.584628	36.172503
8/13/2002	0.13	7.22			Major	33	20	N	13	W	I	NE	NE	NE				-98.584628	36.172503
12/6/1994	0.1	8.3			Major	33	20	N	13	W	I	SE	NE	NE				-98.584607	36.17071
2/15/1995	0.12	8.64			Major	33	20	N	13	W	I	SE	NE	NE				-98.584607	36.17071
4/26/1995	0.12	9.42			Major	33	20	N	13	W	I	SE	NE	NE				-98.584607	36.17071
6/1/1995	0.12	9.45			Major	33	20	N	13	W	I	SE	NE	NE				-98.584607	36.17071
9/11/1995	0.18	12.85			Major	33	20	N	13	W	I	SE	NE	NE				-98.584607	36.17071
10/18/1995	0.16	8.83			Major	33	20	N	13	W	I	SE	NE	NE				-98.584607	36.17071
8/12/1997	0.12	10.32			Major	33	20	N	13	W	I	SE	NE	NE				-98.584607	36.17071
6/17/1998	0.14	10.07			Major	33	20	N	13	W	I	SE	NE	NE				-98.584607	36.17071
11/5/1998	0.08	4.43			Major	33	20	N	13	W	I	SE	NE	NE				-98.584607	36.17071
4/1/1999	0.14	8.62			Major	33	20	N	13	W	I	SE	NE	NE				-98.584607	36.17071
5/25/1999	0.12	8.42			Major	33	20	N	13	W	I	SE	NE	NE				-98.584607	36.17071
7/27/1999	0.14	13.08			Major	33	20	N	13	W	I	SE	NE	NE				-98.584607	36.17071
11/1/1999		13.08			Major	33	20	N	13	W	I	SE	NE	NE				-98.584607	36.17071
3/14/2000		10.65			Major	33	20	N	13	W	I	SE	NE	NE				-98.584607	36.17071
6/27/2000	0.06	6.8			Major	33	20	N	13	W	I	SE	NE	NE				-98.584607	36.17071
10/24/2000	0.1	7.05			Major	33	20	N	13	W	I	SE	NE	NE				-98.584607	36.17071
1/22/2001	0.19	7.79			Major	33	20	N	13	W	I	SE	NE	NE				-98.584607	36.17071
5/30/2001	0.5	11			Major	33	20	N	13	W	I	SE	NE	NE				-98.584607	36.17071
3/19/2002	0.238	10.82			Major	33	20	N	13	W	I	SE	NE	NE				-98.584607	36.17071
6/24/2002	0.149	7.09			Major	33	20	N	13	W	I	SE	NE	NE				-98.584607	36.17071
8/13/2002	0.125	9.04			Major	33	20	N	13	W	I	SE	NE	NE				-98.584607	36.17071
12/6/1994	0.1	14.26			Major	33	20	N	13	W	I	NW	NW	NE				-98.591329	36.172542
4/26/1995	0.1	7.55			Major	33	20	N	13	W	I	NW	NW	NE				-98.591329	36.172542
6/1/1995	0.24	5.11			Major	33	20	N	13	W	I	NW	NW	NE				-98.591329	36.172542
6/17/1998	0.16	9.32			Major	33	20	N	13	W	I	NW	NW	NE				-98.591329	36.172542

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4/1/1999	0.16	12.18			Major	33	20	N	13	W	I	NW	NW	NE				-98.591329	36.172542
5/25/1999	0.16	12.17			Major	33	20	N	13	W	I	NW	NW	NE				-98.591329	36.172542
7/27/1999	0.14	9.05			Major	33	20	N	13	W	I	NW	NW	NE				-98.591329	36.172542
11/1/1999		9.35			Major	33	20	N	13	W	I	NW	NW	NE				-98.591329	36.172542
1/22/2001	0.16	8.95			Major	33	20	N	13	W	I	NW	NW	NE				-98.591329	36.172542
3/19/2002	0.155	7.35			Major	33	20	N	13	W	I	NW	NW	NE				-98.591329	36.172542
6/24/2002	0.177	8.13			Major	33	20	N	13	W	I	NW	NW	NE				-98.591329	36.172542
12/14/1993	0.22	11.92			Major	30	20	N	9	W	I	NE	SE	SE				-98.194576	36.176683
3/28/1994	0.1	13.97			Major	30	20	N	9	W	I	NE	SE	SE				-98.194576	36.176683
4/25/1994	0.28	14.76			Major	30	20	N	9	W	I	NE	SE	SE				-98.194576	36.176683
10/26/1994	0.16	5.99			Major	30	20	N	9	W	I	NE	SE	SE				-98.194576	36.176683
11/16/1993	0.04	4.13			Major	30	20	N	9	W	I	NW	NW	SE				-98.200911	36.180264
12/14/1993	0.02	4.2			Major	30	20	N	9	W	I	NW	NW	SE				-98.200911	36.180264
1/10/1994	0.02	4.29			Major	30	20	N	9	W	I	NW	NW	SE				-98.200911	36.180264
2/15/1994	0.03	4.12			Major	30	20	N	9	W	I	NW	NW	SE				-98.200911	36.180264
3/28/1994	0.06	4.25			Major	30	20	N	9	W	I	NW	NW	SE				-98.200911	36.180264
4/25/1994	0.22	4.39			Major	30	20	N	9	W	I	NW	NW	SE				-98.200911	36.180264
10/26/1994	0.06	2.93			Major	30	20	N	9	W	I	NW	NW	SE				-98.200911	36.180264
6/19/1995	0.14	6.98			Major	23	20	N	15	W	I	SW	SW	NW				-98.777375	36.195798
8/14/1995	0.18	6.9			Major	23	20	N	15	W	I	SW	SW	NW				-98.777375	36.195798
9/11/1995	0.02	9.42			Major	23	20	N	15	W	I	SW	SW	NW				-98.777375	36.195798
10/16/1995	0.14	7.35			Major	23	20	N	15	W	I	SW	SW	NW				-98.777375	36.195798
6/18/1998	0.11	12.28			Major	23	20	N	15	W	I	SW	SW	NW				-98.777375	36.195798
12/3/1998	0.1	7.38			Major	23	20	N	15	W	I	SW	SW	NW				-98.777375	36.195798
4/3/1999	0.3	6.76			Major	23	20	N	15	W	I	SW	SW	NW				-98.777375	36.195798
5/26/1999	0.08	7.82			Major	23	20	N	15	W	I	SW	SW	NW				-98.777375	36.195798
7/7/1999	0.1	8			Major	23	20	N	15	W	I	SW	SW	NW				-98.777375	36.195798
11/1/1999		8.41			Major	23	20	N	15	W	I	SW	SW	NW				-98.777375	36.195798
3/14/2000		6.25			Major	23	20	N	15	W	I	SW	SW	NW				-98.777375	36.195798
6/26/2000	0.12	6.94			Major	23	20	N	15	W	I	SW	SW	NW				-98.777375	36.195798
9/23/2000	0.14	7.95			Major	23	20	N	15	W	I	SW	SW	NW				-98.777375	36.195798

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12/18/2000	0.09	6.57			Major	23	20	N	15	W	I	SW	SW	NW				-98.777375	36.195798
5/30/2001	0.78	6.21			Major	23	20	N	15	W	I	SW	SW	NW				-98.777375	36.195798
7/17/2001	0.196	7.65			Major	23	20	N	15	W	I	SW	SW	NW				-98.777375	36.195798
12/11/2001	0.091	6.52			Major	23	20	N	15	W	I	SW	SW	NW				-98.777375	36.195798
3/30/2002	0.1	6.24			Major	23	20	N	15	W	I	SW	SW	NW				-98.777375	36.195798
6/24/2002	0.105	5.29			Major	23	20	N	15	W	I	SW	SW	NW				-98.777375	36.195798
8/13/2002	0.104	4.96			Major	23	20	N	15	W	I	SW	SW	NW				-98.777375	36.195798
6/26/1995	0.18	4.95			Woodward	34	21	N	17	W	I	SW	SE					-99.003121	36.248743
8/14/1995	0.14	4.6			Woodward	34	21	N	17	W	I	SW	SE					-99.003121	36.248743
9/6/1995	0.16	4.51			Woodward	34	21	N	17	W	I	SW	SE					-99.003121	36.248743
10/16/1995	0.12	4.89			Woodward	34	21	N	17	W	I	SW	SE					-99.003121	36.248743
9/9/1996	0.12	3.84			Woodward	34	21	N	17	W	I	SW	SE					-99.003121	36.248743
8/13/1997	0.19	4.55			Woodward	34	21	N	17	W	I	SW	SE					-99.003121	36.248743
8/12/1998	0.11	3.89			Woodward	34	21	N	17	W	I	SW	SE					-99.003121	36.248743
12/3/1998	0.09	3.9			Woodward	34	21	N	17	W	I	SW	SE					-99.003121	36.248743
4/1/1999	0.22	3.69			Woodward	34	21	N	17	W	I	SW	SE					-99.003121	36.248743
11/1/1999		4.19			Woodward	34	21	N	17	W	I	SW	SE					-99.003121	36.248743
3/28/2000		5.55			Woodward	34	21	N	17	W	I	SW	SE					-99.003121	36.248743
6/26/2000	0.12	5.54			Woodward	34	21	N	17	W	I	SW	SE					-99.003121	36.248743
9/23/2000	0.14	5.99			Woodward	34	21	N	17	W	I	SW	SE					-99.003121	36.248743
12/18/2000	0.09	5.29			Woodward	34	21	N	17	W	I	SW	SE					-99.003121	36.248743
5/30/2001	0.22	5.5			Woodward	34	21	N	17	W	I	SW	SE					-99.003121	36.248743
12/11/2001	0.092	7.06			Woodward	34	21	N	17	W	I	SW	SE					-99.003121	36.248743
3/19/2002	0.104	6.83			Woodward	34	21	N	17	W	I	SW	SE					-99.003121	36.248743
6/24/2002	0.095	6.08			Woodward	34	21	N	17	W	I	SW	SE					-99.003121	36.248743
8/13/2002	0.09	6.37			Woodward	34	21	N	17	W	I	SW	SE					-99.003121	36.248743
6/19/1995	0.06	10.07			Major	29	20	N	14	W	I	SW						-98.721212	36.177157
8/14/1995	0.12	10.02			Major	29	20	N	14	W	I	SW						-98.721212	36.177157
9/6/1995	0.2	9.64			Major	29	20	N	14	W	I	SW						-98.721212	36.177157
10/18/1995	0.1	9.75			Major	29	20	N	14	W	I	SW						-98.721212	36.177157
9/9/1996	0.12	11.46			Major	29	20	N	14	W	I	SW						-98.721212	36.177157

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6/23/1998	0.1	9.08			Major	29	20	N	14	W	I	SW						-98.721212	36.177157
12/3/1998	0.1	14.42			Major	29	20	N	14	W	I	SW						-98.721212	36.177157
4/1/1999	0.14	13.69			Major	29	20	N	14	W	I	SW						-98.721212	36.177157
5/26/1999	0.1	8.46			Major	29	20	N	14	W	I	SW						-98.721212	36.177157
7/7/1999	0.1	14.28			Major	29	20	N	14	W	I	SW						-98.721212	36.177157
7/14/1999	0.1	8.22			Major	29	20	N	14	W	I	SW						-98.721212	36.177157
11/1/1999		13.48			Major	29	20	N	14	W	I	SW						-98.721212	36.177157
3/28/2000		13.27			Major	29	20	N	14	W	I	SW						-98.721212	36.177157
9/23/2000	0.08	13.79			Major	29	20	N	14	W	I	SW						-98.721212	36.177157
12/18/2000	0.06	11.22			Major	29	20	N	14	W	I	SW						-98.721212	36.177157
5/30/2001	0.16	11.78			Major	29	20	N	14	W	I	SW						-98.721212	36.177157
7/17/2001	0.441	14.93			Major	29	20	N	14	W	I	SW						-98.721212	36.177157
12/11/2001	0.052	11.78			Major	29	20	N	14	W	I	SW						-98.721212	36.177157
3/30/2002	0.094	11.6			Major	29	20	N	14	W	I	SW						-98.721212	36.177157
3/13/1995		12.61			Dewey	4	19	N	14	W	I	NE	NE	NE				-98.691268	36.158228
8/13/1997	0.17	15.75			Dewey	4	19	N	14	W	I	NE	NE	NE				-98.691268	36.158228
6/22/1998	0.16	14.2			Dewey	4	19	N	14	W	I	NE	NE	NE				-98.691268	36.158228
11/5/1998	0.12	16.4			Dewey	4	19	N	14	W	I	NE	NE	NE				-98.691268	36.158228
4/3/1999	0.16	20.39			Dewey	4	19	N	14	W	I	NE	NE	NE				-98.691268	36.158228
5/25/1999	0.14	20.49			Dewey	4	19	N	14	W	I	NE	NE	NE				-98.691268	36.158228
7/7/1999	0.06	19.46			Dewey	4	19	N	14	W	I	NE	NE	NE				-98.691268	36.158228
11/1/1999		21.28			Dewey	4	19	N	14	W	I	NE	NE	NE				-98.691268	36.158228
3/14/2000		18.99			Dewey	4	19	N	14	W	I	NE	NE	NE				-98.691268	36.158228
6/26/2000	0.14	19.66			Dewey	4	19	N	14	W	I	NE	NE	NE				-98.691268	36.158228
9/23/2000	0.16	22.03			Dewey	4	19	N	14	W	I	NE	NE	NE				-98.691268	36.158228
12/18/2000	0.11	18.01			Dewey	4	19	N	14	W	I	NE	NE	NE				-98.691268	36.158228
5/30/2001	0.5	19.83			Dewey	4	19	N	14	W	I	NE	NE	NE				-98.691268	36.158228
7/17/2001	0.367	15.35			Dewey	4	19	N	14	W	I	NE	NE	NE				-98.691268	36.158228
12/11/2001	0.103	20.05			Dewey	4	19	N	14	W	I	NE	NE	NE				-98.691268	36.158228
3/28/2002	0.087	11.47			Dewey	4	19	N	14	W	I	NE	NE	NE				-98.691268	36.158228
6/24/2002	0.085	10.25			Dewey	4	19	N	14	W	I	NE	NE	NE				-98.691268	36.158228

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8/13/2002	0.096	20.96			Dewey	4	19	N	14	W	I	NE	NE	NE				-98.691268	36.158228
3/13/1995		10.09			Woods	31	24	N	13	W	I	NE	NW	NE				-98.628333	36.51999
6/22/1998	0.14	18.65			Woods	31	24	N	13	W	I	NE	NW	NE				-98.628333	36.51999
11/5/1998	0.09	17.1			Woods	31	24	N	13	W	I	NE	NW	NE				-98.628333	36.51999
4/3/1999	0.18	14.53			Woods	31	24	N	13	W	I	NE	NW	NE				-98.628333	36.51999
5/25/1999	0.1	15.05			Woods	31	24	N	13	W	I	NE	NW	NE				-98.628333	36.51999
11/1/1999		15			Woods	31	24	N	13	W	I	NE	NW	NE				-98.628333	36.51999
3/14/2000		13.16			Woods	31	24	N	13	W	I	NE	NW	NE				-98.628333	36.51999
6/26/2000	0.14	12.46			Woods	31	24	N	13	W	I	NE	NW	NE				-98.628333	36.51999
9/23/2000	0.08	15.18			Woods	31	24	N	13	W	I	NE	NW	NE				-98.628333	36.51999
12/18/2000	0.07	12.63			Woods	31	24	N	13	W	I	NE	NW	NE				-98.628333	36.51999
5/30/2001	0.18	12.3			Woods	31	24	N	13	W	I	NE	NW	NE				-98.628333	36.51999
7/17/2001	0.502	25.58			Woods	31	24	N	13	W	I	NE	NW	NE				-98.628333	36.51999
12/11/2001	0.064	12.41			Woods	31	24	N	13	W	I	NE	NW	NE				-98.628333	36.51999
3/30/2002	0.118	19.84			Woods	31	24	N	13	W	I	NE	NW	NE				-98.628333	36.51999
6/24/2002	0.123	21.04			Woods	31	24	N	13	W	I	NE	NW	NE				-98.628333	36.51999
8/13/2002	0.071	10.71			Woods	31	24	N	13	W	I	NE	NW	NE				-98.628333	36.51999
3/13/1995		3.02			Major	32	20	N	13	W	I	NE	NE	NE				-98.602482	36.172603
8/13/1997	0.15	3.77			Major	32	20	N	13	W	I	NE	NE	NE				-98.602482	36.172603
6/17/1998	0.14	3.45			Major	32	20	N	13	W	I	NE	NE	NE				-98.602482	36.172603
11/5/1998	0.08	3.92			Major	32	20	N	13	W	I	NE	NE	NE				-98.602482	36.172603
4/1/1999	0.14	10.03			Major	32	20	N	13	W	I	NE	NE	NE				-98.602482	36.172603
5/25/1999	0.12	10.05			Major	32	20	N	13	W	I	NE	NE	NE				-98.602482	36.172603
7/7/1999	0.12	10.41			Major	32	20	N	13	W	I	NE	NE	NE				-98.602482	36.172603
11/1/1999		8.88			Major	32	20	N	13	W	I	NE	NE	NE				-98.602482	36.172603
3/14/2000		10.7			Major	32	20	N	13	W	I	NE	NE	NE				-98.602482	36.172603
6/26/2000	0.1	9.96			Major	32	20	N	13	W	I	NE	NE	NE				-98.602482	36.172603
10/24/2000	0.11	9.94			Major	32	20	N	13	W	I	NE	NE	NE				-98.602482	36.172603
1/22/2001	0.18	10.57			Major	32	20	N	13	W	I	NE	NE	NE				-98.602482	36.172603
5/30/2001	0.84	8.99			Major	32	20	N	13	W	I	NE	NE	NE				-98.602482	36.172603
7/17/2001	0.593	12.48			Major	32	20	N	13	W	I	NE	NE	NE				-98.602482	36.172603

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
12/15/2001	0.094	8.01			Major	32	20	N	13	W	I	NE	NE	NE				-98.602482	36.172603
3/19/2002	0.134	7.43			Major	32	20	N	13	W	I	NE	NE	NE				-98.602482	36.172603
6/24/2002	0.129	10.98			Major	32	20	N	13	W	I	NE	NE	NE				-98.602482	36.172603
8/13/2002	0.098	11.17			Major	32	20	N	13	W	I	NE	NE	NE				-98.602482	36.172603
3/13/1995		9.77			Major	29	20	N	13	W	I	SE	NE	SE				-98.602503	36.177999
8/13/1997	0.13	9.62			Major	29	20	N	13	W	I	SE	NE	SE				-98.602503	36.177999
6/17/1998	0.14	8.34			Major	29	20	N	13	W	I	SE	NE	SE				-98.602503	36.177999
11/5/1998	0.03	2.15			Major	29	20	N	13	W	I	SE	NE	SE				-98.602503	36.177999
4/1/1999	0.06	5.18			Major	29	20	N	13	W	I	SE	NE	SE				-98.602503	36.177999
5/25/1999	0.08	5.79			Major	29	20	N	13	W	I	SE	NE	SE				-98.602503	36.177999
7/7/1999	0.1	5.52			Major	29	20	N	13	W	I	SE	NE	SE				-98.602503	36.177999
11/1/1999		4.99			Major	29	20	N	13	W	I	SE	NE	SE				-98.602503	36.177999
3/14/2000		5			Major	29	20	N	13	W	I	SE	NE	SE				-98.602503	36.177999
6/26/2000	0.14	5.37			Major	29	20	N	13	W	I	SE	NE	SE				-98.602503	36.177999
10/24/2000	0.04	4.79			Major	29	20	N	13	W	I	SE	NE	SE				-98.602503	36.177999
1/22/2001	0.02	4.87			Major	29	20	N	13	W	I	SE	NE	SE				-98.602503	36.177999
5/30/2001	0.61	5.14			Major	29	20	N	13	W	I	SE	NE	SE				-98.602503	36.177999
7/17/2001	0.439	4.17			Major	29	20	N	13	W	I	SE	NE	SE				-98.602503	36.177999
12/15/2001	0.085	5.29			Major	29	20	N	13	W	I	SE	NE	SE				-98.602503	36.177999
3/19/2002	0.137	5.57			Major	29	20	N	13	W	I	SE	NE	SE				-98.602503	36.177999
6/24/2002	0.052	4.49			Major	29	20	N	13	W	I	SE	NE	SE				-98.602503	36.177999
8/13/2002	0.02	0.54			Major	29	20	N	13	W	I	SE	NE	SE				-98.602503	36.177999
6/1/1995	0.244	12.04			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987
8/14/1995	0.24	14.25			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987
9/11/1995	0.22	14.53			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987
10/18/1995	0.18	15.3			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987
9/9/1996	0.26	13.78			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987
8/13/1997	0.28	16.75			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987
10/16/1997	0.21	13.6			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987
6/17/1998	0.16	16.22			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987
11/5/1998	0.12	8.86			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
12/16/1998	0.19	16.83			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987
4/1/1999	0.38	17.24			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987
1/3/1999	0.2	18.01			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987
7/8/1999	0.06	16.82			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987
11/1/1999		16.09			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987
3/14/2000		16.43			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987
6/26/2000	0.2	17.49			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987
10/24/2000	0.15	17.53			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987
12/18/2000	0.14	17.42			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987
5/30/2001	0.86	17			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987
7/17/2001	0.195	19.73			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987
12/15/2001	0.12	16.87			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987
3/19/2002	0.141	14.79			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987
6/24/2002	0.164	16.39			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987
9/23/2002	0.18	16.15			Major	19	20	N	13	W	I	SW	SE	SE				-98.622497	36.188987
6/1/1995	0.18	14.74			Major	19	20	N	13	W	I	SW	SW	SE				-98.626916	36.188987
8/14/1995	0.06	15.86			Major	19	20	N	13	W	I	SW	SW	SE				-98.626916	36.188987
9/11/1995	0.12	12.52			Major	19	20	N	13	W	I	SW	SW	SE				-98.626916	36.188987
10/18/1995	0.12	15.44			Major	19	20	N	13	W	I	SW	SW	SE				-98.626916	36.188987
9/10/1996	0.13	6.68			Major	19	20	N	13	W	I	SW	SW	SE				-98.626916	36.188987
8/13/1997	0.18	10.9			Major	19	20	N	13	W	I	SW	SW	SE				-98.626916	36.188987
6/17/1998	0.1	11.66			Major	19	20	N	13	W	I	SW	SW	SE				-98.626916	36.188987
11/5/1998	0.08	4.13			Major	19	20	N	13	W	I	SW	SW	SE				-98.626916	36.188987
4/1/1999	0.14	9.6			Major	19	20	N	13	W	I	SW	SW	SE				-98.626916	36.188987
1/3/1999	0.12	9.91			Major	19	20	N	13	W	I	SW	SW	SE				-98.626916	36.188987
7/8/1999	0.06	10.35			Major	19	20	N	13	W	I	SW	SW	SE				-98.626916	36.188987
11/1/1999		8.63			Major	19	20	N	13	W	I	SW	SW	SE				-98.626916	36.188987
3/14/2000		8.12			Major	19	20	N	13	W	I	SW	SW	SE				-98.626916	36.188987
6/26/2000	0.12	11.18			Major	19	20	N	13	W	I	SW	SW	SE				-98.626916	36.188987
10/24/2000	0.09	9.43			Major	19	20	N	13	W	I	SW	SW	SE				-98.626916	36.188987
12/18/2000	0.1	8.8			Major	19	20	N	13	W	I	SW	SW	SE				-98.626916	36.188987

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
5/30/2001	0.23	10.42			Major	19	20	N	13	W	I	SW	SW	SE				-98.626916	36.188987
7/17/2001	0.097	11.35			Major	19	20	N	13	W	I	SW	SW	SE				-98.626916	36.188987
12/15/2001	0.068	8.02			Major	19	20	N	13	W	I	SW	SW	SE				-98.626916	36.188987
3/19/2002	0.115	7.79			Major	19	20	N	13	W	I	SW	SW	SE				-98.626916	36.188987
6/24/2002	0.115	7.64			Major	19	20	N	13	W	I	SW	SW	SE				-98.626916	36.188987
9/23/2002	0.135	8.55			Major	19	20	N	13	W	I	SW	SW	SE				-98.626916	36.188987
8/13/1997	0.17	14.87			Major	20	20	N	13	W	I	SW	NW	NW				-98.618098	36.199778
6/17/1998	0.12	14.35			Major	20	20	N	13	W	I	SW	NW	NW				-98.618098	36.199778
11/5/1998	0.05	3.42			Major	20	20	N	13	W	I	SW	NW	NW				-98.618098	36.199778
4/1/1999	0.14	13.32			Major	20	20	N	13	W	I	SW	NW	NW				-98.618098	36.199778
11/1/1999		11.87			Major	20	20	N	13	W	I	SW	NW	NW				-98.618098	36.199778
3/14/2000		15.51			Major	20	20	N	13	W	I	SW	NW	NW				-98.618098	36.199778
6/26/2000	0.1	15.57			Major	20	20	N	13	W	I	SW	NW	NW				-98.618098	36.199778
9/23/2000	0.13	16.75			Major	20	20	N	13	W	I	SW	NW	NW				-98.618098	36.199778
12/18/2000	0.08	12.46			Major	20	20	N	13	W	I	SW	NW	NW				-98.618098	36.199778
5/30/2001	0.12	12.94			Major	20	20	N	13	W	I	SW	NW	NW				-98.618098	36.199778
7/17/2001	0.411	14.25			Major	20	20	N	13	W	I	SW	NW	NW				-98.618098	36.199778
12/17/2001	0.059	11.47			Major	20	20	N	13	W	I	SW	NW	NW				-98.618098	36.199778
3/19/2002	0.104	11.39			Major	20	20	N	13	W	I	SW	NW	NW				-98.618098	36.199778
6/24/2002	0.116	11			Major	20	20	N	13	W	I	SW	NW	NW				-98.618098	36.199778
9/23/2002	0.129	11.73			Major	20	20	N	13	W	I	SW	NW	NW				-98.618098	36.199778
10/1/1997	0.12	3.13			Dewey	4	19	N	14	W	I	NW	NE	NE				-98.693485	36.158221
6/23/1998	0.1	3.27			Dewey	4	19	N	14	W	I	NW	NE	NE				-98.693485	36.158221
11/5/1998	0.07	1.48			Dewey	4	19	N	14	W	I	NW	NE	NE				-98.693485	36.158221
4/1/1999	0.16	6.94			Dewey	4	19	N	14	W	I	NW	NE	NE				-98.693485	36.158221
5/25/1999	0.14	6.51			Dewey	4	19	N	14	W	I	NW	NE	NE				-98.693485	36.158221
7/7/1999	0.1	6.28			Dewey	4	19	N	14	W	I	NW	NE	NE				-98.693485	36.158221
11/1/1999		5.87			Dewey	4	19	N	14	W	I	NW	NE	NE				-98.693485	36.158221
3/14/2000	0.12	6.74			Dewey	4	19	N	14	W	I	NW	NE	NE				-98.693485	36.158221
9/23/2000	0.16	4.39			Dewey	4	19	N	14	W	I	NW	NE	NE				-98.693485	36.158221
12/18/2000	0.1	6.34			Dewey	4	19	N	14	W	I	NW	NE	NE				-98.693485	36.158221

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5/30/2001	0.3	7.65			Dewey	4	19	N	14	W	I	NW	NE	NE				-98.693485	36.158221
7/17/2001	0.527	8.62			Dewey	4	19	N	14	W	I	NW	NE	NE				-98.693485	36.158221
12/11/2001	0.094	6.44			Dewey	4	19	N	14	W	I	NW	NE	NE				-98.693485	36.158221
3/30/2002	0.116	7.17			Dewey	4	19	N	14	W	I	NW	NE	NE				-98.693485	36.158221
6/24/2002	0.115	6.6			Dewey	4	19	N	14	W	I	NW	NE	NE				-98.693485	36.158221
8/13/2002	0.095	4.75			Dewey	4	19	N	14	W	I	NW	NE	NE				-98.693485	36.158221
10/1/1997	0.14	6.87			Dewey	31	20	N	14	W	I	SE	SW					-98.736364	36.16078
8/12/1998	0.11	7.67			Dewey	31	20	N	14	W	I	SE	SW					-98.736364	36.16078
12/3/1998	0.09	7.39			Dewey	31	20	N	14	W	I	SE	SW					-98.736364	36.16078
4/1/1999	0.14	6.56			Dewey	31	20	N	14	W	I	SE	SW					-98.736364	36.16078
5/27/1999	0.08	6.68			Dewey	31	20	N	14	W	I	SE	SW					-98.736364	36.16078
7/7/1999	0.1	6.55			Dewey	31	20	N	14	W	I	SE	SW					-98.736364	36.16078
11/1/1999		7.41			Dewey	31	20	N	14	W	I	SE	SW					-98.736364	36.16078
3/14/2000		6.04			Dewey	31	20	N	14	W	I	SE	SW					-98.736364	36.16078
6/26/2000	0.12	6.36			Dewey	31	20	N	14	W	I	SE	SW					-98.736364	36.16078
9/23/2000	0.14	7.03			Dewey	31	20	N	14	W	I	SE	SW					-98.736364	36.16078
5/30/2001	0.35	6.06			Dewey	31	20	N	14	W	I	SE	SW					-98.736364	36.16078
7/17/2001	0.433	6.76			Dewey	31	20	N	14	W	I	SE	SW					-98.736364	36.16078
12/17/2001	0.06	8.12			Dewey	31	20	N	14	W	I	SE	SW					-98.736364	36.16078
6/24/2002	0.093	6.22			Dewey	31	20	N	14	W	I	SE	SW					-98.736364	36.16078
9/23/2002	0.136	6.68			Dewey	31	20	N	14	W	I	SE	SW					-98.736364	36.16078
7/17/2001	0.119	14.37			Major	8	20	N	15	W	I	NW						-98.827695	36.227114
12/11/2001	0.033	14.68			Major	8	20	N	15	W	I	NW						-98.827695	36.227114
3/19/2002	0.053	15.59			Major	8	20	N	15	W	I	NW						-98.827695	36.227114
6/24/2002	0.053	15.75			Major	8	20	N	15	W	I	NW						-98.827695	36.227114
8/13/2002	0.038	16.13			Major	8	20	N	15	W	I	NW						-98.827695	36.227114
7/17/2001	0.502	19.68			Major	7	20	N	15	W	I	E	E					-98.834254	36.223522
12/11/2001	0.068	16.71			Major	7	20	N	15	W	I	E	E					-98.834254	36.223522
3/19/2002	0.074	16.35			Major	7	20	N	15	W	I	E	E					-98.834254	36.223522
12/8/1997	0.305	0.155			Murray	8	2	S	4	E	I	NW	NW					-96.913807	34.40304
7/28/1998	0.52	0.02			Murray	8	2	S	4	E	I	NW	NW					-96.913807	34.40304

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11/16/1998	0.26	0			Murray	8	2	S	4	E	I	NW	NW					-96.913807	34.40304
3/17/1999	2.86				Murray	8	2	S	4	E	I	NW	NW					-96.913807	34.40304
6/2/1999	1.57	0.02			Murray	8	2	S	4	E	I	NW	NW					-96.913807	34.40304
7/13/1999	0.91	0.06			Murray	8	2	S	4	E	I	NW	NW					-96.913807	34.40304
10/5/1999	0.95				Murray	8	2	S	4	E	I	NW	NW					-96.913807	34.40304
1/24/2000	0				Murray	8	2	S	4	E	I	NW	NW					-96.913807	34.40304
4/25/2000	0				Murray	8	2	S	4	E	I	NW	NW					-96.913807	34.40304
7/10/2000	0				Murray	8	2	S	4	E	I	NW	NW					-96.913807	34.40304
10/17/2000	0				Murray	8	2	S	4	E	I	NW	NW					-96.913807	34.40304
1/22/2001	0.73				Murray	8	2	S	4	E	I	NW	NW					-96.913807	34.40304
4/16/2001	0.2				Murray	8	2	S	4	E	I	NW	NW					-96.913807	34.40304
8/7/2001	0.77				Murray	8	2	S	4	E	I	NW	NW					-96.913807	34.40304
12/12/2001		17.15			Murray	8	2	S	4	E	I	NW	NW					-96.913807	34.40304
8/15/2002		0.68			Murray	8	2	S	4	E	I	NW	NW					-96.913807	34.40304
12/9/1997	0.57	0.09			Murray	17	2	S	4	E	I	SE	NW					-96.909342	34.38501
7/28/1998	0.65	0.02			Murray	17	2	S	4	E	I	SE	NW					-96.909342	34.38501
12/15/1998	2.63	0			Murray	17	2	S	4	E	I	SE	NW					-96.909342	34.38501
6/2/1999	1.9	0.02			Murray	17	2	S	4	E	I	SE	NW					-96.909342	34.38501
10/5/1999	1.57				Murray	17	2	S	4	E	I	SE	NW					-96.909342	34.38501
1/24/2000	1.44				Murray	17	2	S	4	E	I	SE	NW					-96.909342	34.38501
4/25/2000	0.88				Murray	17	2	S	4	E	I	SE	NW					-96.909342	34.38501
7/10/2000	1.31				Murray	17	2	S	4	E	I	SE	NW					-96.909342	34.38501
10/17/2000	0				Murray	17	2	S	4	E	I	SE	NW					-96.909342	34.38501
1/22/2001	0.84				Murray	17	2	S	4	E	I	SE	NW					-96.909342	34.38501
4/16/2001	1.09				Murray	17	2	S	4	E	I	SE	NW					-96.909342	34.38501
8/15/2002				Pump Down	Murray	17	2	S	4	E	I	SE	NW					-96.909342	34.38501
12/9/1997	0	0.08			Murray	20	2	S	4	E	I	SE	NW					-96.909252	34.370606
7/28/1998	0	0			Murray	20	2	S	4	E	I	SE	NW					-96.909252	34.370606
12/15/1998	0	0			Murray	20	2	S	4	E	I	SE	NW					-96.909252	34.370606
6/2/1999	2.23	0.02			Murray	20	2	S	4	E	I	SE	NW					-96.909252	34.370606
10/5/1999	0				Murray	20	2	S	4	E	I	SE	NW					-96.909252	34.370606

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
1/24/2000	0				Murray	20	2	S	4	E	I	SE	NW					-96.909252	34.370606
4/25/2000	0				Murray	20	2	S	4	E	I	SE	NW					-96.909252	34.370606
7/10/2000	0				Murray	20	2	S	4	E	I	SE	NW					-96.909252	34.370606
10/17/2000	0				Murray	20	2	S	4	E	I	SE	NW					-96.909252	34.370606
1/22/2001	0.2				Murray	20	2	S	4	E	I	SE	NW					-96.909252	34.370606
4/16/2001	0.2				Murray	20	2	S	4	E	I	SE	NW					-96.909252	34.370606
8/7/2001	0.44				Murray	20	2	S	4	E	I	SE	NW					-96.909252	34.370606
8/15/2002				Pump down	Murray	20	2	S	4	E	I	SE	NW					-96.909252	34.370606
12/9/1997	1.16	0.065			Murray	28	2	S	4	E	I	NW	SE					-96.887363	34.352397
7/28/1998	0.83	0			Murray	28	2	S	4	E	I	NW	SE					-96.887363	34.352397
12/15/1998	2.86	0			Murray	28	2	S	4	E	I	NW	SE					-96.887363	34.352397
6/2/1999	5.79	0.04			Murray	28	2	S	4	E	I	NW	SE					-96.887363	34.352397
7/13/1999	1.53	0.08			Murray	28	2	S	4	E	I	NW	SE					-96.887363	34.352397
10/5/1999	3.84				Murray	28	2	S	4	E	I	NW	SE					-96.887363	34.352397
1/24/2000	1.33				Murray	28	2	S	4	E	I	NW	SE					-96.887363	34.352397
4/25/2000	2.68				Murray	28	2	S	4	E	I	NW	SE					-96.887363	34.352397
7/10/2000	1.58				Murray	28	2	S	4	E	I	NW	SE					-96.887363	34.352397
10/17/2000	1.53				Murray	28	2	S	4	E	I	NW	SE					-96.887363	34.352397
1/22/2001	1.73				Murray	28	2	S	4	E	I	NW	SE					-96.887363	34.352397
2/5/2001	0.41				Murray	28	2	S	4	E	I	NW	SE					-96.887363	34.352397
4/16/2001	2.64				Murray	28	2	S	4	E	I	NW	SE					-96.887363	34.352397
8/7/2001	2.08				Murray	28	2	S	4	E	I	NW	SE					-96.887363	34.352397
8/15/2002				Pump Down	Murray	28	2	S	4	E	I	NW	SE					-96.887363	34.352397
12/11/1997	0	0.05			Johnston	8	3	S	4	E	I	SW	NW					-96.913694	34.312462
7/29/1998	0	0.85			Johnston	8	3	S	4	E	I	SW	NW					-96.913694	34.312462
11/16/1998	2.42	0			Johnston	8	3	S	4	E	I	SW	NW					-96.913694	34.312462
11/16/1998	2.45	0			Johnston	8	3	S	4	E	I	SW	NW					-96.913694	34.312462
3/17/1999	0.8	0.02			Johnston	8	3	S	4	E	I	SW	NW					-96.913694	34.312462
6/1/1999	0.33	0.02			Johnston	8	3	S	4	E	I	SW	NW					-96.913694	34.312462
11/1/1999				SPRING DRY THIS DATE	Johnston	8	3	S	4	E	I	SW	NW					-96.913694	34.312462

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
2/7/2000	0				Johnston	8	3	S	4	E	I	SW	NW					-96.913694	34.312462
5/8/2000	0				Johnston	8	3	S	4	E	I	SW	NW					-96.913694	34.312462
7/24/2000				SPRING DRY THIS DATE	Johnston	8	3	S	4	E	I	SW	NW					-96.913694	34.312462
8/15/2002		1.17			Johnston	8	3	S	4	E	I	SW	NW					-96.913694	34.312462
12/11/1997	0.68	0.17			Johnston	36	2	S	4	E	I	NE						-96.832603	34.343057
7/29/1998	0	0.04			Johnston	36	2	S	4	E	I	NE						-96.832603	34.343057
11/16/1998	3.49	0.04			Johnston	36	2	S	4	E	I	NE						-96.832603	34.343057
3/17/1999	2.49	0.16			Johnston	36	2	S	4	E	I	NE						-96.832603	34.343057
6/1/1999	0.99	0.02			Johnston	36	2	S	4	E	I	NE						-96.832603	34.343057
7/13/1999	0	0.14			Johnston	36	2	S	4	E	I	NE						-96.832603	34.343057
11/1/1999	0.22				Johnston	36	2	S	4	E	I	NE						-96.832603	34.343057
2/7/2000	0.55				Johnston	36	2	S	4	E	I	NE						-96.832603	34.343057
5/8/2000	0.43				Johnston	36	2	S	4	E	I	NE						-96.832603	34.343057
7/24/2000	0.29				Johnston	36	2	S	4	E	I	NE						-96.832603	34.343057
2/5/2001	4.03				Johnston	36	2	S	4	E	I	NE						-96.832603	34.343057
8/15/2002	1.04				Johnston	36	2	S	4	E	I	NE						-96.832603	34.343057
12/11/1997	0.7	0.07			Murray	31	2	S	4	E	I	NW						-96.928984	34.343442
7/29/1998	0.95	0.02			Murray	31	2	S	4	E	I	NW						-96.928984	34.343442
11/16/1998	4.07	0.02			Murray	31	2	S	4	E	I	NW						-96.928984	34.343442
3/17/1999	2.23	0.02			Murray	31	2	S	4	E	I	NW						-96.928984	34.343442
7/13/1999	0.5	0.02			Murray	31	2	S	4	E	I	NW						-96.928984	34.343442
11/1/1999	2.73				Murray	31	2	S	4	E	I	NW						-96.928984	34.343442
2/7/2000	0.75				Murray	31	2	S	4	E	I	NW						-96.928984	34.343442
5/8/2000	0.62				Murray	31	2	S	4	E	I	NW						-96.928984	34.343442
7/24/2000	1.62				Murray	31	2	S	4	E	I	NW						-96.928984	34.343442
2/5/2001		2.06			Murray	31	2	S	4	E	I	NW						-96.928984	34.343442
8/15/2002		1.131			Murray	31	2	S	4	E	I	NW						-96.928984	34.343442
12/11/1997	0.83	0.04			Murray	30	2	S	4	E	I	N	SW					-96.928948	34.352545
7/29/1998	0	0.6			Murray	30	2	S	4	E	I	N	SW					-96.928948	34.352545
11/16/1998	4.19	0.02			Murray	30	2	S	4	E	I	N	SW					-96.928948	34.352545

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
3/17/1999	2.61	0.02			Murray	30	2	S	4	E	I	N	SW					-96.928948	34.352545
6/1/1999	1.84	0.08			Murray	30	2	S	4	E	I	N	SW					-96.928948	34.352545
7/13/1999	1.81	0.04			Murray	30	2	S	4	E	I	N	SW					-96.928948	34.352545
11/1/1999	2.68				Murray	30	2	S	4	E	I	N	SW					-96.928948	34.352545
2/7/2000	0.79				Murray	30	2	S	4	E	I	N	SW					-96.928948	34.352545
5/8/2000	0				Murray	30	2	S	4	E	I	N	SW					-96.928948	34.352545
7/24/2000	0.5				Murray	30	2	S	4	E	I	N	SW					-96.928948	34.352545
2/5/2001	2.36				Murray	30	2	S	4	E	I	N	SW					-96.928948	34.352545
8/15/2002		0.64			Murray	30	2	S	4	E	I	N	SW					-96.928948	34.352545
12/11/1997	0.76	0.05			Johnston	6	3	S	4	E	I	E	SW					-96.926847	34.3216
7/28/1997	0.76	0.01			Johnston	6	3	S	4	E	I	E	SW					-96.926847	34.3216
11/12/1998	7.06	0			Johnston	6	3	S	4	E	I	E	SW					-96.926847	34.3216
12/2/1998	3.04	0.03			Johnston	6	3	S	4	E	I	E	SW					-96.926847	34.3216
3/17/1999	4.41	0.06			Johnston	6	3	S	4	E	I	E	SW					-96.926847	34.3216
6/1/1999	0.6	0.02			Johnston	6	3	S	4	E	I	E	SW					-96.926847	34.3216
7/13/1999	2.46	0.02			Johnston	6	3	S	4	E	I	E	SW					-96.926847	34.3216
10/29/1999	1.05				Johnston	6	3	S	4	E	I	E	SW					-96.926847	34.3216
3/9/2000	0.51				Johnston	6	3	S	4	E	I	E	SW					-96.926847	34.3216
8/3/2000	1.77				Johnston	6	3	S	4	E	I	E	SW					-96.926847	34.3216
1/31/2001	1.82				Johnston	6	3	S	4	E	I	E	SW					-96.926847	34.3216
12/27/2001		2.87			Johnston	6	3	S	4	E	I	E	SW					-96.926847	34.3216
4/4/2002		0.83			Johnston	6	3	S	4	E	I	E	SW					-96.926847	34.3216
8/8/2002		1.33			Johnston	6	3	S	4	E	I	E	SW					-96.926847	34.3216
12/11/1997	0.53	0.11			Johnston	6	3	S	4	E	I	SW	SW	SW				-96.932289	34.318864
7/28/1998	0	0.04			Johnston	6	3	S	4	E	I	SW	SW	SW				-96.932289	34.318864
11/12/1998	4.31	0.02			Johnston	6	3	S	4	E	I	SW	SW	SW				-96.932289	34.318864
12/2/1998	5.58	0.02			Johnston	6	3	S	4	E	I	SW	SW	SW				-96.932289	34.318864
3/17/1999	2.3	0.06			Johnston	6	3	S	4	E	I	SW	SW	SW				-96.932289	34.318864
6/1/1999	0.66	0.06			Johnston	6	3	S	4	E	I	SW	SW	SW				-96.932289	34.318864
7/13/1999	0	0.06			Johnston	6	3	S	4	E	I	SW	SW	SW				-96.932289	34.318864
10/29/1999	2.4				Johnston	6	3	S	4	E	I	SW	SW	SW				-96.932289	34.318864

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
8/3/2000	0.34				Johnston	6	3	S	4	E	I	SW	SW	SW				-96.932289	34.318864
10/26/2000	2.63				Johnston	6	3	S	4	E	I	SW	SW	SW				-96.932289	34.318864
1/31/2001	2.25				Johnston	6	3	S	4	E	I	SW	SW	SW				-96.932289	34.318864
12/27/2001		0.88			Johnston	6	3	S	4	E	I	SW	SW	SW				-96.932289	34.318864
4/4/2002		0.24			Johnston	6	3	S	4	E	I	SW	SW	SW				-96.932289	34.318864
8/8/2002		0.65			Johnston	6	3	S	4	E	I	SW	SW	SW				-96.932289	34.318864
12/10/1997	0.545	0.77			Murray	25	2	S	3	E	I	N	NE	NW				-96.944261	34.360647
7/29/1998	0	0.16			Murray	25	2	S	3	E	I	N	NE	NW				-96.944261	34.360647
11/12/1998	6.54	0.14			Murray	25	2	S	3	E	I	N	NE	NW				-96.944261	34.360647
12/2/1998	2.09	0.36			Murray	25	2	S	3	E	I	N	NE	NW				-96.944261	34.360647
3/17/1999	2.17	0.14			Murray	25	2	S	3	E	I	N	NE	NW				-96.944261	34.360647
6/2/1999	1.72	0.32			Murray	25	2	S	3	E	I	N	NE	NW				-96.944261	34.360647
7/12/1999	0.23	0.06			Murray	25	2	S	3	E	I	N	NE	NW				-96.944261	34.360647
10/29/1999	1.02				Murray	25	2	S	3	E	I	N	NE	NW				-96.944261	34.360647
3/9/2000	0.47				Murray	25	2	S	3	E	I	N	NE	NW				-96.944261	34.360647
8/3/2000	0.35				Murray	25	2	S	3	E	I	N	NE	NW				-96.944261	34.360647
10/26/2000	2.62				Murray	25	2	S	3	E	I	N	NE	NW				-96.944261	34.360647
1/31/2001	2.26				Murray	25	2	S	3	E	I	N	NE	NW				-96.944261	34.360647
12/27/2001		1.84			Murray	25	2	S	3	E	I	N	NE	NW				-96.944261	34.360647
4/4/2002		0.24			Murray	25	2	S	3	E	I	N	NE	NW				-96.944261	34.360647
8/8/2002		0.64			Murray	25	2	S	3	E	I	N	NE	NW				-96.944261	34.360647
12/8/1997	0	0.125			Murray	26	2	S	3	E	I	NE	NE	NE				-96.951915	34.360611
7/29/1998	0.68	0			Murray	26	2	S	3	E	I	NE	NE	NE				-96.951915	34.360611
11/12/1998	10.46	0.02			Murray	26	2	S	3	E	I	NE	NE	NE				-96.951915	34.360611
12/2/1998	10.8	0.04			Murray	26	2	S	3	E	I	NE	NE	NE				-96.951915	34.360611
3/17/1999	6.06	0.1			Murray	26	2	S	3	E	I	NE	NE	NE				-96.951915	34.360611
6/2/1999	5.61	0.02			Murray	26	2	S	3	E	I	NE	NE	NE				-96.951915	34.360611
7/12/1999	4.34	0.02			Murray	26	2	S	3	E	I	NE	NE	NE				-96.951915	34.360611
10/29/1999	0				Murray	26	2	S	3	E	I	NE	NE	NE				-96.951915	34.360611
8/3/2000	0.98				Murray	26	2	S	3	E	I	NE	NE	NE				-96.951915	34.360611
1/31/2001	0.2				Murray	26	2	S	3	E	I	NE	NE	NE				-96.951915	34.360611

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12/8/1997	1.612	0.09			Murray	27	2	S	3	E	I	NE	NE	NE				-96.969439	34.360505
7/29/1998	0.88	0			Murray	27	2	S	3	E	I	NE	NE	NE				-96.969439	34.360505
11/12/1998	0	0			Murray	27	2	S	3	E	I	NE	NE	NE				-96.969439	34.360505
3/17/1999	0	0.04			Murray	27	2	S	3	E	I	NE	NE	NE				-96.969439	34.360505
6/2/1999	3.82	0.02			Murray	27	2	S	3	E	I	NE	NE	NE				-96.969439	34.360505
7/12/1999	5.79	0.06			Murray	27	2	S	3	E	I	NE	NE	NE				-96.969439	34.360505
10/29/1999	0				Murray	27	2	S	3	E	I	NE	NE	NE				-96.969439	34.360505
3/9/2000	1.6				Murray	27	2	S	3	E	I	NE	NE	NE				-96.969439	34.360505
8/3/2000	1				Murray	27	2	S	3	E	I	NE	NE	NE				-96.969439	34.360505
10/26/2000	3.96				Murray	27	2	S	3	E	I	NE	NE	NE				-96.969439	34.360505
1/31/2001	1.46				Murray	27	2	S	3	E	I	NE	NE	NE				-96.969439	34.360505
12/27/2001		0.59			Murray	27	2	S	3	E	I	NE	NE	NE				-96.969439	34.360505
4/4/2002		0.31			Murray	27	2	S	3	E	I	NE	NE	NE				-96.969439	34.360505
8/8/2002		0.57			Murray	27	2	S	3	E	I	NE	NE	NE				-96.969439	34.360505
12/8/1997	1.34	0.12			Murray	14	2	S	3	E	I	SE	SE					-96.953128	34.377801
7/29/1998	0.2	0			Murray	14	2	S	3	E	I	SE	SE					-96.953128	34.377801
11/12/1998	1.11	0			Murray	14	2	S	3	E	I	SE	SE					-96.953128	34.377801
3/17/1999	0.73	0.02			Murray	14	2	S	3	E	I	SE	SE					-96.953128	34.377801
6/2/1999	0.8	0.04			Murray	14	2	S	3	E	I	SE	SE					-96.953128	34.377801
7/12/1999	0.88	0.02			Murray	14	2	S	3	E	I	SE	SE					-96.953128	34.377801
10/29/1999	1				Murray	14	2	S	3	E	I	SE	SE					-96.953128	34.377801
3/9/2000	0.79				Murray	14	2	S	3	E	I	SE	SE					-96.953128	34.377801
8/3/2000	0.65				Murray	14	2	S	3	E	I	SE	SE					-96.953128	34.377801
10/27/2000	0.93				Murray	14	2	S	3	E	I	SE	SE					-96.953128	34.377801
12/27/2001		1.84			Murray	14	2	S	3	E	I	SE	SE					-96.953128	34.377801
4/4/2002		0.36			Murray	14	2	S	3	E	I	SE	SE					-96.953128	34.377801
8/8/2002		0.84			Murray	14	2	S	3	E	I	SE	SE					-96.953128	34.377801
12/10/1997	1.55	1.28			Murray	11	2	S	3	E	I	NE	SE					-96.953178	34.395886
7/28/1998	1.63	0.86			Murray	11	2	S	3	E	I	NE	SE					-96.953178	34.395886
11/12/1998	0	0.02			Murray	11	2	S	3	E	I	NE	SE					-96.953178	34.395886
3/17/1999	0.2	0.04			Murray	11	2	S	3	E	I	NE	SE					-96.953178	34.395886

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6/2/1999	0.66	0.02			Murray	11	2	S	3	E	I	NE	SE					-96.953178	34.395886
7/12/1999	0.31	0.06			Murray	11	2	S	3	E	I	NE	SE					-96.953178	34.395886
10/29/1999	0				Murray	11	2	S	3	E	I	NE	SE					-96.953178	34.395886
3/9/2000	0				Murray	11	2	S	3	E	I	NE	SE					-96.953178	34.395886
8/3/2000	0.95				Murray	11	2	S	3	E	I	NE	SE					-96.953178	34.395886
10/26/2000	1.5				Murray	11	2	S	3	E	I	NE	SE					-96.953178	34.395886
1/31/2001	1.87				Murray	11	2	S	3	E	I	NE	SE					-96.953178	34.395886
12/27/2001		0.59			Murray	11	2	S	3	E	I	NE	SE					-96.953178	34.395886
4/4/2002		0.1			Murray	11	2	S	3	E	I	NE	SE					-96.953178	34.395886
8/8/2002		0.84			Murray	11	2	S	3	E	I	NE	SE					-96.953178	34.395886
12/8/1997	0	0.125			Murray	2	2	S	3	E	I	E	SW	SW				-96.965231	34.406696
7/28/1998	0.36	0.02			Murray	2	2	S	3	E	I	E	SW	SW				-96.965231	34.406696
11/12/1998	1.94	0			Murray	2	2	S	3	E	I	E	SW	SW				-96.965231	34.406696
3/17/1999	1.68	0.1			Murray	2	2	S	3	E	I	E	SW	SW				-96.965231	34.406696
6/2/1999	2.17	0.02			Murray	2	2	S	3	E	I	E	SW	SW				-96.965231	34.406696
7/12/1999	0.92	0.02			Murray	2	2	S	3	E	I	E	SW	SW				-96.965231	34.406696
10/29/1999	0.34				Murray	2	2	S	3	E	I	E	SW	SW				-96.965231	34.406696
3/9/2000	1.12				Murray	2	2	S	3	E	I	E	SW	SW				-96.965231	34.406696
8/3/2000	0.56				Murray	2	2	S	3	E	I	E	SW	SW				-96.965231	34.406696
10/26/2000	0.77				Murray	2	2	S	3	E	I	E	SW	SW				-96.965231	34.406696
1/31/2001	1.28				Murray	2	2	S	3	E	I	E	SW	SW				-96.965231	34.406696
12/27/2001		0.6			Murray	2	2	S	3	E	I	E	SW	SW				-96.965231	34.406696
4/14/2002		0.31			Murray	2	2	S	3	E	I	E	SW	SW				-96.965231	34.406696
8/8/2002		0.55			Murray	2	2	S	3	E	I	E	SW	SW				-96.965231	34.406696
12/10/1997	6.47	0.07			Murray	24	2	S	3	E	I	NW	NE					-96.939962	34.374206
12/10/1997	6.52	0.08			Murray	24	2	S	3	E	I	NW	NE					-96.939962	34.374206
7/29/1998	20.69	0			Murray	24	2	S	3	E	I	NW	NE					-96.939962	34.374206
11/12/1998	33.88	0.02			Murray	24	2	S	3	E	I	NW	NE					-96.939962	34.374206
12/2/1998	13.9	0			Murray	24	2	S	3	E	I	NW	NE					-96.939962	34.374206
12/2/1998	14.1	0			Murray	24	2	S	3	E	I	NW	NE					-96.939962	34.374206
3/17/1999	30.91	0.04			Murray	24	2	S	3	E	I	NW	NE					-96.939962	34.374206

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
7/12/1999	17.35	0.06			Murray	24	2	S	3	E	I	NW	NE					-96.939962	34.374206
10/29/1999	21.41				Murray	24	2	S	3	E	I	NW	NE					-96.939962	34.374206
3/9/2000	11.08				Murray	24	2	S	3	E	I	NW	NE					-96.939962	34.374206
8/3/2000	31.73				Murray	24	2	S	3	E	I	NW	NE					-96.939962	34.374206
10/26/2000	23.42				Murray	24	2	S	3	E	I	NW	NE					-96.939962	34.374206
1/31/2001	36.74				Murray	24	2	S	3	E	I	NW	NE					-96.939962	34.374206
12/27/2000		21.19			Murray	24	2	S	3	E	I	NW	NE					-96.939962	34.374206
4/4/2002		18.92			Murray	24	2	S	3	E	I	NW	NE					-96.939962	34.374206
8/8/2002		18.01			Murray	24	2	S	3	E	I	NW	NE					-96.939962	34.374206
9/12/1995	0.08				Hughes	8	8	N	9	E	I	SE	SE	SW				-96.381016	35.174784
10/10/1995	0.04	1.77			Hughes	8	8	N	9	E	I	SE	SE	SW				-96.381016	35.174784
11/7/1995	0.06	1.74			Hughes	8	8	N	9	E	I	SE	SE	SW				-96.381016	35.174784
12/5/1995	0.04	1.65			Hughes	8	8	N	9	E	I	SE	SE	SW				-96.381016	35.174784
8/14/1997	0.06	1.46			Hughes	8	8	N	9	E	I	SE	SE	SW				-96.381016	35.174784
6/30/1998	0.02	1.42			Hughes	8	8	N	9	E	I	SE	SE	SW				-96.381016	35.174784
11/3/1998	0.02	1.42			Hughes	8	8	N	9	E	I	SE	SE	SW				-96.381016	35.174784
4/28/1999	0.08	1.68			Hughes	8	8	N	9	E	I	SE	SE	SW				-96.381016	35.174784
6/14/1999	0.02	1.73			Hughes	8	8	N	9	E	I	SE	SE	SW				-96.381016	35.174784
7/26/1999	0.04	1.81			Hughes	8	8	N	9	E	I	SE	SE	SW				-96.381016	35.174784
10/20/1999		1.75			Hughes	8	8	N	9	E	I	SE	SE	SW				-96.381016	35.174784
2/29/2000		1.77			Hughes	8	8	N	9	E	I	SE	SE	SW				-96.381016	35.174784
6/20/2000		2.01			Hughes	8	8	N	9	E	I	SE	SE	SW				-96.381016	35.174784
11/14/2000		2.24			Hughes	8	8	N	9	E	I	SE	SE	SW				-96.381016	35.174784
2/27/2001		2.8			Hughes	8	8	N	9	E	I	SE	SE	SW				-96.381016	35.174784
12/12/2001		5.26			Hughes	8	8	N	9	E	I	SE	SE	SW				-96.381016	35.174784
3/27/2002		4.76			Hughes	8	8	N	9	E	I	SE	SE	SW				-96.381016	35.174784
6/10/2002		4.66			Hughes	8	8	N	9	E	I	SE	SE	SW				-96.381016	35.174784
8/7/2002		3.91			Hughes	8	8	N	9	E	I	SE	SE	SW				-96.381016	35.174784
10/21/2002		3.16			Hughes	8	8	N	9	E	I	SE	SE	SW				-96.381016	35.174784
6/13/1995	0.04	0			Pottawatomie	12	8	N	4	E	I	NE	NE	NE				-96.827552	35.187268
7/11/1995	0.02	0			Pottawatomie	12	8	N	4	E	I	NE	NE	NE				-96.827552	35.187268

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8/16/1995	0.06	0			Pottawatomie	12	8	N	4	E	I	NE	NE	NE				-96.827552	35.187268
7/1/1998	0.13	0.61			Pottawatomie	12	8	N	4	E	I	NE	NE	NE				-96.827552	35.187268
6/21/1999	0.04	0.28			Pottawatomie	12	8	N	4	E	I	NE	NE	NE				-96.827552	35.187268
6/13/1995	0.16	0			Pottawatomie	12	8	N	4	E	I	NE	SE	NE				-96.827557	35.183649
7/11/1995	0.1	0			Pottawatomie	12	8	N	4	E	I	NE	SE	NE				-96.827557	35.183649
8/16/1995	0.18	0.92			Pottawatomie	12	8	N	4	E	I	NE	SE	NE				-96.827557	35.183649
7/1/1998	0.13	0.61			Pottawatomie	12	8	N	4	E	I	NE	SE	NE				-96.827557	35.183649
6/28/1999	0.06	0			Pottawatomie	12	8	N	4	E	I	NE	SE	NE				-96.827557	35.183649
9/21/1993	0	0.97			Seminole	24	7	N	7	E	I	NE	NW	NW				-96.525686	35.071348
10/19/1993	0.02	0.84			Seminole	24	7	N	7	E	I	NE	NW	NW				-96.525686	35.071348
11/30/1993	0	0.22			Seminole	24	7	N	7	E	I	NE	NW	NW				-96.525686	35.071348
8/20/1997	0.04	0			Seminole	24	7	N	7	E	I	NE	NW	NW				-96.525686	35.071348
12/17/1997		0			Seminole	24	7	N	7	E	I	NE	NW	NW				-96.525686	35.071348
7/6/1998	0	0			Seminole	24	7	N	7	E	I	NE	NW	NW				-96.525686	35.071348
1/20/1999	0.05	0			Seminole	24	7	N	7	E	I	NE	NW	NW				-96.525686	35.071348
4/15/1999	0.02	0			Seminole	24	7	N	7	E	I	NE	NW	NW				-96.525686	35.071348
6/8/1999	0.06	0.2			Seminole	24	7	N	7	E	I	NE	NW	NW				-96.525686	35.071348
7/19/1999	0.02	0			Seminole	24	7	N	7	E	I	NE	NW	NW				-96.525686	35.071348
11/12/1999		0			Seminole	24	7	N	7	E	I	NE	NW	NW				-96.525686	35.071348
2/10/2000		0			Seminole	24	7	N	7	E	I	NE	NW	NW				-96.525686	35.071348
5/25/2000		0			Seminole	24	7	N	7	E	I	NE	NW	NW				-96.525686	35.071348
9/8/2000	0	0			Seminole	24	7	N	7	E	I	NE	NW	NW				-96.525686	35.071348
3/8/2001		0.5			Seminole	24	7	N	7	E	I	NE	NW	NW				-96.525686	35.071348
6/14/2001		0.3			Seminole	24	7	N	7	E	I	NE	NW	NW				-96.525686	35.071348
9/6/2001		0.5			Seminole	24	7	N	7	E	I	NE	NW	NW				-96.525686	35.071348
12/7/2001		0.52			Seminole	24	7	N	7	E	I	NE	NW	NW				-96.525686	35.071348
2/28/2002		0.15			Seminole	24	7	N	7	E	I	NE	NW	NW				-96.525686	35.071348
5/30/2002		0.52			Seminole	24	7	N	7	E	I	NE	NW	NW				-96.525686	35.071348
9/5/2002		0.54			Seminole	24	7	N	7	E	I	NE	NW	NW				-96.525686	35.071348
12/12/2002		0.55			Seminole	24	7	N	7	E	I	NE	NW	NW				-96.525686	35.071348
4/28/1992	0.02	0.65			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529

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5/26/1992	0.08	0.4			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529
6/29/1992		0.52			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529
7/28/1992		0.38			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529
8/31/1992	0.04	0.38			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529
9/28/1992	0.02	0.5			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529
8/19/1997	0	0.94			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529
7/6/1998	0.04	0.38			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529
11/20/1998	0.02	1.2			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529
4/15/1999	0.02	1.34			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529
6/7/1999	0.02	1.11			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529
7/21/1999	0.02	0.56			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529
11/12/1999		0.86			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529
2/17/2000		0.82			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529
5/31/2000		1.26			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529
9/8/2000	0	0.57			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529
3/9/2001		0.3			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529
6/21/2001		0.71			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529
9/6/2001		0.53			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529
12/7/2001		0.89			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529
2/28/2002		0.52			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529
5/30/2002		0.81			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529
9/5/2002		0.86			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529
12/12/2002		0.67			Seminole	21	9	N	8	E	I	NE	NE	NE				-96.460118	35.245529
11/1/1994	0.02	4.37			McClain	2	5	N	3	E	I	SE	SE	NE				-96.949423	34.935271
11/29/1994	0.02	5.28			McClain	2	5	N	3	E	I	SE	SE	NE				-96.949423	34.935271
12/20/1994	0.02	5.52			McClain	2	5	N	3	E	I	SE	SE	NE				-96.949423	34.935271
6/30/1998	0	4.34			McClain	2	5	N	3	E	I	SE	SE	NE				-96.949423	34.935271
6/9/1999	0.02	6.27			McClain	2	5	N	3	E	I	SE	SE	NE				-96.949423	34.935271
7/29/1999	0.02	5.67			McClain	2	5	N	3	E	I	SE	SE	NE				-96.949423	34.935271
10/27/1999		6.09			McClain	2	5	N	3	E	I	SE	SE	NE				-96.949423	34.935271
2/11/2000		4.56			McClain	2	5	N	3	E	I	SE	SE	NE				-96.949423	34.935271

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10/25/2000	5.75				McClain	2	5	N	3	E	I	SE	SE	NE				-96.949423	34.935271
2/20/2001		4.4			McClain	2	5	N	3	E	I	SE	SE	NE				-96.949423	34.935271
6/12/2001		4.7			McClain	2	5	N	3	E	I	SE	SE	NE				-96.949423	34.935271
12/19/2001		5.21			McClain	2	5	N	3	E	I	SE	SE	NE				-96.949423	34.935271
3/28/2002		5.8			McClain	2	5	N	3	E	I	SE	SE	NE				-96.949423	34.935271
6/3/2002		4.97			McClain	2	5	N	3	E	I	SE	SE	NE				-96.949423	34.935271
8/8/2002		4.78			McClain	2	5	N	3	E	I	SE	SE	NE				-96.949423	34.935271
12/2/2002		4.7			McClain	2	5	N	3	E	I	SE	SE	NE				-96.949423	34.935271
11/7/1994	0.04	0.34			Coal	28	3	N	9	E	I	NE	SW	SE				-96.360242	34.696987
12/6/1994	0.02	0.43			Coal	28	3	N	9	E	I	NE	SW	SE				-96.360242	34.696987
1/9/1995	0.04	0.26			Coal	28	3	N	9	E	I	NE	SW	SE				-96.360242	34.696987
8/21/1997	0.2	0.24			Coal	28	3	N	9	E	I	NE	SW	SE				-96.360242	34.696987
7/14/1998	0.08	0			Coal	28	3	N	9	E	I	NE	SW	SE				-96.360242	34.696987
12/4/1998	0.02	0.29			Coal	28	3	N	9	E	I	NE	SW	SE				-96.360242	34.696987
6/30/1999	0.12	0			Coal	28	3	N	9	E	I	NE	SW	SE				-96.360242	34.696987
7/28/1999	0.14	0.2			Coal	28	3	N	9	E	I	NE	SW	SE				-96.360242	34.696987
11/12/1999		0			Coal	28	3	N	9	E	I	NE	SW	SE				-96.360242	34.696987
2/25/2000		0.25			Coal	28	3	N	9	E	I	NE	SW	SE				-96.360242	34.696987
5/25/2000		0			Coal	28	3	N	9	E	I	NE	SW	SE				-96.360242	34.696987
9/8/2000	0	0			Coal	28	3	N	9	E	I	NE	SW	SE				-96.360242	34.696987
3/9/2001		0.8			Coal	28	3	N	9	E	I	NE	SW	SE				-96.360242	34.696987
6/14/2001		0.21			Coal	28	3	N	9	E	I	NE	SW	SE				-96.360242	34.696987
9/6/2001		0.46			Coal	28	3	N	9	E	I	NE	SW	SE				-96.360242	34.696987
12/7/2001		0.45			Coal	28	3	N	9	E	I	NE	SW	SE				-96.360242	34.696987
2/28/2002		0.1			Coal	28	3	N	9	E	I	NE	SW	SE				-96.360242	34.696987
5/30/2002		0.51			Coal	28	3	N	9	E	I	NE	SW	SE				-96.360242	34.696987
9/5/2002		0.1			Coal	28	3	N	9	E	I	NE	SW	SE				-96.360242	34.696987
12/12/2002		0.54			Coal	28	3	N	9	E	I	NE	SW	SE				-96.360242	34.696987
6/2/1993	0.04	1.67			Hughes	33	9	N	9	E	I	SW	SW	SE				-96.360489	35.203806
7/7/1993	0.02	1.47			Hughes	33	9	N	9	E	I	SW	SW	SE				-96.360489	35.203806
8/10/1993	0.04	1.4			Hughes	33	9	N	9	E	I	SW	SW	SE				-96.360489	35.203806

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8/19/1997	0.04	0.83			Hughes	33	9	N	9	E	I	SW	SW	SE				-96.360489	35.203806
7/13/1998	0.04	0.46			Hughes	33	9	N	9	E	I	SW	SW	SE				-96.360489	35.203806
12/4/1998	0.06	0.84			Hughes	33	9	N	9	E	I	SW	SW	SE				-96.360489	35.203806
3/31/1999	0.06	0.76			Hughes	33	9	N	9	E	I	SW	SW	SE				-96.360489	35.203806
6/7/1999	0.06	0.42			Hughes	33	9	N	9	E	I	SW	SW	SE				-96.360489	35.203806
7/19/1999	0.04	0.63			Hughes	33	9	N	9	E	I	SW	SW	SE				-96.360489	35.203806
11/12/1999		0.62			Hughes	33	9	N	9	E	I	SW	SW	SE				-96.360489	35.203806
2/17/1999		0			Hughes	33	9	N	9	E	I	SW	SW	SE				-96.360489	35.203806
5/31/2000		0.65			Hughes	33	9	N	9	E	I	SW	SW	SE				-96.360489	35.203806
9/8/2000	0	0.76			Hughes	33	9	N	9	E	I	SW	SW	SE				-96.360489	35.203806
3/9/2001		0.7			Hughes	33	9	N	9	E	I	SW	SW	SE				-96.360489	35.203806
6/21/2001		0.74			Hughes	33	9	N	9	E	I	SW	SW	SE				-96.360489	35.203806
9/28/2001		0.96			Hughes	33	9	N	9	E	I	SW	SW	SE				-96.360489	35.203806
12/7/2001		0.96			Hughes	33	9	N	9	E	I	SW	SW	SE				-96.360489	35.203806
2/28/2002		0.7			Hughes	33	9	N	9	E	I	SW	SW	SE				-96.360489	35.203806
9/5/2002		1.05			Hughes	33	9	N	9	E	I	SW	SW	SE				-96.360489	35.203806
12/12/2002		1.05			Hughes	33	9	N	9	E	I	SW	SW	SE				-96.360489	35.203806
6/2/1993	0.02	0			Seminole	11	5	N	7	E	I	SE	SE	NE				-96.530278	34.920936
7/7/1993	0.02	0			Seminole	11	5	N	7	E	I	SE	SE	NE				-96.530278	34.920936
8/10/1993	0.02	0			Seminole	11	5	N	7	E	I	SE	SE	NE				-96.530278	34.920936
8/20/1997	0.04	0			Seminole	11	5	N	7	E	I	SE	SE	NE				-96.530278	34.920936
7/6/1998	0.04	0.22			Seminole	11	5	N	7	E	I	SE	SE	NE				-96.530278	34.920936
12/1/1998	0	0			Seminole	11	5	N	7	E	I	SE	SE	NE				-96.530278	34.920936
4/19/1999	0.04	0.32			Seminole	11	5	N	7	E	I	SE	SE	NE				-96.530278	34.920936
6/10/1999	0.02	0			Seminole	11	5	N	7	E	I	SE	SE	NE				-96.530278	34.920936
7/20/1999	0.02	0.21			Seminole	11	5	N	7	E	I	SE	SE	NE				-96.530278	34.920936
10/27/1999		0			Seminole	11	5	N	7	E	I	SE	SE	NE				-96.530278	34.920936
3/2/2000		0			Seminole	11	5	N	7	E	I	SE	SE	NE				-96.530278	34.920936
8/11/2000		0			Seminole	11	5	N	7	E	I	SE	SE	NE				-96.530278	34.920936
3/27/2001	0.02				Seminole	11	5	N	7	E	I	SE	SE	NE				-96.530278	34.920936
6/11/2001		0.5			Seminole	11	5	N	7	E	I	SE	SE	NE				-96.530278	34.920936

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
12/12/2001		0.1			Seminole	11	5	N	7	E	I	SE	SE	NE				-96.530278	34.920936
6/10/2002		0.6			Seminole	11	5	N	7	E	I	SE	SE	NE				-96.530278	34.920936
8/7/2002		0.56			Seminole	11	5	N	7	E	I	SE	SE	NE				-96.530278	34.920936
10/21/2002		0.5			Seminole	11	5	N	7	E	I	SE	SE	NE				-96.530278	34.920936
6/13/1995	0.06	0.29			Pottawatomie	28	6	N	4	E	I	S	SE	SW				-96.890268	34.957825
7/11/1995	0.06	0.25			Pottawatomie	28	6	N	4	E	I	S	SE	SW				-96.890268	34.957825
8/16/1995	0.12	0.23			Pottawatomie	28	6	N	4	E	I	S	SE	SW				-96.890268	34.957825
8/27/1997	0.04	0			Pottawatomie	28	6	N	4	E	I	S	SE	SW				-96.890268	34.957825
2/24/1998		0			Pottawatomie	28	6	N	4	E	I	S	SE	SW				-96.890268	34.957825
7/1/1998	0.07	0			Pottawatomie	28	6	N	4	E	I	S	SE	SW				-96.890268	34.957825
11/20/1998	0.05	0			Pottawatomie	28	6	N	4	E	I	S	SE	SW				-96.890268	34.957825
2/12/1999	0.03	0			Pottawatomie	28	6	N	4	E	I	S	SE	SW				-96.890268	34.957825
4/29/1999	0.06	0.2			Pottawatomie	28	6	N	4	E	I	S	SE	SW				-96.890268	34.957825
7/15/1999	0.06	0			Pottawatomie	28	6	N	4	E	I	S	SE	SW				-96.890268	34.957825
10/13/1999		0			Pottawatomie	28	6	N	4	E	I	S	SE	SW				-96.890268	34.957825
6/20/2000		0			Pottawatomie	28	6	N	4	E	I	S	SE	SW				-96.890268	34.957825
2/20/2001		0.3			Pottawatomie	28	6	N	4	E	I	S	SE	SW				-96.890268	34.957825
12/19/2001		0.1			Pottawatomie	28	6	N	4	E	I	S	SE	SW				-96.890268	34.957825
6/3/2002		0.48			Pottawatomie	28	6	N	4	E	I	S	SE	SW				-96.890268	34.957825
8/19/2002		0.68			Pottawatomie	28	6	N	4	E	I	S	SE	SW				-96.890268	34.957825
12/2/2002		0.62			Pottawatomie	28	6	N	4	E	I	S	SE	SW				-96.890268	34.957825
6/13/1995	0.06	0.8			Pottawatomie	28	6	N	4	E	I	SE	SW	SW				-96.893577	34.957829
7/11/1995	0.1	0.74			Pottawatomie	28	6	N	4	E	I	SE	SW	SW				-96.893577	34.957829
8/16/1995	0.08	0.82			Pottawatomie	28	6	N	4	E	I	SE	SW	SW				-96.893577	34.957829
8/27/1997	0.03	0.97			Pottawatomie	28	6	N	4	E	I	SE	SW	SW				-96.893577	34.957829
7/1/1998	0.03	1.16			Pottawatomie	28	6	N	4	E	I	SE	SW	SW				-96.893577	34.957829
11/20/1998	0.02	0.86			Pottawatomie	28	6	N	4	E	I	SE	SW	SW				-96.893577	34.957829
6/9/1999	0.04	1.65			Pottawatomie	28	6	N	4	E	I	SE	SW	SW				-96.893577	34.957829
7/15/1999	0.04	1.6			Pottawatomie	28	6	N	4	E	I	SE	SW	SW				-96.893577	34.957829
10/13/1999		0			Pottawatomie	28	6	N	4	E	I	SE	SW	SW				-96.893577	34.957829
6/20/2000		1.5			Pottawatomie	28	6	N	4	E	I	SE	SW	SW				-96.893577	34.957829

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
2/20/2001		1.6			Pottawatomie	28	6	N	4	E	I	SE	SW	SW				-96.893577	34.957829
12/19/2001		1.74			Pottawatomie	28	6	N	4	E	I	SE	SW	SW				-96.893577	34.957829
6/3/2002		1.79			Pottawatomie	28	6	N	4	E	I	SE	SW	SW				-96.893577	34.957829
8/19/2002		1.85			Pottawatomie	28	6	N	4	E	I	SE	SW	SW				-96.893577	34.957829
12/2/2002		1.86			Pottawatomie	28	6	N	4	E	I	SE	SW	SW				-96.893577	34.957829
8/27/1997	0.09	0.33			Pottawatomie	33	6	N	4	E	I	NW	SE	SE				-96.882582	34.945095
2/24/1998		0			Pottawatomie	33	6	N	4	E	I	NW	SE	SE				-96.882582	34.945095
7/1/1998	0.08	0.44			Pottawatomie	33	6	N	4	E	I	NW	SE	SE				-96.882582	34.945095
12/15/1998	0.09	0.78			Pottawatomie	33	6	N	4	E	I	NW	SE	SE				-96.882582	34.945095
2/10/1999	0.07	0.29			Pottawatomie	33	6	N	4	E	I	NW	SE	SE				-96.882582	34.945095
4/29/1999	0.1	0.63			Pottawatomie	33	6	N	4	E	I	NW	SE	SE				-96.882582	34.945095
6/10/1999	0.02	0.71			Pottawatomie	33	6	N	4	E	I	NW	SE	SE				-96.882582	34.945095
7/15/1999	0.1	0.68			Pottawatomie	33	6	N	4	E	I	NW	SE	SE				-96.882582	34.945095
10/13/1999		0			Pottawatomie	33	6	N	4	E	I	NW	SE	SE				-96.882582	34.945095
6/20/2000		0.54			Pottawatomie	33	6	N	4	E	I	NW	SE	SE				-96.882582	34.945095
2/20/2001		0.8			Pottawatomie	33	6	N	4	E	I	NW	SE	SE				-96.882582	34.945095
12/19/2001		1.15			Pottawatomie	33	6	N	4	E	I	NW	SE	SE				-96.882582	34.945095
6/3/2002		1.3			Pottawatomie	33	6	N	4	E	I	NW	SE	SE				-96.882582	34.945095
8/19/2002		1.45			Pottawatomie	33	6	N	4	E	I	NW	SE	SE				-96.882582	34.945095
12/2/2002		1.4			Pottawatomie	33	6	N	4	E	I	NW	SE	SE				-96.882582	34.945095
8/27/1997	0	0.27			Pottawatomie	33	6	N	4	E	I	SE	SW	SE				-96.884795	34.943304
7/1/1998	0.02	0.25			Pottawatomie	33	6	N	4	E	I	SE	SW	SE				-96.884795	34.943304
4/29/1999	0.02	1.58			Pottawatomie	33	6	N	4	E	I	SE	SW	SE				-96.884795	34.943304
6/10/1999	0.02	0.36			Pottawatomie	33	6	N	4	E	I	SE	SW	SE				-96.884795	34.943304
7/15/1999	0.02	0.28			Pottawatomie	33	6	N	4	E	I	SE	SW	SE				-96.884795	34.943304
10/13/1999		0			Pottawatomie	33	6	N	4	E	I	SE	SW	SE				-96.884795	34.943304
6/20/2000		0.2			Pottawatomie	33	6	N	4	E	I	SE	SW	SE				-96.884795	34.943304
2/20/2001		0.4			Pottawatomie	33	6	N	4	E	I	SE	SW	SE				-96.884795	34.943304
12/19/2001		0.17			Pottawatomie	33	6	N	4	E	I	SE	SW	SE				-96.884795	34.943304
6/3/2002		0.52			Pottawatomie	33	6	N	4	E	I	SE	SW	SE				-96.884795	34.943304
8/19/2002		0.74			Pottawatomie	33	6	N	4	E	I	SE	SW	SE				-96.884795	34.943304

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12/2/2002		0.68			Pottawatomie	33	6	N	4	E	I	SE	SW	SE				-96.884795	34.943304
8/27/1992	0.02	4.23			Hughes	9	6	N	8	E	I	NE	NE	NW				-96.468932	35.013339
8/3/1993	0.06	1.38			Hughes	9	6	N	8	E	I	NE	NE	NW				-96.468932	35.013339
9/22/1993	0.14	2.89			Hughes	9	6	N	8	E	I	NE	NE	NW				-96.468932	35.013339
7/14/1998	0.06	0.46			Hughes	9	6	N	8	E	I	NE	NE	NW				-96.468932	35.013339
10/18/1994	0.02	0			Okfuskee	35	10	N	9	E	I	SE	NE	SE				-96.318422	35.294514
11/29/1994	0.02	0			Okfuskee	35	10	N	9	E	I	SE	NE	SE				-96.318422	35.294514
1/10/1995	0.04	0			Okfuskee	35	10	N	9	E	I	SE	NE	SE				-96.318422	35.294514
8/18/1997	0	0			Okfuskee	35	10	N	9	E	I	SE	NE	SE				-96.318422	35.294514
7/9/1998	0	0			Okfuskee	35	10	N	9	E	I	SE	NE	SE				-96.318422	35.294514
12/7/1998	0	0			Okfuskee	35	10	N	9	E	I	SE	NE	SE				-96.318422	35.294514
3/29/1999	0.1	0			Okfuskee	35	10	N	9	E	I	SE	NE	SE				-96.318422	35.294514
6/7/1999	0.02	0			Okfuskee	35	10	N	9	E	I	SE	NE	SE				-96.318422	35.294514
7/27/1999	0.02	0			Okfuskee	35	10	N	9	E	I	SE	NE	SE				-96.318422	35.294514
12/20/2001		0.35			Okfuskee	35	10	N	9	E	I	SE	NE	SE				-96.318422	35.294514
2/14/2000		0			Okfuskee	35	10	N	9	E	I	SE	NE	SE				-96.318422	35.294514
5/24/2000		0.44			Okfuskee	35	10	N	9	E	I	SE	NE	SE				-96.318422	35.294514
7/31/2000		0			Okfuskee	35	10	N	9	E	I	SE	NE	SE				-96.318422	35.294514
1/5/2001		0.2			Okfuskee	35	10	N	9	E	I	SE	NE	SE				-96.318422	35.294514
4/9/2001		0.2			Okfuskee	35	10	N	9	E	I	SE	NE	SE				-96.318422	35.294514
11/5/2001		0.4			Okfuskee	35	10	N	9	E	I	SE	NE	SE				-96.318422	35.294514
3/29/2002		0.1			Okfuskee	35	10	N	9	E	I	SE	NE	SE				-96.318422	35.294514
5/24/2002		0.53			Okfuskee	35	10	N	9	E	I	SE	NE	SE				-96.318422	35.294514
9/5/2002		0.1			Okfuskee	35	10	N	9	E	I	SE	NE	SE				-96.318422	35.294514
12/5/2002		0.58			Okfuskee	35	10	N	9	E	I	SE	NE	SE				-96.318422	35.294514
10/18/2001	0.02	3.37			Okfuskee	35	10	N	9	E	I	SE	SE	SE				-96.318411	35.290871
11/29/1994	0.04	3.07			Okfuskee	35	10	N	9	E	I	SE	SE	SE				-96.318411	35.290871
1/10/1995	0.02	3.9			Okfuskee	35	10	N	9	E	I	SE	SE	SE				-96.318411	35.290871
8/18/1997	0.08	3.05			Okfuskee	35	10	N	9	E	I	SE	SE	SE				-96.318411	35.290871
7/9/1998	0.04	2.69			Okfuskee	35	10	N	9	E	I	SE	SE	SE				-96.318411	35.290871
12/7/1998	0.04	3.27			Okfuskee	35	10	N	9	E	I	SE	SE	SE				-96.318411	35.290871

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3/29/1999	0.04	3.16			Okfuskee	35	10	N	9	E	I	SE	SE	SE				-96.318411	35.290871
6/7/1999	0.04	3.1			Okfuskee	35	10	N	9	E	I	SE	SE	SE				-96.318411	35.290871
7/26/1999	0.04	3			Okfuskee	35	10	N	9	E	I	SE	SE	SE				-96.318411	35.290871
12/20/1999		3.01			Okfuskee	35	10	N	9	E	I	SE	SE	SE				-96.318411	35.290871
2/14/2000		3.26			Okfuskee	35	10	N	9	E	I	SE	SE	SE				-96.318411	35.290871
5/25/2000		2.95			Okfuskee	35	10	N	9	E	I	SE	SE	SE				-96.318411	35.290871
7/31/2000		3.17			Okfuskee	35	10	N	9	E	I	SE	SE	SE				-96.318411	35.290871
1/5/2001		3.09			Okfuskee	35	10	N	9	E	I	SE	SE	SE				-96.318411	35.290871
4/9/2001		2.76			Okfuskee	35	10	N	9	E	I	SE	SE	SE				-96.318411	35.290871
11/5/2001		2.74			Okfuskee	35	10	N	9	E	I	SE	SE	SE				-96.318411	35.290871
3/29/2002		3.03			Okfuskee	35	10	N	9	E	I	SE	SE	SE				-96.318411	35.290871
5/24/2002		2.76			Okfuskee	35	10	N	9	E	I	SE	SE	SE				-96.318411	35.290871
9/5/2002		2.67			Okfuskee	35	10	N	9	E	I	SE	SE	SE				-96.318411	35.290871
12/5/2002		2.74			Okfuskee	35	10	N	9	E	I	SE	SE	SE				-96.318411	35.290871
1/5/1994		0.23			Hughes	14	4	N	10	E	I	NE	SE	SE				-96.215244	34.813146
2/1/1994	0	0.2			Hughes	14	4	N	10	E	I	NE	SE	SE				-96.215244	34.813146
3/8/1994	0.04	0.28			Hughes	14	4	N	10	E	I	NE	SE	SE				-96.215244	34.813146
2/15/1995	0.04	10			Hughes	2	4	N	10	E	I	SW	SW	SW				-96.230615	34.840306
3/22/1995	0.04	9.76			Hughes	2	4	N	10	E	I	SW	SW	SW				-96.230615	34.840306
4/14/1995	0.1	9.22			Hughes	2	4	N	10	E	I	SW	SW	SW				-96.230615	34.840306
8/21/1997	0	8.56			Hughes	2	4	N	10	E	I	SW	SW	SW				-96.230615	34.840306
7/14/1998	0.26	11.35			Hughes	2	4	N	10	E	I	SW	SW	SW				-96.230615	34.840306
12/1/1998	0	10			Hughes	2	4	N	10	E	I	SW	SW	SW				-96.230615	34.840306
4/14/1999	0.06	11.17			Hughes	2	4	N	10	E	I	SW	SW	SW				-96.230615	34.840306
6/15/1999	0.04	0			Hughes	2	4	N	10	E	I	SW	SW	SW				-96.230615	34.840306
7/20/1999	0.12	0			Hughes	2	4	N	10	E	I	SW	SW	SW				-96.230615	34.840306
10/26/1999		13.53			Hughes	2	4	N	10	E	I	SW	SW	SW				-96.230615	34.840306
3/1/2000		11.65			Hughes	2	4	N	10	E	I	SW	SW	SW				-96.230615	34.840306
8/10/2000		11.89			Hughes	2	4	N	10	E	I	SW	SW	SW				-96.230615	34.840306
4/3/2001		12.3			Hughes	2	4	N	10	E	I	SW	SW	SW				-96.230615	34.840306
6/19/2001		9.9			Hughes	2	4	N	10	E	I	SW	SW	SW				-96.230615	34.840306

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3/27/2002		12.27			Hughes	2	4	N	10	E	I	SW	SW	SW				-96.230615	34.840306
6/10/2002		15.35			Hughes	2	4	N	10	E	I	SW	SW	SW				-96.230615	34.840306
8/19/2002		21.49			Hughes	2	4	N	10	E	I	SW	SW	SW				-96.230615	34.840306
10/28/2002		18.64			Hughes	2	4	N	10	E	I	SW	SW	SW				-96.230615	34.840306
11/1/1994	0.04	0			McClain	10	5	N	3	E	I	SE	SE	SE				-96.966916	34.913625
11/29/1994	0.04	0			McClain	10	5	N	3	E	I	SE	SE	SE				-96.966916	34.913625
12/20/1994	0.04	0			McClain	10	5	N	3	E	I	SE	SE	SE				-96.966916	34.913625
8/27/1997	0.02	0			McClain	10	5	N	3	E	I	SE	SE	SE				-96.966916	34.913625
6/30/1998	0	0			McClain	10	5	N	3	E	I	SE	SE	SE				-96.966916	34.913625
12/1/1998	0.03	0			McClain	10	5	N	3	E	I	SE	SE	SE				-96.966916	34.913625
4/29/1999	0.08	0.21			McClain	10	5	N	3	E	I	SE	SE	SE				-96.966916	34.913625
6/8/1999	0.02	0.59			McClain	10	5	N	3	E	I	SE	SE	SE				-96.966916	34.913625
7/29/1999	0.04	0.38			McClain	10	5	N	3	E	I	SE	SE	SE				-96.966916	34.913625
10/20/1999		0			McClain	10	5	N	3	E	I	SE	SE	SE				-96.966916	34.913625
2/11/2000		0.2			McClain	10	5	N	3	E	I	SE	SE	SE				-96.966916	34.913625
11/7/2000		0.41			McClain	10	5	N	3	E	I	SE	SE	SE				-96.966916	34.913625
2/20/2001		0.3			McClain	10	5	N	3	E	I	SE	SE	SE				-96.966916	34.913625
6/12/2001		0.7			McClain	10	5	N	3	E	I	SE	SE	SE				-96.966916	34.913625
12/19/2001	0.1				McClain	10	5	N	3	E	I	SE	SE	SE				-96.966916	34.913625
3/28/2002		0.33			McClain	10	5	N	3	E	I	SE	SE	SE				-96.966916	34.913625
6/3/2002		0.61			McClain	10	5	N	3	E	I	SE	SE	SE				-96.966916	34.913625
8/8/2002		0.71			McClain	10	5	N	3	E	I	SE	SE	SE				-96.966916	34.913625
12/2/2002		0.73			McClain	10	5	N	3	E	I	SE	SE	SE				-96.966916	34.913625
2/14/1994	0.69	4.02			Coal	23	1	S	8	E	I	SW	SW	SW				-96.440861	34.448372
3/30/1994	0.68	0.38			Coal	23	1	S	8	E	I	SW	SW	SW				-96.440861	34.448372
8/21/1997	0.25	0.2			Coal	23	1	S	8	E	I	SW	SW	SW				-96.440861	34.448372
7/27/1998	0.3	0			Coal	23	1	S	8	E	I	SW	SW	SW				-96.440861	34.448372
12/1/1998	1.52	2.09			Coal	23	1	S	8	E	I	SW	SW	SW				-96.440861	34.448372
4/27/1999	0.8	0.68			Coal	23	1	S	8	E	I	SW	SW	SW				-96.440861	34.448372
6/28/1999	0.7	1.24			Coal	23	1	S	8	E	I	SW	SW	SW				-96.440861	34.448372
7/28/1999	0.02	0			Coal	23	1	S	8	E	I	SW	SW	SW				-96.440861	34.448372

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
10/6/1999		0			Coal	23	1	S	8	E	I	SW	SW	SW				-96.440861	34.448372
3/24/2000		0.24			Coal	23	1	S	8	E	I	SW	SW	SW				-96.440861	34.448372
8/10/2000		0			Coal	23	1	S	8	E	I	SW	SW	SW				-96.440861	34.448372
10/25/2000	0.31				Coal	23	1	S	8	E	I	SW	SW	SW				-96.440861	34.448372
2/6/2001		5.27			Coal	23	1	S	8	E	I	SW	SW	SW				-96.440861	34.448372
5/30/2001		1.8			Coal	23	1	S	8	E	I	SW	SW	SW				-96.440861	34.448372
12/12/2001		0.12			Coal	23	1	S	8	E	I	SW	SW	SW				-96.440861	34.448372
3/27/2002		1.2			Coal	23	1	S	8	E	I	SW	SW	SW				-96.440861	34.448372
6/3/2002		0.47			Coal	23	1	S	8	E	I	SW	SW	SW				-96.440861	34.448372
8/8/2002		0.63			Coal	23	1	S	8	E	I	SW	SW	SW				-96.440861	34.448372
10/28/2002		0.92			Coal	23	1	S	8	E	I	SW	SW	SW				-96.440861	34.448372
11/1/1994	0.02	0			McClain	14	5	N	3	E	I	NW	NW	NW				-96.964726	34.911809
11/29/1994	0.02	0			McClain	14	5	N	3	E	I	NW	NW	NW				-96.964726	34.911809
12/20/1994	0.04	0			McClain	14	5	N	3	E	I	NW	NW	NW				-96.964726	34.911809
11/3/1998	0.02	0.88			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059
6/16/1999	0.04	0			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059
7/28/1999	0.02	0			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059
11/2/1999		1.03			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059
3/24/2000		0.83			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059
10/27/2000		1.03			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059
2/6/2001		0.93			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059
5/30/2001		1.15			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059
12/12/2001		0.89			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059
6/3/2002		1.05			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059
8/7/2002		1.21			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059
10/28/2002		1.16			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059
11/3/1998	0	1.9			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059
6/16/1999	0.04	0			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059
7/28/1999	0.02	0			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059
11/2/1999		0			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059
3/24/2000		0			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
10/25/2000		0			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059
2/6/2001		0.2			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059
5/30/2000		0.5			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059
12/12/2001		0.1			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059
6/3/2002		0.34			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059
8/7/2002		0.1			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059
10/28/2002		0.69			Pontotoc	9	2	N	6	E	I	SE	SE	NE				-96.671118	34.659059
8/23/1994	0.12	20.3			Pottawatomie	25	9	N	2	E	I	SE	SW	SW				-97.050256	35.218261
9/27/1994	0.06	20.33			Pottawatomie	25	9	N	2	E	I	SE	SW	SW				-97.050256	35.218261
11/1/1994	0.3	20.25			Pottawatomie	25	9	N	2	E	I	SE	SW	SW				-97.050256	35.218261
8/14/1997	0.14	29.65			Pottawatomie	25	9	N	2	E	I	SE	SW	SW				-97.050256	35.218261
10/16/1997	0.1	20.1			Pottawatomie	25	9	N	2	E	I	SE	SW	SW				-97.050256	35.218261
6/30/1998	0.08	13.01			Pottawatomie	25	9	N	2	E	I	SE	SW	SW				-97.050256	35.218261
12/15/1998	0.09	20.01			Pottawatomie	25	9	N	2	E	I	SE	SW	SW				-97.050256	35.218261
4/28/1999	0.16	16.96			Pottawatomie	25	9	N	2	E	I	SE	SW	SW				-97.050256	35.218261
6/14/1999	0.08	17.02			Pottawatomie	25	9	N	2	E	I	SE	SW	SW				-97.050256	35.218261
7/22/1999	0.14	17.43			Pottawatomie	25	9	N	2	E	I	SE	SW	SW				-97.050256	35.218261
10/20/1999		19.03			Pottawatomie	25	9	N	2	E	I	SE	SW	SW				-97.050256	35.218261
2/29/2000		20.4			Pottawatomie	25	9	N	2	E	I	SE	SW	SW				-97.050256	35.218261
3/24/2000		18.47			Pottawatomie	25	9	N	2	E	I	SE	SW	SW				-97.050256	35.218261
6/20/2000		20.08			Pottawatomie	25	9	N	2	E	I	SE	SW	SW				-97.050256	35.218261
11/14/2000		19.29			Pottawatomie	25	9	N	2	E	I	SE	SW	SW				-97.050256	35.218261
2/27/2001		18.3			Pottawatomie	25	9	N	2	E	I	SE	SW	SW				-97.050256	35.218261
12/19/2001		18.46			Pottawatomie	25	9	N	2	E	I	SE	SW	SW				-97.050256	35.218261
3/28/2002		18.5			Pottawatomie	25	9	N	2	E	I	SE	SW	SW				-97.050256	35.218261
6/19/2002		18.53			Pottawatomie	25	9	N	2	E	I	SE	SW	SW				-97.050256	35.218261
8/21/2002		17.7			Pottawatomie	25	9	N	2	E	I	SE	SW	SW				-97.050256	35.218261
12/13/2002				No Power to well, unable to sample	Pottawatomie	25	9	N	2	E	I	SE	SW	SW				-97.050256	35.218261
4/28/1992	0.02	0.58			Seminole	27	9	N	8	E	I	NE	SE	SE				-96.44235	35.220026
5/26/1992	0.08	0.95			Seminole	27	9	N	8	E	I	NE	SE	SE				-96.44235	35.220026

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6/29/1992		1.97			Seminole	27	9	N	8	E	I	NE	SE	SE				-96.44235	35.220026
7/28/1992		0.74			Seminole	27	9	N	8	E	I	NE	SE	SE				-96.44235	35.220026
8/31/1992	0.12	1.49			Seminole	27	9	N	8	E	I	NE	SE	SE				-96.44235	35.220026
9/28/1992	0.02	1.07			Seminole	27	9	N	8	E	I	NE	SE	SE				-96.44235	35.220026
7/6/1998	0	1.27			Seminole	27	9	N	8	E	I	NE	SE	SE				-96.44235	35.220026
1/29/1999	0.06	1.16			Seminole	27	9	N	8	E	I	NE	SE	SE				-96.44235	35.220026
4/28/1999	0.04	1.54			Seminole	27	9	N	8	E	I	NE	SE	SE				-96.44235	35.220026
6/21/1999	0.02				Seminole	27	9	N	8	E	I	NE	SE	SE				-96.44235	35.220026
7/28/1999	0.04	1.35			Seminole	27	9	N	8	E	I	NE	SE	SE				-96.44235	35.220026
11/12/1999		0			Seminole	27	9	N	8	E	I	NE	SE	SE				-96.44235	35.220026
2/17/2000		0			Seminole	27	9	N	8	E	I	NE	SE	SE				-96.44235	35.220026
5/31/2000		0.78			Seminole	27	9	N	8	E	I	NE	SE	SE				-96.44235	35.220026
9/8/2000	0	0.87			Seminole	27	9	N	8	E	I	NE	SE	SE				-96.44235	35.220026
3/9/2001		2.9			Seminole	27	9	N	8	E	I	NE	SE	SE				-96.44235	35.220026
6/21/2001		2.2			Seminole	27	9	N	8	E	I	NE	SE	SE				-96.44235	35.220026
9/6/2001		0.9			Seminole	27	9	N	8	E	I	NE	SE	SE				-96.44235	35.220026
12/7/2001		0.84			Seminole	27	9	N	8	E	I	NE	SE	SE				-96.44235	35.220026
2/28/2002		0.31			Seminole	27	9	N	8	E	I	NE	SE	SE				-96.44235	35.220026
5/30/2002		1.3			Seminole	27	9	N	8	E	I	NE	SE	SE				-96.44235	35.220026
9/5/2002		0.96			Seminole	27	9	N	8	E	I	NE	SE	SE				-96.44235	35.220026
12/12/2002		0.94			Seminole	27	9	N	8	E	I	NE	SE	SE				-96.44235	35.220026
4/28/1992	0.02	0.2			Hughes	26	9	N	8	E	I	SE	SW	SE				-96.429088	35.218228
5/26/1992	0.08	0.82			Hughes	26	9	N	8	E	I	SE	SW	SE				-96.429088	35.218228
6/29/1992		0.2			Hughes	26	9	N	8	E	I	SE	SW	SE				-96.429088	35.218228
7/28/1992		0.2			Hughes	26	9	N	8	E	I	SE	SW	SE				-96.429088	35.218228
8/31/1992	0.04	0.64			Hughes	26	9	N	8	E	I	SE	SW	SE				-96.429088	35.218228
9/28/1992	0.02	0.35			Hughes	26	9	N	8	E	I	SE	SW	SE				-96.429088	35.218228
8/19/1997	0	0.59			Hughes	26	9	N	8	E	I	SE	SW	SE				-96.429088	35.218228
11/6/1998	0	0			Hughes	26	9	N	8	E	I	SE	SW	SE				-96.429088	35.218228
3/31/1999	0.02	0			Hughes	26	9	N	8	E	I	SE	SW	SE				-96.429088	35.218228
6/7/1999	0.02	0			Hughes	26	9	N	8	E	I	SE	SW	SE				-96.429088	35.218228

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7/21/1999	0.02	0			Hughes	26	9	N	8	E	I	SE	SW	SE				-96.429088	35.218228
11/12/1999		0			Hughes	26	9	N	8	E	I	SE	SW	SE				-96.429088	35.218228
2/17/2000		0			Hughes	26	9	N	8	E	I	SE	SW	SE				-96.429088	35.218228
5/31/2000		0			Hughes	26	9	N	8	E	I	SE	SW	SE				-96.429088	35.218228
9/8/2000	0	0			Hughes	26	9	N	8	E	I	SE	SW	SE				-96.429088	35.218228
3/9/2001		0.2			Hughes	26	9	N	8	E	I	SE	SW	SE				-96.429088	35.218228
6/21/2001		0.2			Hughes	26	9	N	8	E	I	SE	SW	SE				-96.429088	35.218228
9/6/2001		0.53			Hughes	26	9	N	8	E	I	SE	SW	SE				-96.429088	35.218228
12/7/2001		0.1			Hughes	26	9	N	8	E	I	SE	SW	SE				-96.429088	35.218228
2/28/2002		0.1			Hughes	26	9	N	8	E	I	SE	SW	SE				-96.429088	35.218228
5/30/2002		0.82			Hughes	26	9	N	8	E	I	SE	SW	SE				-96.429088	35.218228
9/5/2002		0.48			Hughes	26	9	N	8	E	I	SE	SW	SE				-96.429088	35.218228
12/12/2002		0.5			Hughes	26	9	N	8	E	I	SE	SW	SE				-96.429088	35.218228
4/28/1992	0.09	0.2			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236
5/26/1992	0.08	0.31			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236
7/9/1992		0.2			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236
7/28/1992		0.2			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236
8/31/1992	0.1	0.2			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236
9/28/1992	0.02	0.2			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236
8/19/1997	0.04	0			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236
7/13/1998	0.06	0			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236
11/6/1998	0.02	0			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236
3/31/1999	0.04	0			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236
6/7/1999	0.04	0			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236
7/21/1999	0.02	0			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236
11/12/1999		0			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236
2/17/2000		0			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236
5/31/2000		0			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236
9/8/2000	0	0			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236
3/9/2001		0.3			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236
6/21/2001		0.2			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236

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9/6/2001		0.45			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236
12/7/2001		0.62			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236
2/28/2002		0.1			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236
5/30/2000		0.1			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236
9/5/2002		0.1			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236
12/12/2002		0.56			Hughes	26	8	N	8	E	I	SE	SE	SE				-96.424774	35.131236
9/21/1993	0	0			Okfuskee	36	11	N	8	E	I	SW	NW	SW				-96.422429	35.38196
10/19/1993	0.02	0			Okfuskee	36	11	N	8	E	I	SW	NW	SW				-96.422429	35.38196
11/30/1993	0	0			Okfuskee	36	11	N	8	E	I	SW	NW	SW				-96.422429	35.38196
8/18/1997	0.43	0			Okfuskee	36	11	N	8	E	I	SW	NW	SW				-96.422429	35.38196
7/9/1998	0.03	0			Okfuskee	36	11	N	8	E	I	SW	NW	SW				-96.422429	35.38196
12/7/1998	0.04	0.23			Okfuskee	36	11	N	8	E	I	SW	NW	SW				-96.422429	35.38196
3/29/1999	0.08	0			Okfuskee	36	11	N	8	E	I	SW	NW	SW				-96.422429	35.38196
6/14/1999	0.02	0.22			Okfuskee	36	11	N	8	E	I	SW	NW	SW				-96.422429	35.38196
7/28/1999	0.02	0			Okfuskee	36	11	N	8	E	I	SW	NW	SW				-96.422429	35.38196
12/20/1999		0.39			Okfuskee	36	11	N	8	E	I	SW	NW	SW				-96.422429	35.38196
2/14/2000		0			Okfuskee	36	11	N	8	E	I	SW	NW	SW				-96.422429	35.38196
5/24/2000		0.47			Okfuskee	36	11	N	8	E	I	SW	NW	SW				-96.422429	35.38196
7/31/2000		0			Okfuskee	36	11	N	8	E	I	SW	NW	SW				-96.422429	35.38196
1/5/2001		0.2			Okfuskee	36	11	N	8	E	I	SW	NW	SW				-96.422429	35.38196
4/9/2001				under repair	Okfuskee	36	11	N	8	E	I	SW	NW	SW				-96.422429	35.38196
11/5/2001		0.47			Okfuskee	36	11	N	8	E	I	SW	NW	SW				-96.422429	35.38196
3/29/2002		0.1			Okfuskee	36	11	N	8	E	I	SW	NW	SW				-96.422429	35.38196
5/24/2002		0.56			Okfuskee	36	11	N	8	E	I	SW	NW	SW				-96.422429	35.38196
9/5/2002		0.1			Okfuskee	36	11	N	8	E	I	SW	NW	SW				-96.422429	35.38196
12/5/2002		0.53			Okfuskee	36	11	N	8	E	I	SW	NW	SW				-96.422429	35.38196
6/13/1995	0.12	4.64			Pottawatomie	28	6	N	4	E	I	SE	NE	NE				-96.880416	34.96862
7/11/1995	0.1	4.44			Pottawatomie	28	6	N	4	E	I	SE	NE	NE				-96.880416	34.96862
8/16/1995	0.12	4.42			Pottawatomie	28	6	N	4	E	I	SE	NE	NE				-96.880416	34.96862
7/2/1998	0.08	3.85			Pottawatomie	28	6	N	4	E	I	SE	NE	NE				-96.880416	34.96862
11/20/1998	0.12	3.19			Pottawatomie	28	6	N	4	E	I	SE	NE	NE				-96.880416	34.96862

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
5/13/1999	0.1	3.97			Pottawatomie	28	6	N	4	E	I	SE	NE	NE				-96.880416	34.96862
6/10/1999	0.1	3.94			Pottawatomie	28	6	N	4	E	I	SE	NE	NE				-96.880416	34.96862
7/29/1999	0.08	4.1			Pottawatomie	28	6	N	4	E	I	SE	NE	NE				-96.880416	34.96862
10/13/1999		0.74			Pottawatomie	28	6	N	4	E	I	SE	NE	NE				-96.880416	34.96862
6/20/2000		4.05			Pottawatomie	28	6	N	4	E	I	SE	NE	NE				-96.880416	34.96862
2/20/2001		3.4			Pottawatomie	28	6	N	4	E	I	SE	NE	NE				-96.880416	34.96862
5/30/2001		3.4			Pottawatomie	28	6	N	4	E	I	SE	NE	NE				-96.880416	34.96862
12/19/2001		3.67			Pottawatomie	28	6	N	4	E	I	SE	NE	NE				-96.880416	34.96862
3/28/2002		3.55			Pottawatomie	28	6	N	4	E	I	SE	NE	NE				-96.880416	34.96862
6/3/2002		3.22			Pottawatomie	28	6	N	4	E	I	SE	NE	NE				-96.880416	34.96862
12/2/2002		3.26			Pottawatomie	28	6	N	4	E	I	SE	NE	NE				-96.880416	34.96862
8/23/1994	0	1.04			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
9/27/1994	0.96	0.96			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
11/1/1994	0.74	0.52			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
8/14/1997	0.28	0.2			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
6/30/1998	1.7	3.12			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
11/3/1998	0.36	0.2			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
4/28/1999	0.28	0.83			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
6/10/1999	1.04	3.58			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
7/22/1999	1.6	6.65			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
10/20/1999		0.37			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
2/29/2000		0			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
6/20/2000		0			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
11/14/2000		0			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
2/27/2001		7.8			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
12/19/2001		0.36			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
3/28/2002		0.2			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
6/19/2002		0.63			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
8/21/2002		0.69			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
12/13/2002		0.63			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
2/29/2000		0.37			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415

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1/0/1900	0.15	0.3			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
11/14/2000		0.53			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
2/27/2001		0.6			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
12/19/2001		0.39			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
3/28/2002		0.56			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
6/19/2002		0.88			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
8/21/2002		0.61			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
12/13/2002		0.94			Pottawatomie	29	9	N	3	E	I	SW	SW	NW				-97.017335	35.225415
1/11/1994	0.04	19.84			Okfuskee	20	11	N	7	E	I	NW	NW	NW				-96.599488	35.419763
2/15/1994	0.06	17.66			Okfuskee	20	11	N	7	E	I	NW	NW	NW				-96.599488	35.419763
3/15/1994	0.1	9.89			Okfuskee	20	11	N	7	E	I	NW	NW	NW				-96.599488	35.419763
10/24/1997		21.42			Okfuskee	20	11	N	7	E	I	NW	NW	NW				-96.599488	35.419763
7/9/1998	0.06	10.62			Okfuskee	20	11	N	7	E	I	NW	NW	NW				-96.599488	35.419763
1/7/1999	0	1.05			Okfuskee	20	11	N	7	E	I	NW	NW	NW				-96.599488	35.419763
4/28/1999	0.04	1.26			Okfuskee	20	11	N	7	E	I	NW	NW	NW				-96.599488	35.419763
6/15/1999	0.02	1.55			Okfuskee	20	11	N	7	E	I	NW	NW	NW				-96.599488	35.419763
7/26/1999	0.04	1.34			Okfuskee	20	11	N	7	E	I	NW	NW	NW				-96.599488	35.419763
12/13/1999		1.35			Okfuskee	20	11	N	7	E	I	NW	NW	NW				-96.599488	35.419763
2/7/2000		0			Okfuskee	20	11	N	7	E	I	NW	NW	NW				-96.599488	35.419763
5/10/2000		1.47			Okfuskee	20	11	N	7	E	I	NW	NW	NW				-96.599488	35.419763
7/17/2000		1.29			Okfuskee	20	11	N	7	E	I	NW	NW	NW				-96.599488	35.419763
1/8/2001		0.2			Okfuskee	20	11	N	7	E	I	NW	NW	NW				-96.599488	35.419763
4/2/2001		0.5			Okfuskee	20	11	N	7	E	I	NW	NW	NW				-96.599488	35.419763
8/27/2001		1.47			Okfuskee	20	11	N	7	E	I	NW	NW	NW				-96.599488	35.419763
11/26/2001		0.42			Okfuskee	20	11	N	7	E	I	NW	NW	NW				-96.599488	35.419763
2/8/2002		0.58			Okfuskee	20	11	N	7	E	I	NW	NW	NW				-96.599488	35.419763
5/10/2002		0.61			Okfuskee	20	11	N	7	E	I	NW	NW	NW				-96.599488	35.419763
8/21/2002		0.63			Okfuskee	20	11	N	7	E	I	NW	NW	NW				-96.599488	35.419763
11/21/2002		0.68			Okfuskee	20	11	N	7	E	I	NW	NW	NW				-96.599488	35.419763
8/18/1997	0.11	0			Okfuskee	20	11	N	7	E	I	SE	NW	NW				-96.597287	35.417955
10/24/1997		0	0		Okfuskee	20	11	N	7	E	I	SE	NW	NW				-96.597287	35.417955

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7/9/1998	0.06	0.27			Okfuskee	20	11	N	7	E	I	SE	NW	NW				-96.597287	35.417955
1/7/1999	0.04	0			Okfuskee	20	11	N	7	E	I	SE	NW	NW				-96.597287	35.417955
4/28/1999	0.06	0			Okfuskee	20	11	N	7	E	I	SE	NW	NW				-96.597287	35.417955
6/15/1999	0.06	0.44			Okfuskee	20	11	N	7	E	I	SE	NW	NW				-96.597287	35.417955
7/26/1999	0.06	0.24			Okfuskee	20	11	N	7	E	I	SE	NW	NW				-96.597287	35.417955
12/13/1999		0			Okfuskee	20	11	N	7	E	I	SE	NW	NW				-96.597287	35.417955
2/7/2000		0			Okfuskee	20	11	N	7	E	I	SE	NW	NW				-96.597287	35.417955
5/10/2000		0			Okfuskee	20	11	N	7	E	I	SE	NW	NW				-96.597287	35.417955
7/17/2000		0.2			Okfuskee	20	11	N	7	E	I	SE	NW	NW				-96.597287	35.417955
1/8/2001		0.2			Okfuskee	20	11	N	7	E	I	SE	NW	NW				-96.597287	35.417955
4/2/2001		0.5			Okfuskee	20	11	N	7	E	I	SE	NW	NW				-96.597287	35.417955
8/27/2001		0.47			Okfuskee	20	11	N	7	E	I	SE	NW	NW				-96.597287	35.417955
11/26/2001		1.5			Okfuskee	20	11	N	7	E	I	SE	NW	NW				-96.597287	35.417955
2/8/2002		0.66			Okfuskee	20	11	N	7	E	I	SE	NW	NW				-96.597287	35.417955
5/10/2002		1.2			Okfuskee	20	11	N	7	E	I	SE	NW	NW				-96.597287	35.417955
8/21/2002		1.56			Okfuskee	20	11	N	7	E	I	SE	NW	NW				-96.597287	35.417955
11/21/2002		1.5			Okfuskee	20	11	N	7	E	I	SE	NW	NW				-96.597287	35.417955
1/11/1994	0.04	0.42			Okfuskee	20	11	N	7	E	I	SE	SW	NW				-96.597303	35.41432
2/15/1994	0	0.35			Okfuskee	20	11	N	7	E	I	SE	SW	NW				-96.597303	35.41432
3/15/1994	0.08	0.45			Okfuskee	20	11	N	7	E	I	SE	SW	NW				-96.597303	35.41432
8/18/1997	0.19	1.12			Okfuskee	20	11	N	7	E	I	SE	SW	NW				-96.597303	35.41432
7/9/1998	0.06	0.6			Okfuskee	20	11	N	7	E	I	SE	SW	NW				-96.597303	35.41432
1/7/1999	0.05	1.06			Okfuskee	20	11	N	7	E	I	SE	SW	NW				-96.597303	35.41432
4/28/1999	0.08	0.51			Okfuskee	20	11	N	7	E	I	SE	SW	NW				-96.597303	35.41432
6/15/1999	0.02	0.47			Okfuskee	20	11	N	7	E	I	SE	SW	NW				-96.597303	35.41432
7/26/1999	0.04	0			Okfuskee	20	11	N	7	E	I	SE	SW	NW				-96.597303	35.41432
12/13/1999		0.45			Okfuskee	20	11	N	7	E	I	SE	SW	NW				-96.597303	35.41432
2/7/2000		0.32			Okfuskee	20	11	N	7	E	I	SE	SW	NW				-96.597303	35.41432
5/10/2000		0.4			Okfuskee	20	11	N	7	E	I	SE	SW	NW				-96.597303	35.41432
7/17/2000		0.56			Okfuskee	20	11	N	7	E	I	SE	SW	NW				-96.597303	35.41432
1/8/2001		1.01			Okfuskee	20	11	N	7	E	I	SE	SW	NW				-96.597303	35.41432

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4/2/2001		0.5			Okfuskee	20	11	N	7	E	I	SE	SW	NW				-96.597303	35.41432
8/27/2001		0.51			Okfuskee	20	11	N	7	E	I	SE	SW	NW				-96.597303	35.41432
11/26/2001		0.54			Okfuskee	20	11	N	7	E	I	SE	SW	NW				-96.597303	35.41432
2/8/2002		0.79			Okfuskee	20	11	N	7	E	I	SE	SW	NW				-96.597303	35.41432
5/10/2002		0.78			Okfuskee	20	11	N	7	E	I	SE	SW	NW				-96.597303	35.41432
8/21/2002		0.81			Okfuskee	20	11	N	7	E	I	SE	SW	NW				-96.597303	35.41432
11/21/2002		0.82			Okfuskee	20	11	N	7	E	I	SE	SW	NW				-96.597303	35.41432
8/18/1997	0.07	0			Okfuskee	19	11	N	7	E	I	NE	NE	NE				-96.601694	35.419763
7/6/1998	0	0			Okfuskee	19	11	N	7	E	I	NE	NE	NE				-96.601694	35.419763
1/7/1999	0	0			Okfuskee	19	11	N	7	E	I	NE	NE	NE				-96.601694	35.419763
4/28/1999	0.06	0			Okfuskee	19	11	N	7	E	I	NE	NE	NE				-96.601694	35.419763
6/17/1999	0.04	0			Okfuskee	19	11	N	7	E	I	NE	NE	NE				-96.601694	35.419763
7/26/1999	0.02	0			Okfuskee	19	11	N	7	E	I	NE	NE	NE				-96.601694	35.419763
12/13/1999		0			Okfuskee	19	11	N	7	E	I	NE	NE	NE				-96.601694	35.419763
2/7/2000		0			Okfuskee	19	11	N	7	E	I	NE	NE	NE				-96.601694	35.419763
5/10/2000		0			Okfuskee	19	11	N	7	E	I	NE	NE	NE				-96.601694	35.419763
7/17/2000		0			Okfuskee	19	11	N	7	E	I	NE	NE	NE				-96.601694	35.419763
1/8/2001		0.2			Okfuskee	19	11	N	7	E	I	NE	NE	NE				-96.601694	35.419763
4/2/2001		0.2			Okfuskee	19	11	N	7	E	I	NE	NE	NE				-96.601694	35.419763
8/27/2001		0.43			Okfuskee	19	11	N	7	E	I	NE	NE	NE				-96.601694	35.419763
12/26/2001		0.2			Okfuskee	19	11	N	7	E	I	NE	NE	NE				-96.601694	35.419763
2/28/2002		0.52			Okfuskee	19	11	N	7	E	I	NE	NE	NE				-96.601694	35.419763
5/10/2002		0.1			Okfuskee	19	11	N	7	E	I	NE	NE	NE				-96.601694	35.419763
8/21/2002		0.55			Okfuskee	19	11	N	7	E	I	NE	NE	NE				-96.601694	35.419763
11/21/2002		0.48			Okfuskee	19	11	N	7	E	I	NE	NE	NE				-96.601694	35.419763
4/28/1992	0.03	7.97			Hughes	25	8	N	8	E	I	NW	NE	NW				-96.418061	35.143921
5/26/1992	0.08	7.63			Hughes	25	8	N	8	E	I	NW	NE	NW				-96.418061	35.143921
6/29/1992		5.64			Hughes	25	8	N	8	E	I	NW	NE	NW				-96.418061	35.143921
7/30/1992		4.53			Hughes	25	8	N	8	E	I	NW	NE	NW				-96.418061	35.143921
8/31/1992	0.06	3.03			Hughes	25	8	N	8	E	I	NW	NE	NW				-96.418061	35.143921
9/28/1992	0.02	2.41			Hughes	25	8	N	8	E	I	NW	NE	NW				-96.418061	35.143921

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7/13/1998	0	6.4			Hughes	25	8	N	8	E	I	NW	NE	NW				-96.418061	35.143921
11/20/1998	0	0			Hughes	25	8	N	8	E	I	NW	NE	NW				-96.418061	35.143921
3/31/1999	0.04	0			Hughes	25	8	N	8	E	I	NW	NE	NW				-96.418061	35.143921
6/28/1999	0.04	8.47			Hughes	25	8	N	8	E	I	NW	NE	NW				-96.418061	35.143921
7/28/1999	0.04	8.49			Hughes	25	8	N	8	E	I	NW	NE	NW				-96.418061	35.143921
11/12/1999		0			Hughes	25	8	N	8	E	I	NW	NE	NW				-96.418061	35.143921
2/17/2000		0			Hughes	25	8	N	8	E	I	NW	NE	NW				-96.418061	35.143921
5/31/2000		0			Hughes	25	8	N	8	E	I	NW	NE	NW				-96.418061	35.143921
9/8/2000	0	0			Hughes	25	8	N	8	E	I	NW	NE	NW				-96.418061	35.143921
3/9/2001				water off	Hughes	25	8	N	8	E	I	NW	NE	NW				-96.418061	35.143921
6/25/2001				cancelled from program	Hughes	25	8	N	8	E	I	NW	NE	NW				-96.418061	35.143921
12/28/2001				back on program	Hughes	25	8	N	8	E	I	NW	NE	NW				-96.418061	35.143921
12/7/2001		0.46			Hughes	25	8	N	8	E	I	NW	NE	NW				-96.418061	35.143921
2/28/2002		0.1			Hughes	25	8	N	8	E	I	NW	NE	NW				-96.418061	35.143921
5/30/2000		0.1			Hughes	25	8	N	8	E	I	NW	NE	NW				-96.418061	35.143921
9/5/2002		0.1			Hughes	25	8	N	8	E	I	NW	NE	NW				-96.418061	35.143921
12/12/2002		0.51			Hughes	25	8	N	8	E	I	NW	NE	NW				-96.418061	35.143921
6/8/1993	0.02	0			Pottawatomie	35	9	N	2	E	I	SW	SE	NE				-97.056812	35.211041
8/19/1993	0.03	0			Pottawatomie	35	9	N	2	E	I	SW	SE	NE				-97.056812	35.211041
10/5/1993	0	0			Pottawatomie	35	9	N	2	E	I	SW	SE	NE				-97.056812	35.211041
8/14/1997	0.05	0			Pottawatomie	35	9	N	2	E	I	SW	SE	NE				-97.056812	35.211041
6/30/1998	0.04	0			Pottawatomie	35	9	N	2	E	I	SW	SE	NE				-97.056812	35.211041
11/3/1998	0.02	0			Pottawatomie	35	9	N	2	E	I	SW	SE	NE				-97.056812	35.211041
4/28/1999	0.06	0			Pottawatomie	35	9	N	2	E	I	SW	SE	NE				-97.056812	35.211041
6/21/1999	0.04	0			Pottawatomie	35	9	N	2	E	I	SW	SE	NE				-97.056812	35.211041
7/29/1999	0.04	0			Pottawatomie	35	9	N	2	E	I	SW	SE	NE				-97.056812	35.211041
10/20/1999		0			Pottawatomie	35	9	N	2	E	I	SW	SE	NE				-97.056812	35.211041
2/29/2000		0			Pottawatomie	35	9	N	2	E	I	SW	SE	NE				-97.056812	35.211041
6/20/2000		0			Pottawatomie	35	9	N	2	E	I	SW	SE	NE				-97.056812	35.211041
3/27/2001		0.2			Pottawatomie	35	9	N	2	E	I	SW	SE	NE				-97.056812	35.211041

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
12/19/2001		0.1			Pottawatomie	35	9	N	2	E	I	SW	SE	NE				-97.056812	35.211041
3/28/2002		0.1			Pottawatomie	35	9	N	2	E	I	SW	SE	NE				-97.056812	35.211041
6/19/2002		0.5			Pottawatomie	35	9	N	2	E	I	SW	SE	NE				-97.056812	35.211041
8/26/2002		0.53			Pottawatomie	35	9	N	2	E	I	SW	SE	NE				-97.056812	35.211041
12/13/2002		0.52			Pottawatomie	35	9	N	2	E	I	SW	SE	NE				-97.056812	35.211041
2/15/1994	0	0			Hughes	31	7	N	9	E	I	NW	NW	NW				-96.404934	35.042241
3/15/1994	0.06	0			Hughes	31	7	N	9	E	I	NW	NW	NW				-96.404934	35.042241
4/19/1994	0.02	0			Hughes	31	7	N	9	E	I	NW	NW	NW				-96.404934	35.042241
9/21/1993	0	0			Seminole	25	7	N	7	E	I	NW	NW	SW				-96.527931	35.049577
10/19/1993	0.02	0			Seminole	25	7	N	7	E	I	NW	NW	SW				-96.527931	35.049577
11/30/1993	0	0			Seminole	25	7	N	7	E	I	NW	NW	SW				-96.527931	35.049577
8/20/1997	0	0			Seminole	25	7	N	7	E	I	NW	NW	SW				-96.527931	35.049577
7/6/1998	0.02	0			Seminole	25	7	N	7	E	I	NW	NW	SW				-96.527931	35.049577
12/1/1998	0	0			Seminole	25	7	N	7	E	I	NW	NW	SW				-96.527931	35.049577
4/19/1999	0.04	0			Seminole	25	7	N	7	E	I	NW	NW	SW				-96.527931	35.049577
6/8/1999	0.02	0			Seminole	25	7	N	7	E	I	NW	NW	SW				-96.527931	35.049577
7/19/1999	0.02	0			Seminole	25	7	N	7	E	I	NW	NW	SW				-96.527931	35.049577
10/27/1999		0			Seminole	25	7	N	7	E	I	NW	NW	SW				-96.527931	35.049577
3/2/2000		0			Seminole	25	7	N	7	E	I	NW	NW	SW				-96.527931	35.049577
8/11/2000		0			Seminole	25	7	N	7	E	I	NW	NW	SW				-96.527931	35.049577
3/27/2001	0.2				Seminole	25	7	N	7	E	I	NW	NW	SW				-96.527931	35.049577
6/11/2001		0.5			Seminole	25	7	N	7	E	I	NW	NW	SW				-96.527931	35.049577
12/12/2001		0.1			Seminole	25	7	N	7	E	I	NW	NW	SW				-96.527931	35.049577
3/27/2002		0.1			Seminole	25	7	N	7	E	I	NW	NW	SW				-96.527931	35.049577
6/10/2002		0.6			Seminole	25	7	N	7	E	I	NW	NW	SW				-96.527931	35.049577
8/7/2002		0.57			Seminole	25	7	N	7	E	I	NW	NW	SW				-96.527931	35.049577
10/21/2002		0.54			Seminole	25	7	N	7	E	I	NW	NW	SW				-96.527931	35.049577
6/7/1993	0.02	0			Johnston	2	2	S	7	E	I	SW						-96.544449	34.408589
7/22/1993	0.2	0			Johnston	2	2	S	7	E	I	SW						-96.544449	34.408589
8/21/1997	0	0.27			Johnston	2	2	S	7	E	I	SW						-96.544449	34.408589
7/27/1998	0	0.35			Johnston	2	2	S	7	E	I	SW						-96.544449	34.408589

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
11/18/1998	0	0.58			Johnston	2	2	S	7	E	I	SW						-96.544449	34.408589
4/7/1999	0.02	0.98			Johnston	2	2	S	7	E	I	SW						-96.544449	34.408589
6/21/1999	0.02	0.82			Johnston	2	2	S	7	E	I	SW						-96.544449	34.408589
7/28/1999	0.02	0.72			Johnston	2	2	S	7	E	I	SW						-96.544449	34.408589
10/6/1999		0			Johnston	2	2	S	7	E	I	SW						-96.544449	34.408589
2/14/2000		0.33			Johnston	2	2	S	7	E	I	SW						-96.544449	34.408589
8/10/2000		0.59			Johnston	2	2	S	7	E	I	SW						-96.544449	34.408589
11/7/2000		0.54			Johnston	2	2	S	7	E	I	SW						-96.544449	34.408589
2/6/2001		0.84			Johnston	2	2	S	7	E	I	SW						-96.544449	34.408589
5/30/2001		0.46			Johnston	2	2	S	7	E	I	SW						-96.544449	34.408589
5/30/2001		1			Johnston	2	2	S	7	E	I	SW						-96.544449	34.408589
12/12/2001		0.71			Johnston	2	2	S	7	E	I	SW						-96.544449	34.408589
3/27/2002		0.63			Johnston	2	2	S	7	E	I	SW						-96.544449	34.408589
6/3/2002		0.81			Johnston	2	2	S	7	E	I	SW						-96.544449	34.408589
8/8/2002		0.99			Johnston	2	2	S	7	E	I	SW						-96.544449	34.408589
10/28/2002		0.94			Johnston	2	2	S	7	E	I	SW						-96.544449	34.408589
1/11/1994	0.1	2.91			Okfuskee	1	12	N	6	E	I	NE	NE	NE				-96.619279	35.550812
2/15/1994	0.08	2.55			Okfuskee	1	12	N	6	E	I	NE	NE	NE				-96.619279	35.550812
3/15/1994	0.1	2.67			Okfuskee	1	12	N	6	E	I	NE	NE	NE				-96.619279	35.550812
7/27/1998	0.06	1.05			Okfuskee	1	12	N	6	E	I	NE	NE	NE				-96.619279	35.550812
1/25/1999	0.04	1.2			Okfuskee	1	12	N	6	E	I	NE	NE	NE				-96.619279	35.550812
5/13/1999	0.1	1.05			Okfuskee	1	12	N	6	E	I	NE	NE	NE				-96.619279	35.550812
6/17/1999	0.08	1.41			Okfuskee	1	12	N	6	E	I	NE	NE	NE				-96.619279	35.550812
7/26/1999	0.04	1.26			Okfuskee	1	12	N	6	E	I	NE	NE	NE				-96.619279	35.550812
12/13/1999		1.02			Okfuskee	1	12	N	6	E	I	NE	NE	NE				-96.619279	35.550812
2/7/2000		0.86			Okfuskee	1	12	N	6	E	I	NE	NE	NE				-96.619279	35.550812
5/10/2000		1.25			Okfuskee	1	12	N	6	E	I	NE	NE	NE				-96.619279	35.550812
7/17/2000		1.18			Okfuskee	1	12	N	6	E	I	NE	NE	NE				-96.619279	35.550812
1/8/2001		1.21			Okfuskee	1	12	N	6	E	I	NE	NE	NE				-96.619279	35.550812
4/2/2001		1.4			Okfuskee	1	12	N	6	E	I	NE	NE	NE				-96.619279	35.550812
8/27/2001		1.3			Okfuskee	1	12	N	6	E	I	NE	NE	NE				-96.619279	35.550812

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11/26/2001		1.05			Okfuskee	1	12	N	6	E	I	NE	NE	NE				-96.619279	35.550812
2/8/2002		1.29			Okfuskee	1	12	N	6	E	I	NE	NE	NE				-96.619279	35.550812
5/10/2002		1.3			Okfuskee	1	12	N	6	E	I	NE	NE	NE				-96.619279	35.550812
8/21/2002		1.7			Okfuskee	1	12	N	6	E	I	NE	NE	NE				-96.619279	35.550812
11/21/2002		1.62			Okfuskee	1	12	N	6	E	I	NE	NE	NE				-96.619279	35.550812
5/4/1994	0.06	0			Hughes	27	4	N	9	E	I	SE	SE	SE				-96.33799	34.78236
6/1/1994	0.1	0.49			Hughes	27	4	N	9	E	I	SE	SE	SE				-96.33799	34.78236
6/29/1994	0.02	0			Hughes	27	4	N	9	E	I	SE	SE	SE				-96.33799	34.78236
7/14/1998	0.04	0			Hughes	27	4	N	9	E	I	SE	SE	SE				-96.33799	34.78236
12/1/1998	0.09	1.12			Hughes	27	4	N	9	E	I	SE	SE	SE				-96.33799	34.78236
4/14/1999	0.04	2.34			Hughes	27	4	N	9	E	I	SE	SE	SE				-96.33799	34.78236
6/30/1999	0.14	0			Hughes	27	4	N	9	E	I	SE	SE	SE				-96.33799	34.78236
7/28/1999	0.14	0			Hughes	27	4	N	9	E	I	SE	SE	SE				-96.33799	34.78236
10/26/1999		0.22			Hughes	27	4	N	9	E	I	SE	SE	SE				-96.33799	34.78236
3/1/2000		7.29			Hughes	27	4	N	9	E	I	SE	SE	SE				-96.33799	34.78236
8/10/2000		0			Hughes	27	4	N	9	E	I	SE	SE	SE				-96.33799	34.78236
4/3/2001		0.6			Hughes	27	4	N	9	E	I	SE	SE	SE				-96.33799	34.78236
12/12/2001		1.78			Hughes	27	4	N	9	E	I	SE	SE	SE				-96.33799	34.78236
3/27/2002		0.29			Hughes	27	4	N	9	E	I	SE	SE	SE				-96.33799	34.78236
6/10/2002		0.59			Hughes	27	4	N	9	E	I	SE	SE	SE				-96.33799	34.78236
8/19/2002		0.68			Hughes	27	4	N	9	E	I	SE	SE	SE				-96.33799	34.78236
10/28/2002		2.86			Hughes	27	4	N	9	E	I	SE	SE	SE				-96.33799	34.78236
4/19/1994	0.04	1.75			Okfuskee	18	11	N	7	E	I	SE	SE	SE				-96.601693	35.421577
5/21/1994	0.02	1.86			Okfuskee	18	11	N	7	E	I	SE	SE	SE				-96.601693	35.421577
6/21/1994	0.02	1.59			Okfuskee	18	11	N	7	E	I	SE	SE	SE				-96.601693	35.421577
8/18/1997	0.09	0.46			Okfuskee	18	11	N	7	E	I	SE	SE	SE				-96.601693	35.421577
7/9/1998	0.1	1.01			Okfuskee	18	11	N	7	E	I	SE	SE	SE				-96.601693	35.421577
1/25/1999	0.07	0.53			Okfuskee	18	11	N	7	E	I	SE	SE	SE				-96.601693	35.421577
4/28/1999	0.04	0.6			Okfuskee	18	11	N	7	E	I	SE	SE	SE				-96.601693	35.421577
6/17/1999	0.02	0.58			Okfuskee	18	11	N	7	E	I	SE	SE	SE				-96.601693	35.421577
7/26/1999	0.04	0.56			Okfuskee	18	11	N	7	E	I	SE	SE	SE				-96.601693	35.421577

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12/13/1999		1.18			Okfuskee	18	11	N	7	E	I	SE	SE	SE				-96.601693	35.421577
2/7/2000		0.76			Okfuskee	18	11	N	7	E	I	SE	SE	SE				-96.601693	35.421577
5/10/2000		1.73			Okfuskee	18	11	N	7	E	I	SE	SE	SE				-96.601693	35.421577
7/17/2000		1.17			Okfuskee	18	11	N	7	E	I	SE	SE	SE				-96.601693	35.421577
1/8/2001		1.85			Okfuskee	18	11	N	7	E	I	SE	SE	SE				-96.601693	35.421577
4/2/2001		0.5			Okfuskee	18	11	N	7	E	I	SE	SE	SE				-96.601693	35.421577
8/27/2001		1.68			Okfuskee	18	11	N	7	E	I	SE	SE	SE				-96.601693	35.421577
11/26/2001		1.67			Okfuskee	18	11	N	7	E	I	SE	SE	SE				-96.601693	35.421577
2/8/2002		1.71			Okfuskee	18	11	N	7	E	I	SE	SE	SE				-96.601693	35.421577
5/10/2002		1.77			Okfuskee	18	11	N	7	E	I	SE	SE	SE				-96.601693	35.421577
8/21/2002		1.39			Okfuskee	18	11	N	7	E	I	SE	SE	SE				-96.601693	35.421577
11/21/2002		1.69			Okfuskee	18	11	N	7	E	I	SE	SE	SE				-96.601693	35.421577
8/23/1994	0.04	0			Pottawatomie	30	9	N	3	E	I	NW	SW	SE				-97.026016	35.220018
9/27/1994	0.04	0			Pottawatomie	30	9	N	3	E	I	NW	SW	SE				-97.026016	35.220018
11/1/1994	0.02	0			Pottawatomie	30	9	N	3	E	I	NW	SW	SE				-97.026016	35.220018
6/7/1993	0.02				Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
6/7/1993	0.04				Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
7/23/1993	0.06				Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
7/27/1998	0.02	0	0		Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
6/21/1999	0.02	0.48			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
7/28/1999	0.02	0.56			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
2/25/2000		0			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
5/25/2000		0			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
12/7/2000		0			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
3/8/2001		0.2			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
6/14/2001		0.5			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
9/6/2001		0.61			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
12/7/2001		0.44			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
2/28/2002		0.1			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
5/30/2002		0.68			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
9/5/2002		0.62			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558

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12/12/2002		0.53			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
2/25/2000		0			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
5/25/2000		0.43			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
3/8/2001		0.5			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
6/14/2001		0.6			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
9/6/2001		0.82			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
12/7/2001		0.76			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
2/28/2002		0.4			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
5/30/2002		0.83			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
9/5/2002		0.75			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
12/12/2002		0.74			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
7/23/1998	0.04	0.34			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
6/21/1999	0.08	0.33			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
7/28/1999	0.02	1.03			Pontotoc	19	2	N	7	E	I	SW	NE	NW				-96.611872	34.633558
11/29/1994	0.04	0.28	0.44		Okfuskee	23	13	N	8	E	I	NE	SE	SW				-96.43351	35.583676
1/10/1995	0.02	0.29			Okfuskee	23	13	N	8	E	I	NE	SE	SW				-96.43351	35.583676
8/19/1997	0.08	0.22			Okfuskee	23	13	N	8	E	I	NE	SE	SW				-96.43351	35.583676
7/9/1998	0.04	0.91			Okfuskee	23	13	N	8	E	I	NE	SE	SW				-96.43351	35.583676
1/25/1999	0.04	1.06			Okfuskee	23	13	N	8	E	I	NE	SE	SW				-96.43351	35.583676
5/3/1999	0.04	1.06			Okfuskee	23	13	N	8	E	I	NE	SE	SW				-96.43351	35.583676
6/17/1999	0.02	1.1			Okfuskee	23	13	N	8	E	I	NE	SE	SW				-96.43351	35.583676
7/26/1999	0.06	1.15			Okfuskee	23	13	N	8	E	I	NE	SE	SW				-96.43351	35.583676
12/20/1999		1.31			Okfuskee	23	13	N	8	E	I	NE	SE	SW				-96.43351	35.583676
2/25/2000		1.12			Okfuskee	23	13	N	8	E	I	NE	SE	SW				-96.43351	35.583676
6/1/2000		1.23			Okfuskee	23	13	N	8	E	I	NE	SE	SW				-96.43351	35.583676
8/7/2000		1.36			Okfuskee	23	13	N	8	E	I	NE	SE	SW				-96.43351	35.583676
1/22/2001		1.9			Okfuskee	23	13	N	8	E	I	NE	SE	SW				-96.43351	35.583676
4/30/2001		2.2			Okfuskee	23	13	N	8	E	I	NE	SE	SW				-96.43351	35.583676
11/19/2001		2.55			Okfuskee	23	13	N	8	E	I	NE	SE	SW				-96.43351	35.583676
3/29/2002		1.57			Okfuskee	23	13	N	8	E	I	NE	SE	SW				-96.43351	35.583676
6/3/2002		2.43			Okfuskee	23	13	N	8	E	I	NE	SE	SW				-96.43351	35.583676

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
9/19/2002		2.64			Okfuskee	23	13	N	8	E	I	NE	SE	SW				-96.43351	35.583676
10/10/1995	0.02	0.21			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
11/7/1995	0.06	0.2			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
8/14/1997	0.07	0.23			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
6/30/1998	0.05	0.46			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
11/3/1998	0.02	0.46			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
4/28/1999	0.04	0.39			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
7/26/1999	0.06	0.44			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
10/20/1999		0			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
2/29/2000		0			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
6/20/2000		0.71			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
3/28/2002		0.39			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
6/19/2002		0.88			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
8/21/2002		1			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
12/2/2002		0.87			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
9/12/1995	0.08	0			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
10/10/1995	0.06	0.39			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
11/7/1995	0.06	0.39			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
8/14/1997	0.06	0.45			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
6/30/1998	0.04	0			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
11/3/1998	0.04	0.79			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
10/20/1999		0			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
2/29/2000		0.64			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
11/14/2000		0.3			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
2/27/2001		0.3			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
12/19/2001		0.38			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
3/28/2002		14.73			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
6/19/2002		11.23			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
8/21/2002		5.77			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
12/2/2002		7.29			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
9/12/1995	0.06	0.77			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
10/10/1995	0.04	1.37			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
11/7/1995	0.06	0.87			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
11/3/1998	0.04	1.93			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
5/13/1999	0.18	14.43			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
7/26/1999	0.12	9.66			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
10/20/1999		5.26			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
2/29/2000		18.76			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
3/24/2000		18.7			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
6/20/2000		11.51			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
11/14/2000		12.74			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
2/27/2001		21.3			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
12/19/2001		8			Pottawatomie	17	8	N	2	E	I	SE	NE	SW				-97.11711	35.164289
6/13/1995	0.14	1.08			Pottawatomie	12	8	N	4	E	I	NE	NW	NW				-96.840899	35.187304
7/11/1995	0.12	1			Pottawatomie	12	8	N	4	E	I	NE	NW	NW				-96.840899	35.187304
8/16/1995	0.24	1.27			Pottawatomie	12	8	N	4	E	I	NE	NW	NW				-96.840899	35.187304
8/14/1997	0.19	1.92			Pottawatomie	12	8	N	4	E	I	NE	NW	NW				-96.840899	35.187304
7/1/1998	0.18	1.84			Pottawatomie	12	8	N	4	E	I	NE	NW	NW				-96.840899	35.187304
11/20/1998	0.14	2.02			Pottawatomie	12	8	N	4	E	I	NE	NW	NW				-96.840899	35.187304
4/28/1999	0.14	3.78			Pottawatomie	12	8	N	4	E	I	NE	NW	NW				-96.840899	35.187304
11/2/1999		2.38			Pottawatomie	12	8	N	4	E	I	NE	NW	NW				-96.840899	35.187304
3/7/2000		3.1			Pottawatomie	12	8	N	4	E	I	NE	NW	NW				-96.840899	35.187304
6/20/2000		2.3			Pottawatomie	12	8	N	4	E	I	NE	NW	NW				-96.840899	35.187304
11/7/2000	3.55				Pottawatomie	12	8	N	4	E	I	NE	NW	NW				-96.840899	35.187304
3/27/2001		3.9			Pottawatomie	12	8	N	4	E	I	NE	NW	NW				-96.840899	35.187304
12/19/2001		2.5			Pottawatomie	12	8	N	4	E	I	NE	NW	NW				-96.840899	35.187304
3/28/2002		2.5			Pottawatomie	12	8	N	4	E	I	NE	NW	NW				-96.840899	35.187304
6/10/2002		2.22			Pottawatomie	12	8	N	4	E	I	NE	NW	NW				-96.840899	35.187304
12/13/2002		2.35			Pottawatomie	12	8	N	4	E	I	NE	NW	NW				-96.840899	35.187304
4/19/1994	0.02	0			Seminole	31	7	N	7	E	I	SE	SW	NE				-96.605145	35.037167
5/17/1994	0.04	0			Seminole	31	7	N	7	E	I	SE	SW	NE				-96.605145	35.037167
6/21/1994	0.01	0			Seminole	31	7	N	7	E	I	SE	SW	NE				-96.605145	35.037167

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
8/20/1997	0	0			Seminole	31	7	N	7	E	I	SE	SW	NE				-96.605145	35.037167
7/9/1998	0.6	0			Seminole	31	7	N	7	E	I	SE	SW	NE				-96.605145	35.037167
6/8/1999	0.02	0			Seminole	31	7	N	7	E	I	SE	SW	NE				-96.605145	35.037167
7/28/1999	0.02	0			Seminole	31	7	N	7	E	I	SE	SW	NE				-96.605145	35.037167
8/17/1993	0	0			McIntosh	3	9	N	13	E	I	NE	NE	SE				-95.911906	35.281732
9/13/1993	0.76	0			McIntosh	3	9	N	13	E	I	NE	NE	SE				-95.911906	35.281732
11/1/1993	0.04	0			McIntosh	3	9	N	13	E	I	NE	NE	SE				-95.911906	35.281732
8/18/1997	0	0			McIntosh	3	9	N	13	E	I	NE	NE	SE				-95.911906	35.281732
7/13/1998	0.02	0			McIntosh	3	9	N	13	E	I	NE	NE	SE				-95.911906	35.281732
12/1/1998	0	0			McIntosh	3	9	N	13	E	I	NE	NE	SE				-95.911906	35.281732
5/3/1999	0.02	0			McIntosh	3	9	N	13	E	I	NE	NE	SE				-95.911906	35.281732
6/16/1999	0.04	0.31			McIntosh	3	9	N	13	E	I	NE	NE	SE				-95.911906	35.281732
7/21/1999	0.02	0			McIntosh	3	9	N	13	E	I	NE	NE	SE				-95.911906	35.281732
12/22/1999		0			McIntosh	3	9	N	13	E	I	NE	NE	SE				-95.911906	35.281732
2/22/2000		0			McIntosh	3	9	N	13	E	I	NE	NE	SE				-95.911906	35.281732
6/1/2000		0			McIntosh	3	9	N	13	E	I	NE	NE	SE				-95.911906	35.281732
11/19/2001		0.31			McIntosh	3	9	N	13	E	I	NE	NE	SE				-95.911906	35.281732
3/29/2002		0.1			McIntosh	3	9	N	13	E	I	NE	NE	SE				-95.911906	35.281732
6/3/2002		0.53			McIntosh	3	9	N	13	E	I	NE	NE	SE				-95.911906	35.281732
9/19/2002		0.1			McIntosh	3	9	N	13	E	I	NE	NE	SE				-95.911906	35.281732
2/16/1995	0.02	3.24			Hughes	24	4	N	10	E	I	NE	SW	NW				-96.210843	34.805929
3/22/1995	0.04	3.12			Hughes	24	4	N	10	E	I	NE	SW	NW				-96.210843	34.805929
4/19/2001	0.1	2.88			Hughes	24	4	N	10	E	I	NE	SW	NW				-96.210843	34.805929
8/21/1997	0.08	3.81			Hughes	24	4	N	10	E	I	NE	SW	NW				-96.210843	34.805929
7/14/1998	0.04	4.43			Hughes	24	4	N	10	E	I	NE	SW	NW				-96.210843	34.805929
12/1/1998	0.02	4.31			Hughes	24	4	N	10	E	I	NE	SW	NW				-96.210843	34.805929
4/14/1999	0.06	4.24			Hughes	24	4	N	10	E	I	NE	SW	NW				-96.210843	34.805929
6/15/1999	0.04	4.31			Hughes	24	4	N	10	E	I	NE	SW	NW				-96.210843	34.805929
7/20/1999	0.04	4.12			Hughes	24	4	N	10	E	I	NE	SW	NW				-96.210843	34.805929
10/26/1999		4.22			Hughes	24	4	N	10	E	I	NE	SW	NW				-96.210843	34.805929
3/1/2000		4.15			Hughes	24	4	N	10	E	I	NE	SW	NW				-96.210843	34.805929

DATE	TotalPhos	Nitrates	TKN	Comments	ODACOUNTY	SECTION	TWPNUM	TWPDIR	RNGNUM	RNGDIR	MERIDIAN	SUB1	SUB2	SUB3	SUB4	SUB5	SUB6	XCORD	YCOORD
8/10/2000		6.7			Hughes	24	4	N	10	E	I	NE	SW	NW				-96.210843	34.805929
4/3/2001		6.2			Hughes	24	4	N	10	E	I	NE	SW	NW				-96.210843	34.805929
6/19/2001		3.2			Hughes	24	4	N	10	E	I	NE	SW	NW				-96.210843	34.805929
12/12/2001		4.16			Hughes	24	4	N	10	E	I	NE	SW	NW				-96.210843	34.805929
3/27/2002		0.29			Hughes	24	4	N	10	E	I	NE	SW	NW				-96.210843	34.805929
6/10/2002		3.84			Hughes	24	4	N	10	E	I	NE	SW	NW				-96.210843	34.805929
8/19/2002		6.11			Hughes	24	4	N	10	E	I	NE	SW	NW				-96.210843	34.805929
10/28/2002		6.93			Hughes	24	4	N	10	E	I	NE	SW	NW				-96.210843	34.805929
12/15/2001	0.075	11.84			Major	20	20	N	13	W	I	SW						-98.614752	36.191635
3/19/2002	0.115	12.16			Major	20	20	N	13	W	I	SW						-98.614752	36.191635
6/24/2002	0.124	10.34			Major	20	20	N	13	W	I	SW						-98.614752	36.191635
9/23/2002	0.145	10.95			Major	20	20	N	13	W	I	SW						-98.614752	36.191635
12/11/2001	0.02	14			Woodward	23	22	N	18	W	I	SW						-99.099022	36.366218
3/19/2002	0.02	14.12			Woodward	23	22	N	18	W	I	SW						-99.099022	36.366218
6/24/2002	0.02	13.47			Woodward	23	22	N	18	W	I	SW						-99.099022	36.366218
8/13/2002	0.02	14.66			Woodward	23	22	N	18	W	I	SW						-99.099022	36.366218

Appendix H

2002 Water Quality Assessment Integrated Report

Response to Public Comments

Comments were received from:

- a. Patricia Billingsley, Oklahoma Corporation Commission
- b. Tim Baker, Oklahoma Corporation Commission
- c. Jeannine Hale, Sierra Club
- d. Angela Burckhalter, Oklahoma Independent Petroleum Association
- e. Marla Peek, Oklahoma Farm Bureau
- f. Jerry Brabander, U.S. Fish and Wildlife Service
- g. Sherri Irving, City of Edmond
- h. Richard Smith, Indian Nations Council of Governments
- i. James Barnett, Environmental Federation of Oklahoma

This key is used in the summary of comments below to identify the commenter. DEQ response to comments are indicated *in italics*.

1. **(a, d)** There are various wrong and missing Category 5 Streams (list provided by Corp. Comm).

All suggested changes were reviewed. Six waterbodies were added to Category 5. Several corrections to WBID numbers were made.

2. **(a, d, e, i)** There are many errors in Table 3: Category 5 River/Stream Miles and Lake Acres Impaired by Source.

Table 3 was revised significantly.

3. **(a, c, d, e)** The public comment period for the 2002 Water Quality Assessment Integrated Report should be extended.

The comment period was extended to April 4.

4. **(a)** Table 1, Category 5 Beneficial Use River/Stream Miles Impaired by Specific Pollutant: why are there 27 streams with Oil and Gas impairments shown in Table 1?

*There are not 27 streams shown in Table 1. Table 1 shows stream **miles**, not stream segments. This information was provided by the Oklahoma Corporation Commission.*

5. **(b)** Because most of the waterbodies in Category 5 with a salinity/chloride cause code 1330 and an oil and gas industry source code 550 will not have a TMDL performed, they do not belong in Category 5, but in Category 4. Oklahoma should designate special Category 4 sub-categories for waterbodies that do not fit into the 4a, 4b, and 4c subcategories defined by EPA. Until this new subcategory can be devised, these streams should have a low TMDL priority assigned.

The previously adopted methodology does not provide any additional “special” sub-categories of Category 4. The questioned listings do not meet the criteria for placement in any of the sub-categories of Category 4. A low TMDL priority will be assigned to these waters. Additional sub-categories of Category 4 may be considered in the future.

6. **(c)** The draft Integrated Report and methodology fail to adequately consider and address waters that may not within two years meet Oklahoma Water Quality Standards, and threatened waters are not identified at all.

Within the new Integrated Report methodology, “threatened” is not one of the reporting categories. Threatened status is incorporated in the methodology. If threatened waters are expected to become impaired in the next 2 years, they are categorized as “not attaining”.

7. **(c)** The Report and methodology fail to adequately address waters that do not meet narrative criteria or antidegradation requirements.

Narrative criteria are addressed in the methodology where appropriate (see sections on oil and grease, sediment, and nutrients, for example). Development of protocols to determine if pollution controls for a given waterbody are adequate to meet antidegradation requirements has been identified as a topic for development and further consideration in future reports.

8. **(c)** It does not appear that all appropriate agencies and sources have been included in the 2002 303d list revision process.

Extensive efforts were made to collect “all existing and readily available data and information”. All agencies known to collect or maintain water quality data were contacted. A total of 223 notices were distributed to other state environmental agencies, federal agencies, industry representatives, environmental groups and members of the public requesting any data available to them. The DEQ did solicit information concerning impaired waterbodies in the State of Oklahoma from other state agencies, the public and other sources. The DEQ received responses from some of the entities.

9. (c) We earlier had asked how the proposed revisions to the CPP would be applied to individual streams on the 1998 list, but have still not received an answer.

The methodology adopted in the CPP revisions was applied to all streams, including those on the 1998 list. This was made clear during the CPP revision process.

10. (c) The state must provide the public with specific rationales for decisions that affect previously listed streams and lakes in order to allow a meaningful opportunity for comment.

All attainment or non-attainment decisions were presented to the public for comment, including those for previously listed streams and lakes. A rationale for each waterbody-pollutant pair included on the previous 303d list and its 2002 recommended status has been prepared and distributed. This table was also incorporated in the final report.

11. (c) The Oklahoma Administrative Procedures Act (OAPA) requires that certain actions that affect public rights and interests must be codified into state rules. Portions of this document meet the definition of “rule” under the OAPA and therefore, to be valid and effective under state law, the procedures specified in the OAPA must be followed. If this is not done, state law specifically states that the document’s contents will be null and of no effect. These provisions need to be effective and enforceable requirements.

*The DEQ disagrees that any portion of this document meets the definition of a “rule” and therefore the Integrated Report must go through the rule making process as stated in the Oklahoma Administrative Procedures Act (OAPA). Additionally, the Oklahoma Legislature has spoken on this issue. The OAPA is a statute of general applicability in regards to Oklahoma State Agencies. The Oklahoma Legislature (in 27A O.S. § 1-2-101 (B)) specifically stated what constitutes public notice for those documents that encompass the Integrated Report. Pursuant to Oklahoma Law, specific statutes govern over a general statutory scheme, see, *Baker v. Baker*, 904 P.2d 616 (Okla.App. 1995).*

12. (c) References to Water Board statutes are outdated and incorrect. Under terminologies, WQS is defined in a manner not consistent with Oklahoma Water Quality Standards (e.g. they apply to more than just navigable streams). Later on in the report, the same abbreviation of WQS is used for Oklahoma Water Quality Standards. The definition of “PL” is unnecessary and strange. On page 5, descriptions of various categories should read “category x – waterbodies listed in this category are characterized by...” – waterbodies are not capable of ‘utilizing’ anything.

The incorrect or outdated language has been corrected.

13. (c) Page 6 – the report indicates that 3,873 waterbodies were delineated into the new Assessment Database and 620 of these were “assessed using ambient monitoring data, professional evaluation, and citizen input”.

A. Is the report restricted to those 3,873 waterbodies?

The attainment status of all waterbodies delineated in the Assessment Database is explicitly shown in the Integrated Report. Since the report considers all known water quality data, the status of all streams or lakes not explicitly shown would be Category 3, Insufficient Information. Due to various corrections and modifications, there are now 3,969 delineated waterbodies.

B. In view of the lengthy descriptions of methodology later in the Report, please explain just what constitutes ‘professional evaluation’ and ‘citizen input’.

All data were evaluated in accordance with the adopted methodology. Professional evaluation was involved in insuring appropriate attainment decisions in accordance with the adopted methodology. Citizens, in addition to agencies, universities, and other interested parties, were solicited for information regarding water quality conditions. This information was also evaluated in accordance with the adopted methodology.

C. Did these two activities result in the listing or delisting of any waterbodies? If so, which ones? If so, how does this reconcile with the descriptions of methodology protocols?

This level of detail is not maintained in the database. The adopted methodology was utilized for all attainment or non-attainment decisions and the subsequent assignment of categories.

14. (c) Many streams listed on the 1998 303d list had identified agricultural related sources. Many of these sources are no longer identified in the new category 5 list. Was ‘citizen input’ from agricultural groups used to delete previously listed sources of impairment for streams on the 1998 303d list? Which streams?

No information related to sources of impairment was received during the citizen input solicitation. Sources of impairment are identified where known or where there is a reasonable likelihood of a causal linkage. Where there is no information to establish such a linkage, the source is listed as unknown. The adopted methodology provides guidance on identifying sources of impairment.

15. (c) In 1998, 63% of rivers and streams were identified as not fully supporting the fish and wildlife propagation use, another 24% were 'threatened' and only 13% were 'fully supporting'. The Draft Report at page 8, Figure 2, indicates that only 24% of rivers and streams are in category 5 (not supporting), 6% in category 2 (some uses attained, none threatened), 70% in category 3 (insufficient data) and 0% in category 4 (fully supporting).

- A. Please identify each stream segment and provide good cause documentation for the delisting of the at least 39% (63%-24%) of rivers and streams previously considered impaired on the 1998 303d list.

See response to comment 10.

- B. What happened to the 24% 'threatened' streams.

See response to comment 6.

- C. Why are 70% suddenly considered to have 'insufficient data' when this clearly wasn't the case in 1998? Please identify which streams from the 1998 list are in this category 3 now and provide justification for these decisions.

The 1998 and previous lists are widely recognized as being not based on data adequate to meet current protocols and were not developed utilizing a consistent methodology. Past data and listing methods in many cases were not commensurate with the consequences of the decisions made. The 2002 report addresses both of these shortcomings. See also the response to comment 10.

- D. What streams from the 1998 list were placed in category 2? Why?

See response to comment 10.

- E. How was it determined for category 2 streams that no threat exists?

The adopted methodology allows for consideration of threatened status where appropriate. See also response to comment 6.

16. (c) In 1998, at least 43% of lakes were considered impaired for fish and wildlife propagation. The draft Report indicates that number is now only 35%. Which lakes on the 1998 list are now meeting standards for this use? Please provide documentation of good cause for delisting these waters.

See response to comment 10.

17. (c) The 2002 draft report indicates that 39% of lakes are in category 2, in which no use is ‘threatened’. In 1998, 50% were considered ‘threatened’ with respect to primary body contact recreation. In view of the apparent increase in sources of pathogens, how can this be? Which lakes are now not threatened and how was this determined? Please provide documentation that there is no threat of pathogens or injury to those involved in primary body contact recreation in the waters listed in category 2.

There was no consistent methodology for the 1998 list. The adopted methodology was applied to actual data for the 2002 report. See also the response to comment 10.

18. (c) Figure 4 of the draft report indicates that no rivers and streams, or an extremely small percentage of them, are ‘not attaining’ the aesthetic use. Anyone familiar with Oklahoma streams knows this is false. Literally everywhere you go, there are bottom deposits, scum, algae, oil sheens and other gunk in our streams that impairs the aesthetics use. It is more accurate to say the majority of streams do NOT meet the aesthetics use. Any methodology that leads to a conclusion that only a small % are not attaining the aesthetics use is fatally flawed.

Aesthetics impairments are identified where they are supported by the application of the previously adopted methodology to actual data. There is no water quality standard for “other gunk” or similar subjective evaluations. All interested parties were afforded an opportunity to submit data regarding known impairments and supporting data for specific waterbodies. A subjective assessment applied to “everywhere you go” is not a valid method to identify real impairments.

19. (c) Other portions of Figure 4 are not readable such as the graphs for the ‘trout’ use.

The graph has been replaced with a table showing numbers for each use.

20. (c) Figure 5 for lakes has similar problems – e.g., there is nothing indicated for fish consumption and the status of other uses is not complete or clear.

The graph has been replaced with a table showing numbers for each use.

21. (c) There is no explanation apparent for the depiction of the streams and lakes on Figures 4 and 5 that are considered attaining navigation. How was this determined?

The previously adopted methodology addresses the navigation use. Since the water quality standards note that navigation is dependent on water quantity and not water quality, there is no water quality impairment that would interfere with the navigation use. For water quality purposes, the navigation use is attained wherever it is designated.

22. (c) Table 1 – some explanation would be helpful as to why there are separate listings for “metals” and also individual metals such as lead. Likewise for the pollutants ‘nutrients’ and ‘phosphorus’.

The generic “nutrients” or “metals” listings were a relic of the code system used in the database. These were corrected to the specific pollutant or removed where the specific pollutant was also listed.

23. (c) Table 1 indicates that the WWAC use is impaired in a large number of stream miles due to lead, metals and selenium – what are the most likely sources of these pollutants?

Sources of impairment are identified where known or where there is a reasonable likelihood of a causal linkage. Where there is no information to establish such a linkage, the source is listed as unknown. The adopted methodology provides guidance on identifying sources of impairment.

24. (c) Table 2 for lakes does not provide any information about pollutants such as metals, pesticides, PCBs, or contaminated sediments. What information is available and for which lakes is it available? Please incorporate this information as well.

Table 2 shows impairment due to specific pollutants. No information to indicate impairments due to these pollutants in lakes is available. All existing and readily available information was used in compiling the report.

25. (c) Table 3 indicates that sources related to acid mine drainage, resource extraction, surface mining and mine tailings are polluting a large number of stream miles. What is being done to correct this problem? How are mining activities being regulated now that is different so we can prevent these problems?

Table 3 has been significantly revised. The other topics are outside the scope of this document.

26. (c) Table 3 indicates that over 6400 miles of streams are impaired by “petroleum activities”, the highest number for any individual source listed in the table. What specifically is being done to correct this pollution? The term activities could mean any number of things – can this source be broken down further into salt water spills, etc.?

See response to comment 25.

27. (c) Page 12- please use OWQS to refer to Oklahoma Water Quality Standards if you retain a different definition of the term WQS in the Terminology section of the report.

See response to comment 12.

28. (c) Page 13 – Please provide justification and documentation in support of the statement that instances of groundwater pollution by man’s activities are “isolated”. Perhaps you could say that the deepest aquifers have had minimal impact by man, but otherwise the statement is false. There are probably hundreds of examples of groundwater pollution by refineries, CAFOs, agricultural activities, wastewater lagoons, Petroleum Activities, mining activities, etc., that can be documented across the state.

This section has been revised.

29. (c) Comments on Surface Water Assessment Methodology (Sierra Club)

The methodology was previously adopted during revisions to the Continuing Planning Process document. There was extensive public participation during that process. Please see the responsiveness summary for that document for responses to these comments.

30. (c) It is almost impossible to compare the 1998 and 2002 lists, especially in the time allotted. What used to be on one list is now on 5 river lists and 5 lake lists and tracking the path and changes for all 350+ segments and lakes that used to be on the 1998 303d list is darn near impossible. It might be facilitated if ODEQ would provide the public with the list that they compiled, however this did not happen.

See response to comment 10.

31. (c) A large number of streams and lake segments on the 1998 list were moved to a different category, other than category 5. Others were ‘delisted’ for specific pollutants. Still others had their sources changed. None of these changes is clearly outlined in the report and no explanation is offered. For example - Honey Creek is not now listed as impaired for aesthetics due to nutrients, but is now listed as PBCR impaired by pathogens. There is no justification for omitting the listing of impairment due to nutrients. Hundreds of recent photos and witnesses can document the presence of excessive algal growth.

See response to comment 10. No such photos or witnesses were presented during the development of this report.

32. (c) Under applicable regulations, all waters must be kept on the list until it is proven that they meet all water quality standards, including antidegradation provisions, or until it is proven that they were wrongly listed. You must follow carefully the delisting provisions of 40 CFR Part 130. At a minimum, good cause must be shown for delisting. The draft Report fails to demonstrate any cause for waters that have been removed from the 1998 303d list and are not now included in Category 5. Part 3.B of these comments highlights some examples of stream segments improperly delisted or for which no valid justification is provided.

See response to comment 10. The methodology was developed in accordance with applicable rules and EPA guidance.

33. (c) Examples of stream segments omitted

A. Streams impaired by hydrologic modifications

- i. Below Kaw Lake. The ODWC has struggled with FERC to eliminate severe impacts upon the fish and wildlife community downstream of Kaw reservoir. It is doubtful this problem has been cured. Problems downstream of other dams can also be documented. Until arrangements are made with appropriate entities that eliminate periodic fish kills and other impairment of fish communities, stream segments below reservoirs should be listed.

Information was requested from ODWC. No such information related to Kaw Lake was received.

- ii. Little River below confluence with Mt. Fork – temperature changes due to releases from Broken Bow dam have impacted mussel community. Information source: Caryn Vaughn, OU Biological Survey.

No such temperature or mussel community data were provided.

- B. Threatened waters - It does not appear that the state has listed those waterbodies that can reasonably be expected to fail to meet WQS in the future.

See response to comment 6.

- C. Waters that have been identified as impaired by data other than chemical water quality samples. Example: Honey Creek, Jimmy Pigg's data indicated that the fish community has been impaired and that antidegradation requirements for HQWs are not met.

Jimmy Pigg's data do not meet the temporal data requirements of the adopted methodology. They are more than 5 years old and more recent data are available for Honey Creek. Recent biological collections by the Conservation Commission show no impairment of the fish community when compared to the biocriteria for this ecoregion. Biological data were considered in accordance with the adopted methodology wherever available. See also the response to comment 7.

- D. Wetlands - It does not appear that wetlands have been listed, although these are "waters of the state" and default beneficial uses do apply. Wetlands are some of the most impaired, threatened waters across the U.S. and in Oklahoma and must be identified so problems can be addressed. For example a wetland at 121st and Sheridan is threatened with drainage under a proposal by the City of Tulsa to address street flooding caused by pavement in new developments in South Tulsa and improper road placement in the first place. If this were listed, the state could help identify ways to address this threat. The wetland in question is actually one that is supposed to be preserved under previous mitigation agreements with USFWS.

Adoption of water quality standards specific to wetlands has been identified as a topic for further consideration in the future. There is no water quality monitoring program for wetlands in Oklahoma, thus no information is available to identify impairments. Wetland mitigation requirements are beyond the scope of this report. See also the response to comment 6.

34. (c) The list of sources for category 5 rivers and streams in the draft report is mostly “source unknown”. It appears that this was not the case for the 1998 303d list. Why did we used to know the sources and now we don’t? Please provide explanation of the deletion of sources previously listed for each stream on the 1998 303d list.

Sources of impairment are identified where known or where there is a reasonable likelihood of a causal linkage. Where there is no information to establish such a linkage, the source is listed as unknown. The adopted methodology provides guidance on identifying sources of impairment.

35. (c) Rivers and Lakes — specific examples of problems and lack of justification provided

- A. **Cave Springs Branch** — the listing of Cave Springs Branch in the report is full of errors. It is listed as impaired in category 5 for CWAC, but it says the cause is unknown and the source is municipal point sources. The cause is ammonia and toxicity and repeated fish kills caused by Simmons Processing Plant discharges. Cave Springs should also be listed, but isn’t, as PBCR and Aesthetics uses impaired due to pathogens and nutrients/foam/scum/bottom deposits.

This impairment results from biological data which do not meet the biocriteria for this ecoregion. The available chemical data do not allow an identification of the responsible pollutant. Ammonia data do not document an impairment using the adopted methodology. The source code for “Sources outside State jurisdiction or borders” was added. A re-evaluation of recent USGS monitoring data document the recreation impairment, due to exceedance of the E. coli criterion. This impairment was added. The available information is not sufficient to fully evaluate attainment of the aesthetics use.

- B. **Honey Creek** — this stream is listed in category 5 for PBCR impairment due to pathogens, however it is also impaired for CWAC due to ammonia and DO, and aesthetics is impaired due to excess nutrients and algal growth. The sources are Simmons Poultry Processing Plant and Southwest City Missouri’s municipal wastewater plant discharges.

The available data do not document any impairment for ammonia or dissolved oxygen. Available data are not sufficient to fully evaluate attainment of the aesthetics use in accordance with the adopted methodology. The source code for “Sources outside State jurisdiction or borders” was added.

- C. **Spring Creek** – This stream has been taken off the 303d list without explanation.

See response to comment 10.

- D. **Pryor Creek**- this used to be listed for pesticides, nutrients, priority organics but is now delisted for these pollutants without explanation.

See response to comment 10.

- E. **Caney Creek** – this stream used to be listed for impairment due to sources Stilwell Foods, wastewater and source unknown. The first two sources have been omitted under category 5 in the report, without explanation.

See response to comment 10.

- F. **Bird Creek**- why was this stream delisted from the 303d list for pesticides? Please provide documentation of good cause for its removal.

See response to comment 10.

- G. **Gaines Creek** – this is listed as WWAC impaired for pH but the source is listed as unknown. However it is believed that the state previously had documentation about acid discharges from mining activities into this stream. Please provide justification for removing this source code.

The source code for “Acid mine drainage” was added.

- H. **Glover River** was on the 1998 list for pH, but is not listed in category 5 for this cause. Please provide an explanation.

See response to comment 10.

- I. **Mountain Fork** –segment ok410210050010 was listed for several pollutants and several sources in the 1998 303d list. Please show good cause for the delisting of this segment since it is not contained in category 5 in the draft 2002 Report.

See response to comment 10.

- J. **Baron Fork-** what municipal sources are causing the aesthetics use to be not attained for phosphorus and nutrients? If these sources are in Oklahoma, please explain whether they have an OPDES permit with a phosphorus effluent limit and whether they land apply sludge or wastewater in the vicinity of the stream.

The Town of Westville is the only Oklahoma discharger in the Baron Fork watershed. Westville has an OPDES permit with a phosphorus limit. They are not authorized to land apply sludge or wastewater in the vicinity of the stream.

- K. **Blue River** –segments of this stream were listed in 1998 as impaired due to nutrients and noxious aquatic plants, but they are not included in category 5 of the draft 2002 Report for these pollutants/causes. Please provide good cause documentation for this delisting.

See response to comment 10.

- L. **Creeks near Altus** known to be contaminated by pesticides- there appears to be no listing of creeks for which the USFWS has documented pesticide contamination near Altus. The names are believed to include Bitter Creek and Stinking Creek. Why are these not listed? Turkey Creek is listed on the 1998 303d list for pesticides but is not placed in Category 5 in the 2002 Report. Please provide documentation that there is good cause for this delisting.

Neither Bitter Creek nor Stinking Creek were listed on the 1998 list for pesticides. There is an existing fish consumption advisory for Bitter Creek so it will be included in Category 5 as impaired for the fish consumption use due to DDT and Toxaphene. This is the only fish consumption advisory currently in effect in the State. There are no data which meet the requirements of the adopted methodology that justify additional listings for Bitter Creek or Stinking Creek. Turkey Creek was listed in 1998 for pesticides, however there are no data to support that listing. DEQ has a funded monitoring project for pesticides in the Turkey Creek watershed that will provide additional data. Also, see response to comment 10.

36. (c) Lake Water Quality

- A. **Honey Creek Arm, Grand Lake** is in category 2. However, no one would swim in that area because it receives huge wastewater discharges from Simmons poultry processing plant and Southwest City, MO, municipal wastewater. It should be listed in category 5 as impaired for PBCR

Data for Grand Lake are insufficient to assess the Primary Body Contact use.

- B. **Wister Lake** has been removed from category 5 to category 3. However, years and years of studies have documented impairment of this lake. Its use for public water supply has been impaired, as have aesthetics, by excess nutrients. This is easily documented.

Staff review of existing data resulted in Wister Lake being placed in Category 5 for nutrients. See the section below summarizing Staff Identified Corrections.

- C. **Category 4** contains no reservoirs where TMDLs have been completed, however we should have TMDLs by now for Tenkiller, Eucha and Wister.

The TMDLs for Tenkiller, Eucha, and Wister have not been completed or approved by EPA, thus these lakes are not placed in Category 4. Other waterbodies were placed in Category 4, however. See the section below summarizing Staff Identified Corrections.

- D. **Stanley Draper** should be in category 5 as impaired for aesthetics due to objectionable color and muck.

Available data are sufficient to determine, in accordance with the adopted methodology, that Lake Stanley Draper is attaining the aesthetics beneficial use.

- E. **Fort Gibson** used to be listed for pesticides and is now delisted without explanation. Pesticides are often persistent in the environment – what proof is there that these are now gone?

See the responses to comments 10 and 15.C.

- F. **Lake Altus-Lugert** should be included in the Category 5 list. It can be documented that it has had several fish kills and chronic problems due to low water levels caused by a variety of factors, including releases for irrigation and sedimentation and probably temperature and DO.

Available data show that the aesthetics use for Lake Altus-Lugert is attained. Available data are insufficient to fully assess attainment status for other beneficial uses.

37. (c) No source data is provided for lakes included in category 5. This is necessary to comply with federal requirements.

See response to comment 34.

38. (g) The data used to assess certain waterbodies is inaccurate, or old, and does not reflect recent pollution control improvements on these waterbodies (Chisolm Creek and Spring Creek).

Data that did not meet the temporal requirements of the methodology were not used. However, the methodology does allow for use of data collected more than 5 years ago if more recent data are not available. The evaluation of these waterbodies was consistent with the adopted methodology.

39. **(d, e)** In accordance with state regulatory requirements, the monitoring segment lengths exceeding 25 miles should not be considered representative; however, in the report, there are numerous river and stream locations where monitoring has exceeded this limit. We think the longer monitoring segments listed in the integrated report have inflated the number of river and stream miles that are impaired.

The default length of 25 miles may be modified under the applicable rules. OAC 785:46-15-3(b) indicates that the spatial extent of assessment of use support in terms of stream miles will be determined after taking into account existing data, spatial distribution of monitoring sites, sources of pollution and influence of tributaries. These factors were considered for all Category 5 waterbodies greater than 25 miles in length in order to identify which waterbodies should be sub-segmented. Category 5 segments greater than 25 miles in length were evaluated for sub-segmenting when those waterbodies span major tributaries or when a major point source discharge is located on such a waterbody. Absence of the influence of major tributaries or major point sources of pollution or the presence of multiple monitoring sites on a single segment is considered a reasonable demonstration that monitoring data may be applied to the entire identified waterbody for use attainment purposes. For this evaluation, a major tributary is considered to be a USEPA Reach File 1 segment whose estimated 7Q10 flow – the value of SVTNFLOW in the RF1 dataset – is greater than one cubic foot per second and major point sources of pollution are those identified as major NPDES dischargers. There were 115 stream segments greater than 25 miles in length that were evaluated using these criteria. Based on this evaluation, 42 stream segments were identified which met the criteria for further subdivision. These segments were sub-segmented so that the review criteria were met. This resulted in some segments still longer than 25 miles but it was determined that it was appropriate to apply the results to the longer length. In the other 73 cases, it was determined that the monitoring results were representative of the entire stream segment. These changes to waterbody length resulted in changes to figures and tables summarizing Category 5 waters.

40. **(f)** Is the reason for the lack of waterbodies listed in Category 1 or Category 4 due to lack of data and/or that no waterbodies in Oklahoma meet the requirements for attainable use? Does DEQ anticipate that waterbodies will be moved into Category 1 or Category 4 in the 2003 Integrated Reports?

No waterbodies are listed in Category 1 for a variety of reasons. Some water bodies are not attaining all their designated uses. Many waterbodies have never been sampled and no data exist for them. Other waterbodies have limited data that do not allow for a complete assessment of all uses. Sixteen waterbodies were re-assigned to Category 4a because TMDLs

are complete. It is expected that as more data are collected in the future, additional streams will be fully assessed.

41. **(f)** We have concerns that streams removed from the 1998 303(d) list and placed into Category 3 will be passed over for future reclassification if data or information is not forthcoming. What mechanisms will be in place to ensure that these Category 3 waterbodies that do not meet the fishable/swimmable goal will be assessed and reclassified to either Category 4 or Category 5 in the near future?

In accordance with the adopted methodology, waterbodies previously listed on the 303d list have the highest priority for future monitoring. Using the rotating basin strategy, it is planned to complete monitoring for all such waterbodies in the next 5 years. The proposed monitoring schedule is included in the report. As additional data for these waterbodies are collected, the waterbodies will be re-classified based on those data.

42. **(f)** It is recommended for Category 4b waterbodies that a timeline be defined for these streams. Within a year, if the pollution control requirements are absent or water quality standards are not being met for these waterbodies then they should be reclassified as Category 5 in the subsequent Water Quality Assessment Integrated Report.

No waterbodies are proposed to be listed in Category 4b.

43. **(e, i)** There appears to be disparity between the length of the streams in Table 3 and the actual stream length monitored under the Beneficial Use Monitoring Program (BUMP). The guidance and rules for the BUMP process are found in the Continuing Planning Process Document and in OAS 785:46-15-3, which states that a stream segment longer than the 25 miles for non-wadeable streams and 10 miles for wadeable streams should be noted in the BUMP and the Integrated Reports, and that part of the stream length which is not monitored should be considered “not assessed” for impairment.

See response to comment 39.

44. **(i)** The Roubidoux Aquifer does not indicate whether it is groundwater impacted or not.

A “Yes” notation was added to the table, indicating groundwater impacts.

45. **(i)** Comments on CPP methodology (EFO)

See response to comment 29.

46. **(i)** Table 8 designation has been used to label two Tables, on page 39 and page 43.

The table headings have been corrected.

47. (i) What does the shading mean for individual waterbodies and what is the significance of the OKWBID numbers? Is there a key to reading them?

The information for every other waterbody is shaded only as an aid to the reader to facilitate viewing each separate waterbody record. Each stream or lake segment is assigned a unique number, the Oklahoma Water Body ID or OKWBID, to track information associated with that waterbody. A description of the waterbody system and a map of the watersheds on which it is based were added to the report as Appendix A. A complete description of the OKWBID system and the process for assigning numbers is also available on the DEQ website at http://www.deq.state.ok.us/WQDnew/305b_303d/okwbid_system.pdf

48. (i) Appendix C page C-63, comment on “comments” information. Have the numbers been corrected and verified in the laboratory?

Appendix C (now Appendix E) is a compilation of data collected by Oklahoma Water Watch volunteers. It has not been corrected or verified. It is included in the report for information only. These data were not utilized in making beneficial use attainment decisions.

49. (i) There are two pages designated as C-64 and C-65.

The page numbering has been corrected.

50. (i) Appendix C page C-67 and page C-85 comments on reporting values of specific conductance.

See response to comment 48.

51. (h) Specific INCOG waterbody issues.

A. Bird Creek (OK121300030290) - Proposed listing as Category 3. The 1998 303(d) list includes this segment for siltation (1100) and suspended solids (2100). Using FY-99 604(b) grant funds, INCOG completed a 10 event sampling program of a representative site on this segment for possible de-listing for suspended solids. All ten samples showed turbidity values less than 50 NTU for this segment. INCOG therefore recommends that this segment be considered fully supporting for the Fish and Wildlife Propagation (FWP) beneficial use with respect to turbidity.

The previous listings for suspended solids and siltation have been determined to be errors so they are removed. Even considering the additional data for turbidity, this segment remains in Category 3 because there are insufficient data on other parameters to completely assess the fish and wildlife propagation use.

- B. **Bird Creek (OK121300020010)** - *Proposed listing as Category 3.* The 1998 303(d) list includes this segment for pesticides and organic enrichment/DO. INCOG completed a 10 event sampling program at two representative sites on this segment (Avant and Sperry) for possible de-listing for organic enrichment/DO. All ten samples at each site showed dissolved oxygen (DO) greater than the criterion of 5 mg/L which indicates that this segment of Bird Creek is attaining the Fish and Wildlife Propagation (FWP) beneficial use for DO.

The previous listings for dissolved oxygen and pesticides are removed and these data support that decision. Even considering the additional data for dissolved oxygen, this segment remains in Category 3 because there are insufficient data on other parameters to completely assess the fish and wildlife propagation use.

- C. **Mingo Creek (OK121300010030)** - *Proposed listing as Category 2.* The 1998 303(d) list includes this segment for unknown toxicity (100) and metals (500). INCOG completed a 5 event sampling program of a representative site on this segment for possible de-listing for metals. Of the twelve metals monitored (those having water quality standards), eight were not measured above the detection limits and/or the most stringent water quality standard for the beneficial uses assigned to Mingo Creek. Four of the metals had one or more of the five measured values rejected for QA reasons, and re-sampling will be required to obtain the required five events. The metals that can be removed as sources of impairment are: arsenic, barium, chromium, copper, lead, nickel, silver and zinc. The metals that will require further sampling are cadmium, mercury, selenium and thallium. The re-sampling results should be available during some phase of State or EPA review of the draft Integrated Assessment report. INCOG will provide all re-sampling data once results are finalized. INCOG therefore recommends that this segment be considered fully supporting for the following beneficial uses for these eight metals: Fish and Wildlife Propagation (FWP) and Human Health for the Consumption of Fish (the Public and Private Water Supply beneficial uses do not apply to Mingo Creek). INCOG also recommends that the other four metals also be considered for removal during the review process once lab results are available.

The previous listing for metals has been removed and these data support that decision.

- D. **Lake Bixhoma** - *Proposed listing as Category 5.* Lake Bixhoma lies in steep valleys southeast of the City of Bixby. It is Bixby's water supply lake and was built in the late 1960s. The watershed is around 90% forested hills with no significant human activities or impacts. There are a few small acreages in the upper tributary reaches of low density pasture for hay or cattle (2001 aerial photo interpretation by INCOG). However these few land uses are too small and too far upstream to have any impact on the lake's DO profile. There are no homes, subdivisions, commercial or industrial sites or other potential sources of pollution in the watershed that could contribute to DO problems in the lake. Because there are no pollution sources or causes that can be addressed in a TMDL that would

improve DO in the reservoir, INCOG recommends that Lake Bixhoma be re-classified as Category 4C (impairment is not caused by a pollutant).

Monitoring by OWRB showed partial support for DO as more than 50% of water column was anoxic in summer. It would not be appropriate to list this as not impaired by a pollutant. Further study may be necessary to identify the specific pollution sources or to document that the low DO measurements are due to natural causes.

52. **(h)** Numerous listings of lakes for DO and pH impairment are likely due to the natural conditions of the lake and its watershed, and few from man-induced pollution sources. Modifications to the listing process (USAP) should be considered to take into account these natural conditions. INCOG recommends that the Category 5 listings of lakes be re-examined for the DO and pH causes, and relist the naturally impaired lakes into Category 4c or Category 2. In addition, if the USAP process is found to not function appropriately regarding DO and pH of lakes, then INCOG urges the DEQ and OWRB to develop amendments to USAP in the next water quality standards revision process to correct deficiencies.

If impairments are documented using the adopted methodology, they must be listed in Category 5 even if the pollutant sources are naturally-occurring. If further study demonstrates no impairment or natural conditions, other approaches than TMDL development would be appropriate. These could include site-specific criteria development or other adjustments to water quality criteria. The concerns regarding the USAP rules will be forwarded to OWRB.

53. **(h)** A number of streams in the Tulsa area are listed as Category 5 for pathogens and/or pesticides and are Blue Thumb sites: Haikey Creek (OK120410010210), Posey Creek (OK120420010030), Joe Creek (OK120420010050), Fred Creek (OK120400010060), Mosser Creek (OK120420010070) and Crow Creek (OK120420010090). It appears that Blue Thumb data are the sole data source for listing these streams in Category 5. INCOG recommends that the ODEQ investigate the source and quality of data for these particular Tulsa area streams, and all streams in Category 5, listed for pathogens and pesticides and reject the data and consequent Category 5 listing if the data are found to not conform to use of 40 CFR Part 136 methods and/or if the samples were not collected using proper sample chain of custody procedures.

Data for all the questioned streams were re-evaluated in conjunction with Oklahoma Conservation Commission personnel. These sites are part of the Blue Thumb program and Blue Thumb volunteers did, in some cases, participate in collecting water quality samples. In many of these cases, professional staff from the Conservation Commission were present to oversee sample collection. In all cases, the samples were analyzed using an accepted method, analyzed by certified personnel, and conducted under an EPA-approved QAPP. No field analyses were conducted for pesticides or pathogens. There is an approved Quality Assurance Project Plan for the Blue Thumb program. Given these facts, the data are acceptable for use in accordance with the adopted methodology. No Blue Thumb volunteers were involved in data collection at any other sites where a beneficial use attainment decision was made.

54. **(h)** Over one third of the draft Integrated Assessment report is devoted to Appendices of data from the Oklahoma Water Watch and Blue Thumb volunteer monitoring programs. In addition, the report's section titled "Citizen Monitoring" states, "The State considers data gathered by interested citizens of the State of Oklahoma to be an integral part of the water quality assessment process." These inclusions clearly indicate, whether intentional or not, that volunteer monitoring data have been used to assess impairment of beneficial uses. INCOG recommends that the Integrated Assessment report clearly state for what purpose volunteer monitoring data, if any, were used to make assessments in any of the report's categories.

The volunteer monitoring data are included in the report for information only. These data were not utilized in making beneficial use attainment decisions. The text has been clarified to reflect this.

Staff-Identified Corrections

1. Pollution sources listed in Table 3 were incorrect. Table 3 was revised and replaced.
2. Sixteen waterbodies were identified where a TMDL has been completed which addresses a pollutant for which the waterbody was listed on the last 303d list. These 16 waterbodies were placed in Category 4a of the Integrated Report.
3. Several Category 5 waterbodies were listed as impaired by "Salinity" or "Salinity/Chlorides/TDS". These were re-evaluated and the impairment cause was corrected to the particular pollutant responsible. There is no water quality standard for salinity.
4. Based on the Clean Lakes report and further studies conducted by OWRB, Lake Wister was retained in Category 5 for nutrients (phosphorus).
5. Based on evaluation of data from USGS, USFWS, and OWRB, Ft. Cobb Lake was retained in Category 5 for nutrients (phosphorus).
6. Based on a further review of OWRB data, Lake Thunderbird was placed in Category 5 for impairment of the Warm Water Aquatic Community use due to low dissolved oxygen.
7. The layout and data records included in the waterbody tables were modified for easier use and reading.