

## ARKANSAS' 2004 LIST OF IMPAIRED WATERBODIES

Arkansas' 2004 List of Water Quality Limited Waterbodies, commonly referred to as the 303(d) list, has been formatted to reflect the most current guidance issued by the Environmental Protection Agency. As part of that guidance, EPA suggests placing waterbody segments into the following five categories:

- 1 = Attaining all designated uses;
- 2 = Attaining some designated uses, but there is insufficient data to determine if other uses are being attained;
- 3 = Insufficient data to determine if any designated use is attained;
- 4 = Impaired for one or more designated uses, but does not require the development of a TMDL because:
  - a. A TMDL has been completed for the listed parameters;
  - b. Other pollution control requirements are expected to result in attainment of water quality standards; and/or
  - c. Impairment is not caused by a pollutant
- 5 = The waterbody may be impaired, or one or more designated uses may not be attained. Waterbodies in category 5 are placed in one of the following subcategories by the Arkansas Department of Environmental Quality:
  - a. Truly impaired; develop a TMDL for the listed parameter
  - b. Waters not attaining standards, but will be de-listed with the adoption of current Regulation No. 2 revision
  - c. Waters in which the data is questionable because of QA/QC procedures and which require confirmation before a TMDL is scheduled
  - d. Waters which need data verification to confirm use impairment (additional sampling, biological assessment) before a TMDL is scheduled
  - e. Waters which are listed because of a small magnitude of exceedance from the water quality standards. The next revision of the assessment methodology will address magnitude of exceedance. The need for a future TMDL will be based on this protocol.

Arkansas' 2004 303(d) list, Category 5a list has a total of 59 stream segments, totaling approximately 1009.9 stream miles. In addition, ten lakes are listed, totaling approximately 5530 lake acres.

Each list contains the name of the stream, its corresponding hydrologic unit code and stream reach identifier, the number of stream miles affected, and the monitoring stations used to assess the segment. The impacted designated use is also identified. Some segments have more than one designated use assessed as not attaining. The columns under the heading "Source" identify the source(s) of the impairment. The columns under the heading "Cause" list the cause(s) of the impairments. Some stream segments are impaired by multiple causes, individual causes may be from multiple sources. A source for each cause is listed. The source for cause number one is identified as source number one. The source for cause number two is identified as source number two, and so forth.

There are 59 stream segments totaling 1009.9 stream miles listed in Category 5a; those stream segments are truly impaired and require TMDL development. Primary causes of impairment and the number of stream segments affected include: Silt, 30 segments; total dissolved solids, 11 segments; copper, nine segments; pathogens, eight segments; nitrates, five segments; zinc, five segments; chlorides, four segments; dissolved oxygen, three segments; and total phosphorus, organic enrichment, temperature, aluminum, and lead, one segment each. Some segments are impaired by more than one cause. Of the 10 lakes listed, six are impaired by nutrients and two are impaired by chlorides; pathogens and silt are impairing one lake each.

There are 72 stream segments, approximately 1366 stream miles, listed in Category 5b. The waters listed in this category are currently not meeting water quality standards. However, proposed changes to the water quality standards outlined in Regulation No. 2 and/or the reclassification of some stream types will result in the de-listing of most of these stream segments. An example is the classification of certain Delta streams as Channel Altered Delta streams; another is the use of *E. coli* concentrations to assess primary contact recreation attainment instead of using fecal coliform bacteria concentrations.

Category 5c contains those stream segments where water quality data indicates impairment, but the data is questionable because of quality control/quality assurance issues. There are 24 stream segments totaling approximately 310 stream miles listed in this category. The majority of these segments are listed because of some type of metals contamination. Ultra-clean sampling and analysis techniques will be used to determine the accuracy of these listings. Other listings in this category are for dissolved oxygen and/or pH violations. Field meter accuracy and quality assurance will be verified to determine the accuracy of these listings.

The stream segments listed in Category 5d are those that need additional field verification in order to determine the accuracy of the assessment. There are currently 69 stream segments totaling approximately 1475 stream miles listed in this category. The majority of the listings are for the exceedance of either the dissolved oxygen standard, or the primary contact recreation standard assessed using fecal coliform bacteria data. Additional sampling using *E. coli* bacteria will help to better assess the primary contact recreation standard in these waters. Aquatic life sampling to determine the biological health of these systems will help determine the appropriateness of the current standards and the aquatic life use attainment of the stream segment.

Fifteen stream segments, approximately 291 stream miles, are listed in Category 5e. These are stream segments where water quality standards are routinely exceeded, but the magnitude of the exceedances is not severe. For example: the total dissolved solids (TDS) standard may be 200 mg/L. The assessment criteria indicates that if more than ten percent of the samples collected exceed the standard, then the segment is to be listed as impaired. In this example, five out of twelve samples have TDS values above 200 mg/L. According to the assessment criteria, the segment is impaired. However, four of the values that exceeded the standard have concentrations between 201 mg/L and 210 mg/L. This small magnitude of exceedance is probably not impairing a designated use and thus, the segment should not be listed as impaired.

To date, 62 TMDLs have been developed for Arkansas' waterbodies. These waters are listed in Category 4a. Another 20 TMDLs are currently being developed, and approximately 24 TMDLs are in the planning stages for development for fiscal year 2005.

Once a waterbody segment is added to the 303(d) list, the State has 13 years to either complete a TMDL for the listed parameter, or develop additional data or refine the water quality standards that will result in the de-listing of the waterbody segment. Arkansas' proposed 2004 303(d) list has 192 stream segments listed. It is expected that with the current revision of the State's water quality standards, Regulation No. 2, that 74 of these stream segments will be de-listed. Improved quality assurance/quality control techniques are expected to aid in the de-listing of the 39 stream segments listed in Category 5c. Additional water quality and aquatic life sampling of the 48 stream segments in Category 5d will help determine the validity of listing these streams as impaired.

The Water Quality Limited Waterbody tables utilize the following abbreviations:

General:

E = evaluated assessment  
M = monitored assessment  
S = use fully supported  
N = use not supported

Designated Uses:

FC = fish consumption  
AL = aquatic life  
SW = swimming (primary contact)  
SC = secondary contact  
DW = drinking water  
AI = agriculture & industry water supply

Causes:

SI = siltation/turbidity  
AM = ammonia  
NO<sub>3</sub> = nitrogen  
TP = total phosphorus  
NU<sup>1</sup> = Nutrients (NO<sub>3</sub>, TP)  
DO = dissolved oxygen  
PA = pathogen indicators (bacteria)  
CL = chlorides  
SO<sub>4</sub> = sulfates  
TDS = total dissolved solids  
OE = organic enrichment  
PO = priority organics  
Al = aluminum  
Cu = copper  
Pb = lead  
Zn = zinc  
Hg = mercury

Sources:

AG = agriculture  
SE<sup>2</sup> = surface erosion  
RE = resource extraction  
SV = silviculture  
UR = urban runoff  
RC = road construction/maintenance.  
IP = industrial point source  
MP = municipal point source  
HP = hydropower  
UN = unknown

Notes:

- 1 This listing was used in previous 303(d) list. A TMDL is being developed for segments with this listing.
- 2 Surface Erosion – This category includes erosion from agriculture activities, unpaved road surfaces, and in-stream erosion, mainly from unstable stream banks.

## Glossary of Terms Used

Aquatic Life – the fish, macroinvertebrate, and plant life in a water body.

Channel-Altered Stream – waterbodies mainly located in the States' Delta ecoregion that have been straightened for irrigation and flood control purposes.

Hydrologic Unit Code – an eight digit number used to identify large sections of streams and/or rivers. Used in conjunction with the Stream Reach Identifiers.

Macroinvertebrate – small insects that live all or part of their life in the water. They are a vital part of the food chain in the stream.

Nitrates – a chemical in the water derived from nitrogen. Excessive nitrates in drinking water pose serious human health threats. Excessive nitrates in stream, rivers, and lakes can lead to excessive algae growth and can threaten the health of the aquatic life in those systems.

Pathogens – bacteria, most commonly fecal coliforms and/or *Escherichia coli*.

QA/QC – Quality Assurance/Quality Control: The procedures used when sampling, analyzing, assessing, and reporting environmental data to insure that the data is scientifically defensible

Regulation No. 2 – Regulation Establishing Water Quality Standards For Surface Waters Of The State Of Arkansas

Silt – very fine particles of soil that are easily transported in the water column of streams and rivers. These particles settle out onto the bottom of the streams and rivers and can impair the aquatic life of the waterbody.

Stream Reach Identifier – three digit numbers used to identify distinct small portions of streams, rivers, and/or tributaries that make up larger hydrologic units.

TMDL - Total Maximum Daily Load – a determination of the total amount of a substance that can be present in a waterbody without adversely affecting the designated use(s) of the waterbody.

Total Dissolved Solids – those particles in the water column that exist in the dissolved form and typically do not settle out onto the bottom of the stream.

Ultra-Clean Sampling – a sampling technique that greatly reduces the potential for contamination from outside sources. The drawback to this sampling and analysis is that it is very expensive and labor intensive.

Waterbody – a stream, river or lake, or any portion thereof being referred

Additional definitions can be found at [www.enchantedlearning.com/science/dictionary](http://www.enchantedlearning.com/science/dictionary)

## **Methodology for 303(d) - 2004 Assessment**

This assessment methodology considers the requirements set forth by the Environmental Protection Agency for 303(d) listing and waterbody assessment.

The criteria within this assessment methodology are utilized to determine support or non-support of the “designated uses” of a given water body or water body segment. Monitoring data will be used to establish frequency, duration, and/or magnitude of water quality standard exceedances which will result in an impairment of a designated use. Certain parameters utilize frequency, magnitude, and duration as a part of the standard; others establish water quality goals based on values which are expected to be exceeded occasionally, but which are permitted as “never to exceed” to prevent a high frequency of exceedances and a resulting chronic impairment. A one-time exceedance of the water quality standards due to anthropogenic disruptions may or may not cause a water quality impact, but still allows the pursuit of enforcement actions if necessary.

The following “assessment criteria,” therefore, will be used to determine designated use impairment from long-term and/or frequently occurring exceedances of the water quality standards which may be linked to discernible and correctable sources. In addition, short term, acute impacts can be identified by certain parameters.

### DATA BASE

The primary data base for the 2004 Integrated Water Quality Monitoring and Assessment Report was from ADEQ’s physical/chemical water quality monitoring network. The network includes 142 Ambient Network stations that were sampled monthly, 160 Roving Network stations that were sampled on a bi-monthly schedule, and 87 stations that were sampled as part of special study projects. The period of record from which this data was assimilated is October 1998 through September 30, 2003.

In addition, other agencies that routinely collect water quality data, e.g. USGS, USCOE, USFS, ASWCC, AWRC, were solicited for data that demonstrates impaired waterbodies. The period of record for which data will be accepted will be within the last five (5) years, and all data used must be collected and analyzed under a quality-assurance/quality-control protocol equivalent to or more stringent than that of ADEQ or the USGS.

### ASSESSMENT

ADEQ must take into consideration the possibility of naturally occurring or anthropogenic disruptions that may cause a single exceedance of a standard which should not result in the listing of a stream as impaired. Therefore, ADEQ will use the ‘round up to the next whole number’ process to determine exceedances.

In order to make a monitored assessment of a stream segment, data collection generally follows a monthly or bimonthly sampling regime. A determination of non-support will be based on percent exceedance of at least 12 samples. However, for bacteria sampling conducted during the primary contact period where it is impractical to conduct 12 sampling events, a minimum of four samples will be required for 'non-support' determination. An assessment of 'support' can be made with less than 12 monthly samples, but will require a minimum of four in conjunction with any additional data and/or visual evaluation of the waterbody and its watershed.

The percent exceedance criteria as shown in the Ecoregion Assessment Criteria are calculated using the total number of samples collected. The number of data points exceeding the criteria which are necessary for a "non-support" decision will be calculated and rounded up to the nearest whole number, e.g. 25% of 38 data points = 9.5 or 10 exceedances equal 25%.

An evaluated assessment can be made for adjacent stream segments or in similar watersheds to monitored waters if there is reason to believe that the segments are similar with respect to the potential cause and magnitude of an impairment. Unless documentation suggests otherwise, an evaluated assessment in the absence of data, but with general knowledge of the waterbody and watershed conditions, may be made as "support" of a use.

For lakes and reservoirs, assessments will be made from long-term trend data, collected initially in 1989 and continued on a five-year cycle, or seasonally distributed data. Lake assessments will require a minimum of four samples. Seasonally distributed data is defined as data that has been collected to analyze water quality variations during different annual lake stages, including fully mixed, and partial and complete stratification.

Numeric Criteria - ADEQ will assess all waters with qualifying data as either "support" or "non-support" based on the assessment criteria in the attached ecoregion/waterbody specific criteria.

Turbidity will be evaluated for both 'base flow' conditions and year-round conditions ('all flows'). If a waterbody is not meeting either of these conditions, it will be listed as not supporting turbidity water quality standards. Base flow conditions represent the critical season when rainfall is infrequent and is applied to the months of June through October. The turbidity criterion in section 2.503 of Regulation No. 2 is applicable for base flow turbidity evaluations. If greater than 25% of the total samples for the period of record from the months June through October exceed the base flow criterion, the waterbody will be listed on the 303(d) list as being impaired for turbidity. The year-round assessment takes into account all flows including storm flows and is therefore considered protective of water quality year-round. The document titled "Determination of Turbidity and Suspended Solids Values for Storm Events" describes the need and justification for setting targets for use in assessing turbidity at all flows. A turbidity target for all flows has been established as the 90<sup>th</sup> percentile of ecoregion values based on 10 years of data from over 70 stations sampled monthly. Because turbidity increases significantly above the 90<sup>th</sup> percentile, the top 10% of the turbidity values are considered a rare occurrence and would not be appropriate levels to maintain during ordinary storm events. Therefore, if greater than 15% of the total samples from the period of record for all flows exceed the all flow turbidity target, the waterbody will be listed on the 303(d) list as being impaired for turbidity.

Mineral quality will be evaluated as follows: Assessments for waterbodies with site specific criteria are made according to the specific values listed in section 2.511 of Regulation No. 2. For those waterbodies without site specific criteria, the criteria of 250 mg/l of chlorides, 250 mg/l of sulfates and 500 mg/l of total dissolved solids in section 2.511 of Regulation No. 2 will apply. In either case, if greater than 10% of the total samples for the period of record for a mineral exceed the applicable criteria, the waterbody will be included on the 303(d) list as being impaired for the mineral assessed. The ecoregion values described in section 2.511 are used to determine whether there is a ‘significant modification of the water quality.’ These values are not intended to be used to indicate an impairment of a waterbody. The Commission would have used the term ‘impairment’ if the ecoregion values were intended to be used for 303(d) list purposes. In accordance with section 2.511 of Regulation No.2, waters exceeding the ecoregion values greater than 50% of the time should be considered as candidates for a modification in accordance with section 2.306 of Regulation No. 2.

Narrative Criteria – Waters will be assessed as “non-support” when violation of any narrative water quality standard has been verified by ADEQ. In addition, waters will be assessed as “non-support” if any associated numeric standard is violated pursuant to ADEQ’s assessment methodology.

### LISTING OF WATERBODIES

The States’ waterbodies are assessed based on the RF3 stream reach classification. Individual stream reaches that are assessed as not attaining their respective designated use(s) will be included on the 303(d) list. A subcategory of streams will be established for waterbodies that are currently not meeting criteria under existing water quality standards. These waterbodies should meet their designated uses under the proposed water quality standards revision, i.e. turbidity and bacteria. For this subcategory, a TMDL will not be developed until further evaluation indicates whether or not a TMDL is warranted. These waterbodies will be listed as low priority TMDL’s in Category 5.

Designated Uses - A waterbody will be assessed as “non-support” if any of its designated uses are determined to be impaired by a water quality parameter which exceeds the frequency and magnitude established in the assessment criteria for that parameter or otherwise does not meet a descriptive, designated use.

The following parameters are most often associated with impacts on these designated uses:

#### **Designated Uses**

#### **Parameters**

Aquatic Life Use

D.O., pH, temp., turbidity/TSS, toxics, or any non-toxic compound which alters the aquatic life community structure beyond that expected

Drinking Water

Compounds that are not easily removed by drinking water treatment facilities; compounds with established secondary MCL’s, e.g., Cl, SO<sub>4</sub>, TDS, NO<sub>3</sub>.

Primary and Secondary Contact	fecal coliform
Agriculture or Industrial Uses	Compounds which interfere with industrial uses such as cooling water or the water used in certain manufacturing processes; or waters unsuitable for livestock watering or crop irrigation; most often includes Cl, SO <sub>4</sub> , TDS

Fish Consumption - Waters will be listed as “non-support” for fish consumption if a primary segment of the fish community (e.g., all predators or all Largemouth bass) is recommended for non-consumption by any user group (e.g., general population or high risk groups). However, if a consumption restriction is recommended, e.g., no more than two meals per month or no consumption of fish over 15-inches, these waters will not be listed as “non-support”

Antidegradation - In compliance with the antidegradation policy, a Tier 3 waterbody will be listed as “non- support” if the water quality that existed at the time of designation has declined. For all other waters (Tier 1 and Tier 2), the listing requirements discussed above will apply.

### ASSESSMENT CRITERIA

Following are ecoregion or stream segment specific assessment criteria which were used to list all assessed waterbodies as either supporting or not supporting the designated uses. These criteria are developed from Arkansas’ Water Quality Standards and, in part, from EPA guidance for determining support or non-support of a waterbody.

Key to the remarked entries in the assessment criteria are as follows:

- 1 - Except for site specific standards approved in Water Quality Standards
- 2 - Based on ecoregion or stream specific hardness values.
- 3 - Refers to number of data points instead of percentage (i.e. greater than one value exceeding criteria = not support).
- 4 - Criteria based on 90<sup>th</sup> percentile of ecoregion values



## Arkansas' Water Quality Limited Waterbodies With Completed TMDLs (Stream) (Category 4a)

STREAM NAME	HUC	REACH	PLNG	MILES	MONITORING	ASSESS	FISH	AQUATIC	PRIMARY	SECONDARY	DRINKING	AGRI &	MAJOR	MINOR	MAJOR	MINOR	TMDL
					STATIONS		COMSUMP	LIFE	CONTACT	CONTACT	WATER	INDUSTRY	SOURCE	SOURCE	CAUSE	CAUSE	DATE
Dorcheat Bayou	11140203	-022	1A	8.4	RED15A	M	N						UN		HG		2003
Dorcheat Bayou	11140203	-020	1A	11.9		E	N						UN		HG		2003
Dorcheat Bayou	11140203	-026	1A	23.3	BDT01.02	M	N						UN		HG		2003
Dorcheat Bayou	11140203	-024	1A	7.0		E	N						UN		HG		2003
B. Bartholomew	8040205	-001	2B	60.1	OUA13	M		N					AG		SI		2002
B. Bartholomew	8040205	-002	2B	17.9	BYB01	M	N	N					UN	AG	HG	SI	2002/03
B. Bartholomew	8040205	-006	2B	82.3	OUA33	M		N					AG		SI		2002
Deep Bayou	8040205	-005	2B	28.9	OUA151	M		N					AG		SI		2002
Cutoff Creek	8040205	-007	2B	16.8	COC01	M	N						UN		HG		2003
B. Bartholomew	8040205	012U	2B	82.7	BYB02	M		N					AG		SI		2002
B. Bartholomew	8040205	-013	2B	33.9	BYB03	M		N					AG		SI		2002
B. Bartholomew	8040205	-012	2B	25	BYB02	M	N	N					UN	AG	HG	SI	2002/03
Saline River	8040203	-001	2C	0.2		E	N						UN		HG		2003
Saline River	8040204	-001	2C	2.8	OUA10A&117	M	N						UN		HG		2003
Saline River	8040204	-002	2C	53	OUA10A&117	M	N						UN		HG		2003
Saline River	8040204	-004	2C	16.4	OUA10A&117	M	N						UN		HG		2003
Saline River	8040204	-006	2C	17.5	OUA118	M	N						UN		HG		2003
Ouachita River	8040202	-002	2D	51.8	OUA08B	M	N						UN		HG		2003
Ouachita River	8040202	-003	2D	8.4	OUA08B	M	N						UN		HG		2003
Ouachita River	8040202	-004	2D	49.2	OUA124B	M	N						UN		HG		2003
Moro Creek	8040201	-001L	2D	54.4		M	N						UN		HG		2003
Ouachita River	8040201	-002	2D	22.5	OUA124B	M	N						UN		HG		2003
Ouachita River	8040201	-004	2D	2.5	OUA37	M	N						UN		HG		2003
Champagnolle	8040201	-003L	2D	20	CHC01	M	N						UN		HG		2003
Elcc Trib.	8040201	-606	2D	8.5	OUA137A+	M		N			N		IP	IP	AM	CL	2002
Elcc Trib.	8040201	-606	2D		OUA137A+	M		N			N		IP	IP	AM	SO <sub>4</sub>	2002
Elcc Trib.	8040201	-606	2D		OUA137A+	M		N			N		IP	IP	AM	TDS	2002
Flat Cr.	8040201	-706	2D	16.0	OUA137C	M		N			N		RE		CL		2004
Flat Cr.	8040201	-706	2D		OUA137C	M		N			N		RE		TDS		2004
Salt Cr.	8040201	-806	2D	8.0	OUA137D	M		N			N		RE		CL		2004
Salt Cr.	8040201	-806	2D		OUA137D	M		N			N		RE		TDS		2004
Fourche LaFave	11110206	-002	3E	8.7		M	N						UN		HG		2003
Stone Dam Creek	11110203	-904	3F	3	ARK51	M		N			N		MP	MP	AM	NO <sub>3</sub>	2004
Whig Creek	11110203	-931	3F	10	ARK67	M		N			N		MP		NO <sub>3</sub>		2001
Whig Creek	11110203	-931	3F	10	ARK67	M		N			N		MP		Cu		2004
Hicks Creek	11010004	-015	4F	9.1	WHI65	M					N		MP		NO <sub>3</sub>		2001
Holman Creek	11010001	-059	4K	9.1	WHI70	M					N		MP		NO <sub>3</sub>		2001
L'Anguille R.	8020205	-001	5B	19.7	FRA10	M		N					AG		SI		2001
L'Anguille R.	8020205	-002	5B	16.8		E		N					AG		SI		2001
L'Anguille R.	8020205	-003	5B	1.8		E		N					AG		SI		2001
L'Anguille R.	8020205	-004	5B	16.0	LGR01	M		N					AG		SI		2001
L'Anguille R.	8020205	-005	5B	44.1	LGR02	M		N					AG		SI		2001

## Arkansas' Water Quality Limited Waterbodies With Completed TMDLs (Lakes) (Category 4a)

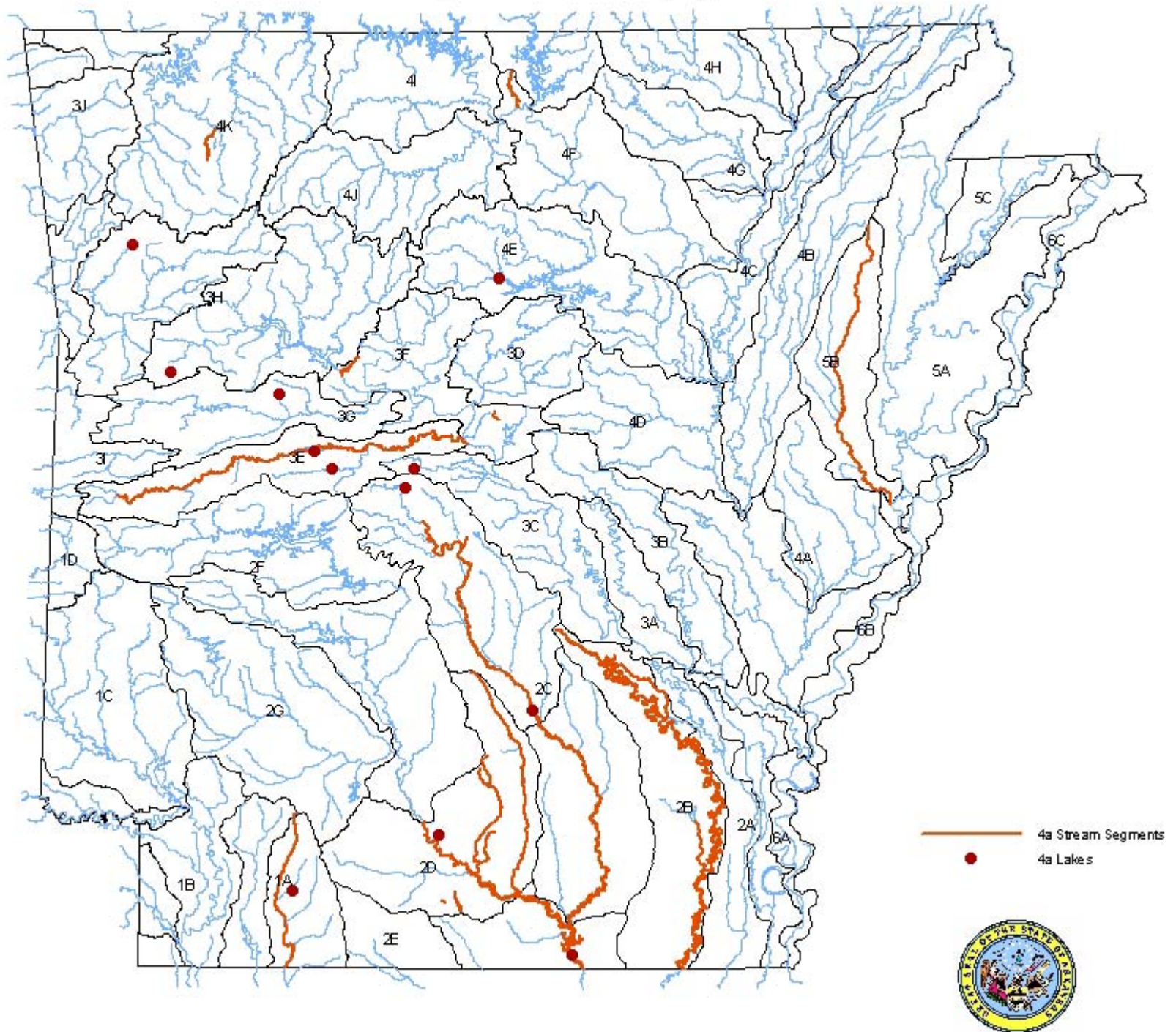
LAKE NAME	HUC	LAKE TYPE	PLNG SEG	ACRES	COUNTY	ASSESS	FISH COMSUMP	AQUATIC LIFE	PRIMARY CONTACT	SECONDARY CONTACT	DRINKING WATER	AGRI & INDUSTRY	MAJOR SOURCE	MINOR SOURCE	MAJOR CAUSE	MINOR CAUSE	TMDL DATE
Columbia	11140203	E	1A	2950	Columbia	M	N						UN		HG		2004
Grays	8040204	NC	2C	36	Cleveland	M	N						UN		HG		2004
Sylvia	8040203		2C	17	Perry	M	N						UN		HG		2003
Winona	8040203	A	2C	1240	Saline	M	N						UN		HG		2003
Ouachita River Oxbows below Camden	8040202		2D		Ashley Calhoun Union Bradley Ouachita	M	N						UN		HG		2003
Big Johnson	8040201	NC	2D	49	Calhoun	M	N						UN		HG		2004
Felsenthal	8040202	E	2D	14,000	Bradley	M	N						UN		HG		2004
Cove Creek	11110202	B	3H	160	Logan	M	N						UN		HG		2003
Nimrod	11110206	E	3E	3600	Yell	M	N						UN		HG		2003
Dry Fork	11110206		3E		Perry	M	N						UN		HG		2003
Johnson Hole	11010014	A	4E		Van Buren	M	N						UN		HG		2003
Shepherd Springs	11110201	B	3H	552	Crawford	M	N						UN		HG		2004
Spring	11110204	B	3G	82	Yell	M	N						UN		HG		2004

## Arkansas' Water Quality Limited Waterbodies (Streams) (Category 4b)

STREAM NAME	HUC	REACH	PLNG	MILES	MONITORING	ASSESS	FISH	AQUATIC	PRIMARY	SECONDARY	DRINKING	AGRI &	MAJOR	MAJOR
			SEG	Acres	STATIONS		COMSUMP	LIFE	CONTACT	CONTACT	WATER	INDUSTRY	SOURCE	CAUSE
Bayou Meto	8020402	-007	3B	65.7	ARK60,50	M	N	N	S	S	S	S	IP	PO
Lake DuPree	8020402	NC	3B	10		M	N	N	S	S	S	S	IP	PO

# Arkansas Department of Environmental Quality

## Completed TMDLs (4a)



## Arkansas' Water Quality Limited Waterbodies (Streams) (Categories 5a-5e)

STREAM NAME	HUC	RCH	PLNG SEG	MILES	MONITORING STATIONS	ASSESS TYPE	FISH COMSUMP	AQUATIC LIFE	PRIMARY CONTACT	SECONDARY CONTACT	DRINKING WATER	AGRI & INDUSTRY	SOURCE				CAUSE				Category	Priority	
													1	2	3	4	1	2	3	4			
Bodcau Creek	11140205	-006	1A	22.4	RED27	M		N					UN				SI					5a	L
Bodcau Creek	11140205	-002	1A	6.0		E		N					UN				SI					5a	L
McKinney Bayou	11140201	-014	1B	21.6	RED55	M					N	N	UN				TDS					5a	M
McKinney Bayou	11140201	-012	1B	23.1	RED54	M					N	N	UN				TDS					5a	M
Red River	11140201	-011	1B	15.2	RED46	M					N	N	UN				TDS					5a	M
Red River	11140201	-007	1B	40.1	RED45	M					N	N	UN				TDS					5a	M
Red River	11140201	-005	1B	12.0		E					N	N	UN				TDS					5a	M
Red River	11140201	-004	1B	4.0		E					N	N	UN				TDS					5a	M
Red River	11140201	-003	1B	15.5	RED09	M					N	N	UN				TDS					5a	M
Sulphur River	11140302	-008	1B	0.8		E		N					UN				SI					5a	L
Sulphur River	11140302	-006	1B	6.5	RED05	M		N					UN				SI					5a	L
Sulphur River	11140302	-004	1B	0.7		E		N					UN				SI					5a	L
Days Creek	11140302	-003	1B	11.0	RED04A	M					N		MP				NO <sub>2</sub>					5a	H
Sulphur River	11140302	-002	1B	8.5		E		N					UN				SI					5a	L
Sulphur River	11140302	-001	1B	6.3		E		N					UN				SI					5a	L
Rolling Fork	11140109	-919	1C	12.8	RED58	M		N					IP	IP	IP		NO <sub>3</sub>	TP	Cu			5a	H
Mine Creek	11140109	-033	1C	22.1	RED48B+	M		N					IP				Cu					5a	M
Bear Creek	11140109	-025	1C	17.3	RED33	M					N		MP				NO <sub>3</sub>					5a	H
Big Bayou	8050001	-022	2A	27.1	BGB01+	M		N					AG	AG			SI	CL				5a	L
Boeuf River	8050001	-019	2A	58.1	BFR01	M		N					AG	AG			SI	CL				5a	L
Boeuf River	8050001	-018	2A	49.4	OUA15A	M		N					AG	AG			SI	CL				5a	L
Oak Bayou	8050002	-010	2A	48.4	OUA179	M		N			N	N	AG	AG	AG		SI	CL	TDS			5a	L
Macon Bayou	8050002	-006	2A	38.6		E		N					AG				SI					5a	L
Macon Bayou	8050002	-003	2A	80.5	BYM02	M		N					AG				SI					5a	L
Big Creek	8040203	-904	2C	10.0	OUA18	M		N					MP	UN			OE	SI				5a	L
Salt Creek	8040201	-806	2D	8.0	OUA137D	M		N					IP				Cu					5a	H
Flat Creek	8040201	-706	2D	16.0	OUA137C	M		N					IP	IP			Cu	Zn				5a	H
Elcc Trib.	8040201	-606	2D	8.5	OUA137A&B	M		N			N		IP	IP	IP		NO <sub>3</sub>	Cu	Zn			5a	H
Moro Creek	8040201	-001L	2D	12.0	OUA28	M		N					UN				SI					5a	L
Moro Creek	8040201	-001U	2D	57.9		E		N					UN				SI					5a	L
Big Cornie Creek	8040206	-015	2E	15.0	OUA02	M		N					RE				Zn					5a	L
Cove Creek	8040101	-901	2F	9.6	OUA159	M		N					RE				Cu					5a	M
S. Fork Caddo	8040102	-023	2F	16.6	OUA44	M		N					RE	RE			Cu	Zn				5a	H
Cadron Creek	11110205	-012	3D	9.5		E		N					UN				SI					5a	M
Cadron Creek	11110205	-011	3D	2.2	CCR01	M		N					UN				SI					5a	M
White Oak Creek	11110203	-927	3F	10.0	ARK53	M		N					UN				SI					5a	L
Arkansas River	11110203	-031L	3F	9.4	ARK32	M					N	N	UN				TDS					5a	M
Arkansas River	11110203	031U	3F	2.0	ARK32	M		N					HP				DO					5a	M
Arkansas River	11110104	-001	3H	11.0	ARK38	M					N	N	UN				TDS					5a	M
Arkansas River	11110201	-001	3H	12.4	ARK33	M					N	N	UN				TDS					5a	M
Poteau River	11110105	-001	3I	2.0	ARK14	M		N					SE				SI					5a	M
Poteau River	11110105	031L	3I	6.6	ARK55	M		N					SE	MP	IP		SI	NO <sub>3</sub>	TP			5a	M
Bayou DeView	8020302	-009	4B	20.3	WHI26	M		N					MP	MP	MP	MP	AI	Cu	Pb	Zn		5a	M
Hicks Creek	11010004	-015	4F	9.1	WHI65	M		N					MP				Cu					5a	M
Norfolk River	11010006	-001	4F	4.2	USGS	M		N					HP				DO					5a	H
Caney Creek	11010012	-016	4G	11.6	WHI143Q&R	M			N				AG				PA					5a	H
Mill Creek	11010012	-015	4G	9.9	WHI143N	M			N				AG				PA					5a	H
Reed's Creek	11010012	-014	4G	15.0	RDC01	M			N				AG				PA					5a	H
Strawberry R.	11010012	-011	4G	20.4	SBR01	M		N	N				SE	AG			SI	PA				5a	H
L. Strawberry River	11010012	-010	4G	16.0	WHI0143H+	M		N	N				SE	AG			SI	PA				5a	H
Strawberry R.	11010012	-009	4G	28.4	SBR02	M		N	N				SE	AG			SI	PA				5a	H

## Arkansas' Water Quality Limited Waterbodies (Streams) (Categories 5a-5e)

STREAM NAME	HUC	RCH	PLNG SEG	MILES	MONITORING STATIONS	ASSESS TYPE	FISH COMSUMP	AQUATIC LIFE	PRIMARY CONTACT	SECONDARY CONTACT	DRINKING WATER	AGRI & INDUSTRY	SOURCE				CAUSE				Category	Priority
													1	2	3	4	1	2	3	4		
Strawberry R.	11010012	-008	4G	8.4		E		N	N				SE	AG			SI	PA			5a	H
Strawberry R.	11010012	-006	4G	19.0	WHI24	M		N					SE				SI				5a	H
Strawberry R.	11010012	-005	4G	0.7		E		N					SE				SI				5a	H
Strawberry R.	11010012	-004	4G	0.3		E		N					SE				SI				5a	H
Cooper Creek	11010012	-003	4G	11.8	WHI143S	M			N				AG				PA				5a	H
Crooked Creek	11010003	-048	4I	31.7	WHI48A	M		N					RE				Temp				5a	M
White River	11010003	002U	4I	3.0	USGS	M		N					HP				DO				5a	H
West Fork	11010001	-024	4K	27.2	WHI51	M		N					SE				SI				5a	H
White River	11010001	-023	4K	6.2	WHI52	M		N				N	SE				SI				5a	H
Big Creek	11140203	-023	1A	21.8	BIG01	M						N	MP	MP	MP		CL	SO4	TDS		5b	L
Dorcheat Bayou	11140203	-022	1A	8.4	RED15A	M						N	UN				SO4				5b	L
Dorcheat Bayou	11140203	-020	1A	11.9		E						N	UN				SO4				5b	L
Mine Creek	11140109	-033	1C	22.1	RED48B+	M					N		IP				SO4				5b	L
Chemin-A-Haut Cr	8040205	-907	2B	30.5	OUA12	M			N				UN				PA				5b	L
B. Bartholomew	8040205	-013	2B	33.9	BYB03	M						N	AG	AG			CL	TDS			5b	L
B. Bartholomew	8040205	-002	2B	17.9	OUA154	M						N	UN				CL				5b	L
B. Bartholomew	8040205	-001	2B	60.1	OUA13	M						N	UN				CL				5b	L
B. Bartholomew	8040205	012U	2B	82.7	BYB02	M						N	AG	AG			CL	TDS			5b	L
Saline River	8040203	-010	2C	29.8	OUA26&41	M						N	RE	RE			TDS	SO4			5b	L
Saline River	8040203	-009	2C	15.6		E						N	RE				TDS				5b	L
Lost Creek	8040203	-008	2C	33.5		E						N	RE				TDS				5b	L
Saline River	8040203	-007	2C	3.8	OUA42	M						N	RE				TDS				5b	L
Saline River	8040203	-006	2C	17.5	OUA118	M						N	RE	RE			TDS	SO4			5b	L
Bayou De L'outr	8040202	-008	2D	10.6		E						N	RE	RE			TDS	SO4			5b	L
Bayou De L'outr	8040202	-007	2D	6.9		E						N	RE	RE			TDS	SO4			5b	L
Bayou De L'outr	8040202	-006	2D	32.4	OUA05	M						N	RE	RE			TDS	SO4			5b	L
Walker Branch	8040206	-916	2E	3.0		E						N	RE				SO4				5b	L
Little Cornie Bayou	8040206	-816	2E	3.0		E						N	RE				SO4				5b	L
Little Cornie Bayou	8040206	-716	2E	5.0		E						N	RE				SO4				5b	L
Little Cornie Creek	8040206	-016	2E	18.0		E						N	RE				SO4				5b	L
Big Cornie Creek	8040206	-015	2E	15.0	OUA02	M						N	RE				SO4				5b	L
Wabbaseka Bayou	8020401	-003	3A	101.7	WSB01	M		N					AG				SI				5b	L
Cache River	8020302	-032	4B	11.4		E		N					AG				SI				5b	L
Cache River	8020302	-031	4B	3.4		E		N					AG				SI				5b	L
Cache River	8020302	-029	4B	3.9		E		N					AG				SI				5b	L
Cache River	8020302	-028	4B	5.9	CHR04	M		N					AG				SI				5b	L
Cache River	8020302	-027	4B	3.9		E		N					AG				SI				5b	L
Cache River	8020302	-021	4B	18.4		E		N					AG				SI				5b	L
Cache River	8020302	-020	4B	22.6	CHR03	M		N					AG				SI				5b	L
Cache River	8020302	-019	4B	13.7		E		N					AG				SI				5b	L
Cache River	8020302	-018	4B	25.0	CHR02	M		N					AG				SI				5b	L
Cache River	8020302	-017	4B	15.8		E		N	N				AG	AG			SI	PA			5b	L
Cache River	8020302	-016	4B	21.8	WHI32	M		N	N				AG	AG			SI	PA			5b	L
Bayou DeView	8020302	-009	4B	20.3	WHI26	M		N					AG				SI				5b	L
Bayou DeView	8020302	-007	4B	18.2		E		N					AG				SI				5b	L
Bayou DeView	8020302	-006	4B	10.2		E		N					AG				SI				5b	L
Bayou DeView	8020302	-005	4B	8.6		E		N					AG				SI				5b	L
Bayou DeView	8020302	-004	4B	21.2	BDV02	M		N					AG				SI				5b	L
Bayou DeView	8020302	-003	4B	7.1		E			N				AG				PA				5b	L
Bayou DeView	8020302	-002	4B	13.7	WHI33	M			N				AG				PA				5b	L
Glaise Creek	11010013	-021	4C	30.1	GSC01	M			N				AG				PA				5b	L
Village Creek	11010013	-014	4C	22.8		E		N					AG				SI				5b	L

## Arkansas' Water Quality Limited Waterbodies (Streams) (Categories 5a-5e)

STREAM NAME	HUC	RCH	PLNG SEG	MILES	MONITORING STATIONS	ASSESS TYPE	FISH COMSUMP	AQUATIC LIFE	PRIMARY CONTACT	SECONDARY CONTACT	DRINKING WATER	AGRI & INDUSTRY	SOURCE				CAUSE				Category	Priority	
													1	2	3	4	1	2	3	4			
Village Creek	11010013	-012	4C	7.4	VGC02	M		N					AG					SI				5b	L
Village Creek	11010013	-008	4C	13.0		E		N					AG					SI				5b	L
Village Creek	11010013	-007	4C	1.2		E		N					AG					SI				5b	L
Village Creek	11010013	-006	4C	25.2	VGC01&03	M		N					AG					SI				5b	L
Cypress Bayou	8020301	-012	4D	17.5		E			N				AG					PA				5b	L
Cypress Bayou	8020301	-011	4D	9.5		E			N				AG					PA				5b	L
Cypress Bayou	8020301	-010	4D	5.0	CCPB01	M			N				AG					PA				5b	L
S. F. Little Red River	11010014	-038	4E	14.7	SRR01&02	M			N				UN					PA				5b	L
Little Red River	11010014	-012	4E	8.0		E			N				UN					PA				5b	L
Little Red River	11010014	-010	4E	2.9		E			N				UN					PA				5b	L
Ten Mile Creek	11010014	-009	4E	18.6	TMC01	M		N	N				SE	UN				SI	PA			5b	L
Little Red River	11010014	-008	4E	9.0		E			N				UN					PA				5b	L
Little Red River	11010014	-007	4E	21.4	WHI59	M			N				UN					PA				5b	L
Overflow Creek	11010014	-006	4E	21.7	OFC01	M		N	N				AG	AG				SI	PA			5b	L
Overflow Creek	11010014	-004	4E	21.7		E		N	N				AG	AG				SI	PA			5b	L
Salado Creek	11010004	-012	4F	27.4	WHI166	M			N				AG					PA				5b	L
Big Creek	11010014	-018	4F	9.4	WHI164	M			N				AG					PA				5b	L
Greenbrier Creek	11010014	-017	4F	10.6	WHI167	M			N				AG					PA				5b	L
Data Creek	11010012	-902	4G	21.8	WHI165	M			N				AG					PA				5b	L
Bear Creek	11010005	-026	4J	23.9	BRK01+	M							MP					TDS				5b	L
War Eagle Creek	11010001	-060	4K	28.3		E					N	N	MP	MP	MP			CL	SO4	TDS		5b	L
Holman Creek	11010001	-059	4K	9.1	WHI70	M					N	N	MP	MP	MP			CL	SO4	TDS		5b	L
Kings River	11010001	-037	4K	19.1	WHI09A	M						N	MP					TDS				5b	L
West Fork	11010001	-024	4K	27.2	WHI51	M		N				N	UN					SO4				5b	L
Tyronza River	8020203	-012	5A	50.0	FRA33	M		N					AG					SI				5b	L
Blackfish Bayou	8020203	-007	5A	16.1	FRA27	M		N					AG					SI				5b	L
Fifteen Mile Bayou	8020203	-006	5A	38.4	FRA28	M		N					AG					SI				5b	L
Blackfish Bayou	8020203	-005	5A	2.6		E		N					AG					SI				5b	L
Blackfish Bayou	8020203	-003	5A	2.4		E		N					AG					SI				5b	L
Dorcheat Bayou	11140203	-026	1A	23.3	BDT02	M		N					UN					pH				5c	M
Dorcheat Bayou	11140203	-024	1A	7.0		E		N					UN					pH				5c	M
Dorcheat Bayou	11140203	-022	1A	8.4	RED15A	M		N					UN					pH				5c	M
Dorcheat Bayou	11140203	-020	1A	11.9		E		N					UN					pH				5c	M
Bodcau Creek	11140205	-006	1A	22.4	RED27	M		N					UN					pH				5c	M
Bodcau Creek	11140205	-002	1A	6.0		E		N					UN					pH				5c	M
Mine Creek	11140109	-033	1C	22.1	RED48B+	M		N					IP					Zn				5c	M
Big Creek	8040203	-904	2C	10.0	OUA18	M		N					MP					Pb				5c	M
Hurricane Creek	8040203	-004	2C	19.5	OUA31	M		N					UN					DO				5c	M
Big Creek	8040204	-005	2C	28.9	OUA43	M		N					UN					pH				5c	M
Bayou De L'outre	8040202	-008	2D	10.6		E		N					RE	RE	RE			Cu	Pb	Zn		5c	M
Bayou De L'outre	8040202	-007	2D	6.9		E		N					RE	RE	RE			Cu	Pb	Zn		5c	M
Bayou De L'outre	8040202	-006	2D	32.4	OUA05	M		N					RE	RE	RE			Cu	Pb	Zn		5c	M
Walker Branch	8040206	-916	2E	3.0		E		N					RE					Zn				5c	M
Little Cornie Bayou	8040206	-816	2E	3.0		E		N					RE					Zn				5c	M
Little Cornie Bayou	8040206	-716	2E	5.0		E		N					RE					Zn				5c	M
Little Cornie Creek	8040206	-016	2E	18.0		E		N					RE					Zn				5c	M
Cove Creek	8040101	901	2F	9.6	OUA159	M		N					RE	RE				pH	Zn			5c	M
Caddo River	8040102	-019	2F	7.7		E		N					UN	UN				Zn	Cu			5c	M
Caddo River	8040102	-018	2F	4.1		E		N					UN	UN				Zn	Cu			5c	M
Caddo River	8040102	-016	2F	13.5	OUA23	M		N					UN	Un				Cu	Zn			5c	M
Poteau River	11110105	031L	3I	6.6	ARK55	M		N					IP	MP				Cu	Zn			5c	M
Buffalo River	11010005	-005	4J	6.9	WHI49A	M		N					UN					DO				5c	M

## Arkansas' Water Quality Limited Waterbodies (Streams) (Categories 5a-5e)

STREAM NAME	HUC	RCH	PLNG SEG	MILES	MONITORING STATIONS	ASSESS TYPE	FISH COMSUMP	AQUATIC LIFE	PRIMARY CONTACT	SECONDARY CONTACT	DRINKING WATER	AGRI & INDUSTRY	SOURCE				CAUSE				Category	Priority	
													1	2	3	4	1	2	3	4			
St. Francis River	8020203	-014	5A	22.8	FRA08	M		N					UN					DO				5c	M
Bodcau Creek	11140205	-006	1A	22.4	RED27	M		N					UN					Zn				5d	M
Bodcau Creek	11140205	-002	1A	6.0		E		N					UN					Zn				5d	M
McKinney Bayou	11140201	-014	1B	21.6	RED55	M					N	N	UN					SO4				5d	M
McKinney Bayou	11140201	-012	1B	23.1	RED54	M					N	N	UN					SO4				5d	M
Mine Creek	11140109	-033	1C	22.1	RED48B+	M			N				IP					PA				5d	M
Holly Creek	11140109	-013	1C	12.7	RED34A&B	M			N				MP	IP				PA				5d	M
Big Bayou	8050001	-022	2A	27.1	BGB01+	M		N					AG	AG				TDS	SO4			5d	M
Beouf River	8050001	-019	2A	58.1	BFR01	M		N					AG	AG				TDS	SO4			5d	M
Beouf River	8050001	-018	2A	49.4	OUA15A	M		N					AG	AG				TDS	SO4			5d	M
Cross Bayou	8040205	-905	2B	2.4	OUA152	M			N				UN					PA				5d	M
Jack's Bayou	8040205	-904	2B	6.0	OUA150	M			N				UN					PA				5d	M
Melton's Creek	8040205	-903	2B	8.7	OUA160	M			N				UN					PA				5d	M
Harding Creek	8040205	-902	2B	4.6	OUA145	M				N			UN					PA				5d	M
Bearhouse Creek	8040205	-901	2B	24.4	OUA155	M			N				UN					PA				5d	M
B. Bartholomew	8040205	-013	2B	33.9	BYB03	M			N				AG					PA				5d	M
Cutoff Creek	8040205	-007	2B	16.8	COC01	M		N					UN					SI				5d	M
B. Bartholomew	8040205	-006	2B	82.3	OUA33	M		N					AG					DO				5d	M
Deep Bayou	8040205	-005	2B	28.9	OUA151	M			N				AG					PA				5d	M
B. Bartholomew	8040205	-002	2B	17.9	OUA154	M		N					AG					DO				5d	M
B. Bartholomew	8040205	012U	2B	82.7	BYB02	M		N					AG					DO				5d	M
Big Creek	8040204	-005	2C	28.9	OUA43	M		N					UN					SI				5d	M
Smackover Creek	8040201	-007	2D	29.1		E		N					RE					Zn				5d	M
Smackover Creek	8040201	-006	2D	14.8	OUA27	M		N					RE					Zn				5d	M
Ouachita River	8040201	-005	2D	34.2	OUA37	M		N					UN	UN				Cu	Zn			5d	M
Ouachita River	8040202	-004	2D	28.9	OUA124B	M		N					UN					Zn				5d	M
Ouachita River	8040202	-002	2D	4.0	OUA08B	M		N					UN					Zn				5d	M
Prairie Creek	8040101	-048	2F	10.0	OUA40	M		N					UN					SI				5d	M
Wabbaseka Bayou	8020401	-003	3A	101.7	WSB01	M		N					UN					DO				5d	M
Bayou Melo	8020402	-007	3B	65.7	ARK60.50	M		N					IP	UN				Pb	DO			5d	M
Bayou Two Prairie	8020402	-006	3B	44.7	ARK97	M		N					UN					DO				5d	M
Walnut Creek	11110202	-902	3H	5.1	ARK125	M			N				UN					PA				5d	M
Mill Creek	11110202	-901	3H	8.6	ARK110	M			N				AG					PA				5d	M
Short Mountain Cr	11110202	-043	3H	14.9	ARK11B	M		N					MP					Cu				5d	M
Little Piney Creek	11110202	-025	3H	27.2	ARK126	M			N				UN					PA				5d	M
Little Piney Creek	11110202	-024	3H	6.2	ARK104	M			N				AG					PA				5d	M
Hurricane Creek	11110202	-022	3H	15.4	ARK119	M			N				UN					PA				5d	M
Big Piney Creek	11110202	-018	3H	5.8	ARK105	M			N				AG					PA				5d	M
Town Branch	11110103	-901	3J	3.0	ARK56	M		N					MP					TP				5d	M
Clear Creek	11110103	-029	3J	13.5	ARK10C	M			N				UR					PA				5d	M
Boat Gunwale Slash	8020304	-914	4A	5.0	WHI74	M		N					AG					DO				5d	M
Prairie Cypress	8020304	-014	4A	26.1	WHI73	M		N					AG					DO				5d	M
Big Creek	8020304	-010	4A	34.3	BGC03	M						N	AG	AG				CL	TDS			5d	M
Cache River	8020302	-032	4B	11.4		E		N					AG					Pb				5d	M
Cache River	8020302	-031	4B	3.4		E		N					AG					Pb				5d	M
Cache River	8020302	-029	4B	3.9		E		N					AG					Pb				5d	M
Cache River	8020302	-028	4B	5.9	CHR04	M		N					AG					Pb				5d	M
Cache River	8020302	-027	4B	3.9		E		N					AG					Pb				5d	M
Cache River	8020302	-021	4B	18.4		E		N					AG					Pb				5d	M
Cache River	8020302	-020	4B	22.6	CHR03	M		N					AG					Pb				5d	M
Village Creek	11010013	-008	4C	13.0		E		N					AG					DO				5d	M
Village Creek	11010013	-007	4C	1.2		E		N					AG					DO				5d	M



## Arkansas' Water Quality Limited Waterbodies (Streams) (Categories 5a-5e)

STREAM NAME	HUC	RCH	PLNG SEG	MILES	MONITORING STATIONS	ASSESS TYPE	FISH COMSUMP	AQUATIC LIFE	PRIMARY CONTACT	SECONDARY CONTACT	DRINKING WATER	AGRI & INDUSTRY	SOURCE				CAUSE				Category	Priority
													1	2	3	4	1	2	3	4		
Village Creek	11010013	-006	4C	25.2	VGC01&03	M		N					AG				DO				5d	M
Wattensaw Bayou	8020301	-015	4D	48.2	WHI72	M		N					UN				DO				5d	M
M. Fk. Little Red	11010014	-028	4E	12.0		E		N	N				UN	UN			PA	DO			5d	M
M. Fk. Little Red	11010014	-027	4E	8.8	WHI43	M		N	N				UN	UN			PA	DO			5d	M
Hicks Creek	11010004	-015	4F	9.1	WHI65	M			N				MP	MP			PA	TP			5d	M
Black River	11010009	-005	4G	17.5	WHI25	M		N					AG				DO				5d	M
Strawberry R.	11010012	-006	4G	19.0	WHI24	M		N					AG				DO				5d	M
Spring River	11010010	-007	4H	4.0		E		N					UN				TEMP				5d	M
Spring River	11010010	-006	4H	5.3	WHI22	M		N					UN				TEMP				5d	M
Spring River	11010010	-003	4H	9.4	WHI21	M		N					UN				DO				5d	M
Warm Fork Spring R.	11010010	008t	4H	3.1	WHI06A	M		N					UN				DO				5d	M
Eleven Point River	11010011	-001	4H	33.1	WHI05B	M		N					AG				DO				5d	M
Caney Creek	8020203	-901	5A	9.0	FRA34	M					N	N	UN				TDS				5d	M
St. Francis River	8020203	-014	5A	22.8	FRA08	M		N					UN				Cu				5d	M
Ten Mile Bayou	8020203	006t	5A	17.3	FRA29	M		N					AG				DO				5d	M
Caney Creek	8020203	-901	5B	9.0	FRA34	M						N	AG				TDS				5d	M
Second Creek	8020205	-008	5B	16.4	FRA12	M		N					AG				DO				5d	M
L' Anguille River	8020205	-005	5B	44.1	LGR02	M		N					AG				DO				5d	M
Mountain Fork	11140108	-014	1D	11.0	RED01	M		N					UN				Temp				5e	M
Fourche LaFave R.	11110206	-007	3E	20.2	ARK37	M		N					UN				Temp				5e	M
Bayou DeView	8020302	-009	4B	20.3	WHI26	M		N				N	AG	MP	MP		TDS	CL			5e	M
Warm Fk. Spring R.	11010010	008t	4H	3.1	WHI06A	M						N	UN				TDS				5e	M
Crooked Creek	11010003	-049	4I	36.2	WHI66, 67	M					N	N	UN				TDS				5e	M
Crooked Creek	11010003	-048	4I	31.7	WHI48A,B,C	M					N	N	UN				TDS				5e	M
White River	11010001	-027	4K	23.8	WHI106	M		N					UN				DO				5e	M
West Fork	11010001	-024	4K	27.2	WHI51	M		N					RC	AG			TDS				5e	M
White River	11010001	-023	4K	6.2	WHI52	M		N				N	RC	AG			TDS	CL	SO4		5e	M
L' Anguille River	8020205	-005	5B	44.1	LGR02	M		N				N	AG	AG	AG		TDS	CL	SO4		5e	M
L' Anguille River	8020205	-004	5B	16.0	LGR01	M		N				N	AG	AG	AG		TDS	CL	SO4		5e	M
L' Anguille River	8020205	-003	5B	1.8		E		N				N	AG				TDS				5e	M
L' Anguille River	8020205	-002	5B	16.8		E		N				N	AG				TDS				5e	M
L' Anguille River	8020205	-001	5B	19.7	FRA10	M		N				N	AG				TDS				5e	M
Prairie Creek	8020205	901	5B	12.8	FRA35	M		N				N	AG	AG	AG		TDS	CL	SO4		5e	M

Stream segments previously listed on the 2002 303(d) list.

Some segments were previously listed for those parameters highlighted. Un-highlighted parameters indicate a new listing.

## Arkansas' Water Quality Limited Waterbodies (Lakes) (Category 5a)

LAKE NAME	HUC	LAKE	PLNG	ACRES	COUNTY	ASSESS	FISH	AQUATIC	PRIMARY	SECONDARY	DRINKING	AGRI &	MAJOR	MAJOR	STATUS	TMDL	PRIORITY
		TYPE	SEG				COMSUMP	LIFE	CONTACT	CONTACT	WATER	INDUSTRY	SOURCE	CAUSE		DATE	
June	11140203	C	1A	60	Lafayette	M	S	N	S	S	S	S	RE	CL	5a	2006	M
First Old River	11140201	D	1B	200	Miller	M	S	N	S	S	S	S	UN	NU	5a	2006	M
Wilhelmina	11140108	C	1D	200	Polk	M	S	S	N	N	S	S	UN	PA	5a	2006	M
Grand	8050002	E	2A	1400	Chicot	M	S	N	S	S	S	S	UN	NU	5a	2006	M
Calion	8040201	C	2D	510	Union	M	S	N	S	S	S	S	RE	CL	5a	2006	M
Horseshoe	8020203	E	4A	1200	Crittenden	M	S	N	S	S	S	S	UN	NU	5a	2006	M
Frierson	8020302	C	4B	335	Greene	M	S	N	S	S	S	S	UN	SI	5a	2006	M
Old Town	8020302	D	5A	900	Phillips	M	S	N	S	S	S	S	UN	NU	5a	2006	M
Bear Creek	8020205	C	5B	625	Lee	M	S	N	S	S	S	S	UN	NU	5a	2006	M
Mallard	8050002	D	5C	300	Mississippi	M	S	N	S	S	S	S	UN	NU	5a	2006	M

# Arkansas Department of Environmental Quality 2004 Category 5a Waterbodies

