
OKLAHOMA'S NONPOINT SOURCE MANAGEMENT PROGRAM AND NONPOINT SOURCE ASSESSMENT REPORT

2000 – 2015

**PRIORITY WATERSHEDS
2006 Update**



Drafted by:

**Oklahoma Conservation Commission
Water Quality Programs**



EXECUTIVE SUMMARY

In 2000, the Oklahoma Conservation Commission (OCC) updated the State of Oklahoma's Nonpoint Source Management Program, describing the processes and programs used by the State of Oklahoma to address NPS pollution and conserve and improve its natural resources through responsible care. The mission statement of the NPS Program in Oklahoma is as follows:

Conserve and Improve Water Resources through Assessment, Planning, Education, and Implementation

This mission statement guides the activities of the NPS Program by developing a foundation for conservation, improvement, and restoration of water resources. In establishing an effective program to address NPS pollution, a hierarchy of tasks is followed to insure that a sound and pragmatic approach is undertaken. As outlined in the mission statement, the four major components are addressed in the plan: Assessment, Planning, Education, and Implementation.

The Oklahoma NPS Program is built upon the foundation of water quality standards with long-term goals to attain and maintain beneficial uses in all the State's waters. These long-term goals lead to short-term goals of reducing NPS pollution in the State's priority watersheds through implementation programs, identifying sources of NPS pollution in the State, and increasing the coverage of water quality enhanced education programs. These goals and objectives of the program focus in three main areas including definition of the NPS related water quality problems with reference to severity and temporal extent of the problems, definition of methods to solve the problems, and implementation of actions to solve the problems. The goals for the years 2000 - 2015 target specific priority watersheds, based on the Unified Watershed Assessment. These goals and objectives are ultimately the responsibility of numerous State and federal agencies. Cooperation among State and Federal agencies is essential for the success of this program and is addressed through several avenues including the activities of the NPS Working Group, multi-agency review of this framework document, and facilitation by the Office of the Secretary of the Environment (OSE).

In 1998, the State of Oklahoma prioritized its watersheds following strategies defined in the Clean Water Action Plan and developed a Unified Watershed Assessment (UWA). This UWA utilized the 1998 303(d) list of impaired streams as a foundation to list 150 stream segments or watersheds as priority one, or watersheds in need of immediate attention. This list included watersheds with limited historical information and watersheds where sources were believed to be primarily point source. The NPS Program, through the NPS Working Group, narrowed this list to 24 watersheds immediately appropriate for NPS action. These 24 watersheds were selected because sufficient historical information had been collected to identify the nature of the problem, as well as serving as a comparison to see whether corrective actions were successful, the water quality problem primarily stemmed from NPSs, and a significant portion of the watershed was in Oklahoma where the program could affect practices independent of the actions of another state.

However, the State recognized several weaknesses in the processes and programs used to develop its 1998 303(d) list and has been working to correct those weaknesses. The State has

expanded the parametric, geographical, and temporal coverage of its monitoring network, improved its Water Quality Standards, and standardized its assessment protocols. As a result, subsequent 303(d) lists are significantly different from the 1998 list. This period of time also saw improvements in the accuracy and quantity of additional data used in other portions of the Unified Watershed Assessment (UWA) prioritization process.

The State decided to update its Unified Watershed Assessment based on the upgraded information using a process that could easily be replicated each time a new 303(d) list was approved. In doing so, the OCC invited a technical subgroup of the NPS Working Group to participate in the update. The working group reviewed the processes used to develop the 1998 UWA, and recommended certain changes to the prioritization process based on new information and on perceived problems with the 1998 method gained from working with the list for more than six years. This document details the updating of the UWA and documents a new list of priority watersheds for the NPS Program to focus on through the year 2015.

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Introduction

In 1998, the State of Oklahoma prioritized its watersheds following strategies defined in the Clean Water Action Plan and developed a Unified Watershed Assessment (UWA). This UWA utilized the 1998 303(d) list of impaired streams as a foundation to list 150 stream segments or watersheds as priority one, or watersheds in need of immediate attention. This list included watersheds with limited historical information and watersheds where sources were believed to be primarily point source. The NPS Program, through the NPS Working Group, narrowed this list to 24 watersheds immediately appropriate for NPS action. These 24 watersheds were selected because sufficient historical information had been collected to identify the nature of the problem, as well as serving as a comparison to see whether corrective actions were successful, the water quality problem primarily stemmed from NPSs, and a significant portion of the watershed was in Oklahoma where the program could affect practices independent of the actions of another state.

However, the State recognized several weaknesses in the processes and programs used to develop its 1998 303(d) list and has been working to correct those weaknesses. The State has expanded the parametric, geographical, and temporal coverage of its monitoring network, improved its Water Quality Standards, and standardized its assessment protocols. As a result, subsequent 303(d) lists are significantly different from the 1998 list. This period of time also saw improvements in the accuracy and quantity of additional data used in other portions of the Unified Watershed Assessment (UWA) prioritization process.

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Improvements in the State’s Water Quality Programs

In the face of increasing pressure on water quality programs to document success towards Clean Water Act goals, the State of Oklahoma began improvements to its water quality programs to address shortcomings and plan for the future. These improvements, many of which were detailed in the 2000 NPS Management Program, include upgraded monitoring

programs, statewide databases, standardized assessment protocols, and improved Water Quality Standards.

The oldest, most consistent statewide water quality monitoring network in the State of Oklahoma is managed by the U.S. Geological Survey (USGS). However, cuts to USGS funding, plus a lack of available State match have often restricted the program and cause it to focus primarily on larger streams and rivers. State collected data was available on a sporadic basis, primarily tied temporally and spatially to project areas or known problem areas, rather than on a representative, statewide basis. As a result, the State believed that the 1998 303(d) list and 305(b) Report might not appropriately represent the Status of the State's waters, but might overemphasize potential problems, perhaps falsely labeling streams as impaired.

As a result, the State began two new monitoring programs, the Oklahoma Water Resources Board's (OWRB) Beneficial Use Monitoring Program (BUMP), and the OCC's Rotating Basin Monitoring Program. These programs dramatically increased the coverage of water quality monitoring programs in the State, adding or resuming routine collection at approximately 600 sites across the State.

The OWRB also continues to work with its State and Federal partners to upgrade Oklahoma's Water Quality Standards to more comprehensively address water quality pollution in the State. The OWRB generally reviews Oklahoma's Water Quality Standards annually, rather than the minimum triennial revision required by EPA. This annual revision allows the Standards to more quickly address new technology and information and to address errors or confusion found in using the standards to develop permits and complete water quality assessments.

In addition to annual revisions of the Water Quality Standards, the OWRB annually invites revision to the State's Use Support Assessment Protocols (USAP). The OWRB, together with its State and Federal partners, developed the USAP to better insure consistent assessments of the State's water resources. The USAP outlines the procedures and data requirements necessary to use the water quality standards to perform water quality assessment for purposes of making an impairment decision. The USAP eliminates the possibility of listing decisions based purely on best professional judgment such as windshield surveys, instead requiring decisions to be made on a consistent, scientifically-based approach.

Subsequent to the 1998 303(d) list and 305(b) Assessment Report, the State followed federal guidance and instead produced an Integrated Report, assembled by the Oklahoma Department of Environmental Quality (ODEQ). The Integrated Report combines the components of the NPS Assessment Report, 303(d) List, and 305 (b) Report all into one document. This combination reduces duplication of effort and encourages consistency in reporting and impairment decisions. At the same time, the State legislature required the ODEQ to develop a statewide water quality database and to become the State agency responsible for managing the State's water quality data. The ODEQ uses the Assessment Database (ADB) for housing the data relative to the State's Integrated Report, but also has a Geographic Information System (GIS) based, web-browser which allows public access to the State's water quality data.

Concurrent to the expanded scope of the State's water quality assessment programs, State and Federal Agencies are working together to reduce duplication of effort and increases consistency in monitoring programs through shared Standard Operating Procedures, trainings, and frequent communication.

NPS Working Group- UWA Work Group

The OCC and the USDA Natural Resources Conservation Service (NRCS) worked cooperatively with a group of technical experts representing NPS Working Group member Federal, State, and local governments and nonprofit groups to assess the methods and sources of data used to develop the 1998 UWA and make recommendations for future UWA updates. This group included representatives of the OWRB, ODEQ, Oklahoma Department of Wildlife Conservation (ODWC), Nature Conservancy, City of Tulsa, Oklahoma Rural Water Association, Oklahoma Corporation Commission (Corp. Comm.), NRCS, and OCC.

The agencies and groups cooperating in the UWA process represented some of the greatest in-state technical authorities with regard to the sources and types of data used in the 1998 UWA, as well as representing the groups who would use the UWA in their programs.

Method

Whereas the 1998 UWA categorized and ranked all the State's HUC 11 watersheds, this UWA group chose to focus on the prioritization of Category I Watersheds- or Watersheds in Need of Restoration. According to the 1998 UWA, Category I Watersheds are defined as: "those where clean water and other natural resources are impaired or threatened. For Oklahoma, those watersheds with 25% or greater of stream miles listed as impaired or threatened (based on the 303(d) list) were placed in category I." 303(d)-listed waters are the current focal point of most programs funded through the Clean Water Act; therefore prioritization beyond category I was not deemed necessary. Future updates of the UWA might include additional category watersheds as the state addresses Category I waters.

Determining Percent Threatened/Impaired Waterbodies: Delineating Category I Watersheds

The UWA Working Group elected to follow the 1998 list method for determination of percent threatened/impaired waterbodies. The State's 303(d) list (Appendix A), compiled by ODEQ, was related to a spatial GIS coverage produced by the OCC which contains stream lengths, lake areas, and Oklahoma water body identification numbers (WBID) for all water bodies within the state. The USGS has provided Oklahoma with eleven-digit hydrologic boundaries that define subwatersheds (HUC 11 watersheds) of larger eight-digit hydrologic units (HUC-8 watersheds). The total length of streams and area of lakes listed on the 303(d) list was determined for each HUC-11 watershed. From these totals, the percent of impaired or threatened waterbodies for each HUC-11 watershed was determined for both streams and lakes .

Lake area and stream length units must be standardized by some method to combine the two into a total measure of units of impairment within a watershed. Again, the group elected to use the 1998 UWA method to equilibrate lake area to stream length. An equivalence factor was determined for area of lakes and length of streams in the State. This factor of 0.28618 meters stream length per one square meter area of lake was used to convert lake area to stream miles such that a weighted percent of impaired or threatened waterbodies could be calculated for each watershed. A spreadsheet summarizing this process is found in Appendix B.

Long Term Goal

By 2015, the State of Oklahoma's NPS Program will establish a State-approved Watershed Restoration Action Strategy, TMDL, or implementation plan (unless the original basis for listing a waterbody is no longer valid) to restore and maintain beneficial uses in all watersheds identified as impacted by NPS pollution in the 1998 303(d) List (Appendix A). The 1998 303(d) List identifies 8,156 miles of stream and 291,293 acres of lake area as impaired or fully supporting but threatened. By 2020, the State will attain and maintain beneficial uses in waterbodies listed on the 303(d) list as threatened or impaired by NPS pollution.

Short Term Goals

Goal One Beginning in 1999, the State of Oklahoma will follow the priorities established by the Unified Watershed Assessment, TMDL schedule, and the NPS Working Group following the schedules shown in **Table 1** to reduce NPS loading in the top ten priority watersheds by the percentages shown therein to address 653 stream miles (eight percent of the 303(d) listed streams and one percent of the state's total stream miles) and affect loadings to 104,688 acres of lakes (34% the 303(d) listed acres and ten percent of the state's total lake acres).

Table 1. Goals and Milestones for Top Ten NPS Priority Watersheds for the Next Five to Fifteen Years.

Priority Watersheds	Stream Miles and Lake Area Listed on 303(d) List*	Causes	General Sources	Short-term Goals	Projected Actions/Milestones	Projected Time Frame
Lake Eucha- 2,860 lake acres and 81 miles of stream	1,916 lake acres or 67% of the lake area and 17 miles or 21% of watershed stream miles are listed on the 303(d) list.	Nutrients	Agriculture, Wastewater	Reduce NPS Phosphorus Loading by 75% in the Beaty Creek Watershed; achieve overall reduction of mean instream P conc. in Beaty Creek of 0.05 mg/l	Preimplementation Monitoring-Cause and Source Identification Clean Lakes Study	1993-1997
					Establish Watershed Advisory Group	1999
					WRAS Development	1999
					TMDL Development	04/2000
					Develop 319 Workplan	1998
					Implementation of Practices	1999-2004
					Post-implementation Monitoring	2004-2006
Illinois River- 450 miles of stream and 14,120 lake acres	12,708 lake acres or 90% of the lake area and 175 miles or 39% of the stream miles are listed on the 303(d) list.	Nutrients, Siltation, Pesticides, Habitat Alteration, Organic Enrichment / DO, Ammonia, Metals, Pathogens, Unknown Toxicity	Agriculture, Wastewater, Construction, Removal of Riparian Vegetation, Land Development, Flow Regulation, Silviculture, Streambank Stabilization	Reduce NPS Loading in 175 miles or 39% of the Oklahoma portion of the Illinois River Watershed to a level that will no longer threaten or impair beneficial uses.	Evaluation of Measures of Success	2000-2007
					Preimplementation Monitoring-Cause and Source Identification National Eutrophication Survey USGS Monitoring Clean Lakes Study	1970-1999
					Establish Watershed Advisory Group	1999
					WRAS Development	1999
					TMDL Development	1996-2000
					Develop 319 Workplan	2000
					Implementation of Practices	2000-2005
					Post-implementation Monitoring	2005-2007
					Evaluation of Measures of Success	2001-2007

*- acreage and mileage values and percentages calculated from GIS analysis during UWA development.

Priority Watersheds	Stream Miles and Lake Area Listed on 303(d) List*	Causes	General Sources	Short-term Goals	Projected Actions/Milestones	Projected Time Frame
Wister Lake-7500 lake acres and 422 miles of stream	6675 acres or 89% of the lake area and 54 miles or 13% of the stream miles are listed on the 303(d) list.	Nutrients, Organic Enrichment / DO, Siltation, Metals, Taste and Odor, Suspended Solids, Flow Alteration	Wastewater, Agriculture, Highway Maintenance, Spills	Reduce NPS loading in 54 miles or 13% of the watershed to a level that will no longer threaten or impair beneficial uses	Preimplementation Monitoring-Cause and Source Identification Clean Lakes Study USGS Monitoring	1980s – 1999
					Establish Watershed Advisory Group	1990
					WRAS Development	2000
					TMDL Development	04/2000
					Develop 319 Workplan	2000
					Implementation of Practices	2001-2006
					Post-implementation Monitoring	2006-2008
Grand Lake-46,500 lake acres and 389 stream miles in the State of Oklahoma	45,570 acres or 98% of the lake area and 101 miles of stream or 26% of the stream miles in Oklahoma are listed on the 303(d) list.	Nutrients, Organic Enrichment / DO, Pesticides, Metals, pH, Siltation, Unknown Toxicity	Agriculture, Construction, In-place Contaminants , Urban Runoff, Resource Extraction / Exploration, Mill and Mine Tailings	Reduce NPS loading in 101 miles (26%) of the Oklahoma portion of the watershed to a level that will no longer threaten or impair beneficial uses.	Evaluation of Measures of Success	2002-2009
					Preimplementation Monitoring-Cause and Source Identification Clean Lakes Study USGS Monitoring Load Verification Monitoring	1990 – 2000
					Establish Watershed Advisory Group	2001
					WRAS Development	2001
					TMDL Development	1996-2000
					Develop 319 Workplan	2001
					Implementation of Practices	2002-2007
					Post-implementation Monitoring	2007-2009
					Evaluation of Measures of Success	2003-2010

Keystone Reservoir- 405 miles and 23,600 acres	20,068 acres (85%) and 137 miles (34%) of stream miles are listed on the 303(d) list.	Priority Organics, Metals, Siltation, Organic Enrich. / DO, Thermal Strat., Flow Alt., Habitat Alt., Susp. Solids	Agriculture, Petroleum Act., Flow Reg., Channelization, Highway Maint., In-place Contams.		Planning on Keystone is Deferred Pending Revisiting by the NPS Working Group and Oklahoma Water Quality Monitoring Council	
Priority Watersheds	Stream Miles and Lake Area Listed on 303(d) List*	Causes	General Sources	Short-term Goals	Projected Actions/Milestones	Projected Time Frame
Broken Bow- 224 stream miles & 14,200 lake acres	24 miles (11%) of stream miles and 13,774 (97%) of the lake area is listed on the 303(d) list	Nutrients, Metals, Pesticides, Siltation, pH, Organic Enrich. / DO, Suspended Solids, Total Toxics	Nonpoint Source, Silviculture, Atmospheric Deposition, In-Place Contams.		Planning on Broken Bow is Deferred Pending Completion of Significant Implementation Efforts by ODA-Forestry and Potential Delisting from the 303(d) List	
Dog Creek- 67 stream miles	43 miles or 63% of the stream miles in the watershed are listed on the 303(d) list.	Nutrients, Metals, Siltation, pH, Organic Enrichment / DO, Suspended Solids, Habitat Alterations	Wastewater, Resource Extrapolation / Exploration	Reduce NPS loading in 43 miles or 63% of the watershed to a level that will no longer threaten or impair beneficial uses.	Preimplementation Monitoring-Cause and Source Identification	1993 – 2000
					Establish Watershed Advisory Group	2002
					WRAS Development	2001
					TMDL Development	1993-2000
					Develop 319 Workplan	2002
					Implementation of Practices	2003-2008
					Post-implementation Monitoring	2008-2010
					Evaluation of Measures of Success	2004-2011
Ft. Cobb- 98 stream	3977 acres or 97% of the lake	Nutrients, Pesticides,	Agriculture, Petroleum	Reduce NPS loading in 40	Preimplementation Monitoring-Cause and Source Identification	1990s – 2001

miles and 4,100 lake acres	area and 40 miles or 41% of the stream miles are listed on the 303(d) list.	Siltation, Suspended Solids, Unknown Toxicity, Exotic Species, Habitat Alterations	Act., Channelization, Highway Maint., Removal of Riparian Vegetation	miles (41%) of the watershed to a level that will no longer threaten or impair beneficial uses.	Establish Watershed Advisory Group	2003
					WRAS Development	2001
					TMDL Development	2000
					Develop 319 Workplan	2003
					Implementation of Practices	2004-2009
					Post-implementation Monitoring	2009-2011
					Evaluation of Measures of Success	2005-2012

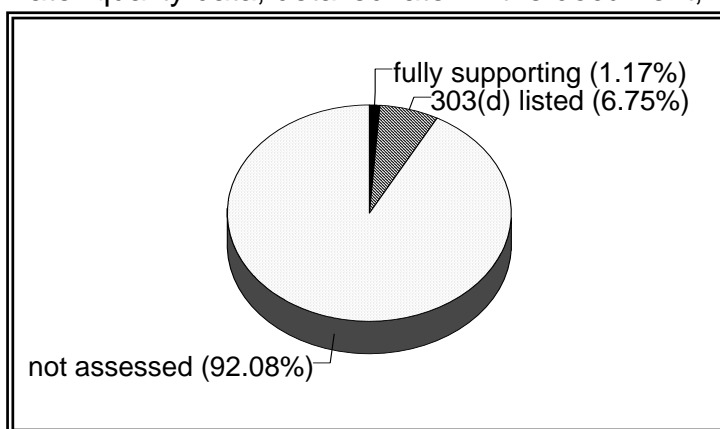
Priority Watersheds	Stream Miles and Lake Area Listed on 303(d) List*	Causes	General Sources	Short-term Goals	Projected Actions/Milestones	Projected Time Frame
Turkey Creek- 105 stream miles	39 miles or 37% of the stream miles are listed on the 303(d) list.	Siltation, Suspended Solids, Nutrients,	Agriculture	Reduce NPS loading in 39 miles or 37% of the watershed to a level that will no longer threaten or impair beneficial uses.	Preimplementation Monitoring-Cause and Source Identification	1990s - 1999
					Establish Watershed Advisory Group	2004
					WRAS Development	2001
					TMDL Development	2000
					Develop 319 Workplan	2004
					Implementation of Practices	2005-2010
					Post-implementation Monitoring	2010-2012
Washita River- 111 stream miles	23 miles or 20% of the stream miles are listed on the 303(d) list.	Siltation, Pesticides, Unknown Toxicity, Nutrients, Suspended	Agriculture, Petroleum Activities, Channelization, Streambank	Reduce NPS loading in 23 miles or 20% of the watershed to a level that will	Evaluation of Measures of Success	2006-2013
					Preimplementation Monitoring-Cause and Source Identification	1990s – 2000
					Establish Watershed Advisory Group	2005
					WRAS Development	2001
					TMDL Development	2000

		Solids, Total Toxics, Salinity	Destabilization, Removal of Riparian Vegetation	no longer threaten or impair beneficial uses.	Develop 319 Workplan	2005
					Implementation of Practices	2006-2011
					Post-implementation Monitoring	2011-2013
					Evaluation of Measures of Success	2007-2014

II. Prioritization and Assessment of NPS Pollution

Prioritization of Oklahoma's NPS Management Program

Oklahoma has approximately 78,800 miles of streams and over 1,000,000 acres of lakes of which the State has only assessed a small percentage (approximately eight percent of stream miles (**Figure 2**) and sixty percent of reservoir area). In addition, much of the data available is dated or may somehow otherwise be of less than appropriate quality for the purposes of overall prioritization. This lack of assessment has been due to many factors, most of which stems from the lack of spatially and temporally consistent monitoring programs in the State. Oklahoma is currently implementing new monitoring programs and procedures for consistently evaluating water quality data, detailed later in the document, which directly address this



shortcoming. However, in the mean time, Oklahoma must utilize the information it has to make decisions to direct its water quality programs.

Of the stream miles assessed and deemed fully supporting but threatened or not supporting beneficial uses to some degree, the majority (56%) are deemed threatened (**Figure 3**). The leading causes of nonsupport are siltation, pesticides, nutrients, and suspended solids. Nonpoint sources of pollution are major contributors to these causes.

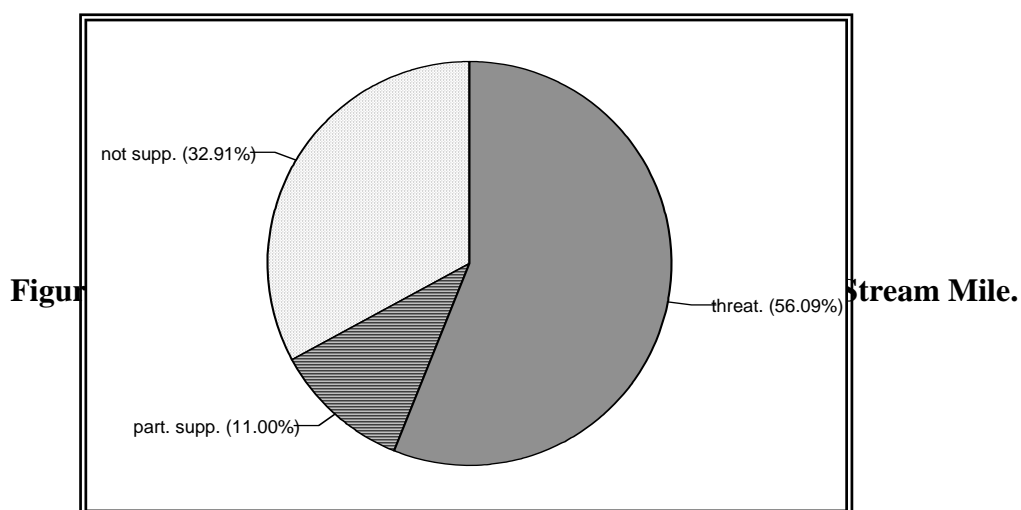


Figure 3. Types of Nonsupport.

The State of Oklahoma determined that given the dated nature of the current NPS Assessment report (with respect to age of the data and the new State protocols for assessing beneficial use support, the most appropriate methods for immediate prioritization of NPS efforts would follow the watershed-based approaches detailed in federal guidance defining the Unified Watershed Assessment.

The 1998 Clean Water Action Plan (CWAP) was a major step toward identifying waters to target for restoration or protective measures. Following the CWAP, the State brought together all State, tribal, federal and local entities working in water quality to compile water quality information and prioritize watersheds. The State of Oklahoma developed a Unified Watershed Assessment (UWA) in 1998. The UWA was based on the 1988 319(h) NPS Assessment Report, the 1998 305(b) Report, and the 1998 303(d) List (**Figure 4**). Once the NPS Assessment Report has been updated based on current monitoring and USAP, this plan will more closely follow the recommendations of the NPS Assessment Report.

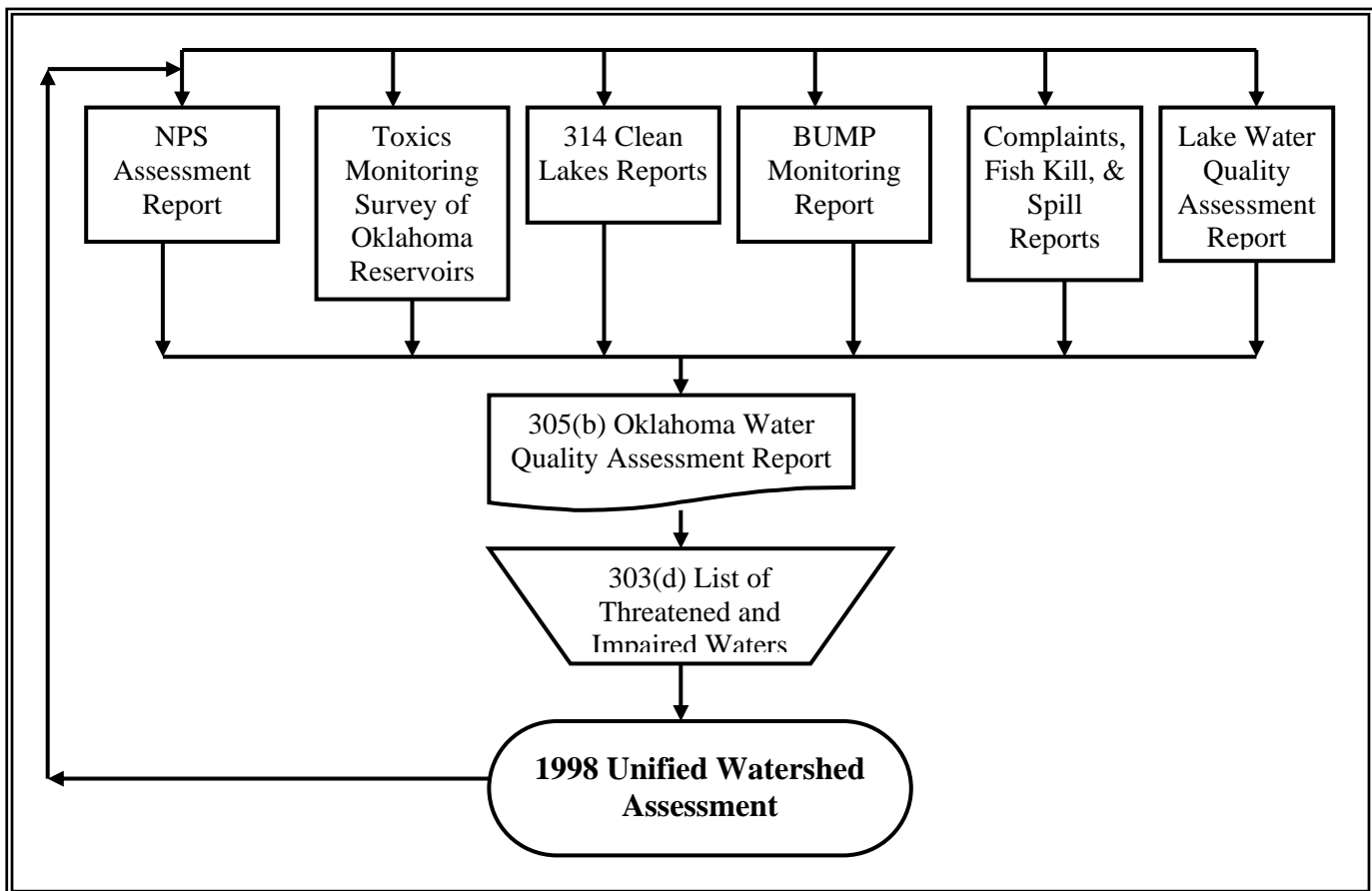


Figure 4. Development of Oklahoma's 1998 Unified Watershed Assessment.

Oklahoma's UWA lists 150 Priority I Watersheds (HUC 11) or watersheds in need of immediate attention to reduce pollution. **Figure 5** illustrates these priority watersheds delineated as HUC 11 digit watersheds. The UWA coverage represents approximately 40% of the total water resources of the state and 7829 miles or 96% of the stream miles and 273, 815 acres or 94% of the lake acreage listed on the 1998 303(d) list. Oklahoma's 1998 303(d) List of Threatened or Impaired Waterbodies identified 531 waterbody segments as impaired (or threatened to be impaired within two years) by 1431 impairments of 25 different types, primarily sediment and nutrient related (Appendix A). The magnitude of the list necessitates focusing programs on areas where the problem is believed to be most significant and where implementation efforts can be most effective given the type of impairment, population affected,

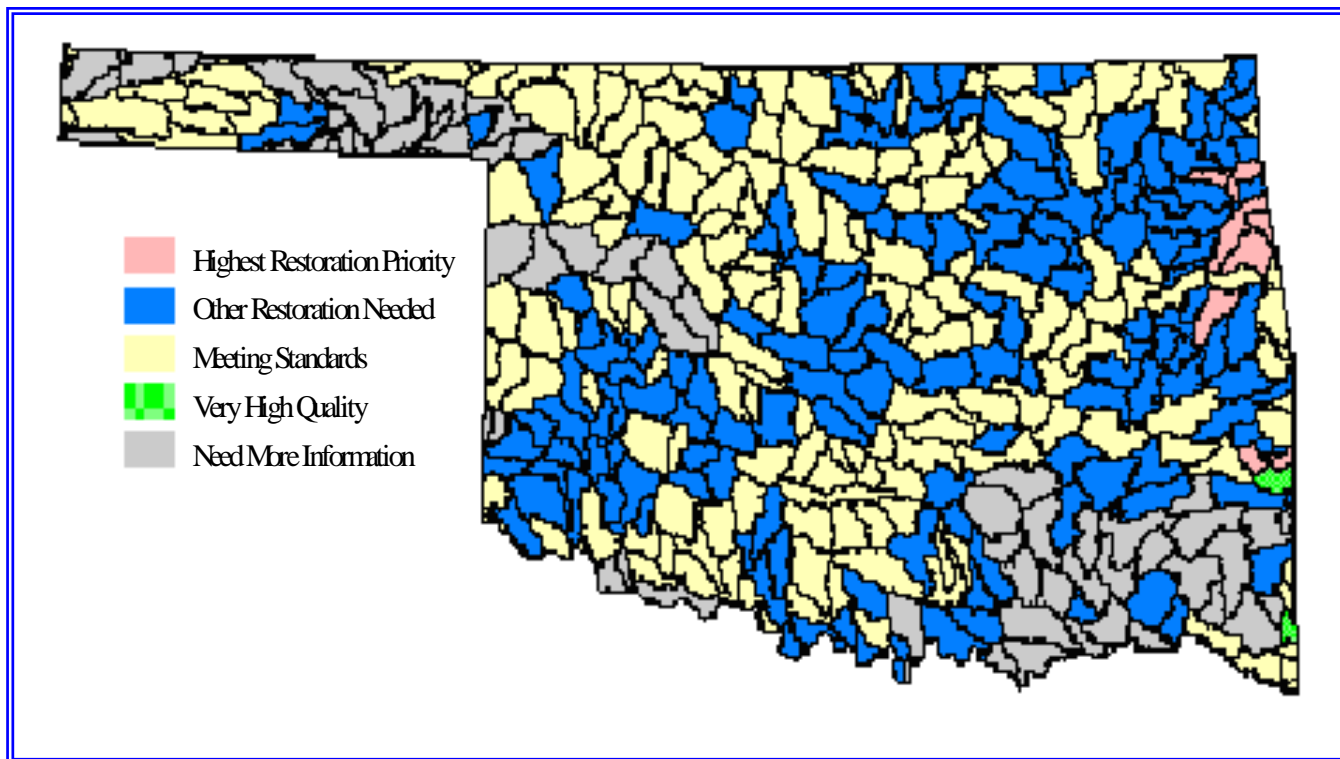


Figure 5. Unified Watershed Assessment Watershed Prioritization

and the likelihood of restoring the beneficial use support. The UWA helped delineate these areas.

However, the UWA also considers factors such as proximity to major metropolitan areas and sourcewater issues in listing watersheds, thus not all UWA watersheds have 303(d) listed streams. In addition, the UWA includes watersheds with both point source and NPS related concerns. Because of these two factors, the OCC and the Nonpoint Source Working Group narrowed the UWA list to twenty- four watersheds most currently suitable for NPS control activities (Figure 6).

These twenty four represent watersheds where sufficient background information on the cause and extent of the water quality problem is available such that a NPS control program could be implemented and future information compared with that currently available to show water quality improvement (or lack of improvement) due to the NPS program. In addition, these watersheds were deemed suitable because most of the watershed lay within the boundaries of

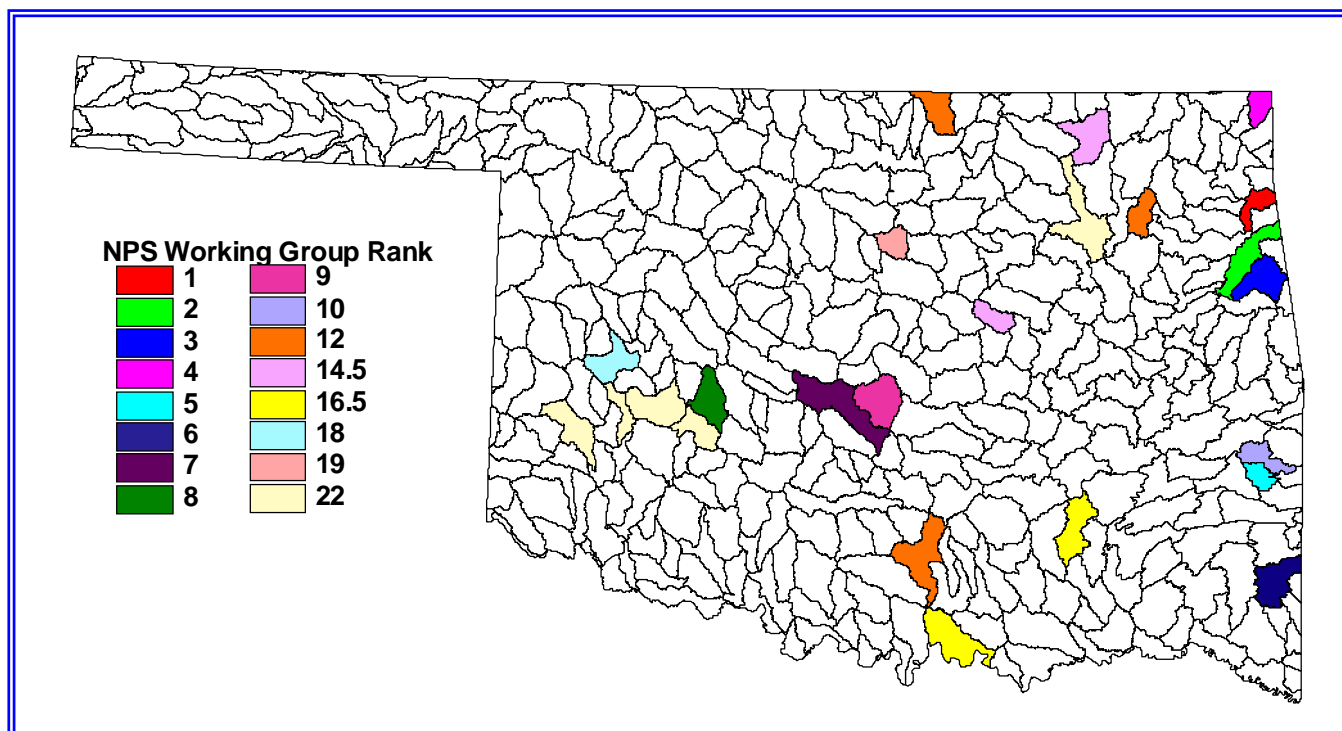


Figure 6. NPS Working Group Prioritization of Watersheds.

Oklahoma and NPS pollution was deemed the significant contributor to water quality problems. The state estimates, based on past demonstration programs, that an average of at least five years (fewer years in watersheds where efforts are already underway and more years in watersheds where information is lacking) will be required to implement programs including assessment of the problem, planning, coordination, and implementation of remedial efforts and education to inform the local citizens about the importance of water quality and monitoring to demonstrate water quality improvements.

The State plans to measure its success in working towards its goals by systematically assessing water quality across the state and identifying threats, impairments, causes and sources. This assessment process is defined later document. The State will then systematically develop remedial strategies, implement and educate in these watersheds using tools described in the Tools section on page 37 such as Local Watershed Advisory Groups, Watershed Restoration Action Strategies, Total Maximum Daily Loads and other appropriate tools and activities described in the section beginning on page 86 of this report. Finally, the State will evaluate the success of these programs in working towards the long-term goals with follow up with monitoring as described in Table 1 and Section IV on page 86. For ubiquitous pollutants the State's objective is to pursue education and support the current permitting programs for things like AFO's and construction.

As stated previously, the Oklahoma program for NPS management follows a stepwise pattern beginning with assessment of the waters of the State, planning and prioritization, implementation and education, followed by evaluation of measures of success. The following section details the programs Oklahoma has in place for Assessment.

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APPENDIX A:
1998 303(d) List

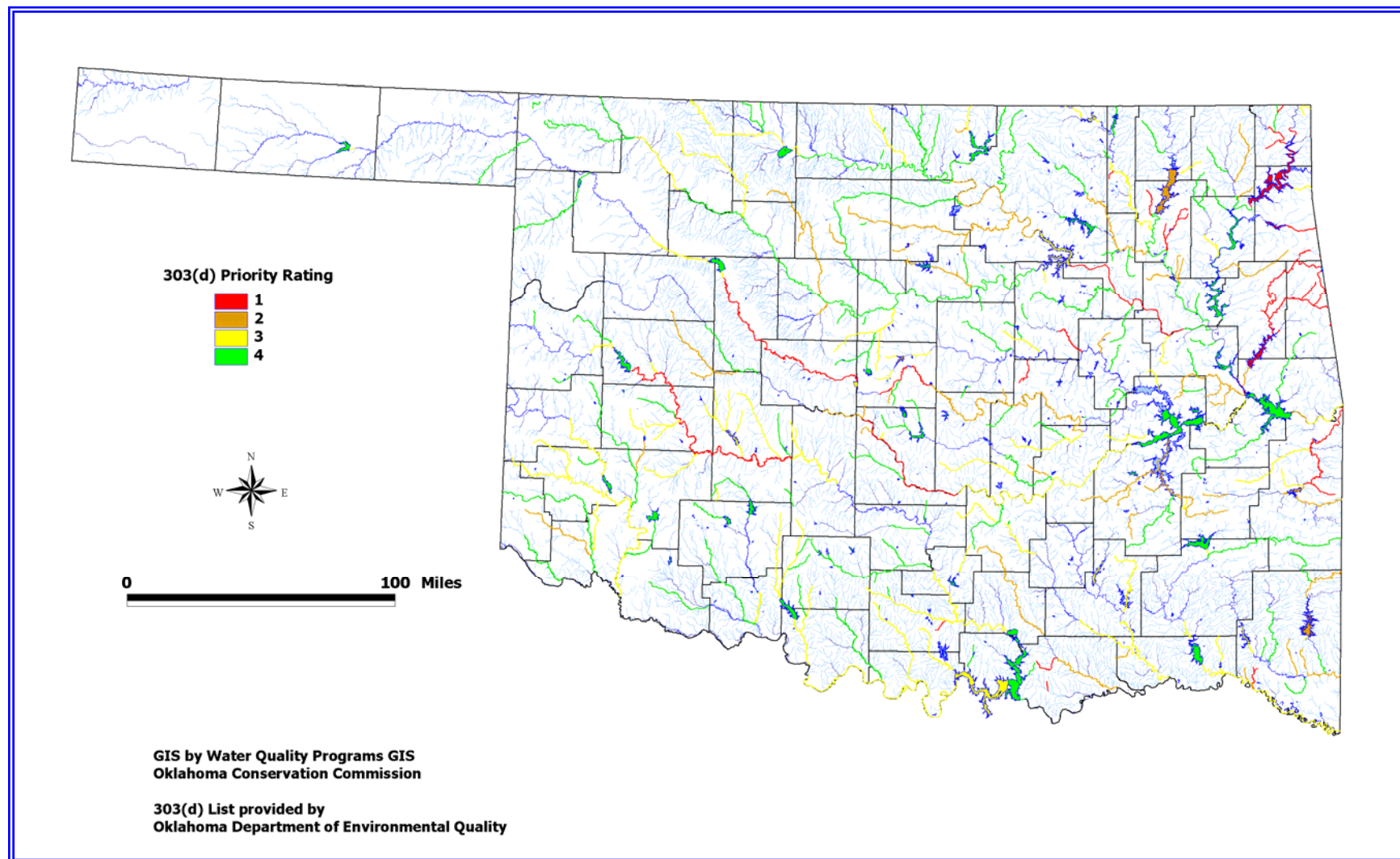


Figure A. 1998 303(d) Listed Waters of Oklahoma.

Appendix A

Waterbody I.D.	Name	Cause(s)										Source(s)										Priority	Schedule	Comments
OK121500020150	Adams Creek	500	1000	1100								5100	8500									2	2000-2003	
OK520700020080	Adams Creek	1200										6200										2	2000-2003	Beggs discharge
OK310820020140	Allen's Lake	1300										5500										4	2008-2010	Added 1998. Pollution problem related to petroleum activities. Limited 1994 sampling/data.
OK311510010020	Altus-Lugert Lake	1400										9000										4	2008-2010	
OK520620010100	American Horse Lake	900										9000										4	2008-2010	
OK310800020100	Arbuckle Lake	1300										8200	9000									4	2008-2010	Included from duplicate listing for Rock Creek(Arbuckle Res.)
OK520710020020	Arcadia Reservoir	200	2100									1000	4000									2	2000-2003	Clean Lakes report forthcoming.
OK120400010060	Arkansas River	900	1200									1400	1500	1600	6200							1	1998-1999	Muskogee, Ft. Howard & OG&E are located in this segment
OK120410010080	Arkansas River	200	300	1700								1500	1800	4100	4300	6500	1100	1300	1400			1	1998-1999	
OK120420010010	Arkansas River	200	300	500	1700							1500	1800	4100	4300	6500	1100	1300	1400			1	1998-1999	Metals detected in discharges
OK120420010130	Arkansas River	200	300	500	1700							1500	1800	4100	4300	6500	1100	1300	1400			1	1998-1999	Metals detected in discharges
OK220200020010	Arkansas River	1100	1200									1400	1500	1600	4100	4300	5100	7300	1100			2	2000-2003	
OK621200010010	Arkansas River	900	300									9000										2	2000-2003	
OK621200010040	Arkansas River	300	900	1100	2100							1000	8300	8500	8600							2	2000-2003	
OK621200010200	Arkansas River	100	900	1100	1600							8600	1100	1200	7600							2	2000-2003	Oilfield pollution no longer a known problem
OK621200020010	Arkansas River	100	900	1100	1600	2100						1400	1500	7600								2	2000-2003	Oilfield pollution no longer a known problem
OK220200010010	Arkansas River	1100	1200									9000										3	2004-2007	
OK621210000030	Arkansas River	900	1100	1200	2000	2100						100	8300									3	2004-2007	
OK120410010010	Arkansas River	200	300	1700								1000	4000									4	2008-2010	
OK621210000010	Arkansas River	400	900	1100	2100							1000	4000									4	2008-2010	
OK120400010010	Arkansas River	900	1200									1400	1500	1600	6200							1	1998-1999	Muskogee, Ft. Howard & OG&E are located in this segment
OK621010010010	Arkansas River, Salt Fork	200	500	900	1100	2100						1100	9000									3	2004-2007	Oilfield pollution no longer a known problem
OK621010010160	Arkansas River, Salt Fork	100	200	900	1100	1200	1600	2100				1100	1200	1400	1500	1600	7100	7600	7700	8300		3	2004-2007	Oilfield pollution no longer a known problem
OK621010010220	Arkansas River, Salt Fork	100	200	900	1100	1600	2100	2100				1100	1200	1400	1500	7100	7600	7700	8300			3	2004-2007	Oilfield pollution no longer a known problem
OK621000010010	Arkansas River, Salt Fork	200	500	700	900	1100	1300	2100				5500										4	2008-2010	
OK621000020010	Arkansas River, Salt Fork	500	700	2100								9000										4	2008-2010	Oilfield pollution no longer a known problem
OK410400080020	Atoka Lake	500	900	1100	2100							1100	1400	1500								3	2004-2007	Nutrients added to causes. Metals cause code moved from duplicate listing. Priority raised.

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Waterbody I.D.	Name	Cause(s)										Source(s)										Priority	Schedule	Comments	
OK310840020080	Baker Lake	900	1100	2100	2400							1500	7400	8300									4	2008-2010	Oilfield pollution no longer a known problem
OK121700030370	Ballard Creek	600	900	1200	2500							9000											1	1998-1999	Priority raised. Included in Illinois River project
OK220100040080	Bandy Creek	1200										6200											2	2000-2003	Included in Wister Lake project. Completion not expected by 2000. Priority lowered.
OK310830030200	Barnitz Creek	900										1100	1200	1400	1500								3	2004-2007	
OK121700020310	Baron Fork	200	900	1100								1000	1800	7400									1	1998-1999	Priority raised. Included in Illinois River project. Cause code 1100 added 1998 per OSRC input. Source codes 1800, 7400 added 1998 per AG input.
OK121700050010	Baron Fork	200	900	1100	1200	1600						1100	1300	1400	1500	1600	1800	2000	6500	7400	7600	7700	1	1998-1999	Priority raised. Included in Illinois River project. Source code 7400 added 1998 per AG input.
OK121700050170	Baron Fork	900	1100									1100	1400	1500	1600	1800	2000	6500	7400	7600			1	1998-1999	Included in Illinois River project. Cause code 1100 added 1998 per OSRC input. Source code 7400 added 1998 per AG input.
OK311200000030	Beaver Creek	1200	1500									7000	9000										3	2004-2007	
OK311210000010	Beaver Creek	500	900	1100	1200	2100						1100	1400	1500	1800	4000	7700						3	2004-2007	
OK621210000050	Beaver Creek	100	1100	2100								1500											4	2008-2010	Oilfield pollution no longer a known problem
OK121600020190	Big Cabin Creek	500										5000											4	2008-2010	
OK121600060010	Big Cabin Creek	500	1000	1100	2100							5100	8500										4	2008-2010	
OK620900020100	Big Creek	1100	2100									9000											4	2008-2010	
OK620900020110	Big Creek	100										9000											4	2008-2010	
OK410210060160	Big Eagle Creek	200	1000									1800	2000	2200	9000								1	1998 - 1999	Source codes 1800, 2000, 2200 added 1998 per USFWS input. Potential Leopard darter habitat. Priority raised.
OK121300010010	Bird Creek	200	500	1200								900	6200										2	2000-2003	
OK121300020010	Bird Creek	200	1200									900	6200										2	2000-2003	
OK520800010050	Bird Creek	1200										6200											2	2000-2003	
OK121300030010	Bird Creek	500										900											4	2008-2010	Pawhuska TMDL completed by INCOG. Priority lowered.
OK121300030290	Bird Creek	1100	2100									900											4	2008-2010	Pawhuska TMDL completed by INCOG. Priority lowered.
OK621000010130	Birds Nest Creek, Tributary	1300										5500											4	2008-2010	Added 1998. Pollution problem related to petroleum activities. Limited 1994 sampling/data.
OK311600020110	Bitter Creek	800	900	1300								1200	6200										3	2004-2007	Source code 6200 added 1998 per Farm Bureau input.
OK621100000100	Bitter Creek	1100	1600	2100																			4	2008-2010	Oilfield pollution no longer a known problem
OK621200030010	Black Bear Creek	200	1100	1600	2100							1100	1200	1300	1400	1500	1800	7600	7700	8300	9000		2	2000-2003	Oilfield pollution no longer a known problem
OK621200030260	Black Bear Creek	100	200	1100								1100	1200	1300	1400	1500	1800	7600	7700	8300	9000		2	2000-2003	Oilfield pollution no longer a known problem
OK220600030020	Blue Creek	500										8500											4	2008-2010	
OK410600010010	Blue River	900	2200									1800	5000										2	2000-2003	Source code 1800 added 1998 per AG input.

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Waterbody I.D.	Name	Cause(s)										Source(s)										Priority	Schedule	Comments		
OK410600020010	Blue River	900	2100									1100	1300	1800									2	2000-2003	Source code 1800 added 1998 per AG input.	
OK121300030300	Bluestem Reservoir	1100	2100									1500												4	2008-2010	
OK620910040140	Bluff Creek	500	1100	2100								3000	4100	4300										4	2008-2010	
OK310830030100	Boggy Creek	200										1000												4	2008-2010	
OK620910010090	Boggy Creek	100	200	600								1000	9000											4	2008-2010	
OK120410020070	Boynton Lake	900										9000												4	2008-2010	
OK220100030010	Brazil Creek	500	900	1000	2100							1100	1300	1400	1500	1600	5100							3	2004-2007	
OK410210050020	Broken Bow Lake	500	900	1100	1200	2100	2400					900	4300	8500	9000									2	2000-2003	Source/cause codes moved from duplicate listing. Mercury detected in fish. DO added to causes.
OK620900040090	Brush Creek	1100	2100									1100	1500	1800	7700									2	2000-2003	
OK220600050100	Brushy Creek	200	500	1000	1200							8500	9000											3	2004-2007	
OK220600030010	Brushy Creek	200										9000												4	2008-2010	
OK620920050010	Buffalo Creek	200										9000												4	2008-2010	
OK120400020160	Butler Creek	1100										4100	4300											4	2008-2010	
OK410100010450	Buzzard Creek (Millerton)	1200										6200												1	1998-1999	
OK410100010456	Buzzard Creek, Tributary (Millerton)	1100	1200									6200												1	1998-1999	
OK310810010150	Byars Lake	1100	2100									8600												4	2008-2010	
OK311300010020	Cache Creek, East	200	1200									900	1000											3	2004-2007	
OK311300030010	Cache Creek, East	1100	2100									1000	1100											4	2008-2010	
OK311310020020	Cache Creek, West	200										9000												4	2008-2010	
OK310800030010	Caddo Creek	200	900									1300	1400	1500	9000									3	2004-2007	
OK310800030260	Caddo Creek, tributary (S24,T2S,R3W)	1300										5500												4	2008-2010	Added 1998. Pollution problem related to petroleum activities. Limited 1995 sampling/data.
OK310800030270	Caddo Creek, tributary (S3,T2S,R3W)	1300										5500												4	2008-2011	Added 1998. Pollution problem related to petroleum activities. Limited 1997 sampling/data.
OK121510020050	California Creek	200										9000												4	2008-2010	
OK520700030220	Camp Creek	200	1100	1300								1100	1500	1800	9000									4	2008-2010	
OK520700030230	Camp Creek	100										9000												4	2008-2010	
OK220600010010	Canadian River	1700										9000												2	2000-2003	
OK520610020010	Canadian River	200	900	1200								1000	1800	3200										2	2000-2003	Source code 3200 added 1998 per Farm Bureau input. Source code 1800 added 1998 per USFWS input.

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Waterbody I.D.	Name	Cause(s)										Source(s)										Priority	Schedule	Comments			
OK520620010010	Canadian River	1700										1100	1200	1300	1400	1500	1600	1800							2	2000-2003	
OK220300000010	Canadian River	500	900	1100	2000							5000													3	2004-2007	
OK220600010119	Canadian River	100	200	900	1100	1200	1600	1700	2100			1100	1200	1400	1500	3200	6500	7100	7600	8300					3	2004-2007	Oilfield pollution no longer a known problem
OK520600010010	Canadian River	100	200	900	100	1200	1600	1700	2100			1100	1200	1400	1500	1800	3200	6500	7100	7600	8300				3	2004-2007	Oilfield pollution no longer a known problem. Source code 1800 added 1998 per USFWS input.
OK520600020010	Canadian River	100	200	900	1100	1200	1600	2100				1100	1200	1400	1500	3200	6300	6500	7100	7400	7600	8300			3	2004-2007	Oilfield pollution no longer a known problem
OK520610010010	Canadian River (Norman)	200	900	1200								1000	4000												1	1998-1999	Source code 4000 added 1998 per Farm Bureau input.
OK520710010010	Canadian River, Deep Fork	200	500	900	1100	1700	2100					1000													3	2004-2007	
OK520710020060	Canadian River, Deep Fork	200	900	1100	1700							3000	4100	4300	6500	7100	7300	7500	7600	8300	8400				3	2004-2007	
OK520600030010	Canadian Sandy Creek	200										9000													4	2008-2010	
OK410700000120	Caney Creek (Durant)	1200	1500									6200	7000												1	1998-1999	
OK121700040010	Caney Creek (Stillwell Foods)	700	1200									6200	9000												1	1998-1999	
OK121400010010	Caney River	900	1100	2100								1000	4000												3	2004-2007	
OK121400030010	Caney River	900	1100	1500								1100	1300	1400	1500	7400	7600	8300							3	2004-2007	
OK720500010020	Canton Lake	200	900	1100	2100							1100	1200	1400	1500										4	2008-2010	
OK121600030360	Carey Bay, Grand Lake	100	200	500	600	900	1200					1000	1100	1400	1500	1600	1800	3000	4000	5000	8500	9000			1	1998-1999	Priority raised. Included in Grand Lake project. Potential Ozark cavefish habitat.
OK620900040280	Carl Blackwell Lake	1100	2100									1000	4000												4	2008-2010	
OK620920040070	Carmen Lake	500	900	1100	2300	2400	2500					900	1100	8500	9000										3	2004-2007	Priority lowered.
OK220100010180	Caston Creek	1200										6200													3	2004-2007	
OK121500020390	Cat Creek	1200										6200													1	1998-1999	
OK310830030070	Cavalry Creek	200	900	1100	2100							1100	1200	1400	7700										3	2004-2007	
OK310830030080	Cavalry Creek, South Fork	200	900	1100	2100							1100	1200	1400	7700										3	2004-2007	
OK121600030340	Cave Springs Branch	100	600	900	1200	2100	2200	2500				1100	1200	1400	1500	1600	1800	6200	7200						1	1998-1999	Source code 6200 (Simmons Industries) and cause code 2100 added 1998 per AG input. Priority raised. Potential Ozark cavefish habitat.
OK520700050060	Chandler Lake	900										900													4	2008-2010	
OK520520000110	Cherry Creek	900	1200									900													2	2000-2003	
OK621100000010	Chickaskia River	500										9000													4	2008-2010	
OK121600030220	Chigger Cove, Grand Lake	100	200	500	900	1200						1000	1100	1400	1600	1800	3000	4000	5000	6500	8500	8700			1	1998-1999	Priority raised. Included in Grand Lake project. Potential Ozark cavefish habitat.
OK120420020160	Childres Creek	1200	1300									5500	6200												2	2000-2003	Included in Polecat Creek TMDL completed by INCOG. Some oilfield remediation completed. Continuing salinity problem documented by INCOG. Kiefer flow increase requested.

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Waterbody I.D.	Name	Cause(s)										Source(s)														Priority	Schedule	Comments	
OK620910040100	Chisholm Creek	500	900	1100	2100							3100	3200	4100	4300	7100	7600	9000								3	2004-2007		
OK121500010070	Chouteau Lake	200										9000															4	2008-2010	
OK121500010210	Chouteau Lake	200										9000															4	2008-2010	
OK121500020020	Chouteau Lake	200										9000															4	2008-2010	
OK121510020320	Chouteau Lake Creek	200										9000															4	2008-2010	
OK220600030060	Chun Creek	1200										6200															2	2000-2003	
OK620920020010	Cimarron River	900	1100	1200	2100							1100	1200	1600	8500												3	2004-2007	Oilfield pollution no longer a known problem
OK620900010010	Cimarron River	200	1100	1300	1700	2100						900	8600														4	2008-2010	
OK620900010080	Cimarron River	200	1100	1300	1700	2100						1000	5500	8300	9000												4	2008-2010	
OK620900010170	Cimarron River	200	1100	1300	1600	1700	1900	2100				1100	1200	1400	1500	1600	1800	5500	7600	8300	8400	9000					4	2008-2010	
OK620900020010	Cimarron River	200	1100	1300	1600	1700	1900	2100				1100	1200	1400	1500	1600	1800	5500	7600	8300	8400	9000					4	2008-2010	
OK620900030010	Cimarron River	200	1100	1300	1600	1700	1900	2100				1100	1200	1400	1500	1600	1800	5500	7600	8300	8400	9000					4	2008-2010	
OK620910010010	Cimarron River	1100	2100									1100	1200														4	2008-2010	Oilfield pollution no longer a known problem
OK620910020010	Cimarron River	1100	2100									1100	1200														4	2008-2010	Oilfield pollution no longer a known problem
OK620920010010	Cimarron River	1100	2100									1100	1200	1800													4	2008-2010	Oilfield pollution no longer a known problem. Source code 1800 added 1998 per USFWS input.
OK620920030010	Cimarron River	1100	2100									1100	1200														4	2008-2010	Oilfield pollution no longer a known problem. Source code 1800 added 1998 per USFWS input.
OK410400020010	Clear Boggy Creek	200	900	1100	2100							1100	1300	1400	1500	4100	4300	9000									3	2004-2007	
OK410400040010	Clear Boggy Creek	200	900	1100	2100							1100	1300	1400	1500	4100	4300	9000									3	2004-2007	
OK621200010270	Cleveland Lake	900	1100	2100								900															4	2008-2010	
OK310830030280	Clinton Lake	1100	2100	2400								1100	1200	1400	1500	5500	7700										4	2008-2010	
OK120410010100	Cloud (Cane) Creek	200	900									1100	1400	1500	1800	4100	4300	9000									3	2004-2007	
OK120410020010	Cloud (Cane) Creek	200	900									9000															3	2004-2007	
OK220600020010	Coal Creek	900	1200									1100	1500	4100	4300												2	2000-2003	
OK121500010100	Coal Creek	100										9000															4	2008-2010	
OK520700010140	Coal Creek	500										8500															4	2000-2003	Henryetta TMDL completed by ODEQ. Priority lowered.
OK410400030090	Coal Creek, Tributary	1300										5500															4	2008-2010	Added 1998. Pollution problem related to petroleum activities. Limited 1993 sampling/data.
OK410400060040	Coalgate Municipal Lake	900	1100	2100	2200	2500						900	1000														3	2004-2007	Priority raised.

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Waterbody I.D.	Name	Cause(s)										Source(s)										Priority	Schedule	Comments					
OK310830060010	Cobb Creek	900	1100	2100								1100	1200	1300	1400	1500	1800	8300								3	2004-2007	Fort Cobb project. Source code 1800 added 1998 per BuRec input.	
OK310830060050	Cobb Creek	200	900	1100	2100							1100	1200	1300	1500	7100	8300	9000									3	2004-2007	Oilfield pollution no longer a known problem. Fort Cobb project
OK121400010040	Collinsville Lake	100										9000															4	2008-2010	
OK311310020190	Comanche Lake	900	1100	2100								9000															4	2008-2010	
OK120400010400	Coody Creek	100	1300									9000															4	2008-2010	
OK121400050020	Copan Lake	2100										1000															4	2008-2010	
OK620900010140	Cottonwood Creek	200	1200									100	1600	4000													3	2004-2007	
OK620910010050	Cottonwood Creek	200	1200									1000	4000														3	2004-2007	
OK620910040010	Cottonwood Creek	200	1200									1100	1200	1400	1500	1600	1800	4100	4300								3	2004-2007	
OK121600030500	Council Cove, Grand Lake	200	500	100	1100							1000	3000	4000	5000	8300											1	1998-1999	Priority raised. Included in Grand Lake project. Potential Ozark cavefish habitat.
OK121600030260	Courthouse Hollow Cove, Grand Lake	200	500	900	100		1200					1000	1100	1400	1600	1800	3000	4000	5000	6500	8500	8700					1	1998-1999	Priority raised. Included in Grand Lake project. Potential Ozark cavefish habitat.
OK520610010230	Cow Creek	1200										6200															2	2000-2003	OKC South Canadian plant is on this stream
Ok621200030340	Cow Creek	900	1100	1600	2100	2400						900	1000	1100	1400	4300	7600	7700									2	2000-2003	Corrected name. Not Perry Lake
OK311200000060	Cow Creek	100	200	900	1200							1000	9000														3	2004-2007	
OK621200030340	Cow Creek	900	1100	2100								1000															3	2004-2007	
OK310830060130	Crowder Lake	900	1200	2100								1000															3	2004-2007	Added 1998 based on OWRB assessment
OK520520000060	Crutcho Creek	100										9000															4	2008-2010	
OK520520000070	Crutcho Creek	100										9000															4	2008-2010	
OK520520000090	Crutcho Creek	100										9000															4	2008-2010	
OK520520030270	Crutcho Creek	100	500									9000															4	2008-2010	
OK720500010260	Crystal Beach Lake	900	2100	2200								4100	4300														4	2008-2010	
OK620900020120	Cushing Lake	100	2100	2400								1100	1400	1500													3	2004-2007	Priority raised.
OK311310030040	Deep Red Creek	200	1100	2100								9000															4	2008-2010	
OK220600020080	Deer Creek	900	1600									1000															2	2000-2003	
OK520620010080	Deer Creek	900	1100									1100	1300	1400	1500	1800											2	2000-2003	Source code 1800 added 1998 per USFWS input.
OK520620060010	Deer Creek	900	1100									1100	1300	1400	1500	1800											2	2000-2003	Source code 1800 added 1998 per USFWS input.
OK621000010100	Deer Creek	900	1100	2100								1000															3	2004-2007	

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Waterbody I.D.	Name	Cause(s)										Source(s)										Priority	Schedule	Comments		
OK621000040010	Deer Creek	900	1100									1100	1400	1500									3	2004-2007		
OK620910040120	Deer Creek	2100										9000												4	2008-2010	
OK121600030300	Dilar Cove	100	200	500	600	900	1000	1200				1000	1100	1400	1500	1600	1800	3000	4000	5000	8500	9000		1	1998-1999	Priority raised. Included in Grand Lake project. Potential Ozark cavefish habitat.
OK121300010140	Dirty Butter Creek	1600										7600												4	2008-2010	
OK120400020010	Dirty Creek	200										9000												2	2000-2003	
OK120400010020	Dirty Creek (Checotah)	200	500	1000								9000												2	2000-2003	
OK120400020030	Dirty Creek, South Fork	100	500	800								8500												4	2008-2010	
OK121500020360	Dog Creek (Claremore & others)	900	1600									5000												1	1998-1999	
OK121500040010	Dog Creek (Claremore & others)	900										9000												1	1998-1999	
OK311200000080	Dry Creek	1600	2100									9000												4	2008-2010	
OK520700040020	Dry Creek	200										9000												4	2008-2010	
OK621000040080	Dry Creek, Tributary	1300										5500												4	2008-2010	Added 1998. Pollution problem related to petroleum activities. Limited 1997 sampling/data.
OK620910060140	Dry Salt Creek	1200										6200												2	2000-2003	
OK621100000030	Duck Creek	200										9000												4	2008-2010	
OK121600030080	Duck Creek Cove, Grand Lake	100	500	900	1000	1200						1000	1100	1400	1600	1800	3000	4000	5000	6500	8500	8700		1	1998-1999	Priority raised. Included in Grand Lake project. Potential Ozark cavefish habitat.
OK620920040010	Eagle Chief Creek	200	900	1100	1600	2100						1100	1200	1400	1500	1600	9000							3	2004-2007	
OK121600030350	Echo Bay, Grand Lake	100	200	500	600	900	1200					1000	1100	1400	1500	1600	1800	3000	4000	5000	9000			1	1998-1999	Priority raised. Included in Grand Lake project. Potential Ozark cavefish habitat.
OK121400040020	Eliza Creek	200										9000												4	2008-2010	
OK311500030120	Elk City Lake	2100										900												4	2008-2010	
OK311500010100	Elk Creek	100	1100	2100								9000												4	2008-2010	Elk City WLA completed by ODEQ.
OK311500030030	Elk Creek	100										8400												4	2008-2010	
OK520810000100	Elk Creek	500										9000												4	2008-2010	
OK120400020190	Elk Creek (Checotah)	200										9000												2	2000-2003	
OK620910050070	Elmer Lake	900	1100	2100								9000												4	2008-2010	
OK310810030060	Elmore City Lake	1100	2100									1100	1300	1400	1500									4	2008-2010	
OK121600050070	Eucha Lake	900										1000	1600											1	1998-1999	Source codes 1000, 1600 added 1998. Priority raised. Potential Ozark cavefish habitat.
OK220600010020	Eufaula Lake	1500										7400												4	2008-2010	

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Waterbody I.D.	Name	Cause(s)										Source(s)										Priority	Schedule	Comments		
OK220600010050	Eufaula Lake, Canadian River Arm	1100	2100									1100	1400	1500										4	2008-2010	
OK520500010020	Eufaula Lake, Canadian River Arm, (LWR)	1100	1200	2100								1100	1400	1500										4	2008-2010	
OK220600010090	Eufaula Lake, Mill Creek Arm	100	600	900	1100	2100						1100	1400	1500										4	2008-2010	Oilfield pollution no longer a known problem
OK720500020220	Evans Chambers Lake	1100	1600	2100								1100	1200	1400	1500	4100	4300							4	2008-2010	
OK720500010280	Field Station Lake	900	2100	2200								1100	1200	1400	1500	4100	4300							4	2008-2010	
OK310830060080	Fivemile Creek	900	1100	2100								1100	1200	1300	1400	1500	7100	7600	8300					3	2004 - 2007	
OK121600070110	Fivemile Creek	900	1200									1100	1500	1600	1800									1	1998 - 1999	Priority raised 1998. Included in Grand Lake project. Potential Ozark cavefish habitat.
OK310800030260	Flag Creek	1900										5500												4	2008-2010	Added 1998. Pollution problem related to petroleum activities. Limited 1997 sampling/data.
OK121600010240	Flat Rock Bay Ft. Gibson Lake	300										8500												4	2008-2010	
OK121300010120	Flat rock Creek	1600										7600												4	2008-2010	
OK121700060010	Flint Creek	200	500	600	900	1100	1200	1700				1100	1400	1500	1600	1800	6500	7600	9000					1	1998-1999	Included in Illinois River project. Cause code 1100 added 1998 per OSRC input.
OK310830060020	Fort Cobb Reservoir	200	2100	2600								900	100											3	2004-2007	Priority raised. Fort Cobb project
OK121600010050	Fort Gibson Lake	200	300	500	900	1100						1100	1200	1400	1500	4000	4300	6500	8500					4	2008-2010	
OK121600010200	Fort Gibson Lake, Upper	300										8500												4	2008-2010	
OK720500030010	Fort Supply Lake	1100	2100									900	4300											4	2008-2010	Priority lowered. Impairment may be due to natural conditions.
OK720500030020	Fort Supply Lake	200	500	900	1100							1100	1200	1500	9000									4	2008-2010	Priority lowered. Impairment may be due to natural conditions.
OK310840010020	Foss Reservoir	200	1300	2100								1000	9000											4	2008-2010	Cause code 1300 & source code 9000 added 1998 per Farm Bureau & BuRec input.
OK220100040010	Fourche Maline Creek	900										1300	1400	1500	1600									2	2000-2003	Included in Wister Lake project. Completion not expected by 2000. Priority lowered.
OK121500030070	Fourmile Creek (Oolagah)	1200										900	6200											1	1998-1999	
OK311310030120	Frederick Lake	2100										1000												4	2008-2010	
OK310810040050	Fuqua Lake	500										9000												4	2008-2010	
OK220600040010	Gaines Creek	200	500	1000	1100	2100						5100	8500											2	2000-2003	
OK410100010460	Garland Creek (Weyerhauser)	1200										6200												2	2000-2003	
OK410300010020	Gates Creek	900	2200									9000												3	2004-2007	
OK410300010030	Gates Creek	900										9000												3	2004-2007	
OK520700010080	Gentry Creek	900	1100	2100								1100	1400	1500										3	2004-2007	
OK120400020110	George's Fork	900										6200												2	2000-2003	

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Waterbody I.D.	Name	Cause(s)										Source(s)										Priority	Schedule	Comments		
OK310820020130	Gladys Creek	100										8500	9000										4	2008-2010	Added from duplicate listing for Lower Gladys Creek	
OK410210080010	Glover Creek, Middle	900	100	2200								1100	1400	1500	1600	1800	2200	5400	8100					1	1998 - 1999	Source codes 1800, 2200, 5400 added 1998 per USFWS input. Priority raised. Potential Leopard darter habitat.
OK410210010020	Glover River	1000										1800	2200	5400	9000									1	1999 - 1999	Source code 5400 added 1998 per USFWS input. Priority raised. Potential Leopard darter habitat.
OK311310020200	Grama Lake	900	2200	2400								9000												4	2008-2010	
OK621010010020	Great Salt Plains Lake	200	500	900	1100	2100						1100	1200	1400	1800	8300								4	2008-2010	Source code 1800 added 1998 per USFWS input.
OK120400010130	Greenleaf Lake	100	900									9000												4	2008-2010	
OK620910040060	Guthrie Lake	2100										9000												4	2008-2010	
OK620910030220	Hackberry Creek	1200										6200												2	2000-2003	Waukomis discharge
OK311600020170	Hall Lake	100										9000												4	2008-2010	
OK311100010130	Hauani Creek	1100										9000												4	2008-2010	
OK311100010140	Hauani Lake	2100										1100	1400	1500										4	2008-2010	
OK311800000040	Haystack Creek	900	1100	1600	2100							1100	1200	1400	1500									3	2004-2007	
OK311100030130	Healdton City Lake	100	200	900	1100	2100						1000	1400	1500	8300									4	2008-2010	Added from duplicate listing for Healdton Lake
OK620910040200	Hefner Lake	200	900									1000												4	2008-2010	
OK311210000080	Hell Creek	1100	1600	2100								1100	1300	1400	1500									4	2008-2010	
OK120420020300	Heyburn Reservoir	300	500	1100	1300	2100						900	1000											3	2004-2007	
OK311100010160	Hickory Creek	200	900									1100	1400	1500	9000									3	2004-2007	
OK311100020010	Hickory Creek	200	900									1100	1400	1500	9000									3	2004-2007	
OK520700030270	Hillbilly Creek	1200										6200												1	1998-1999	Added 1998. Potential impacts from Paden discharge due to UAA results
OK311500030060	Hobart Lake (Rocky Hobart)	900	1100	2100								1100	1200	1400	1500									4	2008-2010	
OK520810000030	Hog Creek	500										9000												4	2008-2010	
OK121300040070	Hominy Creek	200										9000												4	2008-2010	
OK121600030170	Horse Creek Cove	200	500	900	1000							1000	1100	1400	1600	1800	3000	4000	5000	6500	8500	8700		1	1998-1999	Included in Grand Lake project. Afton TMDL completed. Potential Ozark cavefish habitat.
OK410210010060	Horse Head Creek	100										1800	2200	9000										1	1998-1999	Cause codes 1800, 2200 added 1998 per USFWS input. Priority raised. Potential Ouachita rock-pocketbook, Winged mapleleaf habitat.
OK121600040040	Hudson Creek (Fairland)	1200	2200									6200												1	1998-1999	
OK121600020020	Hudson Lake, Lower	500	100	1100								5100	8500											4	2008-2010	
OK121600020140	Hudson Lake, Upper	500	1000	1100								5100	8500											4	2008-2010	

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Waterbody I.D.	Name	Cause(s)										Source(s)										Priority	Schedule	Comments			
OK410300020020	Hugo Lake	900	1100	2100	2400							1100	1400	1500	2300									4	2008-2010		
OK121400030020	Hulah Lake	500	2100									9000												3	2004-2007		
OK121700020010	Illinois River	1100	1200	1500								900	7400											1	1998-1999	Included in Illinois River project. Cause code 1100 added 1998 per OSRC input.	
OK121700020210	Illinois River	1100	1200	1500								900	7400											1	1998-1999	Included in Illinois River project. Cause code 1100 added 1998 per OSRC input.	
OK121700020300	Illinois River	500	900	1100	1200							1100	1300	1400	1500	1600	1800	3100	3200	6500	7400	9000		1	1998-1999	Priority raised. Included in Illinois River project	
OK121700030010	Illinois River	500	900	1100	1200							1100	1300	1400	1500	1600	1800	3100	3200	6500	7400	9000		1	1998-1999	Priority raised. Included in Illinois River project	
OK121700030080	Illinois River	500	900	1100	1200							1100	1300	1400	1500	1600	1800	3100	3200	6500	7400	9000		1	1998-1999	Priority raised. Included in Illinois River project	
OK121700030280	Illinois River	500	900	1100	1200							1100	1300	1400	1500	1600	1800	3100	3200	6500	7400	9000		1	1998-1999	Priority raised. Included in Illinois River project	
OK121700030350	Illinois River	900	1100	1200	2200							900	1100	1300	1400	1500	1600	1800	3100	3200	6500	7300	7400		1	1998-1999	Priority raised. Included in Illinois River project
OK121700010010	Illinois River	1200	1500									900	7400											2	2000-2003	Priority lowered. Segment below Lake Tenkiller	
OK121500020110	Inola Creek	1200										6200												2	2000-2003	Inola discharge	
OK310820010160	Ionine Creek	900	1100	2100								1100	1500	1800	7700									3	2004-2007		
OK310820010200	Ionine Creek, East	900	1100	2100								1100	1200	1400	1500	1800	7700							3	2004-2007		
OK310820010210	Ionine Creek, West	900	1100	2100								1100	1200	1400	1500	1800	7700							3	2004-2007		
OK310820010160	Ionine River	900	1600	2100								1100	1500	1800	7700									3	2004-2007		
OK410310010020	Jackfork Creek	200	900									1000	1800											1	1998-1999	Cause code 1800 added 1998 per USFWS input. Priority raised. Potential Ouachita rock-pocketbook, Winged mapleleaf habitat.	
OK121600010150	Jackson Bay, Ft. Gibson Lake	200	300	900	1100							1100	1200	1400	1500	4300	6500	8500						4	2008-2010		
OK311200000140	Jap Beaver Lake	2100										9000												4	2008-2010		
OK310800030140	Jean Neustadt Lake	2400										900												4	2008-2010		
OK621210000020	Kaw Lake (Arkansas River)	200	900	1100	1200	1400	1500	2600				100	1400	1500	5500	7400								4	2008-2010		
OK621210000040	Kaw Lake, Arkansas River Arm	900	1100	1200	1400	1500	1600	2000	2100	2200		1100	1400	1500	7400	8300								4	2008-2010	Oilfield pollution no longer a known problem	
OK621210000060	Kaw Lake, Beaver Creek Arm	900	1100	1200	1400	1500	1600	2000	2100	2200		1100	1400	1500	7400	8300								4	2008-2010	Oilfield pollution no longer a known problem	
OK121400010320	Keeler Creek (Ochelata)	1100	1200									6200												1	1998-1999		
OK620900010020	Keystone Lake	300	500	2100								9000												3	2004-2007		
OK621200010020	Keystone Lake	300	900	1100	1200	1400	1500	2100				1100	1200	1400	1500	7400	8300	8500						3	2004-2007	Oilfield pollution no longer a known problem	
OK621200010050	Keystone Lake, Arkansas	300	900	1100	1200	1300	1400	1500	2100			1100	1200	1400	1500	5500	7400	8300	8500					3	2004-2008		
OK620900010090	Keystone Lake, Cimarron	1100	1200	1400	1600	2100						1100	1200	1400	1500	7100	7400	7600	8300	8600				3	2004-2009	Oilfield pollution no longer a known problem	

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Waterbody I.D.	Name	Cause(s)										Source(s)										Priority	Schedule	Comments			
OK410300010010	Kiamichi River	900	1000	2100	2200	2600						1100	1400	1500	1800	8100								1	1998 - 1999	Source code 1800 added 1998 per USFWS input. Priority raised. Potential Ouachita rock-pocketbook, Winged mapleleaf habitat.	
OK410300020010	Kiamichi River	900	100	1100	2100							1100	1400	1500	1800	8100									1	1998 - 1999	Source code 1800 added 1998 per USFWS input. Priority raised. Potential Ouachita rock-pocketbook, Winged mapleleaf habitat.
OK410310010010	Kiamichi River	1000										1800	8100												1	1998 - 1999	Source code 1800 added 1998 per USFWS input. Priority raised. Potential Ouachita rock-pocketbook, Winged mapleleaf habitat.
OK410310020010	Kiamichi River	1000										1800	8100												1	1998 - 1999	Source code 1800 added 1998 per USFWS input. Priority raised. Potential Ouachita rock-pocketbook, Winged mapleleaf habitat.
OK620910020020	Kingfisher Creek	900	1100	2100								1000													2	2000-2003	
OK720500020130	Kiowa Creek	200										1000													4	2008-2010	
OK121300010040	Knudson Creek	100										9000													4	2008-2010	
OK310830060040	Lake Creek	100	200	900	1100	1600	2100					1100	1200	1300	1400	1500	1800	7100	7600	8300					3	2004-2007	Priority raised. Fort Cobb project. Source code 1800 added 1998 per BuRec input.
OK311510010040	Lake Creek	900	1100	2100								1000													4	2008-2010	
OK410400040170	Lake Creek	200	1100	2100								3200	4100	4300	9000										4	2008-2010	
OK121600030020	Lake O' the Cherokees (Grand)	200	500	900	1000	1200	2400					1000	1100	1400	1600	1800	3000	4000	4300	5000	6500	8500	8700		1	1998-1999	Priority raised. Included in Grand Lake project. Potential Ozark cavefish habitat.
OK121600030060	Lake O' the Cherokees (Grand)	200	500	900	1000	1200						1000	1100	1400	1600	1800	3000	4000	5000	6500	8500	8700			1	1998-1999	Priority raised. Included in Grand Lake project. Potential Ozark cavefish habitat.
OK121600030380	Lake O' the Cherokees (Grand)	200	500	1000	1100							3000	4000	5000	8500										1	1998-1999	Priority raised. Included in Grand Lake project. Potential Ozark cavefish habitat.
OK121600030290	Lake O' the Cherokees, Honey Creek	100	600	900	1200	2200						1100	1400	1500	1600	1800	6200	9000							1	1998-1999	Priority raised. Included in Grand Lake project. Source code 6200 (Simmons Industries) and cause code 2200 added 1998 per AG input. Potential Ozark cavefish habitat.
OK121600030150	Lake O' the Cherokees, Lower Middle	200	500	900	100	1200						1000	1100	1400	1600	1800	3000	4000	5000	6500	8500	8700			1	1998-1999	Priority raised. Included in Grand Lake project. Potential Ozark cavefish habitat.
OK121600030280	Lake O' the Cherokees, Middle	100	200	500	600	900	1000					1000	1100	1400	1500	1600	1800	3000	4000	5000	6500	8500	9000		1	1998-1999	Priority raised. Included in Grand Lake project. Potential Ozark cavefish habitat.
OK121600040020	Lake O' the Cherokees, Neosho	200	500	1000	1100							1000	1100	1400	1500	3000	4000	5000	8500						1	1998-1999	Priority raised. Included in Grand Lake project. Potential Ozark cavefish habitat.
OK121510010130	Lightning Creek	900	1100									1100	1400	1500	5100										3	2004-2007	
OK311210000050	Little Beaver Creek	200	900	1100	2100							1100	1200	1300	1400	1500	1800	7700	9000						3	2004-2007	
OK121600060080	Little Cabin Creek (Welch)	500	1000	1100	2100							5100	8500												2	2000-2003	
OK121400020140	Little Caney River	1100	2100									1000													4	2008-2010	
OK121400050010	Little Caney River	1100	1600	2100								1100	1300	1400	1500	7600	7700	8300							4	2008-2010	
OK520620060040	Little Deep Fork	1200										6200													2	2000-2003	
OK520700060010	Little Deep Fork Creek (Bristow & Depew)	200	900	1100	1200							1100	1300	1400	1500	4100	4300	6200							1	1998-1999	Oilfield pollution no longer a known problem
OK121500040030	Little Dog Creek	500	1000	1100	2100							500													1	1998-1999	
OK311500030050	Little Elk Creek (Hobart Lake)	900	1100	2100	2200							1100	1200	1400	1500										3	2004-2007	

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Waterbody I.D.	Name	Cause(s)										Source(s)										Priority	Schedule	Comments		
OK121600070120	Little Fivemile Creek	900	1200									1100	1500	1600	1800									1	1998 - 1999	Priority raised. Potential Ozark cavefish habitat.
OK121610000160	Little Pryor Creek	500	100	1100	2100							5100	8500											4	2008-2010	
OK410200010010	Little River	1000										1800	2000	8100	9000									1	1998 - 1999	Source code 1800 added 1998 per USFWS input. Priority raised. Potential Ouachita rock-pocketbook, Winged mapleleaf habitat.
OK410210020010	Little River	200	900	1000	1100	2100						1800	2000	8100	9000									1	1999 - 1999	Source code 1800 added 1998 per USFWS input. Priority raised. Potential Ouachita rock-pocketbook, Winged mapleleaf habitat.
OK520800010010	Little River	200	2600									9000												4	2008-2010	
OK520800010090	Little River	200										9000	6300											4	2008-2010	
OK520810000080	Little River	500										9000												4	2008-2010	
OK620900040050	Little Stillwater Creek	1100	2100									1100	1500	1800	7700									4	2008-2010	
OK520500020090	Little Wewoka Creek	1600	2100									9000												4	2008-2010	
OK311300030010	Liverty Lake, East Cashe Creek	900	2200									9000												4	2008-2010	
OK121600010170	Long Bay, Ft. Gibson Lake	200	300	900	1100							1100	1200	1500	4300	6500	8500							4	2008-2010	
OK310820020070	Louis Burtschi Lake	900										9000												4	2008-2010	
OK410210070010	Lukfata Creek	200	1000									1800	8100	9000										1	1998-1999	Source code 1800 added 1998 per USFWS input. Priority raised. Potential Ouachita rock-pocketbook, Winged mapleleaf habitat.
OK121600040100	Lytle Creek	1200										6200												1	1998-1999	Added 1998. Potential impacts from Picher discharge due to UAA results
OK121520010130	Madden (Lightening Creek)	900	1100									1000												3	2004-2007	
OK520620010010	Mark Creek	1700										1600												4	2008-2010	
OK410400020020	Mayhew Creek (Boswell)	900										6200												2	2000-2003	
OK220600020030	McAlester Lake	200	1100	2100								1100	1400	1500										4	2008-2010	
OK310820020110	McCarty Creek	1300										5500												4	2008-2010	Added 1998. Pollution problem related to petroleum activities. Limited 1994 sampling/data.
OK410400050280	McGee Creek	500										9000												3	2004-2007	
OK311300040060	Medicine Creek	500										8500												4	2008-2010	
OK621010030010	Medicine Lodge River	200	1100	2100								9000												4	2008-2010	
OK520700040370	Meeker Lake	2000	2100	2200								9000												4	2008-2010	
OK520610010200	Merkle Creek	100	200	900	1100	1600	2200					1100	4100	4300	7600	7700	8500							3	2004-2007	Oilfield pollution no longer a known problem
OK220600010100	Mill Creek	100	600	900	1100	2100						1100	1400	1500										3	2004-2007	Oilfield pollution no longer a known problem
OK410400040090	Mill Creek, tributary (S29,T2N,R7E)	1300										5500												4	2008 - 2010	Added 1998. Pollution problem related to petroleum activities. Limited 1997 sampling/data.
OK410600010300	Mineral Bayou (Durant)	1200										6200												1	1998-1999	

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Waterbody I.D.	Name	Cause(s)										Source(s)										Priority	Schedule	Comments
OK121300010030	Mingo Creek	500										9000										4	2008-2010	
OK121300010030	Mingo Creek (unlisted trib.)	100	500									9000										4	2008-2010	
OK220100010170	Morris Creek (Howe)	1200										6200										1	1998-1999	
OK520700020290	Morris Lake	2100										9000										4	2008-2010	
OK410210040010	Mountain Fork River, Lower	1000										1800	8100									1	1998-1999	Source code 1800 added 1998 per USFWS input. Priority raised. Potential Ouachita rock-pocketbook, Winged mapleleaf habitat.
OK410210050010	Mountain Fork River, Middle	200	1000	1100	1200	2100						1800	2000	8100	9000							1	1998-2000	Source code 1800 added 1998 per USFWS input. Priority raised. Potential Ouachita rock-pocketbook, Winged mapleleaf habitat.
OK410210060010	Mountain Fork River, Upper	200	1000									1800	2200	8100	9000							1	1998-2001	Source codes 1800,2200 added 1998 per USFWS input. Priority raised. Potential Leopard darter habitat.
OK311100010280	Mud Creek	200	1200	1300	2100							9000										3	2004-2007	
OK311100040010	Mud Creek	200	1100	2100								1100	1300	1400	1500	9000						4	2008-2010	Oilfield pollution no longer a known problem
OK410200010210	Mud Creek	100	1000									9000										4	2008-2010	
OK220600050060	Mud Creek , Trib (Krebs)	1200										6200										2	2000-2003	
OK410400050010	Muddy Boggy Creek	200	900	1700								1100	1300	1400	1500	1800	9000					3	2004-2007	
OK410400010070	Muddy Boggy River	200	900	1700								9000										3	2004-2007	
OK121600060040	Mustang Creek	1200										7200										2	2000-2003	Ketchum discharge
OK121600030010	Neosho (Grand) River	900	1200									1100	1400	1600	1800	6500	8700					1	1998-1999	Included in Grand Lake project. Potential Neosho madtom, Winged mapleleaf habitat.
OK121600030050	Neosho (Grand) River	900	1200									1100	1400	1600	1800	6500	8700					1	1998-1999	Included in Grand Lake project. Potential Neosho madtom, Winged mapleleaf habitat.
OK121600030140	Neosho (Grand) River	900	1200									1100	1400	1600	1800	6500	8700					1	1998-1999	Included in Grand Lake project. Potential Neosho madtom, Winged mapleleaf habitat.
OK121600030270	Neosho (Grand) River	100	600	900	1200							1100	1400	1500	1600	1800	9000					1	1998-1999	Included in Grand Lake project. Potential Neosho madtom, Winged mapleleaf habitat.
OK121600030370	Neosho (Grand) River	200	300	500	900	1100	1200					1100	1400	1500	8500							1	1998-1999	Included in Grand Lake project. Potential Neosho madtom, Winged mapleleaf habitat.
OK121600030430	Neosho (Grand) River	500	100	1100								8500										1	1998-1999	Priority omitted in 1996. Included in Grand Lake project. Potential Neosho madtom, Winged mapleleaf habitat.
OK121600040010	Neosho (Grand) River	500	1100	1200								1100	1400	1500	8500							1	1998-1999	Potential Neosho madtom, Winged mapleleaf habitat.
OK121600010040	Neosho (Grand) River	200	300	900	1100							1100	1200	1400	1500	4300	6500	8500				4	2008-2010	Priority lowered. Located in Ft. Gibson segment, not Grand Lake
OK121600010190	Neosho (Grand) River	300	1200									6200	8500									4	2008-2010	Priority lowered. Located in Ft. Gibson segment, not Grand Lake
OK121600010280	Neosho (Grand) River	300	1200									6200	8500									4	2008-2010	Priority lowered. Located in Ft. Gibson segment, not Grand Lake
OK121600020010	Neosho (Grand) River	500	1000	1100	1200							5100	8500									4	2008-2010	Priority lowered. Located in Hudson Lake segment, not Grand Lake
OK121600020130	Neosho (Grand) River	500	1000	1100	1200							5100	8500									4	2008-2010	Priority lowered. Located in Hudson Lake segment, not Grand Lake
OK121600020170	Neosho (Grand) River	1200										7400										4	2008-2010	Priority lowered. Located in Hudson Lake segment, not Grand Lake

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Waterbody I.D.	Name	Cause(s)										Source(s)										Priority	Schedule	Comments		
OK621210000220	Newkirk Country Club Lake	900	1100	1200	1600	2200	2400					900	1000	4300	8000	8500								2	2000-2003	
OK121500020130	Newt Graham Lake	500	1000	1100	2100							5100	8500											4	2008-2010	
OK121500030020	Newt Graham Lake	500	1000	1100	2100							5100	8500											4	2008-2010	
OK121600010180	North Bay, Ft. Gibson Lake	200	300	900	1100							1100	1200	1400	1500	4300	6500	8500						4	2008-2010	
OK410400050120	North Boggy Creek	2100										900												4	2008-2010	
OK520510000010	North Canadian River	100	200	900	1100	1200	1600	2100	2500	8300		1100	1200	1400	1500	7600	8300							2	2000-2003	Oilfield pollution no longer a known problem
OK520510000110	North Canadian River	100	200	900	1100	1200	1600	1700	2100			1100	1200	1400	1500	4100	4300	7600	8300					2	2000-2003	Oilfield pollution no longer a known problem
OK520500010010	North Canadian River	200	900	1100	1200	2100						1100	1200	1400	1500									3	2004-2007	
OK720500010010	North Canadian River	200	900	1100	1200	2100						1100	1200	1400	1500									3	2004-2007	
OK720510000010	North Canadian River	100	200	900	1900	2100	2500					9000												3	2004-2007	
OK520520000010	North Canadian River (Metro OKC)	100	900	1200	1700							1000	4100	4300	6200									1	1998-1999	
OK520530000010	North Canadian River (Metro OKC)	900	1200									1000	1200	1400	6200									1	1998-1999	
OK620910040260	Northwood Lake	200	900	1100	2100							1100	1200	1400	1500	1600	3100	3200	6500					4	2008-2010	
OK621200030190	Oak Creek (Glencoe)	1200										6200												2	2000-2003	
OK311100030130	Oil Branch Creek, Tributary	1300										8400												4	2008-2010	Added 1998. Pollution problem related to petroleum activities. Limited 1997 sampling/data.
OK520700020290	Okemah Lake	1100	2100									9000												4	2008-2010	
OK520700010290	Okmulgee Creek	100	700	1600	1900							4100	6200	7100	8500									4	2008-2010	
OK620930000040	Old Settlers Irrigation Ditch	1300										1200												4	2008-2010	
OK121510010020	Oologah Lake	200	1100	2100								1100	1400	1500										2	2000-2003	
OK720510000030	Optima Lake	2100										900	1000	1800										4	2008-2010	Source codes 1000, 1800 added 1998 per USFWS input.
OK311500010080	Otter Creek	200										9000												4	2008-2010	
OK410300020220	Ozzie Cobb Lake	1100	2100									1400	1500											4	2008-2010	
OK121600060240	Pawpaw Creek	500	100	1100	2100							5100	8500											4	2008-2010	
OK121500020100	Pea Creek	1200										6200												2	2000-2003	Inola discharge
OK121700050120	Peacheater Creek	900										1300	1400	1500	1600	1800	2000	6500	7600					1	1998-1999	Included in Illinois River project
OK621200030350	Perry Lake	900	1100	2100								1100	1400	1500										2	2000-2003	
OK220600040040	Pit Creek (P & K Coal Mines & other past mining activity)	500	100									5000	5100	8500										3	2004-2007	Priority lowered. Extensive data collection needed.

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Waterbody I.D.	Name	Cause(s)										Source(s)										Priority	Schedule	Comments	
OK120420010040	Polecat Creek	200	500	800								1100	1300	1400	1500								4	2008-2010	Oilfield pollution no longer a known problem. Polecat Creek TMDL completed by INCOG. Channel improvements and highway construction completed. Sludge management plan implemented by Sapulpa. Priority lowered.
OK120420020010	Polecat Creek	200	500	800								1100	1300	1400	1500								4	2008-2010	Oilfield pollution no longer a known problem. Polecat Creek TMDL completed by INCOG. Channel improvements and highway construction completed. Sludge management plan implemented by Sapulpa. Priority lowered.
OK120420020050	Polecat Creek	200	500	800								1100	1300	1400	1500								4	2008-2010	Oilfield pollution no longer a known problem. Polecat Creek TMDL completed by INCOG. Channel improvements and highway construction completed. Sludge management plan implemented by Sapulpa. Priority lowered.
OK120420020290	Polecat Creek	200										1200	1400	1500									4	2008-2010	Oilfield pollution no longer a known problem. Polecat Creek TMDL completed by INCOG. Channel improvements and highway construction completed. Sludge management plan implemented by Sapulpa. Priority lowered.
OK520610010210	Pond Creek	1200										6200											2	2000-2003	
OK220100020010	Poteau River	500	900	1100	1200	2000	2100	2200				1100	1300	1400	1500	1600	6200	8300	8400				2	2000-2003	Included in Wister Lake project. Completion not expected by 2000. Priority lowered.
OK220100010010	Poteau River (Poteau)	500	1100									9000											4	2008-2010	Poteau TMDL approved by EPA. Basis for other listings not determined. Priority lowered.
OK310800030260	Pretty Branch Creek	1300										5500											4	2008-2010	Added 1998. Pollution problem related to petroleum activities. Limited sampling/data over 5 years old.
OK310800030270	Pretty Branch Creek, Tributary	1300										5500											4	2008-2010	Added 1998. Pollution problem related to petroleum activities. Limited sampling/data over 5 years old.
OK121610000010	Pryor Creek	200	300	900	1200							4100	4300	8500	9000								3	2004-2007	
OK121610000050	Pryor Creek	200	300	900	1200							4100	4300	8500	9000								3	2004-2007	
OK121610000150	Pryor Creek, Upper	500	1000	1100	2100							5100	8500										4	2008-2010	
OK520610030040	Purcell Lake	900	1200									1000											3	2004-2007	Added 1998 based on OWRB assessment
OK520700040360	Quapaw Creek, South	100										9000											4	2008-2010	
OK310840010060	Quartermaster Creek	1100	1300	2100								1200	1400	1500	1800								4	2008-2010	Cause code 1300 added 1998 per Burec input. Foss Lake tributary.
OK310830020060	Rainy Mountain Creek	900	2100									1000											3	2004-2007	
OK410300010040	Raymond Gary Lake	2400										9000											4	2008-2010	
OK121300010110	Recreation Lake	1100										9000											4	2008-2010	
OK311100010010	Red River	200	1700									9000											4	2008-2010	
OK311100010190	Red River	200	900	1100	2100							1100	1200	1400	9000								3	2004-2007	
OK410100010010	Red River, below Garland (Weyerhaeuser)	1200										6200											3	2004-2007	
OK311800000010	Red River, Elm Fork	200	900	1100	2100							1100	1200	1500	9000								3	2004-2007	
OK311500010020	Red River, North Fork	200	500	900	1100	2100						1100	1200	1400	9000								3	2004-2007	

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Waterbody I.D.	Name	Cause(s)										Source(s)										Priority	Schedule	Comments		
OK311510010010	Red River, North Fork	200	900									1100												3	2004-2007	
OK311600020010	Red River, Salt Fork	900	1100	1600	2100							1100	1200	1400	1500									4	2008-2010	
OK621200050010	Red Rock Creek	200										9000												4	2008-2010	
OK220200020020	Robert S. Kerr Lock & Dam	2100										1000	9000											4	2008-2010	Source code 1000 added 1998 per USFWS input.
OK310800020122	Rock Creek	900	1100	2100								1500	3200	3100	4300	6500								3	2004-2007	Oilfield pollution no longer a known problem
OK121600020180	Rock Creek	500	1000	1100								5100	8500											4	2008-2010	
OK310800010012	Rock Creek	1300										9000												4	2008-2010	
OK310810030040	Rock Creek (Elmore City Lake)	1100	2100									1000												4	2008-2010	
OK310810010090	Rush Creek	200	1100	2100	2200							9000												4	2008-2010	Basis for listing unknown. Priority lowered.
OK121700060090	Sager Creek	900										9000												1	1998-1999	Priority raised. Included in Illinois River project
OK120420020130	Sahoma Lake	900	1100	2100	2400							900	1000	4300	6500	8500								4	2008-2010	Basis for listing undetermined. No known problems with water supply source.
OK220200020030	Sallisaw Creek	200										1600	1800	5700	9000									4	2008-2010	
OK220200030010	Sallisaw Creek	200	1000									1100	1400	1500	1600	1800	5700	9000						4	2008-2010	
OK520700030100	Salt Creek	200	900	1100	1300							1100	1300	1400	1500	9000								3	2004-2007	Oilfield pollution no longer a known problem
OK520800010100	Salt Creek	200	900	1100	2100							1100	1300	9000										3	2004-2007	Oilfield pollution no longer a known problem
OK520800030010	Salt Creek	200	900	1100	1300							1100	1300	1400	1500	9000								3	2004-2007	Oilfield pollution no longer a known problem
OK621200010430	Salt Creek	1100	2100									1100	1300	9000										4	2008-2010	Oilfield pollution no longer a known problem
OK621200040010	Salt Creek	200	1100	2100								1100	1400	1500	9000									4	2008-2010	
OK310800030020	Sand Creek (Ardmore & Total Petroleum	600	1200									6200												1	1998-1999	
OK310840020070	Sandstone Creek	100										9000												4	2008-2010	
OK311600010040	Sandy Creek (Lebos)	200	1300									1200												4	2008-2010	
OK220200040010	Sans Bois Creek	200	500	1000	1100	2100						500	1100	1400	1500	1600	1800	5700	9000					4	2008-2010	
OK410310030020	Sardis Lake	100	200	900	1200							1100	1400	1500	9000									4	2008-2010	
OK120400020240	Shady Grove Creek	500	900	1000	2200							5000	8500											4	2008-2010	
OK520510000120	Shan Creek	1200										6200												2	2000-2003	
OK310820010080	Shannon Springs Lake	2500										9000												4	2008-2010	
OK310820010090	Shannon Springs Lake	1100										4100	4300											4	2008-2010	

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Waterbody I.D.	Name	Cause(s)										Source(s)										Priority	Schedule	Comments
OK520510000280	Shawnee Twin Lakes	1100	2100									1000										4	2008-2010	
OK121700050180	Shell Branch (Westville)	1200										900	1000									1	1998-1999	Westville TMDL completed by ODEQ
OK620910030010	Skeleton Creek	100	200	500	600	1100	1500	2100				1100	1200	1400	1500	1600	1800	9000				4	2008-2010	Oilfield pollution no longer a known problem
OK620910030170	Skeleton Creek	100										9000										4	2008-2010	
OK620910030240	Skeleton Creek	1003										9000										4	2008-2010	
OK121300040080	Skiatook Lake	200										9000										4	2008-2010	
OK120410010220	Snake (Duck) Creek	200	900									1100	1400	1500	9000							4	2008-2010	Basis for listing undetermined
OK120410030010	Snake Creek	200	900									1300	1400	1500	9000							4	2008-2010	Basis for listing undetermined
OK220300000030	Snake Creek (Stigler)	1200										6200										4	2008-2010	
OK120400020030	South Fork	1200										6200										2	2000-2003	
OK121600050150	Spavinaw Creek	900										1000	1600									1	1998-1999	Source codes added. Priority raised. Potential Ozark cavefish habitat.
OK520500020220	Sportsman Lake	1100	2100									9000										4	2008-2010	
OK520600030030	Spring Brook Creek	1200										6200										3	2004-2007	
OK121600010290	Spring Creek	900	1600									900	1000	7600	7700							2	2000-2003	
OK520710020030	Spring Creek	200	900	1100	1700							3000	4100	4300	6500	7100	7300	7500	7600	8300	8500	3	2004-2007	
OK310830010020	Spring Creek	2200										900	1000									4	2008-2010	
OK310840020240	Spring Creek	100										9000										4	2008-2010	
OK121600040030	Spring River	500	1100									1100	1400	1500	1800	5600	5700	8500				1	1998-1999	Cause codes 5600, 5700, 1800 added 1998 per Wyandotte & Quapaw Tribe input. Priority raised. Included in Grand Lake project. Potential Ozark cavefish habitat.
OK520100000190	Squirrel Creek (Tecumseh)	900										6200										2	2000-2003	
OK311210000060	Stage Stand Creek	1100	1600	2100								1100	1400	1500	7700							4	2008-2010	
OK520810000130	Stanley Draper Creek	200	1100	1500	1600	2100						7300	7500	7600	7700							4	2008-2010	
OK620900030020	Stillwater Creek	200	900	1100	1600	2100						1100	3000	7700	9000							2	2000-2003	
OK620900040010	Stillwater Creek	200	900	1100	2100							1100	1400	1500	1800	3000	7700	9000				2	2000-2003	
OK620900040040	Stillwater Creek	1100	2100									3100	3200									2	2000-2003	
OK620900040070	Stillwater Creek	1100	2100									7700										2	2000-2003	
OK620900040270	Stillwater Creek	100										9000										2	2000-2003	
OK621010030100	Stink Creek	1100	2100									1100										4	2008-2010	

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Waterbody I.D.	Name	Cause(s)										Source(s)										Priority	Schedule	Comments
OK311500010050	Stinking Creek	100										900	1300									4	2008-2011	Listed in 1994 for threatened impacts from Altus SE discharge. UAA resulted in habitat limited fishery use for the tributary receiving the discharge. Cause code 1200 removed 1998. Source code 800 removed 1998. Not a valid code. Basis for other listings not determined. Priority lowered.
OK520700030240	Stroud Lake	1100	1600	2100								1400	1500									4	2008-2010	
OK310830050010	Sugar Creek	900	1100	1600	2100							1100	1200	1400	1500							3	2004-2007	
OK720510000160	Sunset (Guymon) Lake	2400										9000										4	2008-2010	
OK121700030020	Tahlequah Creek (Tahlequah)	100	1200									6200	9000									1	1998-1999	
OK121600040060	Tar Creek	500										5600	5700	8500								4	2008-2010	Mining causes added
OK310840020060	Taylor Lake	900	1100	2100								1500	7400	8300								4	2008-2010	Oilfield pollution no longer a known problem
OK520510000200	Tecumseh Creek (including Fire Lake)	200	900	1200	1600							900	4300	7600	8000							4	2008-2010	Listing based on old data. Needs verification. Priority lowered.
OK520510000220	Tecumseh Lake	900	1100	2000	2100	2200						1100	1400	1500	8600							4	2008-2010	
OK311300010050	Temple Lake (Mooney)	900	2100									9000										3	2004-2007	
OK121700020020	Tenkiller Ferry Lake	900	1200	1500								1000	7400									1	1998-1999	Priority raised. Included in Illinois River project
OK311100010020	Texoma Lake, Red River	200	800	1100	2200							1100	1200	1800	9000							4	2008-2010	
OK311100010030	Texoma Lake, Red River Arm, Lower	200	900	1100	2100							1100	1200	1400	9000							3	2004-2007	
OK311100010080	Texoma Lake, Red River Arm, Lower	200	900	1100	2100							1100	1200	1500	9000							3	2004-2007	
OK310800010050	Texoma Lake, Washita River	200	600	900	1100	1300	2100					1100	1200	1300	1400	1500	1800	7100	7600			4	2008-2010	
OK310800010011	Texoma, Washita River Arm, Lower	200	1100									1100	1200	1300	1400	1500	1800	9000				4	2008-2010	
OK121600030480	Three Finger Cove, Grand Lake	200	500	1000	1100							1000	3000	4000	5000	8500						1	1998-1999	Priority raised. Included in Grand Lake project. Potential Ozark cavefish habitat.
OK520810000020	Thunderbird Lake	200	500	2100	2200							900	1000									4	2008-2010	
OK620900010400	Tiger Creek, Tributary	1300										5500										4	2008-2010	Added 1998. Pollution problem related to petroleum activities. Limited 1997 sampling/data.
OK311500020060	Tom Steed (Mountain Park) Reservoir	1100	2100									9000										4	2008-2010	
OK311600020060	Turkey Creek	200	1300									1200										2	2000-2003	
OK620910060010	Turkey Creek	900	1100	2100								1100	1200	1400	1500	1600	1800					2	2000-2003	
OK620910020030	Turkey Creek	900	1100	2100								1100	1200	1400	1800							3	2004-2007	
OK520510000100	Turkey Creek, Tributary	1300										5500										4	2008-2010	Added 1998. Pollution problem related to petroleum activities. Limited 1997 sampling/data.
OK310830020110	Vanderwork Lake	900										9000										3	2004-2007	
OK121500010060	Verdigris River	200																				4	2008-2010	TMDL completed by DEQ. Basis for other listings undetermined. Priority lowered.

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Waterbody I.D.	Name	Cause(s)										Source(s)										Priority	Schedule	Comments
OK121500010200	Verdigris River	200																				4	2008-2010	TMDL completed by DEQ. Basis for other listings undetermined. Priority lowered.
OK121500020010	Verdigris River	200																				4	2008-2010	TMDL completed by DEQ. Basis for other listings undetermined. Priority lowered.
OK121500020120	Verdigris River	500	1000	1100	2100							5100	8500									4	2008-2010	TMDL completed by DEQ. Basis for other listings undetermined. Priority lowered.
OK121500020500	Verdigris River	1500										7400	8400									4	2008-2010	TMDL completed by DEQ. Basis for other listings undetermined. Priority lowered.
OK121500030010	Verdigris River	500	1000	1100	2100							5100	8500									4	2008-2010	TMDL completed by DEQ. Basis for other listings undetermined. Priority lowered.
OK121510010010	Verdigris River	200	1100									1100	1400	1500								4	2008-2010	
OK311100010250	Walnut Bayou	200	900	1100	2100							1100	1300	1400	9000							3	2004-2007	
OK311100030010	Walnut Bayou	200	900	1100	2100							1100	1300	1500	9000							3	2004-2007	
OK520610010110	Walnut Creek	200										9000										4	2008-2010	
OK620910010140	Walnut Creek	200										9000										4	2008-2010	
OK311100030070	Walnut Creek (Walnut Bayou)	200	900	1100	2100							1100	1300	1400	1500	8300	9000					3	2004-2007	
OK311100030160	Walnut Creek, Tributary	1900										5500										4	2008-2010	Added 1998. Pollution problem related to petroleum activities. Limited 1993 and 1996 sampling/data.
OK311300010080	Walters Lake	1600	2000	2100	2200							9000										4	2008-2010	
OK410400030310	Wapanucka Lake	1100										9000										4	2008-2010	
OK621200030440	Warren Creek, Tributary	1300										5500										4	2008-2010	Added 1998. Pollution problem related to petroleum activities. Limited 1997 sampling/data.
OK310810010190	Washington Creek	1100										1400	1500	1800	3200							4	2008-2010	
OK310830010010	Washita River	200	900	1100	1300	2100						1100	1200	1300	1400	1500	1800	7100	7600			1	1998-1999	Anadarko WLA completed by ODEQ
OK310830020010	Washita River	200	900	1100	1300	2100						1100	1200	1300	1400	1500	1800	7100	7600			1	1998-1999	
OK310830030010	Washita River	200	900	1100	1300	2100						1100	1200	1300	1400	1500	1800	7100	7600			1	1998-1999	
OK310800010010	Washita River	100	200	900	1100	1300	2100	2600				9000										3	2004-2007	
OK310800020010	Washita River	200	900									1100	1200	1800	7100	7600	9000					3	2004-2007	
OK310820010010	Washita River	200	900	1100	1300	2100						1100	1200	1300	1400	1500	1800	7100	7600			3	2004-2007	
OK310840010010	Washita River	100	200	900	1100	1300	2100					9000										3	2004-2007	
OK311210000020	Waurika Lake	900	1100	2100								1100	1400	1500	1800							4	2008-2010	
OK120400010070	Webbers Falls Reservoir	900	1200									1000										4	2008-2010	
OK520500010220	Weleetka City Lake	100										9000										4	2008-2010	
OK520500010210	Weleetka Creek	100										9000										4	2008-2010	

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Waterbody I.D.	Name	Cause(s)										Source(s)														Priority	Schedule	Comments
OK121600030210	West Bay, Grand Lake	200	500	900	1000	1200						1000	1100	1400	1600	1800	3000	4000	5000	6500	8500	8700			1	1998-1999	Priority raised. Included in Grand Lake project. Potential Ozark cavefish habitat.	
OK121700050210	West Brook	600	900	1200	2200							1100	1400	1500	1500										1	1998-1999	Priority raised. Included in Illinois River project	
OK311310020010	West Cache Creek	200										1000													4	2008-2010		
OK311500020040	West Otter Creek	1100	2100									1000													4	2008-2010		
OK520700060210	West Spring Creek, Tributary	1900										5500													4	2008-2010	Added 1998. Pollution problem related to petroleum activities. Limited sampling/data over 5 years old.	
OK520500010270	Wetumka City Lake	1100	2100									1100	1400	1500											4	2008-2010		
OK520500020010	Wewoka Creek	200	900	1100								1100	1300	1400	1500	9000									3	2004-2007	Oilfield pollution no longer a known problem	
OK520500020190	Wewoka Lake	1100	2100									1000													4	2008-2010		
OK310810010020	Wildhorse Creek	200										9000													4	2008-2010		
OK310810030010	Wildhorse Creek	1100	1300	2100								5500													4	2008-2010		
OK310810040140	Wildhorse Creek	200	1300	1600	2100							9000													4	2008-2010		
OK310810010240	Wildhorse Creek, Tributary	1300										9000													4	2008-2010	Added 1998. Pollution problem related to petroleum activities. Limited 1994 sampling/data.	
OK310810030130	Wildhorse Creek, Tributary	1300										5500													4	2008-2010	Added 1998. Pollution problem related to petroleum activities. Limited 1997 sampling/data.	
OK310810040170	Wildhorse Creek, Tributary	1300										5500													4	2008-2010	Added 1998. Pollution problem related to petroleum activities. Limited 1997 sampling/data.	
OK310810010220	Wiley Post (Maysville) Lake	1100	2100									1100	1400	1500	1800										4	2008-2010		
OK310830060030	Willow Creek	900	1100	2100								1100	1200	1300	1400	1500	1800	7100	7600	8300					3	2004-2007	Fort Cobb project. Source code 1800 added 1998 per Burec input.	
OK220100020020	Wister Lake	900	1100	1500	2000	2100						7400	9000												2	2000-2003	Included in Wister Lake project. Completion not expected by 2000. Priority lowered.	
OK720500030020	Wolf Creek, Tributary at Beaver Creek	1300										5500													4	2008-2010	Added 1998. Pollution problem related to petroleum activities. Limited sampling/data over 5 years old.	
OK720500020020	Wolf Creek	200	900	1100	2100							1100	1200	1500	9000										3	2004-2007		
OK720500030010	Wolf Creek	200	900	1100								1100	1200	1500	9000										3	2004-2007		
OK520700010170	Wolf Creek	100										9000													4	2008-2010		
OK121600030400	Wolf Creek Cove, Grand Lake	500	1000	1100								8500													1	1998-1999	Priority raised. Included in Grand Lake project. Potential Ozark cavefish habitat.	
OK121600030240	Woodward Hollow Cove, Grand Lake	2100										1000	1100	1400	1600	1800	3000	4000	5000	6500	8500	8700			1	1998-1999	Priority raised. Included in Grand Lake project. Potential Ozark cavefish habitat.	
OK410200010150	Yanabee Creek	1200										6200													1	1998-1999	Priority raised. Potential Ouachita rock-pocketbook, Winged mapleleaf habitat.	

EPA Cause Codes		EPA Source Codes			
Code	Cause	Code	Source	Code	Source
100	Unknown Toxicity	900	Nonpoint Source	5600	Mill Tailings
200	Pesticides	1000	Agriculture	5700	Mine Tailings
300	Priority Organics	1100	Non-irrigated Crop Production	6000	Land Disposal (Runoff or
400	Nonpriority organics	1200	Irrigated Crop Production		Leachate from permitted areas)
500	Metals	1300	Specialty Crops (e.g. truck farming & orchards)	6100	Sludge
600	Ammonia	1400	Pasture Land	6200	Wastewater
700	Chlorine	1500	Range Land	6300	Landfills
800	Other inorganics	1600	Feedlots-All Types	6400	Industrial Land Treatment
900	Nutrients	1700	Aquaculture	6500	On-Site Wastewater Systems
1000	pH	1800	Animal Holding/Management	6600	Hazardous Waste
1100	Siltation	2000	Silviculture	7000	Hydromodification
1200	Organic Enrichment/DO	2100	Harvesting, Restoration, Residue Management	7100	Channelization
1300	Salinity	2200	Forest Management	7200	Dredging
1400	Thermal Stratification	2300	Road Construction /Maintenance	7300	Dam Construction
1500	Flow Alteration	3000	Construction	7400	Flow Regulation/Modification
1600	Other Habitat Alterations	3100	Highway/Road/Bridge	7500	Bridge Construction
1700	Pathogens	3200	Land Development	7600	Removal of Riparian Vegetation
1800	Radiation	4000	Urban Runoff	7700	Streambank Modification/Destabilization
1900	Oil and Grease	4100	Storm Sewers (Other than end of pipe)	8000	Other
2000	Taste and Odor	4200	Combined Sewers	8100	Atmospheric Deposition (and Acid Rain)
2100	Suspended Solids	4300	Surface runoff	8200	Waste Storage/Storage Tank Leaks
2200	Noxious Aquatic Plants	5000	Resource Extraction/Exploration/Development	8300	Highway Maintenance and Runoff
2300	Filling and Draining	5100	Surface Mining	8400	Spills
2400	Total Toxics	5200	Subsurface Mining	8500	In-place Contaminants
2500	Exotic Species	5300	Placer Mining	8600	Natural
		5400	Dredge Mining	8700	Recreational Activities
		5500	Petroleum Activities	8800	Upstream Impoundment
				9000	Source Unknown

