State of Mississippi

Water Quality Assessment

2014 Section 305 (b) Report

MISSISSIPPI DEPARTMENT OF
ENVIRONMENTAL QUALITY

State of Mississippi
Water Quality Assessment
2014 Section 305(b) Report

Department of Environmental Quality

June 25, 2014

Prepared by:
Office of Pollution Control
Field Services Division
Post Office Box 2261
Jackson, MS 39225
(601) 961-5171
www.deq.state.ms.us

ABSTRACT

Section 305(b) of the Federal Clean Water Act (CWA) requires each state to describe the quality of their water resources in a report for the United States Environmental Protection Agency (USEPA), Congress, and the public on a biennial basis. The Mississippi Department of Environmental Quality (MDEQ), as the lead agency for environmental protection in Mississippi, is the state agency responsible for generating this report. The purpose of Mississippi's 2014 Water Quality Assessment §305(b) Report is to comprehensively describe for USEPA, Congress, and the public the status of the quality of the state's surface waters. This 2014 §305(b) report fulfills all reporting requirements under §305(b) of the CWA. Along with the water quality assessment information, the report also describes the state's assessment methodology and gives the causes, where known, for those waters identified as impaired. Additionally, Mississippi's surface water quality monitoring program is described in this report.

ACKNOWLEDGEMENTS

The authors would like to express their appreciation to the staff of the Surface Water Division's Basin Management Section and the Modeling and TMDL Branch who contributed to this report. It should also be noted that without the help and support from the staff in the Data Integration Division who helped with all database needs and GIS support, development of this report would not have been possible. Special thanks is extended to the staff of the Field Services Division for their data collection and laboratory efforts in providing most of the data used in this assessment cycle, as well as their contributions to this narrative report. The Water Quality Assessment Section would also like to thank Jeff Thomas and Kosalram Gopalsamy without whom this effort would have been impossible.

TABLE OF CONTENTS

TABLE OF FIGURES

TABLE OF TABLES

List of Acronyms

ADB	Assessment Database
ALUS	Aquatic Life Use Support
AU	Assessment Unit
BEACH	Beaches Environmental Assessment and Coastal Health
BOD	Biochemical Oxygen Demand
CALM	Consolidated Assessment and Listing Methodology
CWA	Clean Water Act
DDT	Dichloro-Diphenyl-Trichloroethane
DO	Dissolved Oxygen
EMAP	Environmental Monitoring and Assessment Program
FDA	US Food and Drug Administration
FSD	Field Services Division
GCRL	University of Southern Mississippi Gulf Coast Research Laboratory
GIS	Geographic Information Systems
M-BISQ	Mississippi Benthic Index of Stream Quality
MDEQ	Mississippi Department of Environmental Quality
MDMR	Mississippi Department of Marine Resources
MDWFP	Mississippi Department of Wildlife Fisheries and Parks
NCA	National Coastal Assessment
NCTF	Nutrient Criteria Task Force
NHD	National Hydrography Dataset
NHEERL	USEPA Gulf Ecology Division National Health and Environmental Effects Research Laboratory
NOAA	National Oceanic and Atmospheric Administration
NPDES	National Pollutant Discharge Elimination System
NPS	Non Point Source
NRCS	National Resource Conservation Service
NSSP	National Shellfish Sanitation Program
OPC	Office of Pollution Control
ORD	US EPA Office of Research and Development
PCBs	Polychlorinated Biphenyls
QAPP	Quality Assurance Project Plans
QC	Quality Control
RU	Reporting Unit
SI	Stressor Identification
SOP	Standard Operating Procedures
STORET	STOrage and RETrevial System
SWMP	Surface Water Monitoring Program

TDS	Total Dissolved Solids
TMDL	Total Daily Maximum Load
TSI	Trophic State Index
TVA	Tennessee Valley Authority
USACE	United States Army Corps of Engineers
USDA	United States Department of Agriculture
USEPA	US Environmental Protection Agency
USFWS	US Fish and Wildlife Service
USGS	US Geological Survey
USM	University of Southern Mississippi
USNPS	US National Park Service
WADES	Water Assessment Data entry System
WQS	Water Quality Standards

PART I

INTRODUCTION

Introduction

Background and Purpose

According to the Federal Clean Water Act (CWA), §305(b) requires each state to describe the quality of their water resources, both surface water and ground water, in a report for the United States Environmental Protection Agency (USEPA), Congress, and the public on a biennial basis. The Mississippi Department of Environmental Quality (MDEQ), as the lead agency for environmental protection in Mississippi, is the state agency responsible for generating this report. MDEQ is committed to ensuring that everyone, regardless of race, culture, or income enjoys a healthy environment in which to live, learn, and work. For more information on the agency's mission, organizational structure, programs, and contacts, visit MDEQ's web site at www.deq.state.ms.us.

Historically, §305(b) reporting has involved comprehensive statewide assessments every two years since CWA was passed in 1972. Section 305(b) ground water assessments are updated separately. This report is designed to be comprehensive in nature, based upon the most current updated information applicable for statewide assessment of Mississippi's surface waters.

For §305(b) assessment, surface water quality data and other environmental information collected on the state's streams, rivers, lakes, estuaries, and coastal waters are compiled, summarized, and analyzed. In addition, ground water data and information are also assessed for the aquifers in the state. Monitoring data are routinely collected by MDEQ statewide through several different monitoring activities. These activities include Ambient Monitoring Networks, Program Support Monitoring Network, intensive surveys, and other special water quality studies. Data are used for many varied purposes, and are collectively analyzed and considered for assessment as part of the §305(b) water quality assessment process. In order to provide a thorough assessment, data are also solicited from and provided by other agencies, institutions, and private entities that conduct monitoring activities in the state.

The purpose of Mississippi's 2014 Water Quality Assessment §305(b) Report is therefore to comprehensively describe for USEPA, Congress, and the public the status of the quality of the state's surface waters. Along with the water quality assessment information, the report also describes the state's assessment methodology and gives the causes for those waters identified as impaired.

This 2014 §305(b) report is a comprehensive statewide report of surface water quality based on data collected from January 2008-December 2012. This report presents a compilation and summary of data collected statewide; only data collected within the reporting window are used for assessment. Beginning in 2001, more rigorous data quality and quantity requirements have been employed by MDEQ to ensure only scientifically-defensible data are used in the §305(b) assessment process.

For the §305(b) report, all data and information are considered for assessment but only water quality data that meet data quantity and quality requirements according to the state's Consolidated Assessment and Listing Methodology (CALM) (DEQ 2014) are assessed. MDEQ follows USEPA guidance for the development of the §305(b) report and the CALM (USEPA

1997, USEPA 2002, USEPA 2006). Assessment involves analysis of monitoring data and information to determine if a water body meets its designated use or uses. Water bodies are assigned one or more designated use(s) based on water body classifications as outlined in the state's Water Quality Standards (11 Miss. Admin. Code Pt. 6, Ch. 2) {WQS}. Designated uses assessed are: aquatic life support, water contact recreation, fish/shellfish consumption, and/or drinking water supply. Waters assessed as not attaining their use(s) in the §305(b) assessment process become candidates for listing on Mississippi's §303(d) list (MDEQ 2014).

Mississippi's Surface Waters

Mississippi lies predominantly within the East Gulf Coastal Plain physiographic region except for a small part of northeastern Mississippi which is part of the Interior Low Plateaus Province. The state is characterized with low to moderate topographic elevations, and slopes generally from the north southward to the Gulf of Mexico. The climate of the state is humid and subtropical with climatic variations influenced by the large land mass to the north and the Gulf of Mexico to the south. Mean annual precipitation ranges from 50 inches in the north to 65 inches near the coast. Most rainfall occurs in the spring for the majority of the state; but on the coast, July, August and September often have more rainfall. Fall is the driest season statewide with streams and rivers generally reaching their lowest stage for the year during October. Temperatures in the state vary with latitude and in the winter average from 31^{o}F in the north to 43^{o}F on the coast. Summer temperatures throughout Mississippi average 90^{o}F with frequent excursions above 100^{o}F especially in the south.

Mississippi has a population in excess of 2,938,618 (US Census Bureau 2006 Projection) and covers a surface area of 47,689 square miles. The state is divided into ten major river basins with a total length of streams in excess of 82,000 miles. Of these miles, 32% are perennial characterized by flowing water throughout the year. Intermittent streams which flow during rainy seasons but are dry during summer months represent 65% of Mississippi's total stream mileage. There are over 2,400 miles of man-made ditches and canals in the state. The Mississippi River (approximately 400 miles) and the Pearl River (approximately 80 miles) form Mississippi's border with Arkansas and Louisiana on the west side of the state. The state is covered with hundreds of publicly owned lakes, reservoirs and ponds covering a combined area of approximately 260,000 acres. According to landuse information, wetlands cover an estimated 2,728,000 acres with tidal marsh comprising approximately 53,000 acres of this total. The southern edge of Mississippi's contiguous land mass borders the Mississippi Sound with the coastline along the Mississippi Sound totaling approximately 84 miles. The total area of estuarine waters is approximately 758 square miles. This area includes the St. Louis Bay, Back Bay of Biloxi, Pascagoula Bay, Mississippi Sound, and the portion of the Gulf of Mexico that extends three miles south of the Barrier Islands. A tabular summary of the information given above can be found in Table 1.

Table 1: Mississippi Atlas

State Population	2,938,618
State surface area (square miles)	47,689
Number of river basins	10
Total number of river and stream miles*	82,154
- Number of perennial river miles (subset)*	26,379
- Number of intermittent stream miles (subset)*	53,351
- Number of ditch and canal miles	2,424
Number of lakes/reservoirs/ponds (>25 acres)	1,251
Acres of lakes/reservoirs/ponds (>25 acres)	259,533
Square miles of estuaries/harbors/bays	755
Number of coastal miles	84
- Number of Public Recreational Beach Miles	42
Acres of freshwater wetlands	2,728,072
Acres of tidal wetlands	52,875

*From USEPA NHD estimates

All waters of the state are classified for uses consistent with the goals of the Clean Water Act. Waters are classified according to one or more of the following classifications: Public Water Supply, Shellfish Harvesting, Recreation, Fish and Wildlife, and Ephemeral Stream. These classifications are explained fully in the state's water quality standards (WQS 11 Miss) available on MDEQ's web site. A summary of classified uses of state waters is found in Table 2.

Table 2: Total Sizes of Waters According to Use Classification

	Total Size According to Classification			
Classified Use	Rivers (miles)	Lakes (acres)	Estuaries (sq. miles)	Coastal Shoreline (miles)
Fish & Wildlife[a]	82,154	140,627		
Public Water Supply[ab]	87	13,597		
Recreation[b]	1,043	93,159	728	84
P. Water Supply & Rec.[ab]		22,577		
Shellfish Harvesting[bc]			6	
Recreation/Shellfish[b]			32	
Ephemeral	113			

[a]Also suitable for Secondary Contact Recreation

[b]Also suitable for Fish and Wildlife

[c]Also suitable for Recreation

PART II

SURFACE WATER ASSESSMENT METHODOLOGY AND STATEWIDE ASSESSMENT SUMMARY

Assessment Methodology

Introduction

Surface water quality assessments are technical reviews of physical, chemical, bacteriological, biological, and/or toxicological monitoring data as well as other information to determine the quality of surface water resources. A primary goal of surface water quality assessments, as required by §305(b), is to determine if the state's surface waters are meeting the fishable and swimmable goals of the CWA. A secondary goal of the §305(b) assessment process is to provide the necessary information on water body impairment for use in the development of the state's §303(d) list.

Surface water quality assessments are general characterizations of water body health and involve comparing data to the state's Water Quality Standards (WQS). Mississippi's WQS specify the appropriate levels for which various water quality parameters or indicators support a water body's designated use(s). Each use assessed for a water body is determined to be either "Attaining" or "Not Attaining" in accordance with the applicable water quality standards and USEPA guidelines for assessments pursuant to §305(b). A water body's use is said to be impaired when, based on current and reliable site-specific data of sufficient quantity, quality, and frequency of collection, is not attaining its designated use(s). Where data and information of appropriate quality and quantity indicate non-attainment of a designated use or uses for an assessed water body, the water body will be placed on the Mississippi 2014 Section 303(d) List of Impaired Water Bodies (MDEQ 2014) and be subject to further monitoring and/or Total Maximum Daily Load (TMDL) development. Assessments are necessary to answer basic questions like:

Does this water body support a healthy and diverse aquatic life for fish and other aquatic organisms?
Is this water body safe for swimming?
Are fish caught in this water body safe to eat?

To achieve the goals of the CWA, it is necessary to have requirements and guidelines for how water quality data are collected, analyzed, and assessed. A consistent and scientifically-defensible assessment methodology provides the mechanism to enable and support sound decision-making. The USEPA has developed, with state and public input, a national guidance document for the §305(b) assessment and §303(d) listing process. This Consolidated Assessment and Listing Methodology (CALM), finalized by USEPA in 2002, provides a framework for states to document and report how they collect and use water quality data and information for their §305(b) reporting and §303(d) listing process. USEPA recommended the use of the CALM guidance for the 2014 assessment but also allowed states flexibility and the option of using previous §305(b) guidance for water quality assessment purposes. For the Mississippi 2014 assessment, MDEQ has developed a document entitled Mississippi Consolidated Assessment and Listing Methodology (CALM) 2014 Assessment and Listing Cycle (MDEQ 2014) which can be

provided upon request or found at www.deq.state.ms.us. The purpose of this document is to specify MDEQ's data requirements and assessment guidelines for the 2014 §305(b) assessment and §303(d) listing cycle. Mississippi's CALM document primarily reflects USEPA CALM recommendations but also retains some elements of previous §305(b) guidance.

Water Quality Standards

Surface waters in Mississippi are used for a number of purposes. Waters are used for drinking and food processing, shellfishing, recreation, fishing, and aquatic life support. Water bodies are classified and assigned various use classifications by MDEQ in the state's Water Quality Standards based on the use of the water body identified by the public and other entities. The use classifications and associated USEPA designated uses for water quality assessment purposes recognized by the State of Mississippi are as follows:

Use Classification	USEPA Associated Designated Use
Public Water Supply	Drinking Water Supply
Recreation	Contact Recreation
Fish and Wildlife	Aquatic Life Use, Fish Consumption, Secondary Contact Recreation
Shellfish Harvesting	Shellfish Consumption

Most of Mississippi's waters are classified as Fish and Wildlife. For each of the use classifications listed above, there are various water quality criteria or standards that apply to those water body uses. These criteria are used in the assessment process. A water body (part or all of a stream, river, lake, estuary or coastline) should support one or more of these uses. A complete description of Mississippi's water body use classifications and water quality standards can be found in the state's WQS.

Mississippi 2014 §305(b) Assessment Methodology

Water quality data and information can take many different forms, from simple observations to routine fixed network monitoring and intensive surveys with extensive water chemistry, biology, and physical data sampling. For §305(b) Water Quality Assessment Reports, MDEQ assesses the state's streams, rivers, lakes, and estuaries by considering all existing and readily available information. This process is not limited to data collected only by MDEQ. MDEQ solicits available water quality data and information from various state, federal, public, and private sources. Data solicitation is facilitated through Mississippi's Basin Management Approach. The public may also submit water quality data for consideration at any time. This broad spectrum of available data is considered when making water quality assessments.

Data Representativeness

Previous USEPA §305(b) guidance, Guidelines for Preparation of the Comprehensive State Water Quality Assessments (§305(b) Reports) and Electronic Updates: Supplement (USEPA 1997), promoted the use of two types of assessments: "evaluated" and "monitored". MDEQ historically used evaluated and monitored assessments to make broader water quality statements to compensate for limited monitoring coverage. A water body assessed using evaluated data is defined as one for which the use support decision is based on information other than site-specific monitoring data. Such information includes land use surveys, incidents of pollution spills/fish kills, point source discharge data, and monitoring data greater than 5 years old. These data generally have a greater degree of uncertainty in characterizing in-stream water quality condition than assessments based upon site-specific in-stream monitoring data. Prior to 2002, this evaluated information was used in the assessment process as specified by USEPA §305(b) guidance.

MDEQ, as a general rule, will only use site-specific monitoring data of sufficient quality and quantity for making final water quality §305(b) assessments and §303(d) listing decisions. Any remaining information and monitoring data not meeting CALM requirements for data sufficiency will be used for a non-attainment assessment decision when those data and information demonstrate compelling evidence of water quality degradation of the overall condition of a water body, as defined in Mississippi's CALM document, and data quality documentation is available. If there is no documented data quality information, data do not meet data quality objectives, and/or data demonstrate potential impairment but at a lesser degree, the water body will be placed on a targeted monitoring list to confirm the actual water quality condition.

Section 305(b) water quality assessments are based on one or more different types of monitoring data that have been grouped together by water body and then analyzed collectively in order to determine the water quality status or condition of the water body. Monitoring data used for §305(b) assessments primarily consist of one or more of the following data types: physical/chemical, biological, habitat, bacteriological, and/or toxicological. Current site-specific ambient monitoring data are considered to most accurately portray water quality conditions. A water body is classified as monitored if sufficient (both in quantity and quality) physical, chemical, biological, bacteriological, and/or fish tissue data were collected on the water body at any time within the data window established for the §305(b) reporting period. For the 2012 §305(b) report, this data window is from 2006-2010.

Physical and chemical data include parameters such as pH, temperature, dissolved oxygen, nutrients, suspended solids, turbidity, specific conductance, and certain water column toxicants. Chemical monitoring data are compared to applicable numeric water quality criteria as found in MDEQ's most current version of the WQS document (MDEQ 2007b). This allows MDEQ to determine which pollutant specific numeric criteria are

violated. These criteria are used for aquatic life, recreation, shellfish consumption, and drinking water use assessment.

Biological data may include the community structure of aquatic insects and other benthic macroinvertebrates, fish, or algae as well as the condition of biological habitat in the water body. The biota of a water body reflect the physical, chemical, and biological integrity of the system and are considered to be direct indicators of Aquatic Life Use Support (ALUS). For Mississippi §305(b) assessments, benthic macroinvertebrate community data are the biological indicator primarily used to determine ALUS. Biological data collected as part of the Mississippi Benthic Index of Stream Quality (M-BISQ), MDEQ's biological monitoring network for wadeable streams, have been the primary source of data for ALUS assessments in Mississippi waters, due to rigorous project data quality objectives and a robust data set.

Bacteriological data include water column surveys for fecal coliform bacteria or other bacteriological indicators (i.e., enterococci). These data are used to assess the recreation use for waters to protect the public in swimming and other water related activities. For the 2014 §305(b) assessment, bacteriological data identified as meeting Mississippi CALM requirements were provided by the MDEQ Beach Monitoring Program and MDEQ Recreational Monitoring Network. Fecal coliform data are also used indirectly for assessment of the Shellfish Consumption use. Shellfish Consumption use assessment is accomplished through the review of the current shellfish harvesting classification of Mississippi coastal waters established by the National Shellfish Sanitation Program (NSSP) in Mississippi. The NSSP is administered by the Mississippi Department of Marine Resources (MDMR), and classifies coastal waters in Mississippi as either approved, conditionally approved, restricted or prohibited, based on results of fecal coliform monitoring conducted by MDMR.

Fish tissue data include the analyses of fish flesh for the presence of toxic organic chemicals and metals. For this report, the Fish Consumption Use is assessed only for non-attainment based on whether MDEQ and the Mississippi Department of Health have issued a Fish Tissue Advisory for a water body in the state. If an advisory for "restricted" or no consumption is in place and is supported by water body-specific fish tissue monitoring, the water body is assessed as not attaining this use.

The length of record of the data, the type of data and the frequency of data collection are considered when making use support determinations. According to the Mississippi CALM, at least 20 data points within a five-year period are required for conventional parameters and 10 data points within three years are required for assessment of toxicants. For bacteria data, not including data from the MDEQ Beach Monitoring Program, a minimum of five fecal coliform samples collected over a 30-day period in each season (summer and winter) over two years are necessary for bacteriological assessment. For MDEQ beach monitoring data, a total of 20 enterococci samples are needed in each season over a period of two years to meet CALM requirements.

In general, data utilized in §305(b) assessments are collected, analyzed, and interpreted in a manner consistent with state and USEPA guidelines.

Data Quality

The ability to make meaningful and scientifically defensible statements about the overall status of a water body depends directly on the vigor and quality under which the data are collected, analyzed, and reported. Data generated by MDEQ, other agencies, and individuals should be of the quality and quantity necessary to make credible and realistic assessment decisions on the condition of the state's waters. Whenever possible, data need to be of the highest quality and developed using sampling and analytical protocols and standard operating procedures recognized by state and USEPA quality assurance (QA) program plans. Data will not be assessed from data-reporting entities that do not provide data quality information or documented SOPs or procedures to support the data.

Water Body Use Support Determination

Use support decisions are made based on a cumulative evaluation of all the monitoring data coupled with any other existing and readily available information for an individual water body. A detailed description of the assessment methodology used by MDEQ for the 2014 §305(b) Assessment and §303(d) Listing process is provided upon request. The Mississippi CALM describes the minimum data quantity and quality needed to meet data sufficiency requirements for assessment. Decision-making criteria for attainment and non-attainment of each designated use are also presented in that document. These guidelines apply, as appropriate, to rivers, streams, lakes, estuaries, and coastal waters.

Within the water quality assessment process, a certain degree of uncertainty is inherent for any assessment decision made. The correctness of data analysis is directly dependent on study design, data quantity, data quality, and the accuracy and rigor of the methods used in collection, laboratory analysis, and the assessment process itself. All data used to make formal assessments of the quality of the state's waters, regardless of its source, will be evaluated in keeping with the requirements and guidelines contained in Mississippi's CALM document.

Assessment Database (ADB)

All information collected during the assessment process is placed in Mississippi's version of USEPA's Assessment Database (ADB), which has been customized to facilitate Mississippi's assessment and reporting needs. The ADB is useful for maintaining the quality and consistency of water body assessments. Information placed in ADB for each water body includes location and description, designated use, assessment types, assessment category (1-5 according to USEPA's Integrated Listing protocol), use support determinations, causes of impairment, and sources of impairment. The ADB allows for the linking of impairment causes and sources with different uses for the same water body and is used to generate the various required summary tables for each water body type.

Electronic ADB files for the §305(b) assessment are submitted to USEPA for compilation with data from the other states.

All water bodies cataloged in the ADB are also geo-referenced. Using Arc Info software, in conjunction with the National Hydrography Dataset (NHD) coverage, all water body assessments are assigned a unique identifier or assessment unit (AU) that is designated according to where the water body is located within a 12-digit subwatershed. The 12-digit subwatershed is referred to as the reporting unit (RU). The combination of the RU and the AU results in a 6 digit unique identifier that is cataloged in the ADB to store and track assessment information. The first number identifies the basin in which the water body is located. The major basins in the state are numbered 1 through 9 in alphabetical order (e.g. 1 is the Big Black River basin, and 9 is the Yazoo River Basin (Figure 1)). The next three digits in the identifier refer to the specific 12 digit subwatershed within the basin, starting with 001 (e.g. 146 located in the Big Black Basin would be 1146). The final two digits in the identifier refer to a specific stream segment within the subwatershed beginning with 11. For instance, Beaver Creek, with waterbody ID 521413 is stream segment 13 in subwatershed 214 in the Pearl River Basin. An exception to this system is found in the Yazoo River Basin. In the Yazoo, subwatersheds in the Hills region begin with 001, while subwatersheds in the Mississippi Delta begin with 500.

All geo-referenced information is provided to USEPA electronically. In addition, individual segment assessment information, similar to what is provided to USEPA Region IV via electronic data files, can be found in Appendix A. These assessments reflect the attainment status and corresponding category designation as of April 1, 2014.

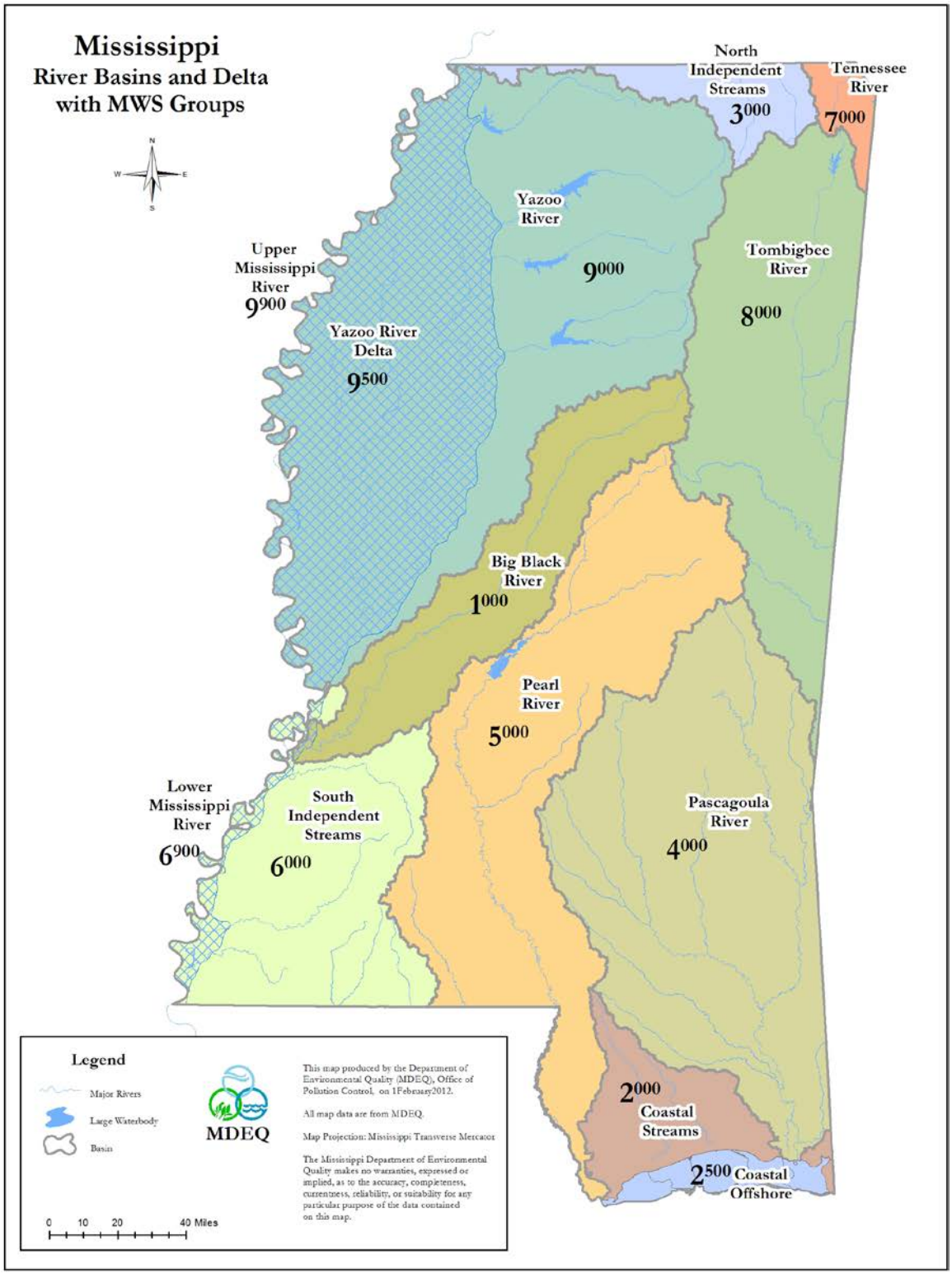

Figure 1: Mississippi River Basins and Delta

Statewide Assessment Summary

Designated Use Support-Rivers and Streams

For the 2014 §305(b) Water Quality Assessment Report, MDEQ assessed approximately 15% (3,867 miles) of Mississippi's total 26,379 miles of perennial streams and rivers for one or more uses. The status of water quality on the remaining 85% (22,518 miles) of the state's perennial rivers and streams is unknown. MDEQ collected monitoring data at more than 698 sites in the state (Figure 2).

The low percentage of assessed waters relative to the total stream and river mileage in the state is not an indication of MDEQ's lack of monitoring efforts. The mathematical calculation of miles monitored/assessed is surprisingly low when compared to the total miles of water resources in the state. The resulting assessed mileage is not an accurate depiction of the amount of importance MDEQ places on monitoring the state's surface water resources. It is more a factor of the amount of water resources in the state, available resources, and limitations recommended by USEPA §305(b) guidance on assigning assessed mileage to a monitoring station. As Mississippi's situation attests, it is not practical for a state to monitor all waters for a comprehensive assessment when the state has 82,154 miles of streams and rivers. MDEQ recognizes the need for a combination of monitoring and assessment approaches to address this situation in future assessments. One such tool is probability-based monitoring surveys. This is a more cost-effective and efficient way to produce a statistical estimate, of known confidence, describing the condition of a resource based on a random sampling design. Recommended by USEPA for §305(b) assessments, a state can assess 100% of its waters utilizing a probabilistic approach. MDEQ is currently using this methodology as part of the Mississippi Coastal Assessment Program and is planning to expand the probabilistic approach to the state's freshwater resources as funding allows.

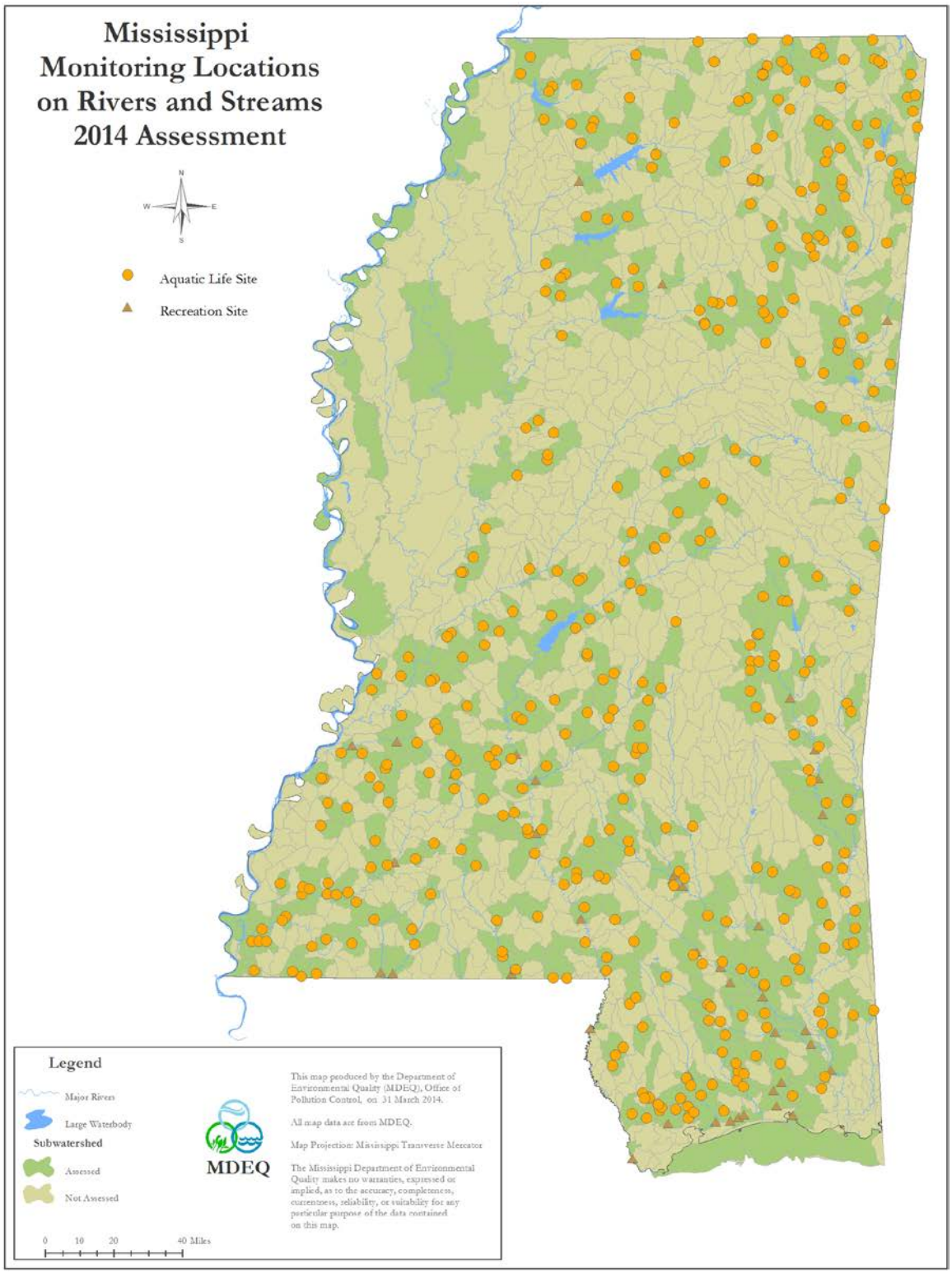

Figure 2: Monitoring Locations in Mississippi

For water bodies with multiple uses assessed, the ADB automatically assigns the water body mileages according to the Integrated Reporting category system. This categorization system assigns a water body use into one of five categories:

- Category 1: Attaining all uses
- Category 2: Attaining some uses but insufficient information for assessment of other uses
- Category 3: Insufficient information to assess any use
- Category 4: Not attaining a use but a TMDL is not necessary
- Category 5: Not attaining a use and a TMDL is needed

USEPA defines a Category 1 water as having sufficient data to prove there is no impairment for any potential designated use of that water body. Mississippi currently has no water bodies assigned to Category 1 due to USEPA requirements that all uses be assessed. Mississippi's assessments are placed in categories 2-5.

Of Mississippi's 26,379 total perennial stream and river miles, approximately 15% (3,917 miles) were assessed (Figure 3).

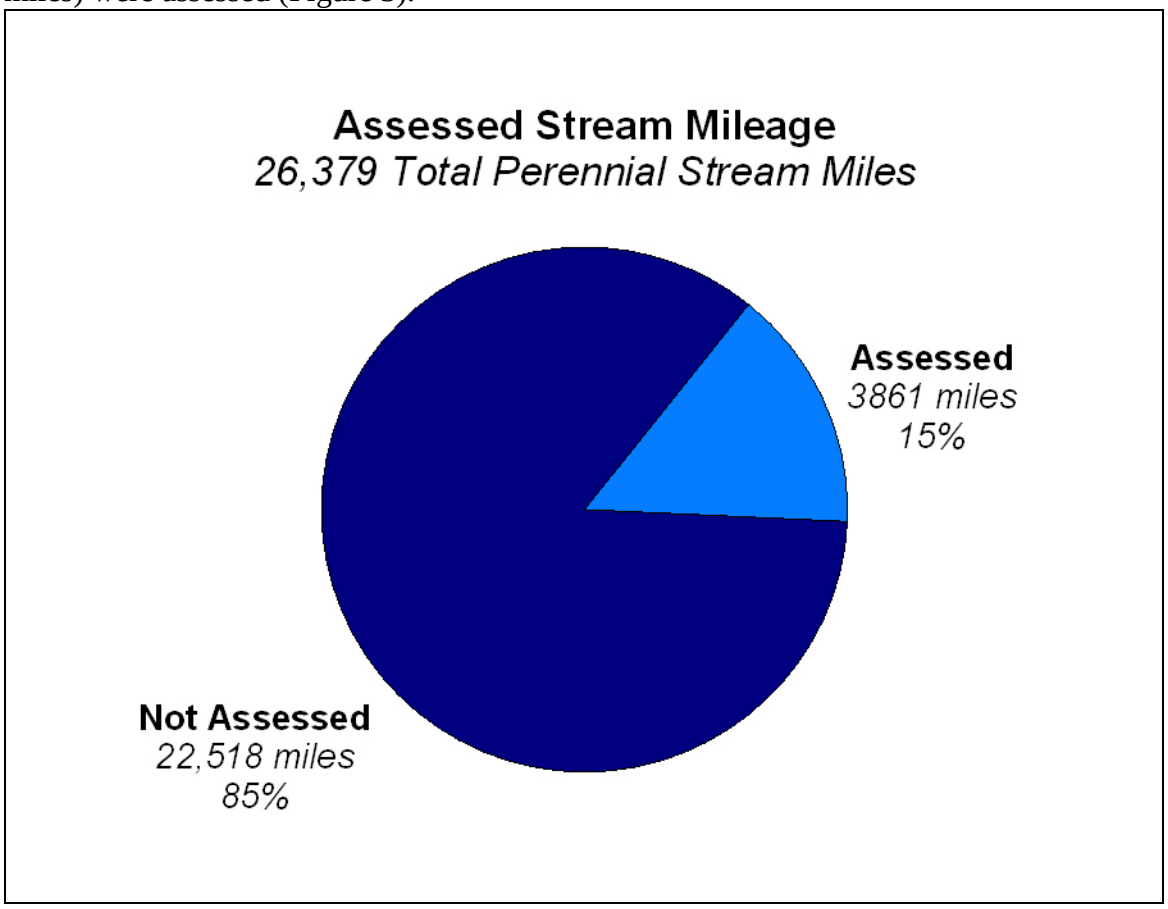

Figure 3: Assessed Stream Mileage Perennial Rivers and Streams

Causes and Sources of Impairment of Designated Uses- Rivers and Streams

Causes and sources of impairment were assigned for streams and rivers having one or more uses impaired. Total assessed sizes of streams and rivers affected by various cause categories are given in Table 3 and depicted in Figure 4. The largest percentage (45%) of miles of assessed water bodies not meeting their designated uses are categorized as biologically impaired. For the biologically impaired waters, the next step in the water quality management process is to conduct stressor identification analyses to identify the stressor(s) causing the impairment. Once the stressor(s) are identified, the TMDL process, where applicable, can proceed. For stressors identified that are attributed to pollution (i.e., a dam or levee) where TMDLs cannot be generated, other water quality management actions will be considered through the Basin Management Approach. Seventeen percent of impairments are caused by sediment. Most of these impairments were determined during the stressor identification process. Pathogens are indicated as the cause of impairment in 14% of the non-attaining water bodies. Other impairments were attributed to pH, nutrients, organic enrichment/low dissolved oxygen, conductivity, PCBs and pesticides. All of the stream miles determined to be impaired by mercury and PCBs are the result of fish consumption advisories.

The largest percentage of impairment is identified as biological, and the specific sources of the impairment are yet to be determined. As a result, unknown sources contribute to the majority of river miles assessed as not attaining one or more uses. To a lesser extent, pollutants are contributed by contaminated sediments, unspecified nonpoint source activities (i.e., urban, agricultural, silvicultural, and/or industrial runoff), and other smaller sources. As stated above, stressor identification analyses will be conducted for biologically impaired waters to identify sources of pollution contributing to impairment.

Table 3: Summary of Use Support Impairment Causes for Rivers and Streams

Cause Categories	Total Size Miles
Other	56
pH	142
Organic Enrichment/Low DO	280
Sedimentation/Siltation	448
Nutrients	424
Biological Impairment**	1,011
Pathogens	360
Total***	2,721

**Definitive cause identification is not possible at the time of assessment. Designation used to report on waters where biological indicators (macroinvertebrates) were used and impairment was indicated but further investigation needed to identify the cause of the impairment.

*****Total exceeds number of actual impaired miles due to presence of multiple impairment causes per assessed water body.**

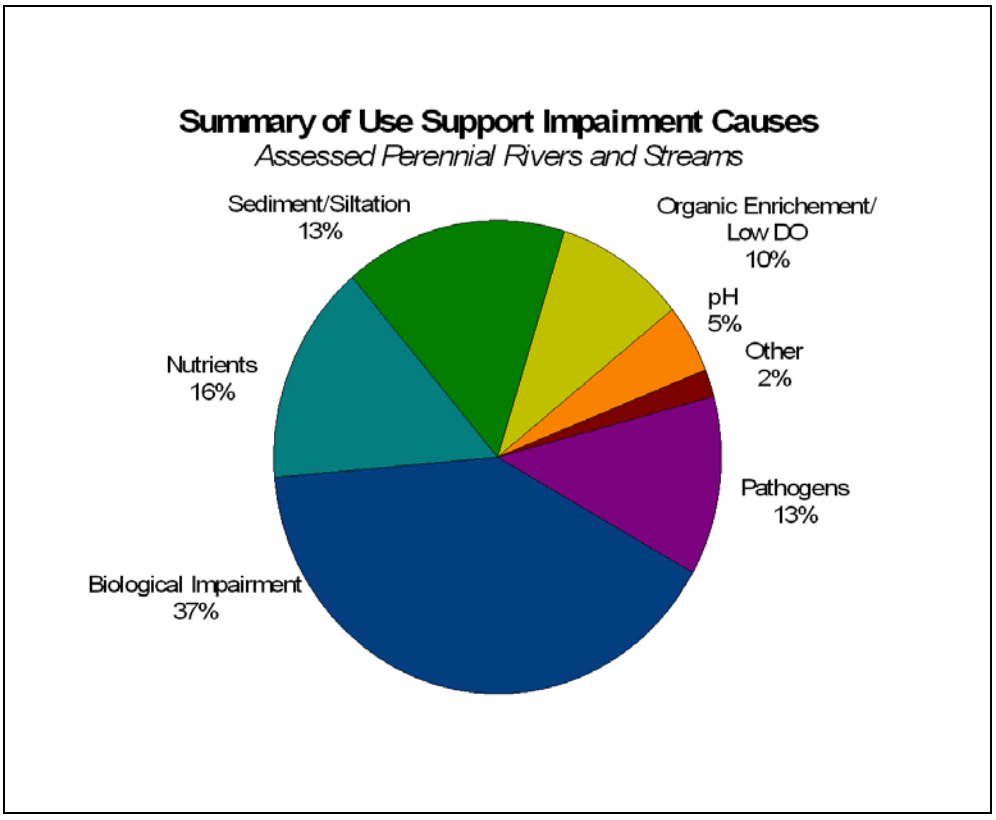

Figure 4: Summary of Use Support Impairment Causes: Rivers and Streams

Assessment Summary for ALUS and Recreation

Assessments for miles of perennial rivers and streams are cataloged by use. A water body may have several different uses assessed. Therefore, numbers represented in Tables 4 and 5 are different from the mileages presented earlier in this chapter. The following tables and figures provide the assessment summaries for Aquatic Life Use Support and Recreation Use Support. Fish Consumption use has also been assessed and can be found in Part III of this report. These mileages represent the attainment status assessed for a specific use. Figures 5 and 6 give a summary of use support according to the individual uses assessed.

Table 4: Aquatic Life Use Support Summary for Perennial Rivers and Streams

Status	Miles
Attaining	1,764
Unknown	22,913
Total Not Attaining	1,702
TMDL not needed	561
TMDL needed	1,141
Total Perennial Miles	26,379

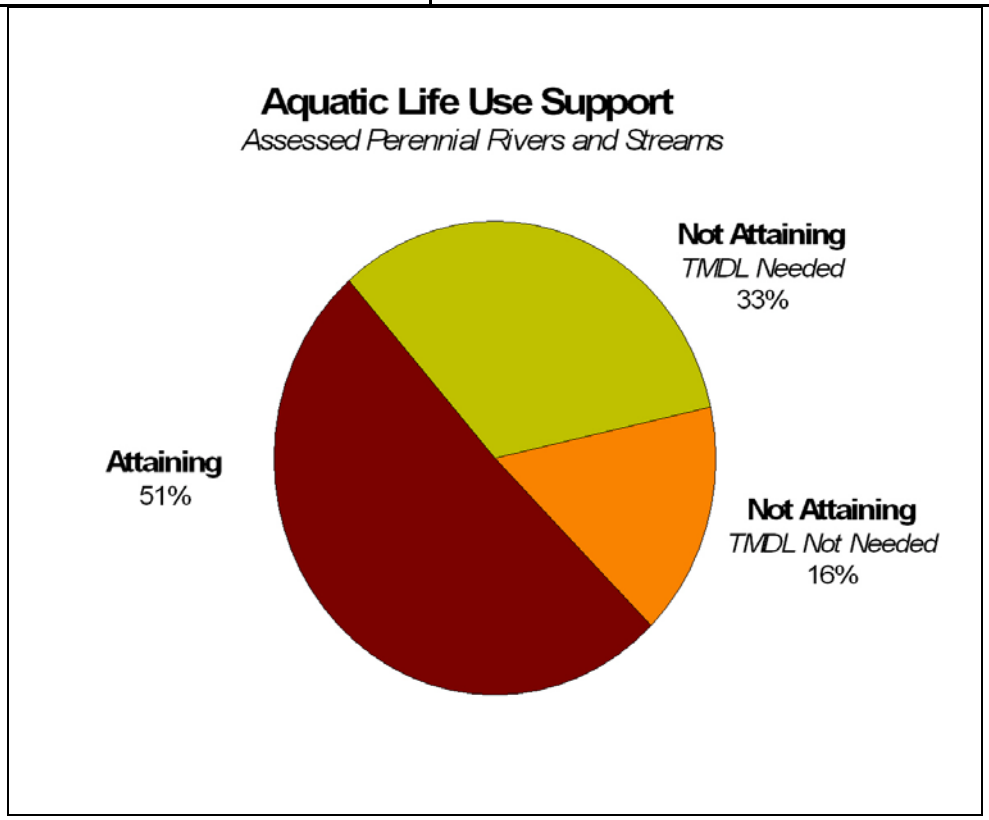

Figure 5: Aquatic Life Use Support Summary

Table 5: Recreation Use Support Summary for Perennial Rivers and Streams

Status	Miles
Attaining	91
Unknown	25,289
Total Not Attaining	360
TMDL not needed	360
Total Perennial Miles	26,379

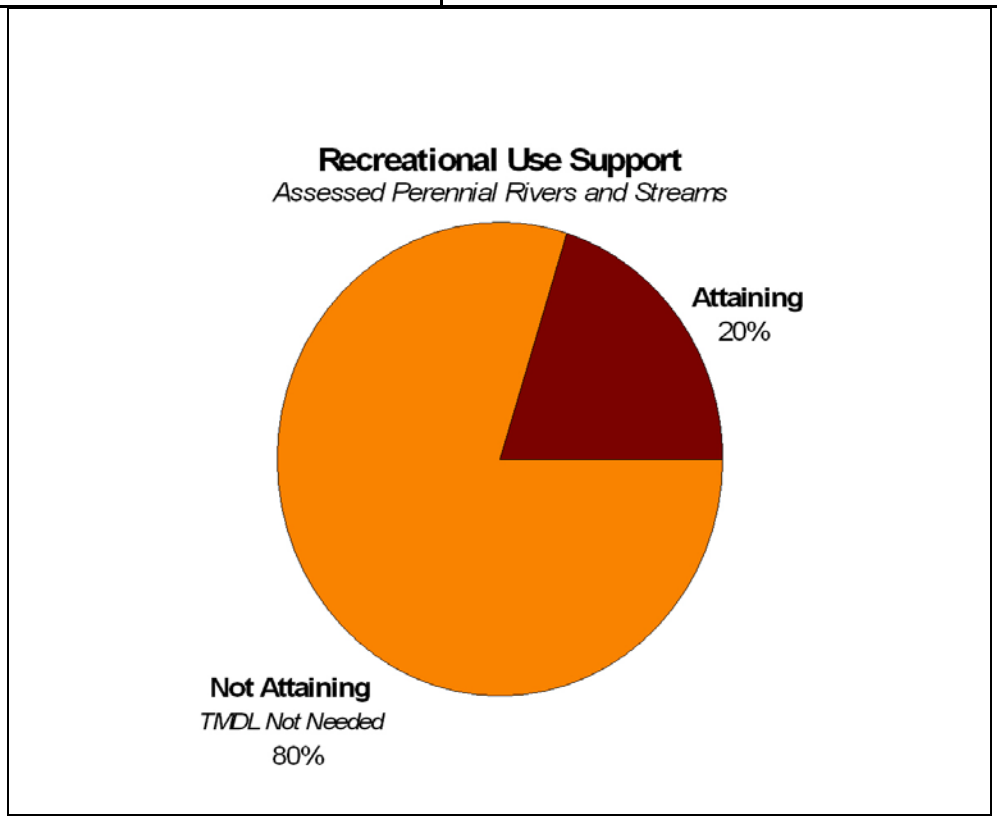

Figure 6: Recreation Use Support Summary

Designated Use Support – Estuaries and Coastal Waters

Mississippi has approximately 84 miles of coastal shoreline between the Alabama/Louisiana state boundaries and 758 square miles of coastal waters including large estuaries, smaller bays and tidal rivers, creeks, and bayous. Inland or bay type estuaries include St. Louis Bay, Back Bay of Biloxi, and Pascagoula Bay. The state's largest estuary (550 square miles) is the Mississippi Sound which extends from the southern edge of the state's contiguous land mass to the Gulf of Mexico and a chain of barrier islands (Cat, Ship, Horn, and Petit Bois Islands) located approximately 11 miles offshore. The state also classifies the Gulf of Mexico as an estuary within Mississippi waters to the state boundary located three miles south of the barrier islands.

For the 2014 §305(b) report, MDEQ was unable to assess estuaries for aquatic life use due to on-going determination of impacts associated with the 2010 MC 252 Deepwater Horizon oil spill in the Gulf of Mexico. Shellfish consumption use was not assessed for the shellfish harvesting reefs due current efforts to replenish shellfish beds damaged by Hurricane Katrina, and bed closures in response to the MC 252 Deepwater Horizon oil spill event in 2010.

Aquatic Life Use Support (ALUS) Assessment

Through the establishment of the Mississippi Coastal Assessment Program (MCA), MDEQ has continued to coordinate the sampling effort that was initiated as part of USEPA's National Coastal Assessment (NCA) monitoring. This monitoring builds upon the data generated through NCA by using the same probabilistic station selection process and collecting data at 25 sites annually. MDEQ's MCA program monitors the core ecological indicators established by the NCA program. Each year, a new set of 25 randomly selected sites are sampled from July – September by MDEQ in cooperation with the University of Southern Mississippi Gulf Coast Research Laboratory (GCRL) in the state's estuaries representing two different strata: large estuaries and small estuaries. Probabilistic site selection is provided by USEPA-Gulf Breeze. Due to the inability to determine the extent of impact caused by the 2010 MC 252 Deepwater Horizon Incident, MDEQ did not perform an assessment on the estuaries. The National Resources Damage Assessment is ongoing. The data collected in response to the oil spill will be available for assessment in a future report.

Recreation Use Support Assessment

For the 2014 §305(b) assessment, data from the MDEQ Coastal Beach Monitoring Program were used to assess recreation use support in Mississippi estuarine and coastal shoreline waters. MDEQ, in conjunction with the GCRL, conducts routine bacteria and water chemistry sampling activities at 22 beach stations located along Mississippi's Gulf Coast. The bacterial indicator used for recreation use support assessment purposes in marine and estuarine waters is enterococci. Further information on this monitoring program can be found in Part IV: Coastal Beach Monitoring Network.

Of the 42 miles of Mississippi's public beaches, 24.94 miles were assessed using the MDEQ Beach Monitoring Program data. Based on these data, 24.94 miles or 59% of the beaches in Mississippi were attaining primary contact recreation. It should be noted that this assessment represents a five-year reporting period. Beaches are routinely monitored and are safe for swimming unless a beach advisory is in effect. To learn more about Mississippi's beach advisories, see Part III of this report.

MC-252 Deepwater Horizon Event and Water Quality Monitoring

April 29, 2010, the Deepwater Horizon oil rig exploded in the Gulf of Mexico. In response to this event, MDEQ, state and federal partners began an unprecedented response and data collection exercise. Data were collected to determine baseline conditions of the Mississippi Gulf Coast prior to arrival of any oiling, determine when and if oiling had reached our jurisdictional waters and water quality monitoring continues until now to determine impact from the spill. Data are available from NOAA for review, but the full impact of the spill has not been determined at this time. Due to the continuance of data collection and interpretation, MDEQ will not make a statement on impact to the coastal waters at this time. Data collected will be reviewed for as part of the National Resource Damage Assessment, and should be available for review in a future §305(b) cycle.

Lakes: Statewide Assessment Summary

Lake Water Quality

Mississippi is covered with hundreds of publicly owned lakes, reservoirs, and ponds totaling approximately 260,000 acres. The largest lakes in Mississippi are man-made reservoirs. Grenada Reservoir, Enid Reservoir, Sardis Reservoir and Arkabutla Reservoir in the Yazoo River Basin are used for flood control. The Ross Barnett Reservoir (Pearl River Basin) is used as a source of drinking water for the City of Jackson. All of these large reservoirs support numerous other recreational activities. Pickwick Lake, in the state's northeast corner, is an impoundment of the Tennessee River and is shared with Alabama and Tennessee.

Lake Lee Washington County MS. Photo taken by Charles E. Sullivan

Use Support Determinations

For the 2014 §305(b) Water Quality Assessment report, MDEQ assessed approximately 69% of Mississippi's total 259,533 lake acres for trophic status (see discussion under Section 314 reporting). No lakes data were available for recreation use support assessment. Fish consumption use support assessment for lakes can be found in Part III of this report.

In 2009, MDEQ re-established the Ambient Lakes Monitoring Program as part of the Statewide Ambient Network. As part of the lakes monitoring, MDEQ will focuses on monitoring public lakes and reservoirs. MDEQ collects samples from approximately 20 public lakes (greater than 100 acres in size) annually. Lakes are monitored for traditional physical, chemical, and biological water quality parameters using the protocol that was developed for nutrient criteria development. A list of these lakes can be found in MDEQ's Surface Water Monitoring Plan (2012).

Section 314 Reporting-Trophic Status

Section 314 of the Clean Water Act directs each state to prepare or establish: an identification and classification according to eutrophic conditions of all publicly-owned lakes in such state; a description of procedures, processes, and methods (including land use requirements), to control sources of pollution of such lakes; a description of methods and procedures, in conjunction with appropriate federal agencies, to restore the quality of such lakes; methods and procedures to mitigate the harmful effects of high acidity; a list and description of lakes for which uses are known to be impaired and an assessment of the status and trends of water quality in lakes.

Requirements such as these have led to the development of various indices that enable researchers to classify water bodies based on the amount of biological production that is occurring within that water body (Brezonik 1984, Carlson 1977). These indices vary in approach with respect to variables and their classification index range, but they are based on the same concepts: that the trophic state of a lake is an important component in determining the productivity of a water body; that an index can be useful in determining the trophic state of a water body; and indicating whether it is suitable for fishing or swimming.

Trophic state is not synonymous with water quality. Although the terms are related, they should not be used interchangeably. Trophic state is a scale that describes the condition of a water body based on its productivity. The trophic scale is a division of variables used in the definition of trophic state and is not subject to change because of the attitude or biases of the observer (Carlson and Simpson 1996).

The most widely used index for classifying lake trophic status is Carlson's Trophic State Index (USEPA 2006). This index is based on the relationship that changes in nutrient levels cause changes in algal biomass which results in changes in lake clarity. Simply, it is a measure of a lake's trophic state from oligotrophy (very clear water, nutrient poor and with high dissolved oxygen year round) to eutrophy (more productive, more plant biomass and high nutrient level) (Carlson and Simpson 1996). Three variables are commonly used to calculate Carlson's Trophic State Index (TSI) for a lake: Secchi Depth; Chlorophyll a; and Total Phosphorus.

The TSI for each parameter is calculated according to the following formulas:

Secchi Depth:
TSI = 60- [14.41 ln Secchi depth (meters)]

Chlorophyll a:
TSI = [9.81 ln Chlorophyll a (ppb)]+ 30.6

Total Phosphorus:
TSI = [14.42 ln Total Phosphorus (ppb)] +4.15

Table 6 shows the typical ranges of TSI scores and water quality parameters associated with the three trophic states of a lake.

Table 6: Carlson's Trophic State Index (Adapted from Addy and Green 1996).

	TSI	Secchi Depth (m)	Chlorophyll a (ppb)	Total Phosphorus (ppb)
Oligotrophic	<39	>4	<2.6	<12
Mesotrophic	40-50	2-4	2.6-7.2	12-24
Eutrophic	50-110	<2	>7.2	>24

Carlson's index was developed to be used with lakes that have few rooted aquatic plants and little non-algal turbidity.

Based on these assumptions, this index is not ideally suited for the majority of Mississippi lakes. However a literature review indicated that Carlson's index is the most commonly used trophic state assessment tool in the Southeast, and it appears to be the most appropriate index currently available.

These trophic assessments are based on data collected in during the 2008-2012 reporting window. The lakes were sampled a minimum of six times, once in the spring, once in the fall and four times during the summer.

Based on these data, the Carlson Index indicated that all but two of the lakes sampled were eutrophic. Lake Hide-Away in the Pearl River Basin and Lake Mohawk in the North Independent Streams Basin are mesotrophic. The TSI based on secchi depth seems to provide the best assessment of trophic status for Mississippi lakes. This could be due to the fact that nutrients in Mississippi often enter water bodies along with soil particles from agricultural fields or other runoff. Therefore, low secchi depth may also be correlated with increased nutrients and productivity. For example, lakes may be muddy during the spring and early summer months with limited light penetration preventing significant algal growth. However, as water clears later in the summer and fall, the available nutrients can cause rapid phytoplankton growth. The trophic status for each lake is provided in Table 7.

Clay, turbidity, and pH also affect the bio-availability of phosphorus. Low pH reduces the solubility while phosphorus binds onto the clay preventing it from dissolving efficiently into the water column (Reicke 2005, Oldham 2003, Greenwood and Earnshaw 2002). Thus, TSI for phosphorus may not be an appropriate variable to measure in Mississippi for use in this index.

Oligotrophy vs. mesotrophy vs. eutrophy is not a reflection of whether a water body is "good," "fair," or "poor" as different trophic states are suitable for different activities. An oligotrophic lake may be more desirable for swimming, whereas a eutrophic lake may be more desirable for fishing (Addy and Green 1996). An oligotrophic or a eutrophic

lake has attributes of production that remain constant regardless of the use of the water or where the lake is located (Carlson and Simpson 1996). Some lakes are naturally eutrophic, because trophic state is a reflection of a lake's physical condition. Size and shape of the lake, residence time, geology, soils and size of the watershed all play a role in trophic state. Additionally, man-made reservoirs tend to become eutrophic more rapidly than natural lakes, since there is a tendency for these reservoirs to revert back to their original states, typically a stream system or marsh. Natural eutrophication occurs over thousands of years; but human activities can accelerate the process by introducing fertilizers, pesticides and sediments (Addy and Green 1996).

Table 7: Carlson's Tropic Status of Lakes

Basin	Lake	Carlson's TSI Status
Big Black River	Lake Lorman	Eutrophic
North Independent Streams	Horn Lake	Eutrophic
North Independent Streams	Lake Mohawk	Mesotrophic
Pascagoula River	Archusa Creek Water Park	Eutrophic
Pascagoula River	Flint Creek Reservoir	Eutrophic
Pascagoula River	Lake Bogue Homo	Eutrophic
Pascagoula River	Little Black Creek Reservoir	Eutrophic
Pascagoula River	Long Creek Reservoir	Eutrophic
Pascagoula River	Okatibbee Lake	Eutrophic
Pearl River	Crystal Lake	Eutrophic
Pearl River	Lake Hide-away	Mesotrophic
Pearl River	Ross Barnett Reservoir	Eutrophic
South Independent Streams	Artonish Lake	Eutrophic
South Independent Streams	Butler Lake	Eutrophic
South Independent Streams	Flathead Lake	Eutrophic
South Independent Streams	Hurricane Lake	Eutrophic
South Independent Streams	Lake Copiah	Eutrophic
South Independent Streams	Lake Mary	Eutrophic
Tennessee River	Pickwick Reservoir	Eutrophic
Tombigbee River	Bay Springs Lake	Eutrophic
Tombigbee River	Bluff Lake	Eutrophic
Tombigbee River	Columbus Lake	Eutrophic
Upper Mississippi River	Eagle Lake	Eutrophic
Upper Mississippi River	Lake Chotard	Eutrophic
Yazoo River	Arkabutla Reservoir	Eutrophic
Yazoo River	Bee Lake	Eutrophic
Yazoo River	Broad Lake	Eutrophic
Yazoo River	Chewalla Lake	Eutrophic
Yazoo River	Desoto Lake	Eutrophic
Yazoo River	Enid Reservoir	Eutrophic
Yazoo River	Flower Lake	Eutrophic
Yazoo River	Grenada Reservoir	Eutrophic
Yazoo River	Horseshoe Lake	Eutrophic
Yazoo River	Lake Beulah	Eutrophic
Yazoo River	Lake Bolivar	Eutrophic
Yazoo River	Lake George	Eutrophic
Yazoo River	Lake Lee	Eutrophic
Yazoo River	Lake Washington	Eutrophic
Yazoo River	Long Lake	Eutrophic
Yazoo River	Moon Lake	Eutrophic
Yazoo River	Roebuck Lake	Eutrophic
Yazoo River	Sardis Reservoir	Eutrophic
Yazoo River	Sixmile Lake	Eutrophic
Yazoo River	Tchula Lake	Eutrophic
Yazoo River	Toby Tubby Creek	Eutrophic

Table 7: Carlson's Tropic Status of Lakes (Continued)

Basin	Lake	Carlson's TSI Status
Yazoo River	Tunica Cutoff	Eutrophic
Yazoo River	Walnut Lake	Eutrophic
Yazoo River	Wasp Lake	Eutrophic
Yazoo River	Wolf Lake	Eutrophic

Lake Pollution Control Methods

There several state and local programs with oversight of pollution sources for lakes in Mississippi. Point sources are regulated by MDEQ through issuance and enforcement of NPDES permits ensuring that lake water quality complies with Mississippi's water quality standards. If an existing or proposed point source discharge is found to be detrimental to a lake's water quality, alternative discharge sites are investigated.

Nonpoint source pollution is the major source of pollution to Mississippi's lakes. Several lakes have been targeted for demonstration projects in the Nonpoint Source (NPS) Program. Mississippi's NPS Program has identified control measures to address nonpoint source problems and is working with the agencies and groups which will implement the measures.

Local units of government can play an important role in protecting lakes. Counties or municipalities may adopt land use ordinances or regulations that can be more effective than statewide programs in protecting lakes.

MDEQ's Wetlands Program also plays a role in protecting lakes. Wetlands serve as valuable fish and wildlife habitat, and as effective natural filters of pollutants entering streams and lakes. MDEQ strives to minimize wetlands losses around lakes. In addition, the creation or restoration of wetland acres is a measure to control NPS pollution entering lake

PART III

PUBLIC HEALTH CONCERNS AND ADVISORIES

Public Health Concerns and Advisories

Introduction

Toxic pollutants and pathogenic organisms in our environment are a widespread and growing public concern. As MDEQ turns its attention more toward risk assessment and public health, levels of toxic pollutants and pathogens in water, sediment and fish tissue become increasingly important.

Monitoring for toxins and bacteriological indicators of pathogens in surface waters is accomplished through several data collection activities by MDEQ as well as other state and federal agencies. MDEQ monitoring activities for toxicants and bacteria include water column, sediment, and/or fish tissue sampling from: ambient fixed station network program monitoring, emergency response to pollutant spills or discharges, hazardous waste program investigations, and special monitoring studies for pollutants of state, regional, or national environmental concern (e.g., mercury, dioxin).

Results from these monitoring activities may lead MDEQ and/or other partnering state agencies to issue public health advisories or restrictions on the use of affected water bodies when unsafe levels of pollutants are detected. In some cases, a "blanket" public health advisory may be issued as a general precaution for areas where the pollutant(s) may impact a broad area, is pervasive, and/or the pollutant source is not readily controllable (i.e., atmospheric deposition of mercury). Monitoring of the affected geographic area is continued and expanded as necessary to ensure the public health advisory is maintained as long as warranted.

Fish Tissue Contamination

Most of the water bodies in Mississippi with elevated levels of toxicants have some form of the toxicant present in fish tissue. In addition, with one of the CWA goals being to maintain fishable waters and ensure attainment of fish consumption use, fish tissue monitoring and assessment are of primary importance in water quality management activities. Major fish toxicant issues currently under investigation by MDEQ include continued concern over pesticides in the Yazoo River Basin (Delta region) and mercury contamination in several areas of the state. To address these issues, as well as to monitor general status and trends in fish tissue contaminants, MDEQ maintains a comprehensive fish tissue monitoring program.

The Ambient Monitoring Network includes fish tissue sampling annually at a minimum of 25 stations across the state. These sites are rotated among the different water body types. Additional tissue sampling for fish kill investigations, monitoring of fish advisory areas, and for special studies is also conducted. The fish consumption advisories and commercial fishing bans presently in effect are listed in Table 8 and shown in Figure 7.

Table 8: Fish Tissue Advisories in Mississippi

MISSISSIPPI'S FISH TISSUE ADVISORIES AND COMMERCIAL FISHING BANS July 2011			
WATERBODY	**CHEMICAL**	**DATE ISSUED**	**ACTION**
Little Conehoma Creek and Yockanookany River in Attala and Leake Counties. From Hwy 35 near Kosciusko, downstream to Hwy 429 near Thomastown	PCB's	June 1987	Consumption Advisory All Species Commercial Fishing Ban
Lake Susie, Oxbow Lake of Old Tallahatchie River in Panola County west of Batesville.	PCB's	Nov. 1989	Same as above
Escatawpa River from the Alabama state line to I-10.	Mercury	May 1995	Limit Consumption Advisory for largemouth bass and large catfish (>27 in.)*
Bogue Chitto River, entire length in MS.	Mercury	May 1995	Same as above
Yockanookany River, entire length.	Mercury	May 1995	Same as above
Pearl River from Hwy 25 near Carthage, downstream to the Leake County Water Park.	Mercury	June 2001	Same as above
Enid Reservoir	Mercury	May 1995	Same as above
Yocona River from Enid Reservoir downstream to the confluence with the Tallahatchie River.	Mercury	Sept. 1996	Same as above
Pascagoula River, entire length.	Mercury	Sept. 1996	Same as above
Archusa Creek Water Park	Mercury	Sept. 1996	Same as above
Grenada Lake and Yalobusha River from the dam downstream to Holcomb.	Mercury	June 2001	Same as above
Mississippi Delta - all waters from the mainline Mississippi River Levee on the West to the Bluff hills on the East except where removed below.**	DDT, Toxaphene	June 2001	Limit Consumption Advisory for carp, buffalo, gar, and large catfish (>22 in.)****
Gulf of Mexico	Mercury	May 1998	King Mackerel <33" - no limit, 33-39" limit consumption***, >39" - do not eat

* The Mississippi State Health Department recommends that people limit the amount of bass and large catfish that they eat from these areas, because of high levels of mercury in the fish. Children under seven and women of child bearing age should eat no more than one meal of these fish every two months. Other adults should eat no more than one meal of these fish every two weeks.

** Steele BayouBlack Bayou Bee Lake Recon Lake Lake Charlie Capps

*** The Mississippi State Health Department recommends that people limit the amount of 33-39" King Mackerel they eat from the Mississippi Gulf Coast. Children under seven and women of child bearing age should eat no more than one meal of these fish every two months. Other adults should eat no more than one meal of these fish every two weeks.

****The Mississippi State Health Department recommends that people limit amount of carp buffalo, gar and large catfish from these areas, because of high levels of DDT and Toxaphene in the fish. Adults should eat no more than 2 meals per month.

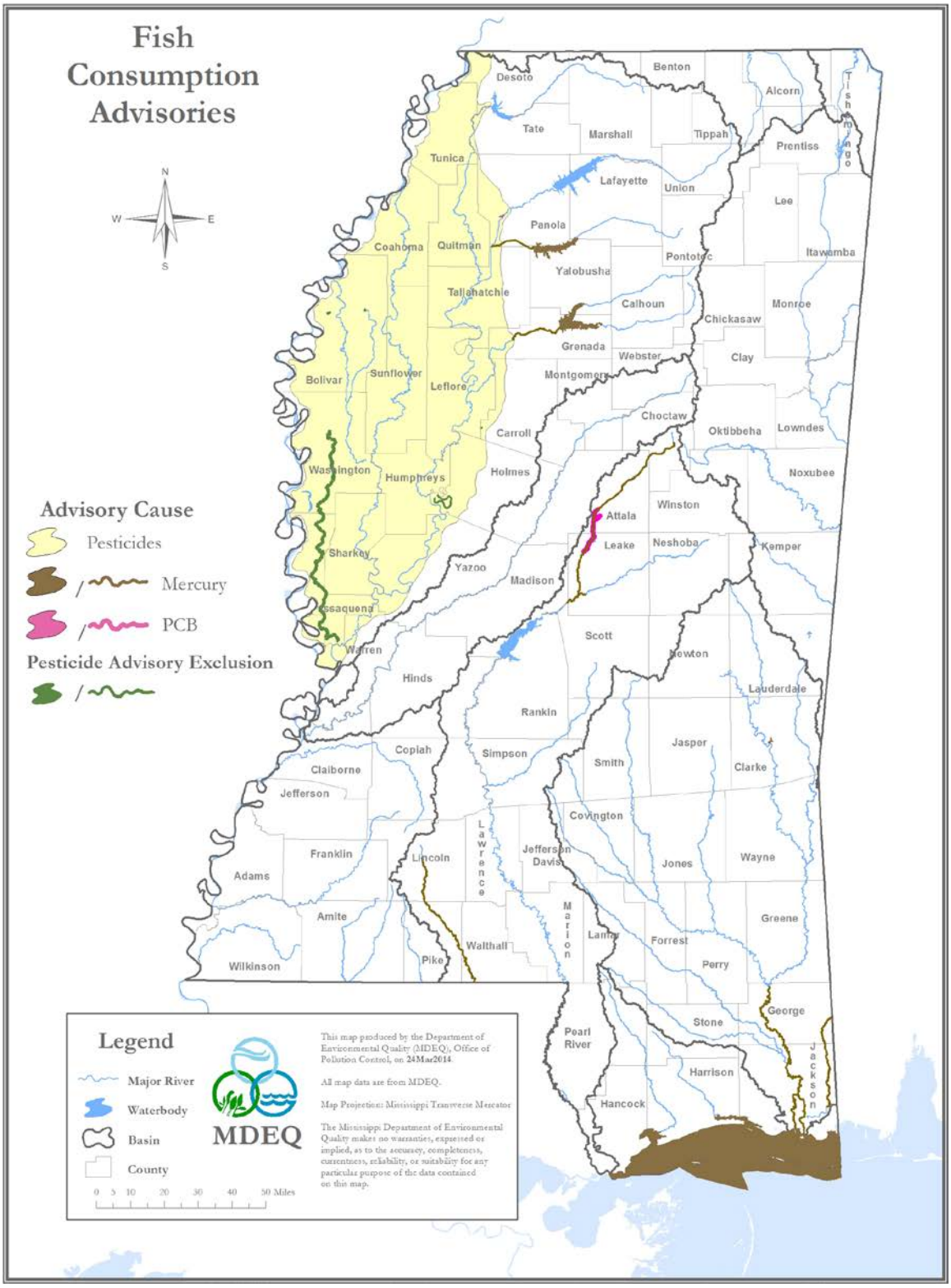

Figure 7: Map of Fish Advisories in Mississippi

Mercury Contamination in Fish Tissue

The presence of mercury in fish tissue continues to be an issue of concern to MDEQ. The agency continues to commit resources to determining the status of mercury contamination in Mississippi's waters. Mississippi currently has 14 water bodies under fish consumption advisories for mercury including the Gulf of Mexico. The advisories are for the larger predator species such as largemouth bass and large catfish in freshwater systems and king mackerel in the Gulf.

Current monitoring efforts are targeting additional species of different trophic levels within existing advisory areas. This includes species such as bluegill, crappie, buffalo and smaller catfish. Additional marine species are also being sampled.

The information gained from additional species is important because historical monitoring efforts have focused on the predator species which were known to have the highest concentrations. However, new health effects studies indicate that mercury may be harmful at lower levels than previously believed, so additional data on species with lower mercury concentrations are now critical. Additional data on marine species are important for the same reasons. Most of the existing data are for king mackerel.

Several other efforts are underway in Mississippi to address the issue of mercury in fish. The Pat Harrison Waterway District is liming Archusa Creek Reservoir in an effort to improve the water quality for fish production and to evaluate its effectiveness in reducing mercury levels. MDEQ FSD is analyzing fish and sediment samples in support of the project. Also mercury TMDLs for the Escatawpa and Bogue Chitto Rivers and for Enid Reservoir and the Yocona River have been completed.

DDT Contamination in the Delta

DDT contamination in the Mississippi Delta has been a concern ever since the harmful effects of pesticide contamination first became a national issue. DDT was banned for use in Mississippi in 1972; and, although DDT concentrations in fish tissue have decreased ten-fold since that time, levels remain among the highest in the nation.

The Mississippi Fish Advisory Task Force was convened in 2000 to address the protection of those who routinely consume fish from the Delta. The task force consisted of scientists, engineers, and medical doctors from MDEQ, Mississippi Department of Health, Mississippi Department of Agriculture and Commerce, Mississippi Department of Wildlife, Fisheries and Parks, and Mississippi Department of Marine Resources. This group is charged with developing criteria for issuing fish consumption advisories for Mississippi. With input from a Technical Advisory Group made up of experts outside of state government in the fields of toxicology and aquatic biology, the Task Force developed new risk based criteria for DDT, toxaphene and PCB’s. A complete report on the process is provided in the document Fish Advisory Criteria For Organochlorine Compounds (Mississippi Fish Advisory Task Force, 2001).

Concurrent with this criteria development, MDEQ began collecting new fish tissue data from the Delta. MDEQ collected fish tissue samples from ten sites located on four lakes and five rivers or bayous in the Mississippi Delta Region of Mississippi. The data from the 2000 study were evaluated along with existing fish tissue data from MDEQ's 1999 Ambient Monitoring Program to determine the need for advisories in the Delta. The data indicated that all ten sites and all nine water bodies sampled in the study warranted some type of advisory. Based on this information, the task force recommended a regional advisory for the Delta (Figure **8**), rather than a patchwork of discrete advisories for each of the ten sites. The data from this study support previous data collected by MDEQ and other agencies, which indicate that these pesticide concentrations were common for this part of the state.

On June 26, 2001, MDEQ issued an advisory for the Delta region of Mississippi. This advisory recommended that people limit the amount of carp, buffalo, gar, and large catfish (catfish larger than 22") they eat to no more than two meals per month. This advisory applies to the entire Delta from Memphis to Vicksburg, from the Mississippi River Levee on the west to the bluff hills on the east. The advisory includes all natural waters including lakes, rivers, bayous and sloughs.

In addition, for Roebuck Lake in Leflore County, the advisory recommends that people do not eat buffalo from this water body. In August 2001, MDWFP issued a commercial fishing ban for Roebuck Lake.

The Delta advisory, which is still in effect today, does not apply to the Mississippi River or the river-connected oxbow lakes located west of the Mississippi River Levee. These lakes rise and fall each year with the Mississippi River and are flushed out regularly. Perhaps more importantly, the periodic flooding of these areas has made them less desirable for row cropping and therefore there has been less historical application of these now banned pesticides. The advisory also does not apply to bass, bream, crappie, freshwater drum and smaller catfish (catfish < 22" in length), nor does it apply to farm raised catfish. A complete report on this study is available in the document Mississippi Delta Fish Tissue Study 2000, Final Report (MDEQ 2001).

In July of 2011, the Fish Tissue Task Force modified the Delta Fish Tissue Advisory. The following waterbodies were removed from the Delta Fish Advisory.

Steele Bayou (Issequena, Sharkey, Warren and Washington Counties)
Black Bayou (Washington County)
Bee Lake (Holmes County)
Recon Lake (or Rainey's Lake- Bolivar County)
Lake Charlie Capps (Bolivar County)

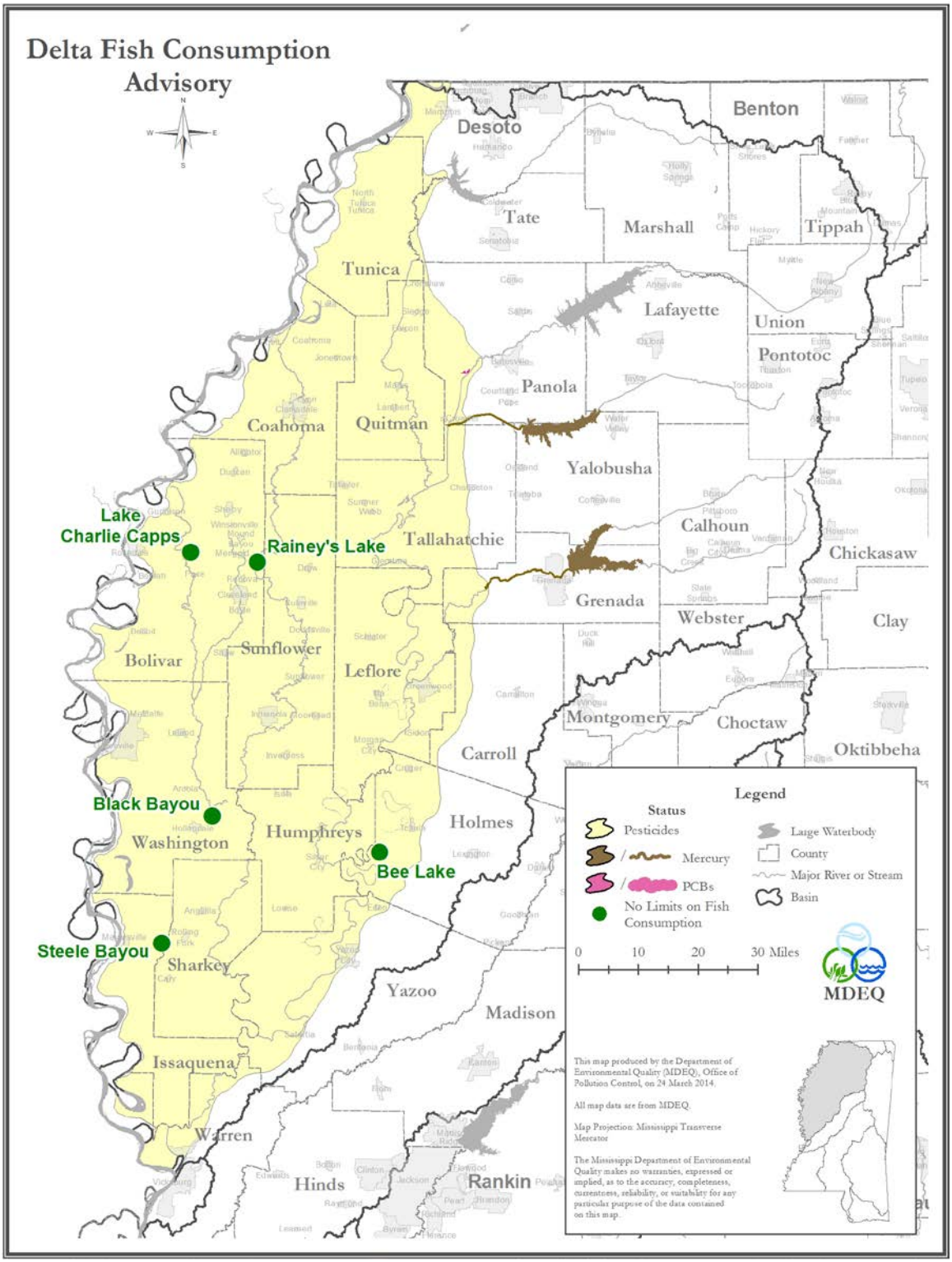

Figure 8: Advisory Area for Delta Region of Mississippi

Other Toxicants in Fish Tissue

In addition to the pesticides, mercury and ambient monitoring described above, MDEQ investigated several additional water bodies for contaminants in fish. The two primary chemicals of concern have been PCBs and dioxin. Dioxin concentrations in Mississippi fish have declined markedly over the last decade, primarily as a result of changes in the bleaching process in the paper industry. The dioxin advisory on the Leaf River, which originated in 1989, was removed in 1995. Dioxin concentrations in the Escatawpa River declined as well, and the Limit Consumption Advisory for fish was removed in 1996. MDEQ continues to monitor fish from the Leaf River near New Augusta and the Tenn-Tom Waterway near Columbus to confirm that these concentrations remain low. In addition, in 2001, MDEQ removed the fish advisory on Country Club Lake near Hattiesburg, originally issued in 1990, after multiple samplings showed dioxin levels declined in that water body.

PCBs continue to be a concern in industrial areas and around natural gas compressor stations. MDEQ continues to sample fish in the vicinity of existing advisories on the Yockanookany River in Attala County and Lake Susie in Panola County, and these advisories remain in effect.

Fish Kills

From January 2008 through December 2012, the MDEQ investigated 54 fish kills (9). Thirty percent of these were associated with low dissolved oxygen levels and other natural causes (10). Twenty-four percent were those related to nutrient overloads, sewage spills or un-permitted discharges. In 18% percent of the investigations the cause could not be determined.

The leading cause of kills was attributed to natural causes such as low dissolved oxygen, in those cases the cause was listed as “low D.O./natural”. In some of the fish kills investigated the fish had deteriorated to the point that the cause was difficult or impossible to discern. When the cause could not be determined the kill was categorized as “unknown”. Following Hurricane Gustav in 2008 there were numerous fish kills. These fish kills were concentrated in the Pascagoula River Basin and Mississippi Delta respectively. The most probable cause was oxygen depletion due to thermal turnover caused by heavy rainfall combined with increased biochemical oxygen demand (BOD) from allocthonous material (i.e., leaves, limbs, or crop residue) washed or blown into the stream.

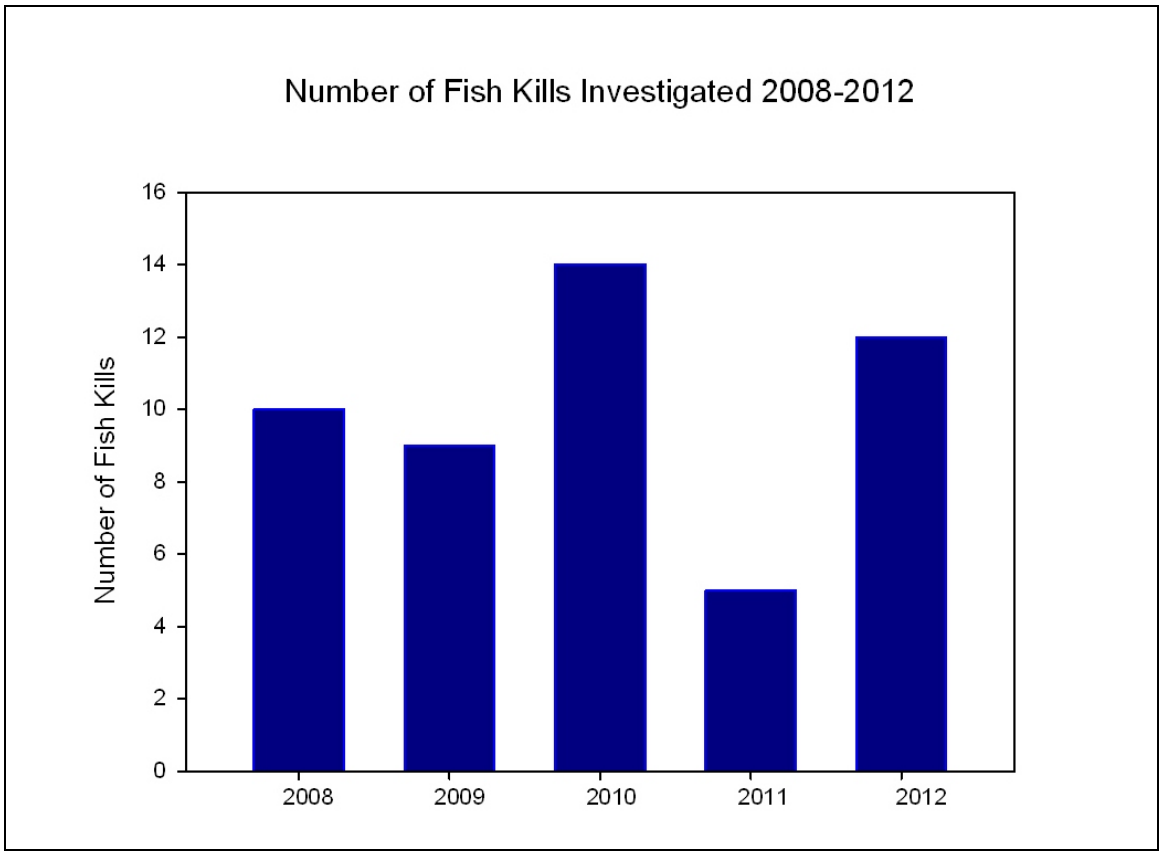

Figure 9: Annual Number of Fish Kills Investigated from 2008-2012

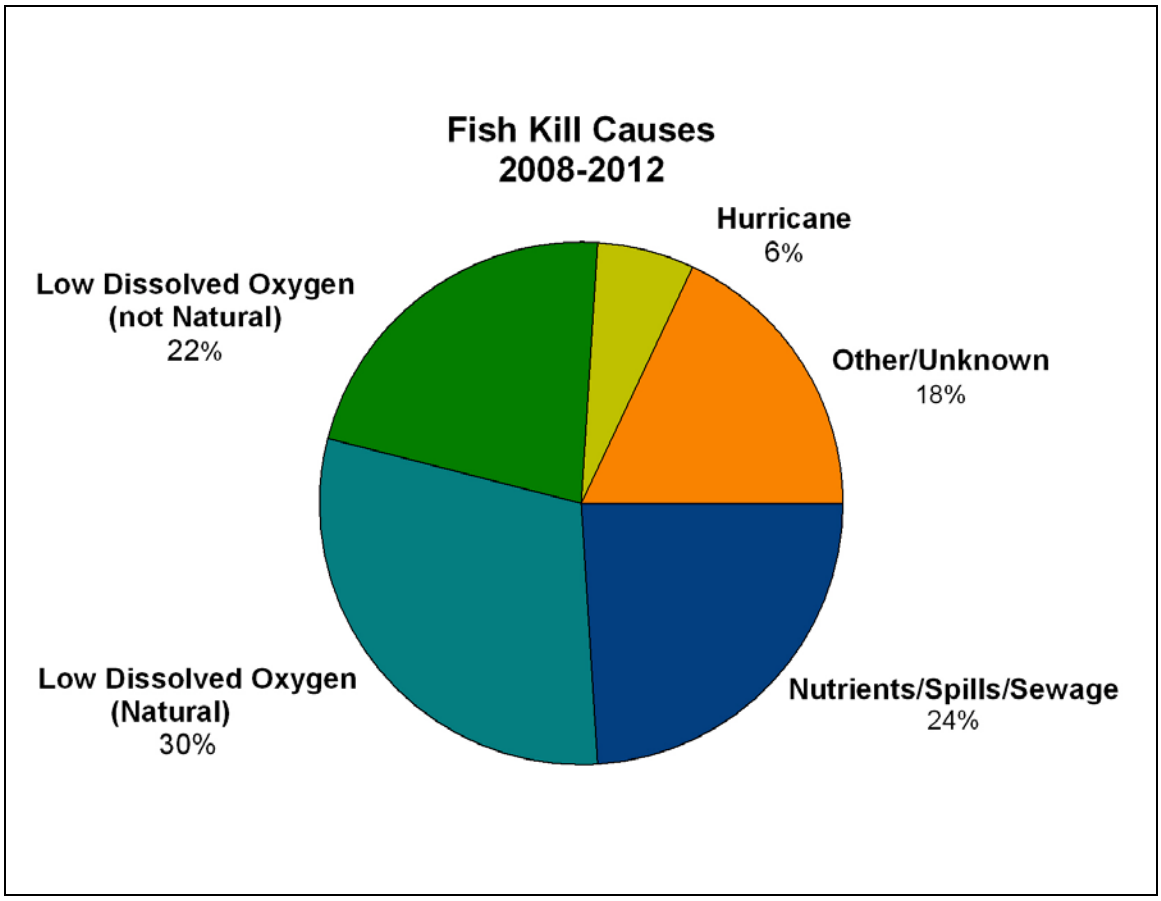

Figure 10: Distribution of Fish Kill Causes from 2008-2012

Shellfish Restrictions

The National Shellfish Sanitation Program (NSSP), administered by MDMR, opens and closes shellfish harvesting areas according to a classification system for the coastal waters of Mississippi. For current status of the classifications and maps of these waters, visit the MDMR web site (www.dmr.state.ms.us).

Most of the major shellfish harvesting areas in Mississippi waters are routinely classified as either "conditionally approved" or "restricted". The restrictions are due primarily to the effects of nonpoint source pollution from urban runoff and unsewered communities. Studies by MDMR of fecal coliform data, the indicator utilized by the NSSP, have historically shown wide fluctuations in fecal counts (MPN) due to rainfall and/or high river stages. This continues despite significant improvements in wastewater treatment and collection systems in the coastal area. These fluctuations are likely a result of private septic systems and other nonpoint pollution sources located in watersheds that drain into these waters. When coliform levels exceed water quality standards, oyster harvesting is halted by MDMR until approved conditions are met.

For some coastal waters, the restriction or prohibition classification is based solely on geographic location (i.e., proximity to a shoreline or NPDES-permitted wastewater

discharge points where human contamination of shellfish beds is more likely) regardless of the fecal coliform levels measured. Due to this "semi-permanent" condition unrelated to actual water quality data, according to the MDEQ CALM (MDEQ 2014), these water bodies will not be assessed. For the 37 sq. miles of shellfish harvesting areas, TMDLs have already been developed for 28 sq. miles that were assessed as not attaining the shellfish harvesting use in 2004. These estuarine water bodies are periodically impacted by urban nonpoint source runoff and failing septic tanks.

Because of hurricane damage sustained in 2005, all shellfish beds were closed for 2006. They remained closed until 2010. In 2010, shellfish beds were closed in response to potential oiling from the MC-252 Deepwater Horizon incident. The Shellfish Harvesting Use was not assessed for this report due to the shellfish bed replenishment underway after the destruction of beds from Hurricane Katrina, as well as closures in response to the oil spill. Shellfish harvesting beds were reopened for some limited harvesting in 2012.

Beach Advisories

Sampling for enterococci bacteria and chemical water quality parameters occurs weekly to monthly along the entire length of Mississippi's Gulf Coast public beaches at a total of 22 stations. Results from the sampling and information on the program are readily available to the public on a web site developed for the program. The web site is accessible through MDEQ's web site (www.deq.state.ms.us) or by accessing the USM web site (www.usm.edu/gcrl/msbeach/index.cgi).

In 2000, USEPA amended the Clean Water Act through the BEACH (Beaches Environmental Assessment and Coastal Health) Act to require all states to add more stringent sampling and public notification requirements to their water quality programs. MDEQ's Beach Program already met the federal requirements with the exception of the formal adoption of enterococci bacteria as the new bacterial indicator in the state's water quality standards (WQS). MDEQ implemented the new enterococci criteria during 2005. The new enterococci criteria were adopted into the Mississippi WQS in 2007.

For the period 2008 – 2014, the Mississippi Beach Monitoring Task Force issued 169 advisories or closures resulting from high bacteria levels. The cause of most of these advisories was urban runoff following storm events; however, seven were caused by sewer leaks, spills or breaks.

PART IV

SURFACE WATER MONITORING AND ASSESSMENT PROGRAM SUMMARY

Basin Management Approach

Mississippi's plan for achieving comprehensive, statewide assessment of its surface waters involves coordination of various levels of MDEQ surface water monitoring activities and data sharing with other monitoring agencies using the agency's Basin Management Approach. Mississippi's Basin Management Approach is a process to conduct comprehensive water quality planning and to foster implementation of practices that will result in water quality protection on a basinwide scale. This approach recognizes the interdependence of water quality on the many related activities that occur in a drainage basin. Some of these activities include monitoring, assessment, problem identification, problem prioritization, planning, permitting, water use, and land use. These activities are integrated by basin and result in watershed management plans and implementation strategies that serve to focus water quality protection efforts.

The purpose of Mississippi's Basin Management Approach is to restore and protect the quality of Mississippi's water resources by developing and implementing effective management strategies that address water quality issues while fostering sound economic growth. The majority of water quality management activities in Mississippi are now based on a repeating multi-year management cycle.

MDEQ initiated a rotating basin cycle to manage its water programs on a basinwide scale. These basins serve as the hydrological boundaries that guide MDEQ's water quality activities. The waters of Mississippi are divided into nine major drainage areas or basins. These nine basins are the Big Black River Basin, Coastal Streams Basin, North Independent Streams Basin, Mississippi River Basin, Pascagoula River Basin, Pearl River Basin, South Independent Streams Basin, Tennessee River Basin, Tombigbee River Basin and Yazoo River Basin. The boundaries for each basin are shown in Figure 11.

Through this approach, Mississippi's ten drainage basins have been placed into four basin groups, allowing all of the basins to receive equal focus. Each of these basin groups is configured to represent approximately one-fourth of the state. Figure 12 depicts the four basin groups. The Basin Management Approach strategy is supported by various water quality monitoring activities that take place as part of the program support monitoring conducted by MDEQ and other resource partners that augments the statewide ambient monitoring network with supplemental monitoring sites in the large drainage basins. One objective of program support monitoring is to increase the total coverage of waters monitored in Mississippi and fill data gaps identified in the planning phase of the basin cycle. Concentrating monitoring and assessment resources in specific drainage basins maximizes sampling efficiency to achieve this objective and enhances collaboration among participating resource agencies.

Supplemental watershed monitoring takes place during the data gathering phase of the basin management cycle and during pre and post-implementation monitoring associated with §319 Nonpoint Source funded watershed implementation projects. These monitoring efforts involve sampling of multiple parameters (water chemistry, bacteria, algae, fish, benthic macroinvertebrates and/or sediment) needed to address watershed data collection needs.

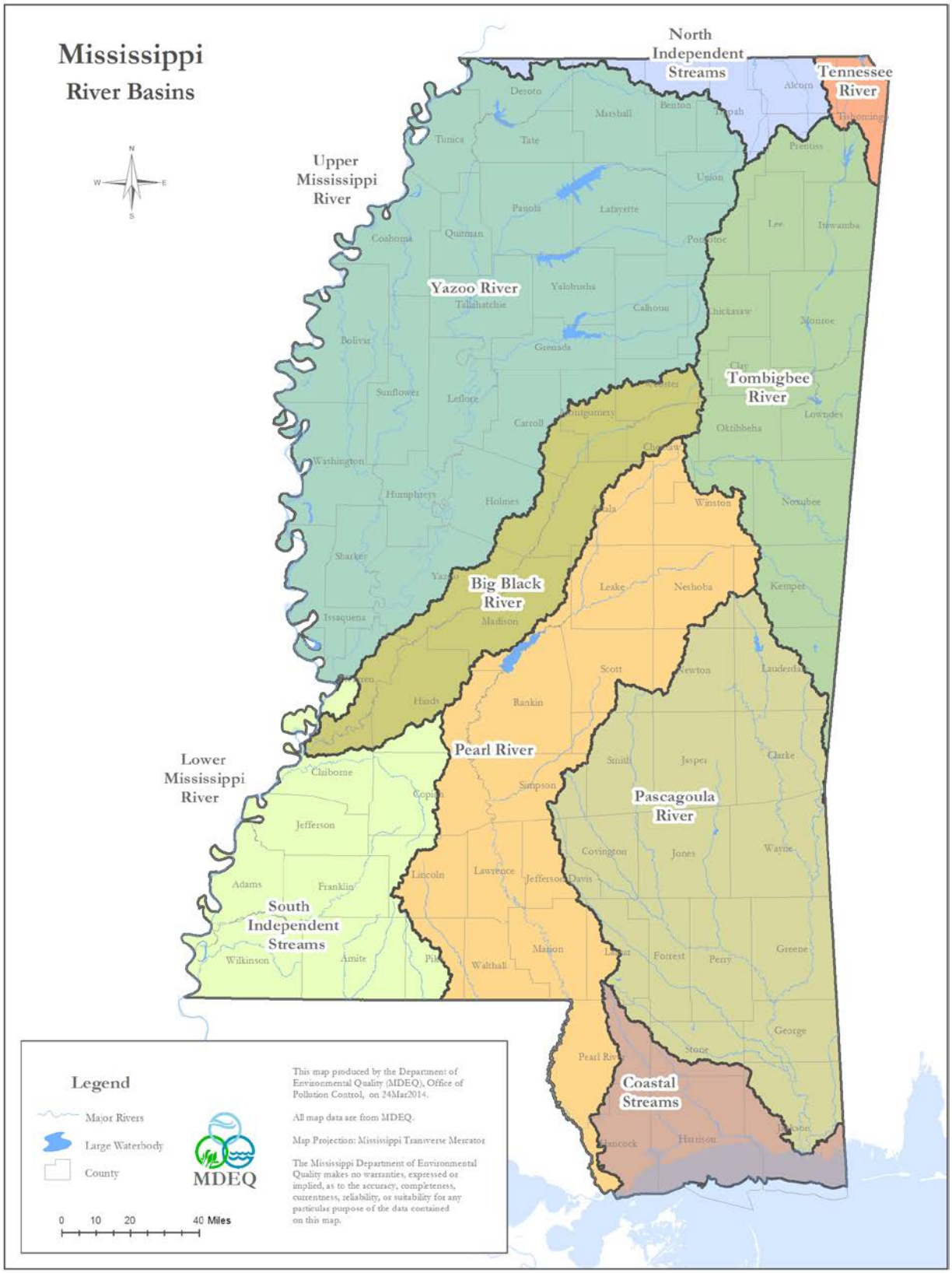

Figure 11: Mississippi's Nine Major Drainage Basins

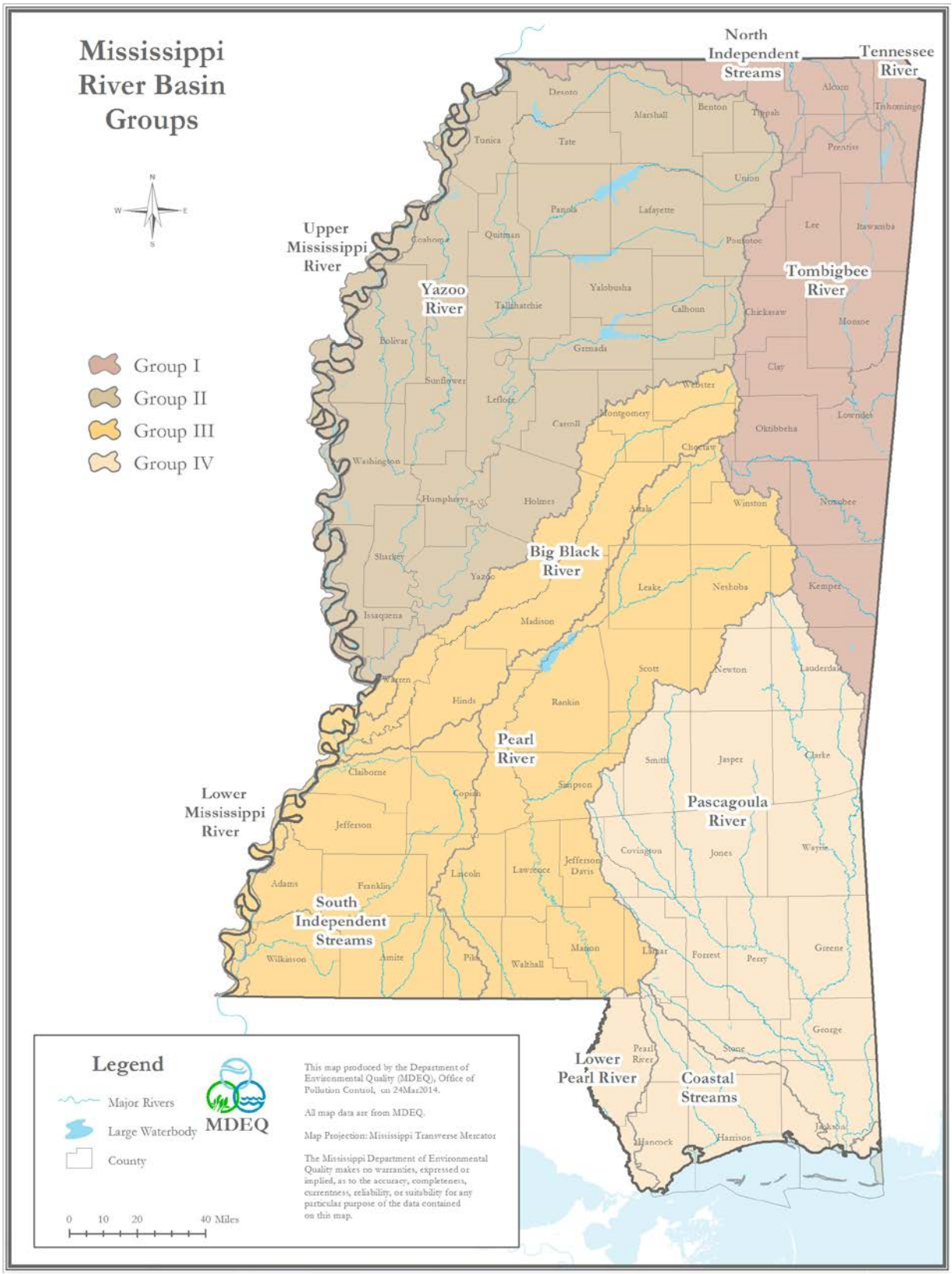

Figure 12: Mississippi's Basin Groups

MDEQ Surface Water Monitoring Program

Introduction

Surface water monitoring activities provide the foundation for assessment of the water quality condition in the Mississippi's waters. Without monitoring data and information, the state's water quality management and regulatory programs cannot accurately and effectively report on the status of the state's water resources, identify and solve problems, characterize water pollution causes and effects, and/or evaluate the overall effectiveness of state management regulatory actions.

MDEQ's Office of Pollution Control (OPC) is the state agency responsible for the conservation of the quality of the natural resources of Mississippi and has primary responsibility for providing an effective statewide surface water monitoring and assessment program. This responsibility, coupled with legislative mandates set forth by the Mississippi Air and Water Pollution Control Law (Sections 49-17-1 to 49-17-43) and the Federal Clean Water Act (Sections 106, 204, 303, 305, and 314), serves as the main purpose for development and implementation of the Surface Water Monitoring Program (SWMP). Other state and federal government agencies and public/private groups are also involved in monitoring surface water quality. These other monitoring organizations include the United States Geological Survey (USGS), United States Army Corps of Engineers (USACE), Tennessee Valley Authority (TVA), United States Environmental Protection Agency (USEPA), National Oceanic and Atmospheric Administration (NOAA), Mississippi Department of Marine Resources (MDMR), Mississippi Band of Choctaw Indians, University of Southern Mississippi Gulf Coast Research Laboratory (GCRL), United States Department of Agriculture (USDA) National Sedimentation Laboratory, USDA Forest Service, USDA Natural Resource and Conservation Service, United States Fish and Wildlife Service (USFWS), Mississippi Department of Wildlife, Fisheries, and Parks (MDWFP), as well as other federal, state and local agencies, research institutions, universities, and private groups. MDEQ actively solicits their contribution of information to the evaluation and assessment of Mississippi waters. This is accomplished through the use of the agency's Basin Management Approach in which the various state, federal, and private representatives partner with MDEQ in this water management planning process.

Surface Water Monitoring Strategy

In order to successfully develop, implement and maintain a surface water monitoring program, a strategy is necessary to steer and guide the broad range of multi-faceted monitoring activities carried out in support of program objectives. MDEQ's SWMP strategy, *State of Mississippi Surface Water Monitoring Program Strategy for Fiscal Years 2012-2014* (MDEQ 2011) can be provided upon request.

MDEQ's main reporting avenue for SWMP data is through the §305(b) Water Quality Assessment Report. In addition to the §305(b) Report, MDEQ provides a list of all impaired water bodies without TMDLs required under §303(d) of the CWA. Upon being reported on the §303(d) list, a Total Maximum Daily Load (TMDL) is developed for the cause(s), and strategies for restoring the water body back to attaining its designated use(s) are developed. When the TMDL has been completed or monitoring data show that the water body is no longer impaired, the water body is taken off the §303(d) list. The State's 2014 §303(d) List is also available from the MDEQ web site (www.deq.state.ms.us).

MDEQ also reports on SWMP activities and water quality issues through various other EPA-required reports. These include annual reporting of summary activities and individual projects for various EPA CWA grants, (i.e., §104(b), §106(e), §205(j), §319, §406(b)), and surface water programs (i.e., WQS, TMDL, NPDES, Basin Approach, Beach Monitoring). Reporting formats are presented in project/program-specific technical reports, brochures, posters, oral presentation, newspaper articles and MDEQ Internet access. In addition, data generated are uploaded to national databases (i.e., EPA STORET/WQX) for the purpose of stakeholder outreach, education, public information, and to meet other federal grant and/or state legislative requirements. Additionally, MDEQ responds to individual requests from phone, web, or personal inquiries for water quality data and information.

Mississippi's Plan for Nutrient Criteria Development was submitted to EPA Region IV in February 2004, revised in July 2007 and revised again in July 2010. The purpose of this plan was to provide EPA with a better understanding of Mississippi's approach to numeric nutrient criteria development. The focus of this strategy will be to develop nutrient criteria based primarily on the linkage between nutrient concentrations and the impairment of designated uses. Conceptually, three forms of nutrient criteria are defined and include: 1) causal and/or response variables expressed as numerical concentrations and/or mass quantities or loadings; 2) causal and/or response variables expressed as narrative statements with a translator mechanism to derive or calculate numerical concentrations and/or mass quantities or loadings; and 3) causal and/or response variables expressed as narrative statements only. The causative variables may include phosphorus and/or nitrogen and response variables may include chlorophyll *a* and turbidity. While Mississippi may derive criteria based upon a reference condition approach, this approach has limitations in that it does not provide a definite link between nutrient concentrations and impairment. An effects-based approach may be more appropriate since derived values are neither under/over-protective. Cause/effect relationships between nutrients and impairments will be the primary approach with the reference-based approach utilized as a "fallback". This will be done for 1) lakes/reservoirs, 2) wadeable streams, 3) non-wadeable streams, 4) coasts/estuaries, and 5) delta waters. Currently, MDEQ continues with sample collection in support of an effects-based approach to nutrient criteria development. Some preliminary data analyses have been performed on the current data available. Recent data and information collected will be incorporated into upcoming analyses to determine appropriate and protective numeric nutrient criteria for Mississippi's waters.

Description of MDEQ Sampling Networks

Monitoring information from multiple programs is needed to fully achieve a comprehensive understanding of water quality in Mississippi's surface waters. Routine ambient, program support, and special project monitoring activities administered by MDEQ contribute information for the evaluation and assessment of water quality in Mississippi. While all of these monitoring efforts contribute information for use in the §305(b) Water Quality Assessment Report, the ambient monitoring networks serve as the foundation for the statewide water quality assessment process.

Status & Trends Ambient Monitoring Networks

In Mississippi, ambient monitoring is designed to characterize and assess statewide water quality status and trends in the state's streams, lakes, estuaries and coastal waters for general reporting in the §305(b) Water Quality Assessment report. Subsequently, waters identified as impaired are placed on the state's §303(d) list. Ambient monitoring also supports the design and implementation of MDEQ's surface water management programs including NPDES, non-point source, water quality standards, TMDL development, basin initiatives and water quality planning/management. This type of monitoring is also used by MDEQ to evaluate program effectiveness and to address economic development interests and concerns.

Ambient Monitoring Network stations are distributed throughout the northern, central, and southern regions of the state in streams, rivers, bayous and estuaries. These stations are located to establish baseline conditions and in streams below critical discharges to establish long-term trends and/or observe improvements where pollution control measures are implemented. Streams representing a composite of a large watershed allow broad evaluations of overall abatement programs and waters of general concern (i.e., major streams entering or leaving the state and near-coastal waters).

To be included in Ambient Monitoring Networks, each station not only must meet the monitoring objectives of the program but also must meet specific selection criteria for station locations. The specific criteria utilized for the location and establishment of ambient stations are: major perennial stream, major lake or estuary; at or close to a hydrological recording station (required for most physical/chemical stations); strategic watershed location (lower end of watershed, confluence of major streams, mouth of major tributary, maximum spatial coverage, etc.); high recreational activity or designated use; interstate waters; waters of some ecological, public health or economic significance (below major pollution sources, fish advisory area, ecoregional reference site, high quality waters, endangered/threatened species, high economic interest, etc.); and other logistical and administrative criteria (safety, accessibility, multi-agency coordination, historical data record).

Ambient Bridge Network

The Ambient Bridge Network design is conventional (i.e., targeted). Each station is required to meet the monitoring objectives and selection criteria for station locations. The network of statewide stations was established for systematic water quality sampling at regular intervals and for uniform parametric coverage to monitor water quality status and trends over a long-term period. Sampling is carried out by MDEQ FSD scientists from each of three regional offices (northern, central, and southern regions). Each office is responsible for the stations in its region and there are currently 10 stations per region for a total of 30 stations statewide. Laboratory analyses for the samples are carried out by MDEQ's laboratory located in Pearl, Mississippi. Several stations in the sampling network are historical stations that have monitoring dating back to the 1970's. Figure 13 shows the locations of the bridge stations.

Ambient Fish Tissue Monitoring Networks

Ambient Fish Tissue Monitoring Network consists of sampling at a minimum of 25 stations annually across the state. These stations are rotated through the different water body types. Fish tissue sampling for fish kill investigations, monitoring of fish advisory areas, and special studies requires more resources and results in more intensive monitoring than ambient fixed station network sampling. Fish samples are normally collected from early spring through fall depending on ambient conditions. Target species include one predator or carnivore such as flathead catfish or largemouth bass, and one bottom feeder or omnivorous species such as channel catfish or smallmouth buffalo. Ideally, fillet composite samples consisting of five individuals are analyzed where all fish in the composite are at least 75% of the weight of the largest fish in the composite. The MDEQ laboratory has the capability to analyze fish tissue samples for approximately 36 organic compounds, PCBs, PCP and 7 heavy metals.

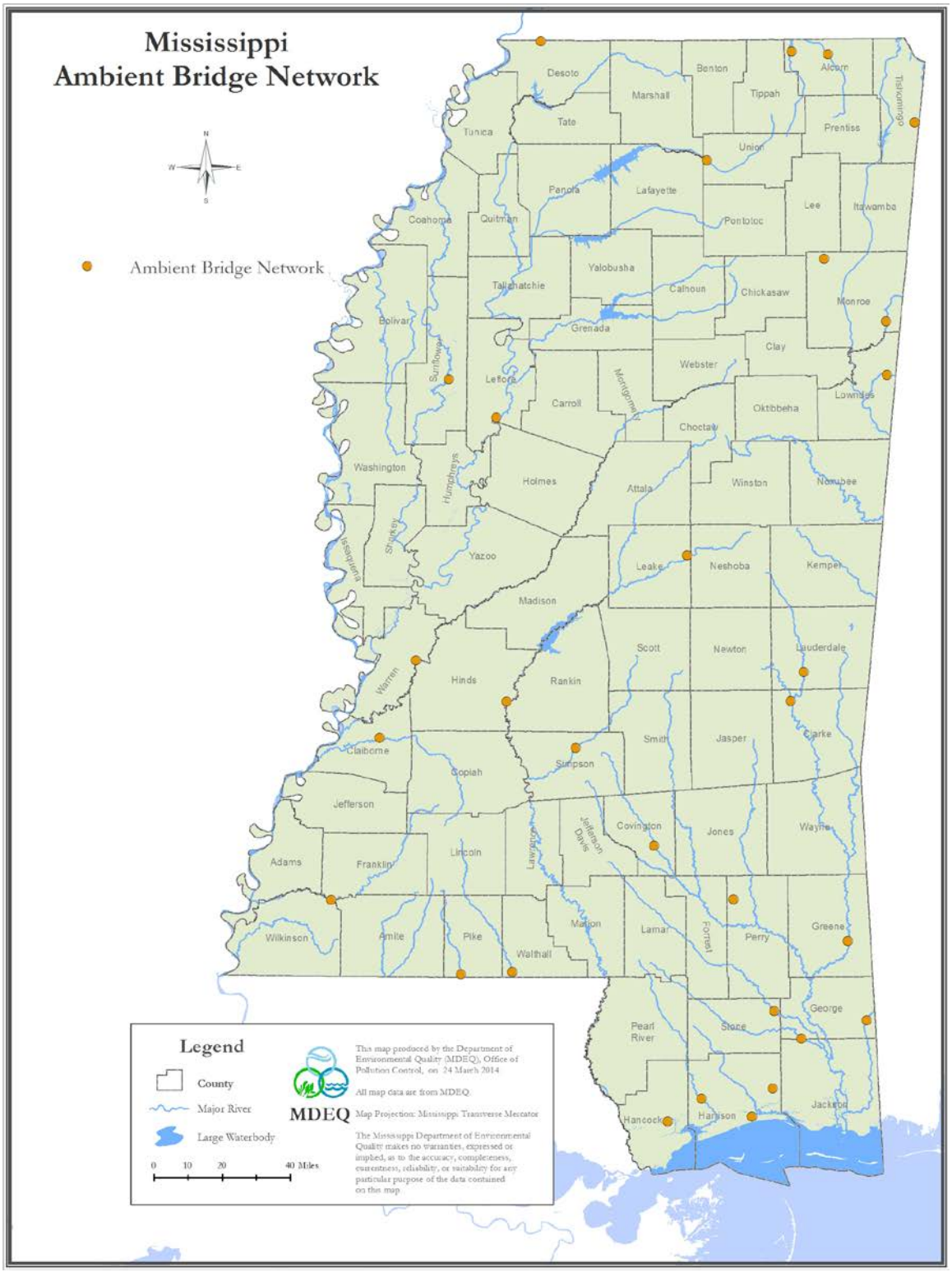

Figure 13: Ambient Bridge Network

Ambient Biological Network

In addition to extensive water chemistry and fish tissue analyses, the MDEQ relies heavily on the use of biological indicators to determine attainment status. The purpose of ambient biological monitoring is to assess the health or biological integrity of the aquatic community as a long-term indicator of stream water quality. The MDEQ Ambient Biological Monitoring Program collects benthic macroinvertebrate community surveys in wadeable freshwater streams, and chlorophyll *a* levels in lentic, marine and estuarine waters.

In 2001, MDEQ updated the biological monitoring methodology in response to §303(d) issues and workloads. This initiative led to the development of a Mississippi-calibrated Index of Biological Integrity (IBI) *Development and Application of the Mississippi Benthic Index of Stream Quality (M-BISQ)* (MDEQ 2003b) for use in assessment of wadeable streams in Mississippi and resulted in monitoring efforts that have greatly increased the number of biological assessments conducted on state waters. The Mississippi Benthic Index of Stream Quality (M-BISQ) and the established sampling and analytical methodology contained therein now serves as the foundation for routine biological monitoring in MDEQ statewide Ambient Monitoring Network. In 2008, the M-BISQ was recalibrated using data and information collected 2001-2006. The recalibration report, *Evaluation and Recalibration of the Mississippi Benthic Index of Stream Quality (M-BISQ) (*MDEQ 2008), is available upon request. Figure 14 shows the M-BISQ where data were collected in 2008-2012.

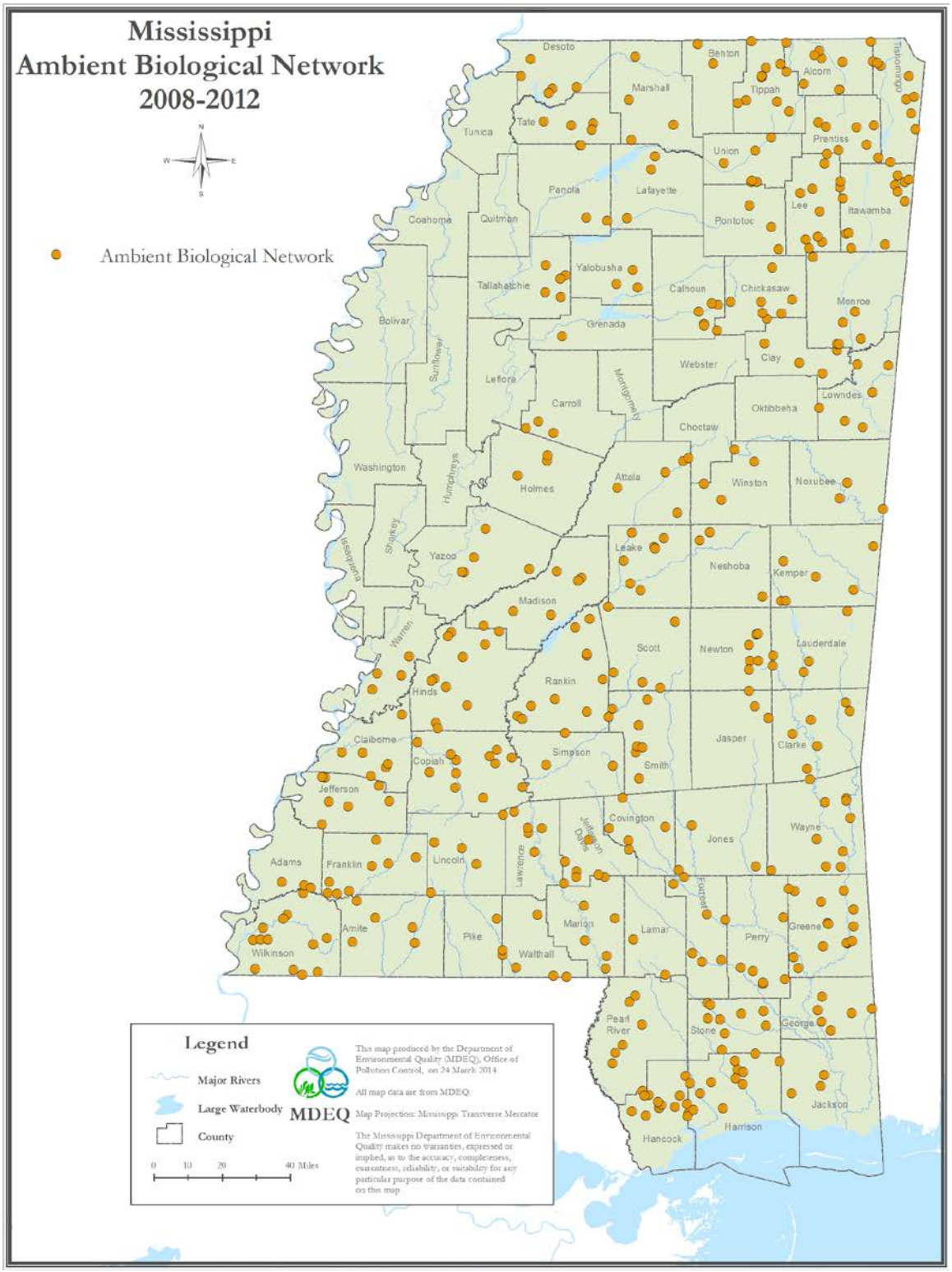

Figure 14: Ambient Biological Network

Ambient Recreational Monitoring Network

MDEQ maintains a monitoring network for flowing waters in the state that are used for primary contact recreation. A listing of these waters can be found in Mississippi's WQS. These sites are located on the recreational water bodies to monitor fecal coliform for the safety of Mississippi citizens that use these waters for recreational purposes. Monitoring is done at these locations in order to collect 5 samples within a 30-day period. This sample frequency allows for the calculation of a geometric mean for the fecal coliform data. Each location is monitored in both the contact (May-October) and non-contact (November-April) seasons. Figure 15 shows these monitoring locations.

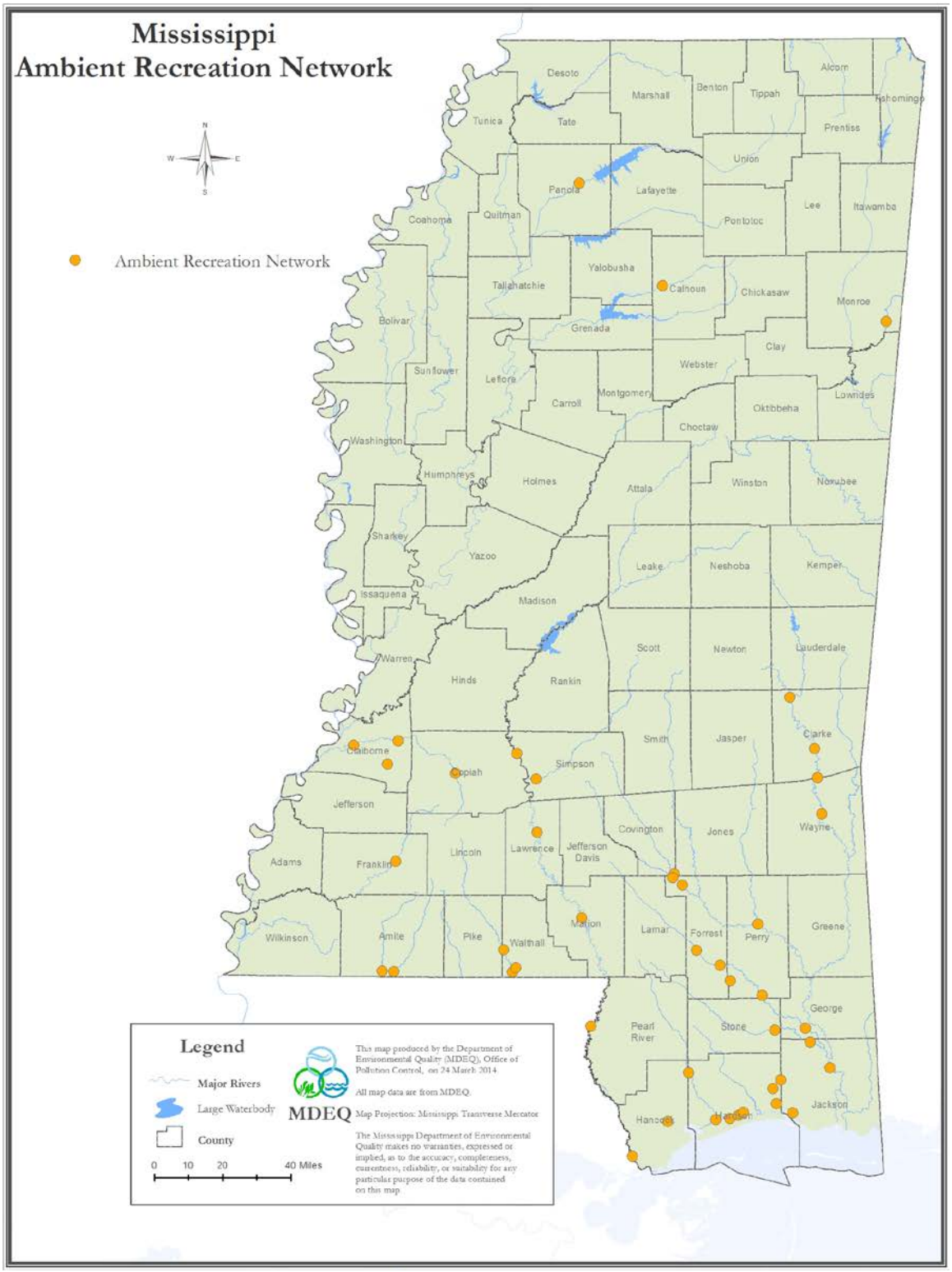

Figure 15: Ambient Recreational Monitoring Network

Ambient Beach Monitoring Network

MDEQ's Ambient Beach Monitoring Program, operated in conjunction with the University of Southern Mississippi's Gulf Coast Research Laboratory (GCRL), conducts routine bacteria and water chemistry sampling at 22 beach stations located along Mississippi's Gulf Coast (Figure 16). MDEQ is just one partner within a multi-agency Beach Monitoring Task Force composed of EPA Gulf of Mexico Program, Mississippi Department of Marine Resources, and the Mississippi State Department of Health. This Beach Monitoring Task Force oversees the program and issues beach advisories when needed.

MDEQ and the Beach Monitoring Task Force rely on data collected under this program to assess health safety issues for users of Mississippi's recreational beaches. When enterococci bacteria concentrations reach unsafe levels, beach advisories are issued. In addition, the monitoring data provide information concerning the seasonal water quality conditions of the immediately accessible waters along the public bathing beaches. Beach water quality conditions are made available to the public via a Beach Monitoring Web page developed by GCRL that can be accessed via the MDEQ Homepage (www.deq.state.ms.us). This web site contains beach advisory status, location of monitored sites, data associated with those monitored locations, and a history of beach advisories.

There are 22 beach monitoring stations that are sampled weekly. Any station is re-sampled if enterococci bacteria levels exceed 104 colonies/100ml.

Mississippi Coastal Assessment Program

Through the establishment of the Mississippi Coastal Assessment Program (MCA), MDEQ has continued to coordinate the sampling effort that was initiated as part of USEPA's National Coastal Assessment (NCA) monitoring. This monitoring builds upon the data generated through NCA by using the same probabilistic station selection process and collecting data at 25 sites annually. MDEQ's MCA program monitors the core ecological indicators established by the NCA program. Figure 17 depicts all of the monitoring locations that have been sampled for 2008-2012.

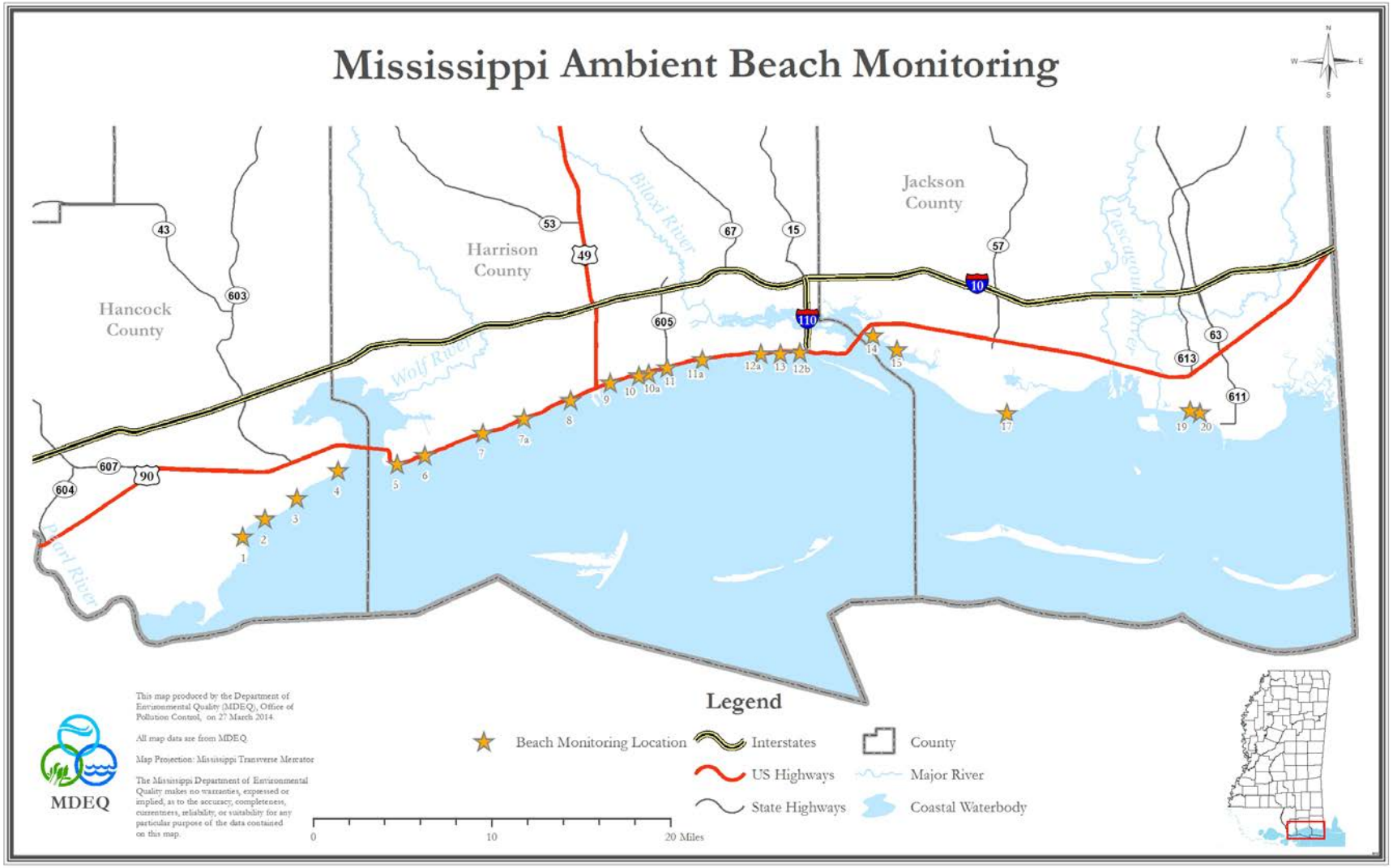

Figure 16: Ambient Beach Monitoring Network

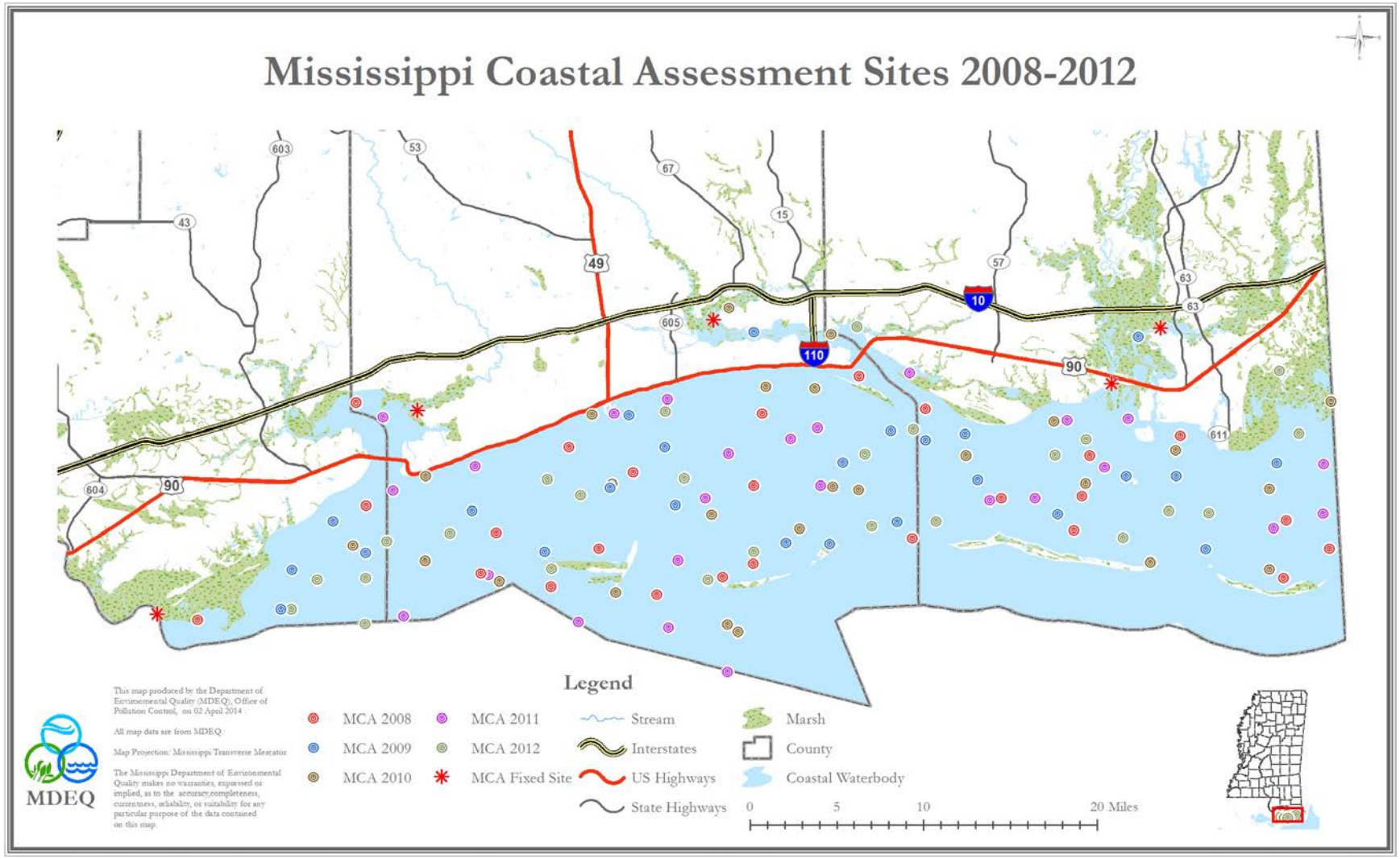

Figure 17: Mississippi Coastal Assessment 2008-2012

LITERATURE CITED

11 Miss. Code Ann. Admin. Code Pt. 6, Ch. 2 Web 2013

Addy, K. and L Green. 1996. Phosphorus and lake aging. Natural Resources Facts, Fact sheet No. 96-2. University of Rhode Island.

Brezonik, P.L. 1984. Trophic state indices: rational for multivariate approaches. Pages 441-445 in Lake and Reservoir Management, October 18-23, Knoxville, TN. EPA 440/5-84-001 US EPA Washington D.C.

Carlson, R.E. 1977. A trophic state index for lakes. Limnology and Oceanography, 22:361-369.

Carlson, R.E. and J. Simpson. 1996. A Coordinator's Guide to Volunteer Lake Monitoring Methods. North American Lake Management Society. 96 pp.

Greenwood, N.N. and A. Earnshaw. 2002. Chemistry of the Elements. Butterworth Heinmann, NY.

(MDEQ) Mississippi Department of Environmental Quality. 2001. Mississippi Delta Fish Tissue Study 2000, Final Report. October 2001. Mississippi Department of Environmental Quality, Jackson, MS.

(MDEQ) Mississippi Department of Environmental Quality. 2003. Development and Application of the Mississippi Benthic Index of Stream Quality (M-BISQ). June 2003. Mississippi Department of Environmental Quality, Jackson, MS.

(MDEQ) Mississippi Department of Environmental Quality. 2008. Evaluation and Recalibration of Mississippi Benthic Index of Stream Quality (M-BISQ). February 2008. Mississippi Department of Environmental Quality, Jackson, MS.

(MDEQ) Mississippi Department of Environmental Quality. 2011. State of Mississippi Surface Water Monitoring Program Strategy for Fiscal Years 2012-2014. May 2009. Mississippi Department of Environmental Quality, Jackson, MS.

(MDEQ) Mississippi Department of Environmental Quality. 2014. Mississippi 2014 Section 303(d) List of Impaired Water Bodies. April 2014. Mississippi Department of Environmental Quality, Jackson, MS.

(MDEQ) Mississippi Department of Environmental Quality. 2014. Mississippi CALM (Consolidated Assessment and Listing Methodology) 2014 Assessment and Listing Cycle Data Requirements and Assessment and Listing Methodology to

Fulfill the Requirements of Sections 305(b) and 303(d) of the Clean Water Act (CWA). April 2012. Mississippi Department of Environmental Quality, Jackson, MS.

Mississippi Fish Advisory Task Force. 2001. Fish Advisory Criteria For Organochlorine Compounds. February 2001. Mississippi Department of Environmental Quality, Jackson, MS.

Oldham, L. 2003. Phosphorus in Mississippi Soils. Information Sheet 871. http://msucares.com/pubs/infosheets/is0871.pdf

(USEPA) U.S. Environmental Protection Agency. 1997. Guidelines for Preparation of the Comprehensive State Water Quality Assessments (305(b) Reports) and Electronic Updates: Report Contents. September 1997. U.S. Environmental Protection Agency. Office of Water. Washington, D.C. EPA-841-B-97-0002A.

(USEPA) U.S. Environmental Protection Agency. 2000. Stressor Identification Guidance Document. December 2000. U.S. Environmental Protection Agency. Office of Water. Washington, D.C. EPA/822/B-00/025

(USEPA) U.S. Environmental Protection Agency. 2001. EPA Requirements for Quality Assurance Project Plans. March 2001. U.S. Environmental Protection Agency. Office of Environmental Information. Washington, D.C. EPA/240/B-01/003

(USEPA) U.S. Environmental Protection Agency. 2002. Consolidated Assessment and Listing Methodology Toward a Compendium of Best Practices. First Edition. July 2002. U.S. Environmental Protection Agency. Office of Wetlands, Oceans, and Watersheds. Washington, D.C.

(USEPA) U.S. Environmental Protection Agency. 2 February 2006. http://www.epa.gov/bioiweb1/aquatic/carlson.html. Carlson's Trophic State Index. Aquatic Biodiversity

Appendix A
State of Mississippi
Water Quality Assessment
2014 Section 305(b) Report

Introduction

MDEQ manages its surface water programs on a river basin scale and has established a process that coordinates the water assessment and management activities of numerous state and federal agencies. This process, the Mississippi Basin Management Approach, is responsible for the development of and recurring updates to, basin management plans for Mississippi's major river basins. This appendix provides water quality assessment information specific to each of the state's major river basins. The information in this appendix is strictly a representation of the statewide §305(b) assessments broken down by river basin.

Hydraulically, the waters of Mississippi are divided into ten major drainage areas or river basins. These ten basins are the Big Black River Basin, Coastal Streams Basin, Mississippi River Basin, North Independent Streams Basin, Pascagoula River Basin, Pearl River Basin, South Independent Streams Basin, Tennessee River Basin, Tombigbee River Basin and Yazoo River Basin. For MDEQ management purposes, the Mississippi River Basin has been divided into upper and lower portions. The upper portion has been grouped with the Yazoo River Basin and the lower portion has been grouped with the South Independent Streams Basin.

In the following sections, surface water quality assessment data are presented in the form of an alphabetical listing of all individual water body assessments made for the 2010 §305(b) report. With each water body entry, pertinent information regarding water body ID number, reach location, assessed use, assessment status and numeric category designation are shown. This table also provides the necessary information to cross-reference §305(b) assessments with the 2014 §303(d) list. It should be noted that the assessment information provided in the detailed listing is accurate as of April 1, 2014, which may be different from the 2014 §303(d) list.

The integrated assessment guidance from USEPA allows segments to be assigned to one of five categories at the designated use level. This results in water bodies with multiple uses that often have multiple categories. This categorization system assigns a water body to one of five categories by use:

Category 1: Attaining all uses
Category 2: Attaining some uses but insufficient information for assessment of other uses.
Category 3: Insufficient information to assess any use
Category 4: Not attaining a use but a TMDL is not necessary
Category 5: Not attaining a use and a TMDL is needed.

USEPA defines a Category 1 water as having sufficient data to prove there is no impairment for any potential designated use of that water body. Since Mississippi rarely has data for all designated uses on a specific water body, Mississippi currently has no water bodies assigned to Category 1.

BIG BLACK RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
ATWOOD CREEK	103012	N/A	Aquatic Life Support	01/06/14	Attaining	2
LOCATION: NEAR KOSCIUSKO FROM HEADWATERS TO MOUTH AT APOOKTA CREEK						
BAKERS CREEK	109211	109211	Aquatic Life Support	01/07/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH FLEETWOOD CREEK TO CONFLUENCE WITH FOURTEEN MILE CREEK						
BEAR CREEK	107711	107711	Aquatic Life Support	02/15/12	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER						
BEAVER CREEK	107411	107411	Aquatic Life Support	12/03/09	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER						
BIG BLACK RIVER	100111	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR MATHISTON FROM HEADWATERS TO MWS BOUNDARY 1003						
BIG BLACK RIVER	107811	N/A	Aquatic Life Support	02/10/14	Not Attaining	5
LOCATION: FROM CONFLUENCE WITH BEAR CREEK TO CONFLUENCE WITH CLEAR CREEK						
BIG CYPRESS CREEK	104812	104812	Aquatic Life Support	02/08/12	Not Attaining	5
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH UNNAMED INTERMITTENT TRIB. DOWNSTREAM OF HWY 17						

BIG BLACK RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
BIG SAND CREEK	108311	108311	Aquatic Life Support	01/06/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER						
BOGUE CHITTO CREEK	107111	MS436E	Aquatic Life Support	01/06/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH LIMEKILN CREEK TO MOUTH AT BIG BLACK RIVER						
COX CREEK	107612	MS437E	Aquatic Life Support	01/06/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HEADWATERS TO MOUTH AT PORTER CREEK						
DOAKS CREEK	105111	N/A	Aquatic Life Support	01/06/14	Attaining	2
LOCATION: FROM HEADWATERS TO MWS 1054 BOUNDARY						
DOAKS CREEK	105411	N/A	Aquatic Life Support	01/06/14	Attaining	2
LOCATION: FROM CONFLUENCE WITH DRY CREEK TO MOUTH AT BIG BLACK RIVER						
DRY CREEK	105311	N/A	Aquatic Life Support	01/06/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT DOAKS CREEK						
FIVEMILE CREEK	108211	108211	Aquatic Life Support	02/15/12	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER						

BIG BLACK RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
FLEETWOOD CREEK	109113	109113	Aquatic Life Support	01/06/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH BAKERS CREEK						
FOURTEENMILE CREEK	108811	MS441FE	Aquatic Life Support	01/06/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH BAKERS CREEK AT MWS 1086 TO MOUTH AT BIG BLACK RIVER						
HAMER BAYOU	109312	109312	Aquatic Life Support	12/03/09	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER						
HOBUCK CREEK	105511	105511	Aquatic Life Support	02/14/12	Not Attaining	5
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH DOAKS CREEK						
JIMS BAYOU	109311	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR REGANTON FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER						
JORDAN CREEK	102911	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR HOFFMAN FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER						
LIMEKILN CREEK	106911	N/A	Aquatic Life Support	01/15/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT BOGUE CHITTO CREEK						

BIG BLACK RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
LITTLE BEAR CREEK	105712	105711	Aquatic Life Support	01/06/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT BEAR CREEK						
MARKHAM CREEK	108011	N/A	Aquatic Life Support	01/06/14	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH THE BIG BLACK RIVER						
MUDDY CREEK	107912	107912	Aquatic Life Support	01/06/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH CLEAR CREEK						
PEPPER CREEK / RUCKER CREEK	104511	104511	Aquatic Life Support	01/06/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT BEAVER RUN						
PERSIMMON CREEK	106311	106311	Aquatic Life Support	01/06/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH BIG BLACK RIVER						
PORTER CREEK	107611	107611	Aquatic Life Support	01/15/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER						
RAMBO CREEK	103912	103912	Aquatic Life Support	02/14/12	Not Attaining	5
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH HINDS CREEK						

BIG BLACK RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
SAND CREEK	101112	101112	Aquatic Life Support	02/08/12	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT CALABRELLA CREEK						
STRAIGHT FENCE CREEK	107011	N/A	Aquatic Life Support	01/06/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT BOGUE CHITTO CREEK						
TURKEY CREEK	108711	108711	Aquatic Life Support	01/06/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT FOURTEENMILE CREEK						
UNNAMED TRIBUTARY TO PIGEON ROOST CREEK	100411	100411	Aquatic Life Support	03/04/10	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT PIGEON ROOST CREEK						
WILLIS CREEK	109511	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR GALLOWAY FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER						

COASTAL STREAMS						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
BAY ST LOUIS BEACH	250111	N/A	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM WASHINGTON STREET TO THE CULVERT JUST NORTH OF RAMANEDA STREET						
BAYOU BACON	203812	N/A	Aquatic Life Support	01/07/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT JOURDAN RIVER						
BAYOU CASOTTE	200313	MS109E04M	Aquatic Life Support	02/08/10	Not Attaining	5
LOCATION: FROM CONFLUENCE OF WEST PRONG AND EAST PRONG TO TURNING BASIN						
BAYOU CASOTTE WEST PRONG	200312	MS109E04M	Aquatic Life Support	02/08/10	Not Attaining	5
LOCATION: FROM LOUISE STREET TO THE CONFLUENCE OF WEST PRONG AND EAST PRONG						
BAYOU CUMBEST	200311	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR ORANGE GROVE: FROM COUNTY ROAD EAST OF ORANGE GROVE TO MOUTH AT POINT AUX CHENES BAY						
BAYOU LA TERRE	204111	N/A	Aquatic Life Support	12/10/13	Attaining	2
LOCATION: FROM CONFLUENCE OF UNNAMED TRIB TO MWS 2040 BOUNDARY AT CONFLUENCE WITH						
BAYOU LA TERRE	204112	N/A	Aquatic Life Support	12/10/13	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH UNNAMED TRIB						

COASTAL STREAMS						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
BILOXI EAST BEACH	250318	N/A	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM DUKATE STREET TO LEE STREET						
BILOXI PORTER AVENUE BEACH	250317	N/A	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM ST PETER STREET TO ST FRANCIS STREET						
BILOXI WEST CENTRAL BEACH	250314	N/A	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM TRAVIA TO I'BERVILLE DRIVE						
BUCCANEER STATE PARK BEACH	250113	N/A	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: 1OO YARDS EAST TO 100 YARDS WEST OF SAMPLE LOCATION						
CATAHOULA CREEK	203311	203311	Aquatic Life Support	01/07/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH JOURDAN RIVER						
COSTAPIA BAYOU	201611	201611	Aquatic Life Support	01/16/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT TCHOUTACABOUFFA RIVER						
COURTHOUSE ROAD BEACH	250315	250315	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM VA MAIN ENTRANCE TO COURTHOUSE ROAD						

COASTAL STREAMS						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
DEAD TIGER CREEK	203711	203711	Aquatic Life Support	01/07/14	Not Attaining	5
LOCATION: NEAR KILN FROM HEADWATERS TO CONFLUENCE WITH CATAHOULA CREEK						
EDGEWATER BEACH	250316	250316	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM DEBUYS ROAD TO EDGEWATER DRIVE						
FLAT BRANCH	202111	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR GULFPORT FROM HEADWATERS TO MOUTH AT BERNARD BAYOU						
FLAT BRANCH	200914	200914	Aquatic Life Support	01/07/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT SAUCIER CREEK						
FRONT BEACH	202613	N/A	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM YACHT CLUB TO JACKSON STREET						
GULF PARK ESTATES BEACH	250411	250411	Aquatic Life Support	02/13/12	Not Attaining	5
			Primary Contact (Recr)	02/13/12	Not Attaining	5
LOCATION: FROM PELICAN AVE TO DEER STREET						
GULFPORT CENTRAL BEACH	250312	N/A	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM ALFONSO DRIVE TO VA MAIN ENTRANCE						

COASTAL STREAMS						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
GULFPORT EAST BEACH	250313	250313	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM LAUREL DRIVE TO ANNISTON AVENUE						
GULFPORT HARBOR BEACH	250311	N/A	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM 15TH STREET TO THORNTON AVENUE						
GULFPORT WEST BEACH	250212	N/A	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM MARIE AVENUE TO CAMP AVENUE						
HORSE CREEK	200711	N/A	Aquatic Life Support	01/07/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT BILOXI RIVER						
JOURDAN RIVER	203911	N/A	Aquatic Life Support	01/23/14	Attaining	2
			Primary Contact (Recr)	12/18/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH BACON BAYOU TO MWS 2042 BOUNDARY						
LITTLE BILOXI RIVER	201211	N/A	Aquatic Life Support	01/07/14	Attaining	2
LOCATION: FROM MWS 2011 BOUNDARY TO MOUTH AT BILOXI RIVER						
LONG BEACH	250213	N/A	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM OAK CARDENS TO GIRARD						

COASTAL STREAMS						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
MILL CREEK	204011	N/A	Aquatic Life Support	12/13/13	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT ROTTEN BAYOU						
OLD FORT BAYOU	202511	N/A	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM BAYOU TALLA TO THE 2024 WATERSHED BOUNDARY AT WASHINGTON ST BRIDGE						
ORPHAN CREEK	203811	N/A	Aquatic Life Support	01/07/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT BAYOU BACON						
PALMER CREEK	200915	200915	Aquatic Life Support	02/21/12	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT BILOXI RIVER						
PASCAGOULA BEACH EAST	250512	N/A	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM WESTWOOD STREET TO GRAND OAKS						
PASCAGOULA BEACH WEST	250511	N/A	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM OLIVER STREET TO WESTWOOD						
PASS CHRISTIAN CENTRAL	250215	N/A	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM HENDERSON AVENUE TO HEIRN AVENUE						

COASTAL STREAMS						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
PASS CHRISTIAN EAST BEACH	250211	N/A	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM EPSY AVENUE TO HAYDEN STREET						
PASS CHRISTIAN WEST BEACH	250214	N/A	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM FORT HENRY AVENUE TO ELLIOT STREET						
RAILROAD CREEK	201411	201411	Aquatic Life Support	01/07/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT RAMSEY CREEK						
SAUCIER CREEK	201011	N/A	Aquatic Life Support	01/14/14	Attaining	2
LOCATION: FROM HEADWATERS TO MWS 2009 BOUNDARY						
SHEARWATER BEACH	202612	N/A	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM WEEKS BAYOU TO HALSTEAD ROAD						
ST ANDREWS BEACH	250412	N/A	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM BULKHEAD AT WEST END OF S BELLE FONTAINE DR TO 5000 E BELLE FONTAINE						
TCHOUTACABOUFFA RIVER	202011	N/A	Primary Contact (Recr)	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH TUXACHANIE CREEK TO CONFLUENCE WITH BILOXI RIVER						

COASTAL STREAMS

WATERSHED NAME	ASSESSMENT UNIT	§ 303(d) ID	USE	ASSESSMENT DATE	ASSESSMENT STATUS	CATEGORY
TCHOUTACABOUFFA RIVER	201511	MS117M1	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM CONFLUENCE WITH RAMSEY CREEK TO CONFLUENCE WITH TUXACHANIE CREEK						
TIGER CREEK	200912	200912	Aquatic Life Support	01/07/14	Not Attaining	5
LOCATION: HEADWATERS TO MOUTH AT BILOXI RIVER						
TURKEY CREEK	202214	N/A	Primary Contact (Recr)	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HWY 49 TO MOUTH AT BERNARD BAYOU						
TURKEY CREEK	202211	202211	Aquatic Life Support	02/21/12	Not Attaining	5
			Primary Contact (Recr)	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH CANAL NUMBER 2 TO HWY 49 BRIDGE						
TUXACHANIE CREEK	201711	N/A	Aquatic Life Support	01/07/14	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH BIGFOOT CREEK						
TUXICHANIE CREEK	201911	N/A	Aquatic Life Support	02/10/14	Attaining	2
			Primary Contact (Recr)	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM MWS BOUNDARY TO 2018 TO MOUTH AT TCHOUTACABOUFFA RIVER						
UNNAMED TRIBUTARY TO BAYOU LASALLE	204013	N/A	Aquatic Life Support	12/13/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT BAYOU LASALLE						

COASTAL STREAMS						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
UNNAMED TRIBUTARY TO ROTTEN BAYOU	204012	N/A	Aquatic Life Support	12/13/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT ROTTEN BAYOU						
UNT TO TURKEY CREEK	202213	N/A	Aquatic Life Support	01/07/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT TURKEY CREEK						
WAVELAND BEACH	250112	N/A	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM OAK STREET TO FARVE STREET						
WEST CREEK	201012	200912	Aquatic Life Support	01/07/14	Not Attaining	5
LOCATION: FROM CONFLUENCE WITH MCHENRY BRANCH TO MOUTH AT SAUCIER CREEK						
WOLF CREEK	205312	205312	Aquatic Life Support	01/07/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT WOLF RIVER						
WOLF RIVER	205411	N/A	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM MWS 2053 BOUNDARY TO BELLS FERRY ROAD						
WOLF RIVER	205315	N/A	Primary Contact (Recr)	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH CANE CREEK TO HWY 53 BRIDGE						

COASTAL STREAMS						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
WOLF RIVER	205311	N/A	Aquatic Life Support	02/10/14	Attaining	2
LOCATION: FROM HWY 53 TO CONFLUENCE WITH SANDY CREEK						

NORTH INDEPENDENT STREAMS						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
BEARMAN CREEK	302412	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: FROM THE HEADWATERS TO N35°						
BRIDGE CREEK	301912	N/A	Aquatic Life Support	12/11/13	Attaining	2
LOCATION: FROM HEADWATERS TO HATCHIE RIVER						
BYNUM CREEK	300413	N/A	Aquatic Life Support	12/11/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT HINKLE CREEK						
EASTES CREEK	301112	N/A	Aquatic Life Support	12/12/13	Not Attaining	5
LOCATION: FROM THE CONFLUENCE WITH UNDERWOOD CREEK TO THE MOUTH AT TUSCUMBIA RIVER CANAL						
FOURTH CREEK	301913	N/A	Aquatic Life Support	12/11/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT HATCHIE RIVER						
GRAYS CREEK	303511	N/A	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO TN STATE LINE						
HATCHIE RIVER	302411	N/A	Aquatic Life Support	02/07/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM THE MWS 3019 BOUNDARY TO THE MS/TN STATE LINE						

NORTH INDEPENDENT STREAMS						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
HINKLE CREEK	300412	N/A	Aquatic Life Support	12/11/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT TUSCUMBIA RIVER CANAL						
HORN LAKE CREEK	304311	N/A	Aquatic Life Support	02/07/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HEADWATERS TO MS/TN STATE LINE						
OWL CREEK	301412	301412	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT LITTLE HATCHIE RIVER						
PORTERS CREEK	302811	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: FROM HEADWATERS TO TN STATE LINE						
TAREBREECHES CREEK	301212	301212	Aquatic Life Support	12/12/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT TUSCUMBIA RIVER CANAL						
TURKEY CREEK	302112	N/A	Aquatic Life Support	12/11/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT MUDDY CREEK						
TUSCUMBIA RIVER CANAL	301211	N/A	Aquatic Life Support	02/07/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH EASTES CREEK TO CONFLUENCE WITH TAREBREECHES						

NORTH INDEPENDENT STREAMS						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
TUSCUMBIA RIVER CANAL	301111	N/A	Aquatic Life Support	03/10/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE OF UNKNOWN TRIB TO THE CONFLUENCE OF EASTES CREEK						
WEST PRONG MUDDY CREEK	302011	302011	Aquatic Life Support	01/16/14	Not Attaining	5
LOCATION: WEST PRONG MUDDY CREEK FROM HEADWATERS TO MOUTH AT MUDDY CREEK						

PASCAGOULA RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
ANDERSON BRANCH	401711	401711	Aquatic Life Support	12/01/09	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT OKAHATTA CREEK						
ARCHUSA CREEK	405111	405111	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: FROM HEADWATERS AT UNNAMED IMPOUNDMENT TO MWS 4052 BOUNDARY						
BEAVER CREEK	406311	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH CHICKASAWHAY RIVER						
BEAVER CREEK	421212	421212	Aquatic Life Support	01/10/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT HICKORY CREEK						
BEAVERDAM CREEK	419511	N/A	Primary Contact (Recr)	12/17/13	Attaining	2
LOCATION: FROM CONFLUENCE OF BOWENS BAY AT 4194 BOUNDARY TO MWS 4196 BOUNDARY						
BIG CREEK	417211	N/A	Aquatic Life Support	12/11/13	Attaining	2
LOCATION: FROM HEADWATERS TO MWS 4173 BOUNDARY						
BIG CREEK	406711	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM CONFLUENCE WITH LITTLE CREEK MOUTH AT CHICKASAWHAY RIVER						

PASCAGOULA RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
BIG CREEK	406911	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM CONFLUENCE OF HELL HOLE CREEK TO CONFLUENCE WITH MASON CREEK						
BIG CREEK	419012	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT BLACK CREEK						
BIG CREEK	409911	N/A	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: FROM MWS 4098 BOUNDARY TO MOUTH AT LEAF RIVER						
BLACK CREEK	419611	N/A	Primary Contact (Recr)	12/17/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH MACKLIN CREEK TO CONFLUENCE WITH CYPRESS CREEK						
BLACK CREEK	418711	N/A	Primary Contact (Recr)	12/17/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM MWS 4186 BOUNDARY TO CONFLUENCE AT LITTLE BLACK CREEK						
BLACK CREEK	421111	421111	Aquatic Life Support	01/23/14	Attaining	2
			Primary Contact (Recr)	12/17/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH CYPRESS CREEK TO MWS 4215 BOUNDARY						
BLACK CREEK	421511	421511	Primary Contact (Recr)	12/18/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM MWS BOUNDARY 4211 TO MWS BOUNDARY 4216						

PASCAGOULA RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
BLUFF CREEK	420611	N/A	Aquatic Life Support	12/10/13	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH RED CREEK						
BLUFF CREEK	417811	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: BLUFF CREEK FROM MWS 4177 BOUNDARY TO CONFLUENCE WITH MOUNGERS CREEK						
BOWIE RIVER	425012	N/A	Primary Contact (Recr)	12/18/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH DRY CREEK TO MWS 4118 BOUNDARY AT I59						
BOWIE RIVER	411611	MS084M	Primary Contact (Recr)	12/17/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH HAYDEN CREEK TO MWS 4250						
BRUSHY CREEK	407111	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: BRUSHY CREEK FROM HEADWATERS TO MOUTH AT BIG CREEK						
CHICKASAWHAY RIVER	406212	N/A	Primary Contact (Recr)	12/18/13	Attaining	2
LOCATION: FROM CONFLUENCE WITH YELLOW CREEK TO COUNTY ROAD BRIDGE						
CHICKASAWHAY RIVER	404412	N/A	Aquatic Life Support	01/23/14	Attaining	2
LOCATION: FROM CONFLUENCE WITH OKATIBBEE CREEK TO RIVER ROAD BRIDGE CROSSING AT STONEWALL						

PASCAGOULA RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
CHICKASAWHAY RIVER	405911	N/A	Primary Contact (Recr)	12/18/13	Attaining	2
LOCATION: FROM MWS BOUNDARY 4053 TO CONFLUENCE WITH EUCUTTA CREEK						
CHICKASAWHAY RIVER	424011	N/A	Primary Contact (Recr)	12/18/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM MWS 4045 TO CONFLUENCE WITH FALLEN CREEK						
CHICKASWAY RIVER	407711	N/A	Aquatic Life Support	01/23/14	Attaining	2
LOCATION: FROM BOUNDARY WITH MWS 4075 TO MWS BOUNDARY 4078						
CHUNKY CREEK	401511	401511	Aquatic Life Support	12/07/09	Not Attaining	5
LOCATION: FROM HEADWATERS AT UNION POTW TO MWS BOUNDARY 4018						
CHUNKY CREEK	401811	401811	Aquatic Life Support	04/11/14	Attaining	2
LOCATION: FROM CONFLUENCE WITH SMITH BRANCH TO MOUTH AT OKAHATTA CREEK						
CHUNKY RIVER	402312	N/A	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: FROM CONFLUENCE WITH CHUNKY CREEK AND POTERCHITTO CREEK TO THE MWS4026 BOUNDARY						
CHUNKY RIVER	402611	N/A	Aquatic Life Support	11/30/09	Not Attaining	5
			Primary Contact (Recr)	12/18/13	Attaining	2
LOCATION: FROM CONFLUENCE WITH POSSUM CREEK TO MOUTH AT CHICKASAWHAY RIVER						

PASCAGOULA RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
CLEAR CREEK	409212	N/A	Aquatic Life Support	12/12/13	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT OAKOHAY CREEK						
CLEAR CREEK	409013	N/A	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: CLEAR CREEK FROM HEADWATERS TO MOUTH AT OAKOHAY CREEK						
COLDWATER CREEK	404011	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: COLDWATER CREEK FROM HEADWATERS TO MOUTH AT BUCKATUNNA CREEK						
CYPRESS CREEK	421011	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: CYPRESS CREEK FROM HEADWATERS TO MWS 4211 BOUNDARY						
CYPRESS CREEK	420512	N/A	Aquatic Life Support	12/10/13	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUECE WITH RED CREEK						
DOUBLE BRANCH	419911	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM HEADWATERS TO 4200 MWS BOUNDARY						
DRY CREEK	411111	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: NEAR TERRELL FROM HEADWATERS TO MOUTH AT BOWIE CREEK						

PASCAGOULA RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
DRY CREEK	403811	403811	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT BUCKATUNNA CREEK						
ESCATAWPA RIVER	422911	MS107M1	Aquatic Life Support	01/23/14	Not Attaining, Tmdl Completed	4A
LOCATION: NEAR AGRICOLA FROM MS/AL STATE LINE TO CONFLUENCE WITH RED CREEK						
EUCUTTA CREEK	405811	405811	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: EUCUTTA CREEK FROM OUTFALL OF SMALL UNNAMED POND TO CONFLUENCE WITH CHICASAWHAY RIVER						
FALLEN CREEK	424012	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT CHICKASAWHAY RIVER						
FAULK DITCH	407811	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT CHICKASAWHAY RIVER						
FLINT CREEK	420211	420211	Aquatic Life Support	01/10/14	Not Attaining	5
LOCATION: FROM OUTFALL OF FLINT CREEK RESERVOIR TO MOUTH AT RED CREEK						
GAINES CREEK	415911	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM THE CONFLUENCE OF SAND HILL CREEK AND PINEY WOODS CREEK TO THE MWS4160 BOUNDARY						

PASCAGOULA RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
GORDON CREEK	405011	405011	Aquatic Life Support	01/10/14	Not Attaining	5
LOCATION: GORDON CREEK FROM HEADWATERS TO MOUTH AT SOUENLOVIE CREEK						
GREEN CREEK	407712	N/A	Aquatic Life Support	01/23/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT ROBERTSON CREEK						
GRIFFIN CREEK	424511	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT CHICKASAWHAY RIVER						
HELL HOLE CREEK	406813	N/A	Aquatic Life Support	03/19/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT BIG CREEK						
HICKORY CREEK	421211	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH BLACK CREEK						
HORSE BRANCH	413612	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR HEIDELBERG FROM HEADWATERS TO MOUTH AT TALLAHATTAH CREEK						
HORTONS MILL CREEK	406111	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH CHICKASAWHAY RIVER						

PASCAGOULA RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
HOUSTON CREEK	400312	N/A	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT OKATIBBEE CREEK						
HURRICANE CREEK	402911	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT BUCKATUNNA CREEK						
INDIAN CREEK	417612	417612	Aquatic Life Support	01/10/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT PASCAGOULA RIVER						
KIRBY CREEK	425811	N/A	Aquatic Life Support	01/14/14	Attaining	2
LOCATION: FROM LAKE TOC-A-LEEN TO MOUTH AT RED CREEK						
KITTRELL MILL CREEK	406912	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT BIG CREEK						
LEAF RIVER	416412	N/A	Secondary Contact	12/18/13	Attaining	2
LOCATION: FROM CONFLUENCE WITH MILL CREEK TO CONFLUENCE WITH CARTER CREEK						
LEONARDS MILL CREEK	410312	410312	Aquatic Life Support	02/21/12	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT OKATOMA CREEK						

PASCAGOULA RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
LITTLE BLACK CREEK	418911	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: LITTLE BLACK CREEK FROM 4188 MWS BOUNDARY TO CONFLUENCE WITH BLACK CREEK						
LITTLE CEDAR CREEK	417411	417411	Aquatic Life Support	01/16/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT BIG CEDAR CREEK						
LITTLE CREEK	406712	N/A	Aquatic Life Support	12/12/13	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT BIG CREEK						
LITTLE OAKOHAY CREEK	408912	408912	Aquatic Life Support	01/16/14	Not Attaining	5
LOCATION: LITTLE OAKOHAY CREEK FROM HEADWATERS TO MOUTH AT OAKOAHAY CREEK						
LITTLE ROCK CREEK	401311	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT TALLASHUA CREEK						
LONG CREEK	403011	403011	Aquatic Life Support	12/01/09	Not Attaining	5
LOCATION: FROM CONFLUENCE WITH GAYS BRANCH TO MWS 4031						
LONG CREEK	403111	403111	Aquatic Life Support	02/17/12	Not Attaining	5
LOCATION: FROM MWS 4030 BOUNDARY TO MOUTH AT BUCKATUNNA CREEK						

PASCAGOULA RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
MARTIN CREEK	407813	N/A	Aquatic Life Support	12/10/13	Attaining	2
LOCATION: FROM HEADWATERS TO LEAKSVILLE POTW OUTFALL						
MARTIN CREEK	407812	N/A	Aquatic Life Support	12/10/13	Not Attaining	5
LOCATION: FROM LEAKSVILLE POTW OUTFALL DOWNSTREAM TO MOUTH AT CHICKASAWHAY RIVER						
MARTIN CREEK	420012	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT RED CREEK						
MAYNOR CREEK	406411	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM MAYNOR CREEK WATER PARK TO MOUTH AT BIG CREEK						
MCMILLAN CREEK	416911	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH LEAF RIVIER						
MERRITT CREEK	416811	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH LEAF RIVER						
MILL CREEK	404211	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT BUCKATUNNA CREEK						

PASCAGOULA RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
MOUNGERS CREEK	417911	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH BLUFF CREEK						
OAKOHAY CREEK	408911	MS076E	Aquatic Life Support	01/09/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH LITTLE OAKOHAY CREEK						
OKAHATTA CREEK	401712	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: OKAHATTA CREEK FROM MWS 4016 BOUNDARY TO MOUTH AT CHUNKY CREEK						
OKATIBBEE CREEK	400311	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: FORM HEADWATERS TO MWS 4005 BOUNDARY						
OKATIBBEE CREEK	401111	401111	Aquatic Life Support	12/07/09	Not Attaining	5
LOCATION: FROM MWYS 4010 BOUNDARY TO MOUTH AT CHICKASAWHAY RIVER						
OKATIBBEE CREEK	401011	401011	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: FROM CONFLUENCE OF SOWASHEE CREEK TO MWS 4011 BOUNDARY						
OKATIBBEE LAKE	400512	N/A	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: OKATIBBEE LAKE IN LAUDERDALE COUNTY						

PASCAGOULA RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
OKATOMA CREEK	410011	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM CONFLUENCE WITH DRY CREEK TO MWS 4102 BOUNDARY						
OKATOMA CREEK	410811	N/A	Primary Contact (Recr)	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM MWS 4107 BOUNDARY TO CONFLUENCE WITH BOUIE RIVER						
OKATOMA CREEK	410311	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM CONFLUENCE OF MCLAUREN CREEK TO CONFLUENCE WITH SHELBY CREEK						
OKATOMA CREEK	410511	N/A	Aquatic Life Support	01/23/14	Not Attaining	5
LOCATION: FROM CONFLUENCE WITH ROGER CREEK TO MWS 4078 BOUNDARY						
PASCAGOULA RIVER	418111	MSPASRM1	Primary Contact (Recr)	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM MWS BOUNDARY 4176 TO MWS BOUNDARY 4182						
PATTON CREEK	406211	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR WAYNESBORO FROM WAYNESBORO LAKE TO MOUTH AT CHICKASAWHAY RIVER						
PEARCES CREEK	419311	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH BLACK CREEK						

PASCAGOULA RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
PENANTLY CREEK	404712	404712	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: PENANTLY CREEK FROM HEADWATERS TO MOUTH AT SOUENLOVIE CREEK						
PINEY WOODS CREEK	415811	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT GAINES CREEK						
POPLAR CREEK	419212	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: BLACK CREEK FROM CONFLUENCE WITH BIG CREEK TO CONFLUENCE WITH POPLAR CREEK						
POTTERCHITTO CREEK	423611	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM 4021 MWS BOUNDARY TO 4023 MWS BOUNDARY						
PRAIRIE CREEK	413911	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR HEILDELBERG FROM HEADWATERS TO MOUTH AT BOGUE HOMO						
PRIESTS CREEK	416112	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT LEAF RIVER						
PROVIDENCE CREEK	425013	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT BOUIE RIVER						

PASCAGOULA RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
RED CREEK	420911	MS103RM	Primary Contact (Recr)	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH FLURRY MILL POND BRANCH TO MOUTH AT BLACK CREEK						
RED CREEK	420712	MS103RM	Aquatic Life Support	01/23/14	Attaining	2
LOCATION: FROM MWS 4205 BOUNDARY TO CONFLUENCE WITH BLUFF CREEK						
RED CREEK	420711	N/A	Aquatic Life Support	01/23/14	Attaining	2
LOCATION: FROM MWS 4206 BOUNDARY AT CONFLUENCE WITH BLUFF CREEK TO 4209 BOUNDARY AT RED CREEK ROAD						
RED CREEK	419711	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: RED CREEK FROM HEADWATERS TO MWS 4198 BOUNDARY						
RED CREEK	420511	N/A	Primary Contact (Recr)	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH OLD CREEK TO MWS 4207 BOUNDARY						
REESE CREEK	416212	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM TEMPLE RD TO MOUTH AT LEAF RIVER						
ROCKY CREEK	403311	403311	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: ROCKY CREEK FROM HEADWATERS TO MOUTH AT BUCKATUNNA CREEK						

PASCAGOULA RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
ROCKY CREEK	426211	N/A	Aquatic Life Support	12/11/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT ESCATAWPA RIVER						
SAND HILL CREEK	415711	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT GAINES CREEK						
SCOTCHENFLIPPER CREEK	404612	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT SOUENLOVIE CREEK						
SHELTON CREEK	410812	410812	Aquatic Life Support	01/10/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT OKATOMA CREEK						
SHUBUTA CREEK	405511	N/A	Aquatic Life Support	12/12/13	Attaining	2
LOCATION: FROM THE CONFLUENCE WITH HOLLICAR CREEK TO CONFULENCE WITH BOGUE HOMO						
SOUENLOVIE CREEK	404811	404811	Aquatic Life Support	02/21/12	Not Attaining	5
LOCATION: FROM CONFLUENCE WITH PENANTLY CREEK TO CONFLUENCE WITH TWISTWOOD						
SOWASHEE CREEK	423711	MS061	Aquatic Life Support	02/27/12	Not Attaining	5
LOCATION: FROM 4008 MWS BOUNDARY TO 4009 MWS BOUNDARY						

PASCAGOULA RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
SOWASHEE CREEK	400811	400811	Aquatic Life Support	02/27/12	Not Attaining	5
LOCATION: AT MERIDIAN FROM HEADWATERS TO CONFLUENCE WITH UNNAMED TRIB AT MWS 4237 BOUNDARY						
SOWASHEE CREEK	400911	400911	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: FROM CONFLUENCE WITH UNNAMED TRIB AT MWS 4237 BOUNDARY TO CONFLUENCE WITH OKATIBBEE CREEK						
STATION CREEK	425112	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT OAKEY WOODS CREEK						
TALLABOGUE CREEK	424611	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT LEAF RIVER						
TALLAHALA CREEK	415511	N/A	Aquatic Life Support	01/23/14	Not Attaining	5
LOCATION: FROM CONFLUENCE WITH COURTNEY CREEK TO MWS 4156 BOUNDARY						
TALLAHATTA CREEK	402411	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO 4025 MWS BOUNDARY						
TALLAHOMA CREEK	412911	412911	Aquatic Life Support	12/01/09	Not Attaining	5
LOCATION: FROM CONFLUENCE WITH HORSE CREEK TO CONFLUENCE WITH TALLAHALA CREEK						

PASCAGOULA RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
TALLAHOMA CREEK	412511	412511	Aquatic Life Support	12/01/09	Not Attaining	5
LOCATION: NEAR LAUREL FROM CONFLUENCE WITH PINEY BRANCH TO MWS 4127 BOUNDARY						
TALLAHOMA CREEK	412711	412711	Aquatic Life Support	02/21/12	Not Attaining	5
LOCATION: FROM MWS 4125 BOUNDARY TO CONFLUENCE WITH TERRAPIN CREEK						
TALLAHOMA CREEK	412811	412811	Aquatic Life Support	12/01/09	Not Attaining	5
LOCATION: FROM CONFLUENCE WITH TERRAPIN CREEK TO CONFLUENCE WITH HORSE CREEK						
TALLASHUA CREEK	401412	401412	Aquatic Life Support	01/16/14	Not Attaining	5
LOCATION: TALLASHUA CREEK FROM MWS 4012 BOUNDARY TO CONFLUENCE WITH LITTLE ROCK CREEK						
TALLASHUA CREEK	401211	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH MURPHY BRANCH						
TENMILE CREEK	420312	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT RED CREEK						
TERRIBLE CREEK	411311	411311	Aquatic Life Support	01/10/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT BOUIE RIVER						

PASCAGOULA RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
TIGER CREEK	414512	414512	Aquatic Life Support	01/10/14	Not Attaining	5
LOCATION: FROM MWS 4144 BOUNDARY TO MOUTH AT BOGUE HOMO						
TURKEY CREEK	407611	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: TURKEY CREEK FROM HEADWATERS TO MOUTH AT BYRD CREEK						
TWISTWOOD CREEK	423811	N/A	Aquatic Life Support	12/20/13	Not Attaining	5
LOCATION: FROM CONFLUENCE OF NORTH AND SOUTH TWISTWOOD CREEK TO MOUTH AT SOUINLOVIE CREEK						
UNNAMED TRIBUTARY TO OAKOHAY CREEK	409014	409014	Aquatic Life Support	01/16/14	Not Attaining	5
LOCATION: UNNAMED TRIBUTARY TO OAKOHAY CREEK FROM HEADWATERS TO MOUTH AT OAKOHAY CREEK						
WEST BOUIE CREEK	411212	411212	Aquatic Life Support	01/16/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT BOUIE RIVER						
WEST LITTLE THOMPSON CREEK	415112	MS093T1E	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT THOMPSON CREEK						
WHISKEY CREEK	417011	MS097E	Aquatic Life Support	01/10/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HEADWATER TO MWS 4171 BOUNDARY						

PASCAGOULA RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
WHITE CREEK	425611	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT PASCAGOULA RIVER						
YELLOW CREEK	406011	N/A	Aquatic Life Support	03/19/14	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH CHICKASAWHAY RIVER						

PEARL RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
ASHLOG CREEK	508313	N/A	Aquatic Life Support	01/16/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT PELAHATCHIE CREEK						
BAHALA CREEK	513911	513911	Aquatic Life Support	12/01/09	Not Attaining	5
LOCATION: FROM CONFLUENCE WITH RUSSEL CREEK TO CONFLUENCE WITH LITTLE BAHALA						
BAHALA CREEK	514111	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: BAHALA CREK FROM CONFLUENCE WITH LITTLE BAHALA CREEK TO MOUTH AT PEARL RIVER						
BEAR CREEK	514611	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: BEAR CREEK FROM HEADWATERS TO MOUTH AT FAIR RIVER						
BEAVER CREEK	521413	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR JOHNSTONS STATION FROM OUTFALL OF DIXIE SPRINGS LAKE TO MOUTH AT BOGUE CHITTO RIVER						
BIG BRANCH	519213	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: BIG BRANCH FROM HEADWATERS TO MOUTH AT LITTLE HELL CREEK						
BIG CREEK	513211	N/A	Aquatic Life Support	01/14/14	Not Attaining	5
LOCATION: BIG CREEK FROM MWS 5131 BOUNDARY TO MOUTH AT STRONG RIVER						

PEARL RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
BOGUE CHITTO	521711	MSBGCHTRM4	Primary Contact (Recr)	12/17/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM PIKE/WALTHALL COUNTY LINE TO MWS BOUNDARY 5218						
BOGUE CHITTO	522811	MSBGCHT	Primary Contact (Recr)	12/17/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM MAGEES CREEK TO LA STATE LINE						
BOONE CREEK	521113	N/A	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: BOONE CREEK FROM HEADWATERS TO MOUTH AT BOGUE CHITTO						
BRUSHY CREEK	510911	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: BURSHY CREEK FROM HEADWATERS TO MOUTH AT PEARL RIVER						
CAMPBELL CREEK	512211	MS165CE	Aquatic Life Support	01/09/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HEADWATERS TO MOUTH AT STRONG RIVER						
CANE CREEK	507411	N/A	Aquatic Life Support	01/09/14	Not Attaining, Tmdl Completed	4A
LOCATION: CANE CREEK NEAR GOSHEN SPRINGS FROM HEADWATERS AT RAILROAD TRACKS SOUTH OF HWY 43 TO ROSS BARNETT RESERVOIR FLOOD POOL						
CANEY CREEK	511411	N/A	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: CANEY CREEK FROM HEADWATERS TO MOUTH AT STRONG RIVER						

PEARL RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
CLEAR CREEK	508611	N/A	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: CLEAR CREEK FROM HEADWATERS TO MOUTH AT PELAHATCHIE CREEK						
CLEAR CREEK	517611	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: NEAR SANDY HOOK FROM HEADWATERS TO MOUTH AT PEARL RIVER						
COBBS CREEK	504111	N/A	Aquatic Life Support	01/10/14	Not Attaining	5
LOCATION: COBBS CREEK FROM HEADWATERS TO MOUTH AT LOBUTCHA CREEK						
COFFEE BOGUE	507811	N/A	Aquatic Life Support	01/09/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM 5077 MWS BOUNDARY TO MOUTH AT PEARL RIVER						
COLE CREEK	506111	N/A	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MWS 5059 BOUNDARY						
COON CREEK	503713	N/A	Aquatic Life Support	12/12/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT LOBUTCHA CREEK						
DABBS CREEK	512611	MS167DE	Aquatic Life Support	01/09/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM MWS 5125 BOUNDARY TO MOUTH AT STRONG RIVER						

PEARL RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
EAST FORK GREENS CREEK	515412	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH WEST FORK GREENS CREEK						
FAIR RIVER	514511	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FAIR RIVER FROM CONFLUENCE WITH BEAR CREEK TO CONFLUENCE WITH PEARL RIVER						
FANNEGUSHA CREEK	508111	MS151FE	Aquatic Life Support	01/09/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH ROLLISON CREEK TO MOUTH AT ROSS BARNETT RESERVOIR						
GREENS CREEK	515411	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM CONFLUENCE OF WEST FORK GREENS CREEK AND EAST FORK GREENS CREEK TO MOUTH AT PEARL RIVER						
HALBERT BRANCH	521012	MS187HE	Aquatic Life Support	01/16/14	Not Attaining, Tmdl Completed	4A
LOCATION: AT BROOKHAVEN FROM HEADWATERS TO CONFLUENCE WITH EAST BOGUE CHITTO CREEK						
HALLS CREEK	515011	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: NEAR MONTICELLO FROM HEADWATERS TO MOUTH AT THE PEARL RIVER						
HARPER CREEK	516512	N/A	Aquatic Life Support	12/10/13	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT PEARL RIVER						

PEARL RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
HOLIDAY CREEK	516211	N/A	Aquatic Life Support	12/10/13	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH UNNAMED TRIB AT MWS 5163 BOUNDARY						
HOLIDAY CREEK	516311	516311	Aquatic Life Support	02/16/12	Not Attaining	5
LOCATION: FROM CONFLUENCE WITH UNNAMED TRIBUTARY AT MWS 5162 BOUNDARY TO MOUTH AT PEARL RIVER						
HOLLYBUSH CREEK	508612	N/A	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: HOLLYBUSH CREEK FROM HEADWATERS TO MOUTH AT CLEAR CREEK						
HONTOKALO CREEK	504711	N/A	Aquatic Life Support	01/14/14	Not Attaining	5
LOCATION: NEAR STEEL FROM HEADWATERS TO MOUTH AT LITTLE (SOUTH) CANAL						
INDIAN CREEK	510212	510212	Aquatic Life Support	01/09/14	Not Attaining, Tmdl Completed	4A
LOCATION: NEAR PEARL FROM HEADWATERS TO CONFLUENCE WITH STEEN CREEK						
JAYBIRD CREEK	516011	N/A	Aquatic Life Support	12/10/13	Attaining	2
LOCATION: FROM HEADWARTERS TO MOUTH AT WHITE SAND CREEK						
JOFUSKA CREEK	501911	N/A	Aquatic Life Support	01/14/14	Attaining	2
LOCATION: FROM HEADWATERS TO WETLAND ADJACENT TO THE PEARL RIVER AT MWS BOUNDARY 5027						

PEARL RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
JUMPOFF CREEK	519913	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: JUMPOFF CREEK FROM HEADWATERS TO CONFLUENCE WITH JUNIPER CREEK						
KENNEDY CREEK	519513	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH WEST HOBOLOCHITTO CREEK						
LAND CREEK	500911	N/A	Aquatic Life Support	12/20/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT BOGUE CHITTO						
LIMESTONE CREEK	511011	511011	Aquatic Life Support	02/15/12	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT PEARL RIVER						
LINE CREEK	508312	508312	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT PELAHATCHIE CREEK						
LITTLE BAHALA CREEK	514011	N/A	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: LITTLE BAHALA CREEK FROM HEADWATERS TO MOUTH AT BAHALA CREEK						
LITTLE COPIAH CREEK	513312	513312	Aquatic Life Support	12/12/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT COPIAH CREEK						

PEARL RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
LITTLE HELL CREEK	519212	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT WEST HOBOLOCHITTO CREEK						
LOBUTCHA CREEK	503711	N/A	Aquatic Life Support	01/10/14	Attaining	2
LOCATION: FROM PEELER BRANCH TO MWS 5040 BOUNDARY						
LONG BRANCH	519612	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH WEST HOBOLOCHITTO CREEK						
LOVE CREEK	521713	N/A	Aquatic Life Support	01/16/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT BOGUE CHITTO						
LOWER LITTLE CREEK	517711	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH GULLY CREEK						
LUKFAPA CREEK	502111	N/A	Aquatic Life Support	12/20/13	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT PEARL RIVER						
LYNCH CREEK	509311	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: AT JACKSON FROM HEADWATERS TO THE PEARL RIVER						

PEARL RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
MAGEES CREEK	522611	N/A	Aquatic Life Support	01/09/14	Attaining	2
			Primary Contact (Recr)	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE OF DRY CREEK IN TYLERTOWN TO MOUTH AT BOGUE CHITTO						
MAGEES CREEK	522311	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: MAGEES CREEK FROM HEADWATERS TO MWS BOUNDARY 5224						
MOUNTAIN CREEK	510411	N/A	Aquatic Life Support	01/14/14	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH STEEN CREEK						
NOXAPATER CREEK	501311	MS123NE	Aquatic Life Support	01/10/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH UNNAMED TRIBUTARY NEAR THE BOUNDARY WITH MWS 5014						
OWL CREEK	501111	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR PRESTON FROM HEADWATERS TO THE BOGUE CHITTO RIVER						
PEARL RIVER	510711	510711	Primary Contact (Recr)	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM MWS BOUNDARY 5106 TO CONFLUENCE WITH WEEKS MILL CREEK						
PEARL RIVER	514711	N/A	Primary Contact (Recr)	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH PRETTY BRANCH TO MWS BOUNDARY 5149						

PEARL RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
PEARL RIVER	516511	N/A	Primary Contact (Recr)	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH HOLIDAY CREEK TO MWS BOUNDARY 5166						
PEARL RIVER	508911	N/A	Secondary Contact	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM ROSS BARNETT RESERVOIR TO CONFLUENCE WITH HANGING MOSS CREEK						
PEARL RIVER	502011	N/A	Aquatic Life Support	02/07/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM THE CONFLUENCE OF KENTAWKA CANAL TO THE MWS 5028 BOUNDARY						
PEARL RIVER	503312	MSUPRLRM2	Aquatic Life Support	01/10/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH PELLAPHALIA CREEK TO CONFLUENCE WITH TUSCOLAMETA CREEK						
PEARL RIVER	510011	N/A	Primary Contact (Recr)	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH TRAYHORN CREEK TO CONFLUENCE WITH BIG CREEK						
PEARL RIVER	510012	N/A	Aquatic Life Support	03/10/14	Not Attaining	5
LOCATION: FROM CONFLUENCE OF BIG CREEK TO MWS 5106 BOUNDARY						
PEARL RIVER	509511	N/A	Aquatic Life Support	02/07/14	Not Attaining	5
			Secondary Contact	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONLUENCE WITH CANEY CREEK TO CONFLUENCE WITH TRAHON CREEK						

PEARL RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
PEARL RIVER	509512	N/A	Primary Contact (Recr)	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH RICHLAND CREEK TO CONFLUENCE WITH CANEY CREEK						
PEARL RIVER	520611	N/A	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM MWS 5204 BOUNDARY TO MWS 5207 BOUNDARY						
PEARL RIVER	509111	N/A	Secondary Contact	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH HANGING MOSS CREEK TO MWS 5092 BOUNDARY						
PEARL RIVER	509211	N/A	Secondary Contact	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HWY 25 AT MWS 5092 BOUNDARY TO HWY 80						
PEARL RIVER	518211	N/A	Primary Contact (Recr)	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH BIG CREEK TO MWS BOUNDARY 5184 BELOW HIGHWAY 26						
PEARL RIVER	509312	N/A	Secondary Contact	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HWY 80 TO CONFLUENCE WITH RICHLAND CREEK						
PELAHATCHIE CREEK EMBAYMENT ROSS BARNETT RESERVOIR	508812	N/A	Aquatic Life Support	03/27/14	Attaining	2
LOCATION: PELAHATCHIE CREEK EMBAYMENT OF THE ROSS BARNETT RESERVOIR, RANKIN COUNTY						

PEARL RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
PICKENS CREEK	504112	N/A	Aquatic Life Support	12/12/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT COBBS CREEK						
PRETTY BRANCH	514811	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: NEAR FERGUSON FROM HEADWATERS TO THE PEARL RIVER						
PRICE CREEK	519512	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH WEST HOBOLOCHITTO CREEK						
PURVIS CREEK	511711	N/A	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: PURVIS CREEK FROM HEADWATERS TO MOUTH AT STRONG RIVER						
PUSHEPATAPA CREEK	518511	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO LA STATE LINE						
RASPBERRY CREEK	511611	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: RASPBERRY CREEK FROM HEADWATERS TO MOUTH AT STRONG RIVER						
RAWLS CREEK	517311	N/A	Aquatic Life Support	12/12/13	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT RAWLS BAY IN PEARL RIVER FLOODPLAIN						

PEARL RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
RIALS CREEK	512712	512712	Aquatic Life Support	02/15/12	Not Attaining	5
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH SIMMONS BRANCH						
ROSS BARNETT RESERVOIR	507511	N/A	Aquatic Life Support	03/27/14	Attaining	2
LOCATION: ROSS BARNETT RESERVOIR AT JACKSON, MS						
ROSS BARNETT RESERVOIR	507412	N/A	Aquatic Life Support	03/27/14	Attaining	2
LOCATION: ROSS BARNETT RESERVOIR AT JACKSON, MS						
RUSSELL CREEK	513812	N/A	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT BAHALA CREEK						
SHIOLA CREEK	507111	N/A	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: SHIOLA CREEK FROM HEADWATERS TO MWS 5070 BOUNDARY						
SILVER CREEK	521812	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT BOGUE CHITTO						
STEEL CREEK	513511	N/A	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT THE PEARL RIVER						

PEARL RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
STEEN CREEK	510311	N/A	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: STEEN CREEK FROM MWS 5102 BOUNDARY TO MOUTH AT PEARL RIVER						
STRONG RIVER	512911	N/A	Primary Contact (Recr)	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM 5124 MWS BOUNDARY TO MOUTH AT PEARL RIVER						
STRONG RIVER	511911	N/A	Aquatic Life Support	02/07/14	Not Attaining	5
LOCATION: NEAR D'LO FROM MWS 5115 BOUNDARY TO MWS 5124 BOUNDARY						
SUGAR BOGUE	507612	507612	Aquatic Life Support	02/14/12	Not Attaining	5
LOCATION: NEAR FORKVILLE FROM HEADWATERS TO MOUTH AT COFFEE BOGUE						
TENMILE CREEK	517211	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT PEARL RIVER						
TIBBY CREEK	505811	N/A	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: FROM CONFLUENCE W/ROBINSON BR TO 5056 MWS BOUNDARY						
TOPISAW CREEK	522211	N/A	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: TOPISAW CREEK FROM 5219 MWS BOUNDARY TO CONFLUENCE AT BOGUE CHITTO						

PEARL RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
TOWN CREEK	503211	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: AT CARTHAGE FROM HEADWATERS TO THE PEARL RIVER						
TUMBALOO CREEK	509711	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH RICHLAND CREEK						
TURTLE SKIN CREEK	520511	N/A	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: NEAR SANTA ROSA FROM HEADWATERS TO CONFLUENCE WITH MIKES RIVER						
TUSCOLAMETA CREEK	505111	N/A	Aquatic Life Support	01/10/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HEADWATERS AT MWS 5046 BOUNDARY TO MOUTH AT PEARL RIVER						
UNNAMED TRIB TO HOLIDAY CREEK	516212	N/A	Aquatic Life Support	12/10/13	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT HOLIDAY CREEK						
UNNAMED TRIBUTARY TO CLEAR CREEK	521513	521513	Aquatic Life Support	12/01/09	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT CLEAR CREEK						
UNNAMED TRIBUTARY TO TALLAHAGA CREEK	500712	500712	Aquatic Life Support	12/02/09	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT TALLAHAGA CREEK						

PEARL RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
UPPER LITTLE CREEK	517011	517011	Aquatic Life Support	02/16/12	Not Attaining	5
LOCATION: FROM CONFLUENCE WITH GRAVES CREEK TO MOUTH AT PEARL RIVER						
UPPER LITTLE CREEK	516911	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM 5168 MWS BOUNDARY TO 5170 MWS BOUNDARY						
UPPER LOBUTCHA CREEK	503511	N/A	Aquatic Life Support	01/10/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM 5034 MWS BOUNDARY TO 5036 MWS BOUNDARY						
UPPER LOBUTCHA CREEK	503611	N/A	Aquatic Life Support	01/16/14	Attaining	2
LOCATION: FROM 5035 MWS BOUNDARY TO 5037 MWS BOUNDARY						
WEST FORK GREENS CREEK	515413	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH EAST FORK GREENS CREEK						
WEST FORK PUSHEPATAPA CREEK	522711	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO LA STATE LINE						
WHITE SAND CREEK	516111	516111	Aquatic Life Support	12/10/13	Attaining	2
LOCATION: FROM CONFLUENCE WITH LITTLE WHITE SAND CREEK (JAYBIRD CREEK) TO MOUTH AT PEARL RIVER						

PEARL RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
YOCKANOOKANY RIVER	505911	N/A	Aquatic Life Support	01/14/14	Attaining	2
LOCATION: FROM CONFLUENCE OF UNNAMED TRIB AT MCCOOL TO MWS BOUNDARY 5062						
YOCKANOOKANY RIVER	506811	MS147E	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: NEAR THOMASTOWN FROM MWS BOUNDARY 5067 TO MWS BOUNDARY 5069						

SOUTH INDEPENDENT STREAMS						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
BAYOU PIERRE	601611	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: BAYOU PIERRE FROM CONFLUENCE WITH TURKEY CREEK TO CONFLUENCE WITH WHITE OAK CREEK						
BAYOU PIERRE	603311	MS450E	Aquatic Life Support	01/09/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM BARLAND CREEK TO MOUTH AT BAYOU PIERRE NEAR PORT GIBSON						
BAYOU PIERRE	602812	N/A	Aquatic Life Support	03/10/14	Not Attaining	5
LOCATION: FROM CONFLUENCE WITH STORM CREEK TO CONFLUENCE WITH UNNAMED TRIBUTARY TO BAYOU PIERRE AT MWS 6029						
BAYOU PIERRE	604111	604111	Primary Contact (Recr)	12/17/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH LITTLE BAYOU PIERRE TO CONFLUENCE WITH WIDOWS						
BAYOU PIERRE	602711	602711	Primary Contact (Recr)	12/17/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH WHITE OAK CREEK TO CONFLUENCE WITH STORM CREEK						
BAYOU PIERRE	601111	MS446BE	Aquatic Life Support	01/09/14	Not Attaining, Tmdl Completed	4A
			Primary Contact (Recr)	02/05/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE OF BRUSHY CREEK TO CONFLUENCE OF TURKEY CREEK						
BAYOU SARA	610911	610911	Aquatic Life Support	12/04/09	Not Attaining	5
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH DUNBAR CREEK						

SOUTH INDEPENDENT STREAMS						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
BEAR CREEK	610514	610514	Aquatic Life Support	01/16/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT BUFFALO RIVER						
BIG PINEY CREEK	610211	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT BUFFALO RIVER						
BOLLS CREEK	604611	604611	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH NORTH FORK COLES CREEK						
BROWNS CREEK	609612	N/A	Aquatic Life Support	12/11/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT BUFFALO RIVER						
BRUSHY CREEK	607711	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: BRUSHY CREEK FROM HEADWATERS TO MOUTH AT HOMOCHITTO RIVER						
BRUSHY CREEK	601011	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS AT CONFLUENCE WITH THOMPSON CREEK TO MOUTH AT BAYOU PIERRE						
BRUSHY CREEK	607012	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT MIDDLE FORK HOMOCHITTO RIVER						

SOUTH INDEPENDENT STREAMS						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
BUFFALO RIVER	610111	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM MWS BOUNDARY 6098 TO MWS BOUNDARY 6104						
CARS CREEK	612112	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR LIBERTY FROM HEADWATERS TO MOUTH AT EAST FORK AMITE RIVER						
CLARKS CREEK	604011	604011	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: FROM CONFLUENCE WITH BUCKINS CREEK AT MWS 6039 BOUNDARY TO MOUTH AT BARLAND CREEK						
COMITE CREEK	613211	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR CENTREVILLE FROM HEADWATERS TO MOUTH AT LOUISIANA STATE LINE						
CROOKED CREEK	609011	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT HOMOCHITTO RIVER						
DAYS CREEK	612312	N/A	Aquatic Life Support	12/11/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT WEST FORK AMITE RIVER						
DOWD CREEK	600211	MS452E	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: FORM HEADWATERS TO MOUTH AT RODNEY LAKE						

SOUTH INDEPENDENT STREAMS						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
DRY BAYOU	608611	N/A	Aquatic Life Support	12/20/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT CANEY BRANCH						
DRY CREEK	608211	608211	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT HOMOCHITTO						
DRY CREEK	608111	608111	Aquatic Life Support	02/13/12	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT HOMOCHITTO RIVER						
EAST FORK AMITE RIVER	612111	N/A	Primary Contact (Recr)	12/18/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM MWS BOUNDARY 6120 TO LOUISIANA STATE LINE						
EAST FORK AMITE RIVER	611611	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE OF PUMPKIN PATCH CREEK						
FOLKES CREEK	605011	605011	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: FROM CONFLUENCE OF STAMPLEY CREEK AND COMPTON CREEK TO MOUTH AT SOUTH FORK COLES CREEK						
FOSTER CREEK	601711	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FOSTER CREEK FROM HEADWATERS TO CONFLUENCE WITH JACKSON CREEK						

SOUTH INDEPENDENT STREAMS						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
GARRET CREEK	603811	603811	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT FOSTER CREEK						
HATCHER BAYOU	690411	690411	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: FROM MWS 6902 TO MOUTH AT HENNESEYS BAYOU						
HOMINY CREEK	611911	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO 6120 MWS BOUNDARY						
HOMOCHITTO RIVER	607812	N/A	Aquatic Life Support	02/10/14	Attaining	2
LOCATION: FROM THE MWS 6074 BOUNDARY TO THE CONFLUENCE WITH DRY CREEK						
HOMOCHITTO RIVER	606111	N/A	Primary Contact (Recr)	12/18/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM MWS 6059 BOUNDARY TO MWS6074 BOUNDARY						
HUGHES CREEK	603911	603911	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT CLARKS CREEK						
LAKE MARY	610412	N/A	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: IN ADAMS AND WILKENSON COUNTIES						

SOUTH INDEPENDENT STREAMS						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
LAKE MARY	610513	N/A	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: IN ADAMS AND WILKENSON COUNTIES						
LAKE MARY	690711	N/A	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: IN ADAMS AND WILKENSON COUNTIES						
LITTLE BAYOU PIERRE	603211	MS450E	Aquatic Life Support	01/09/14	Attaining	2
			Primary Contact (Recr)	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM MWS BOUNDARY 6031 TO CONFLUENCE WITH BARLAND CREEK AT MWS 6033 BOUNDARY						
LITTLE BEAVER CREEK	612912	N/A	Aquatic Life Support	01/17/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT BEAVER CREEK						
LITTLE BUFFALO RIVER	609711	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT BUFFALO RIVER						
LONG CREEK	601311	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: LONG CREEK FROM HEADWATERS TO MOUTH AT BAYOU PIERRE						
MCCALL CREEK	606411	N/A	Aquatic Life Support	12/12/13	Attaining	2
LOCATION: FROM CONFLUENCE OF BLUE CREEK TO CONFLUENCE OF HURRICANE CREEK						

SOUTH INDEPENDENT STREAMS						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
MCCALL CREEK	606611	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM CONFLUENCE OF HURRICANE CREEK TO MOUTH AT HOMOCHITTO RIVER						
MIDDLE FORK HOMOCHITTO RIVER	607211	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: RIVER FROM CONFLUENCE OF CAMERON CREEK TO MOUTH AT HOMOCHITTO RIVER						
MIDDLE FORK THOMPSON CREEK	611511	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO LA STATE LINE						
MUD ISLAND CREEK	604811	604811	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: FROM CONFLUENCE WITH FAIRCHILDS CREEK TO CONFLUENCE WITH NORTH FORK COLES CREEK						
MUDDY BAYOU	600212	600212	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: NEAR ALCORN FROM IMPOUNDMENT IN HEADWATERS TO MOUTH AT DOWD CREEK						
NORTH DRY CREEK	606112	N/A	Aquatic Life Support	12/12/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT HOMOCHITTO RIVER						
NORTH FORK COLES CREEK	604711	604711	Aquatic Life Support	12/02/09	Not Attaining	5
LOCATION: FROM MWS BOUNDARY 6045 TO MOUTH AT COLES CREEK						

SOUTH INDEPENDENT STREAMS						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
NORTH FORK COLES CREEK	604411	604411	Aquatic Life Support	12/02/09	Not Attaining	5
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 6045						
NORTH FORK COLES CREEK	604511	604511	Aquatic Life Support	02/10/12	Not Attaining	5
LOCATION: FROM MWS BOUNDARY 6044 TO MWS BOUNDARY 6047						
PACES BAYOU	690311	690311	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: FROM CONFLUENCE WITH REDBONE CREEK TO MOUTH AT HENNESSEYS BAYOU						
PERCY CREEK	610611	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT BUFFALO RIVER						
PICKNEYVILLE CREEK	611211	N/A	Aquatic Life Support	12/11/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT LITTLE BAYOU SARA						
PRETTY CREEK	608311	608311	Aquatic Life Support	01/09/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HEADWATERS TO MOUTH AT HOMOCHITTO RIVER						
RICHARDSON CREEK	607911	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT HOMOCHITTO RIVER						

SOUTH INDEPENDENT STREAMS						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
ROBINSON CREEK	611812	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT EAST FORK AMITE RIVER						
SANDY CREEK	608811	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM CONFLUENCE OF SWAFFORD CREEK TO MOUTH AT HOMOCHITTO CREEK						
ST CATHERINE CREEK	600511	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: AT NATCHEZ FROM HEADWATERS TO CONFLUENCE OF MELVIN BAYOU						
ST CATHERINE CREEK	600611	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: AT NATCHEZ FROM CONFLUENCE OF MELVIN BAYOU TO MOUTH AT MISSISSIPPI RIVER						
STAFFORD CREEK	613212	613212	Aquatic Life Support	12/04/09	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT COMITE CREEK						
STORM CREEK	602811	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR CARLISLE FROM HEADWATERS TO MOUTH AT BAYOU PIERRE						
TALLAHALLA CREEK	602411	MS448E	Aquatic Life Support	01/09/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH LITTLE TALLAHALLA CREEK						

SOUTH INDEPENDENT STREAMS						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
TALLAHALLA CREEK	602611	MS448E	Aquatic Life Support	01/09/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH LITTLE TALLAHALLA CREEK TO MOUTH AT WHITE OAK						
TANGIPAHOA RIVER	613811	N/A	Aquatic Life Support	02/10/14	Attaining	2
LOCATION: FROM CONFLUENCE WITH THE LITTLE TANGIPAHOA RIVER TO THE MS/LA STATE LINE						
TERRYS CREEK	614211	614211	Aquatic Life Support	02/14/12	Not Attaining	5
LOCATION: FROM HEADWATERS TO MS/LA STATE BOUNDARY						
THOMPSON CREEK	611311	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS NEAR CENTERVILLE TO LA STATE LINE						
TURKEY CREEK	601411	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: TURKEY CREEK FROM HEADWATERS TO MOUTH AT BAYOU PIERRE						
WEST FORK AMITE RIVER	612511	N/A	Primary Contact (Recr)	12/19/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM MWS BOUNDARY 6124 TO LA STATE LINE						
WEST FORK THOMPSON CREEK	611411	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO LA STATE LINE						

SOUTH INDEPENDENT STREAMS						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
WHITE CREEK	610612	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT PERCY CREEK						
WHITE OAK CREEK	602211	MS447E	Aquatic Life Support	01/09/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE OF LITTLE WHITE OAK CREEK TO CONFLUENCE WITH TALLAHALLA CREEK						
WHITES CREEK	609311	MS469WE	Aquatic Life Support	01/17/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HEADWATERS TO MOUTH AT SECOND CREEK						
WIDOWS CREEK	604112	N/A	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT BAYOU PIERRE						
WILLIS CREEK	603411	N/A	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MWS 6035 BOUNDARY						
ZEIGLER CREEK	607811	N/A	Aquatic Life Support	01/09/14	Not Attaining	5
LOCATION: ZEIGLER CREEK FROM HEADWATERS TO MOUTH AT HOMOCHITTO RIVER						

TENNESSEE RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
CANEY CREEK	700312	N/A	Aquatic Life Support	12/20/13	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH LEICH MILL BRANCH						
CHAMBERS CREEK	701811	N/A	Aquatic Life Support	12/20/13	Attaining	2
LOCATION: CHAMBERS CREEK FROM TN STATE LINE TO TN STATE LINE						
CRIPPLE DEER CREEK	701411	701411	Aquatic Life Support	12/20/13	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH LITTLE CRIPPLE DEER CREEK						
HOLLY BRANCH	701211	N/A	Aquatic Life Support	12/20/13	Attaining	2
LOCATION: NEAR IUKA FROM HEADWATERS TO MOUTH AT CEDAR CREEK						
INDIAN CREEK	700711	N/A	Aquatic Life Support	12/20/13	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT PICKWICK						
LEITCH MILL BRANCH	700314	N/A	Aquatic Life Support	12/10/13	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH CANEY CREEK						
LITTLE CRIPPLE DEER CREEK	701412	N/A	Aquatic Life Support	12/20/13	Not Attaining	5
LOCATION: NEAR TISHOMINGO FROM HEADWATERS TO MOUTH AT CRIPPLE DEER CREEK						

TENNESSEE RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
LITTLE YELLOW CREEK LOCATION: FROM HEADWATERS TO CONFLUENCE WITH CANEY CREEK	701911	N/A	Aquatic Life Support	12/20/13	Attaining	2
PENNYWINKLE CREEK LOCATION: FROM HEADWATERS TO ALABAMA STATE LINE	701511	N/A	Aquatic Life Support	12/20/13	Not Attaining	5

TOMBIGBEE RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
ALAMUCHEE CREEK	818411	818411	Aquatic Life Support	02/14/12	Not Attaining	5
LOCATION: FROM LITTLE ALMUCHEE CREEK TO ALABAMA STATE LINE						
ALAMUCHEE CREEK	818311	818311	Aquatic Life Support	12/04/09	Not Attaining	5
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH LITTLE ALAMUCHEE CREEK						
ASH CREEK	816012	816012	Aquatic Life Support	02/14/12	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT NOXUBEE RIVER						
BAY SPRINGS LAKE	800111	N/A	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: RESERVOIR OF THE UPPER TENN-TOM WATERWAY, TISHIAMINGO COUNTY						
BAY SPRINGS LAKE	800112	N/A	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: RESERVOIR OF THE UPPER TENN TOM WATERWAY IN TISHAMINGO COUNTY						
BIG REED CREEK	817811	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: BIG REED CREEK FROM HEADWATERS TO MOUTH AT PONTA CREEK						
BOGUEFALA CREEK	819211	N/A	Aquatic Life Support	12/11/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH GREENWOOD CREEK						

TOMBIGBEE RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
BOGUEGABA CREEK	802711	N/A	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: BOGUEGABA CREEK FROM HEADWATERS TO MOUTH AT BOGUEFALA CREEK						
BRIAR CREEK	802212	N/A	Aquatic Life Support	12/11/13	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT BULL MOUNTAIN CREEK						
BROWNING CREEK	812913	812913	Aquatic Life Support	02/14/12	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT NOXUBEE RIVER						
BUTTAHATCHEE RIVER	806711	N/A	Aquatic Life Support	01/23/14	Not Attaining	5
			Secondary Contact	12/18/13	Attaining	2
LOCATION: FROM CONFLUENCE WITH SIPSEY CREEK TO MWS 8068 BOUNDARY						
CANE CREEK	807411	807411	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT HOULKA CREEK						
CATALPA CREEK	809011	MS025E	Aquatic Life Support	01/08/14	Not Attaining, Tmdl Completed	4A
LOCATION: CATALPA CREEK FROM HEADWATERS TO 8092 MWS BOUNDARY						
CEDAR CREEK	810711	MS031CE	Aquatic Life Support	01/08/14	Not Attaining, Tmdl Completed	4A
LOCATION: CEDAR CREEK FROM HEADWATERS TO MOUTH AT ALICEVILLE POOL ON TENN-TOM WATERWAY						

TOMBIGBEE RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
CHICO CREEK	820912	820912	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: NEAR HOUSTON FROM HEADWATERS TO MOUTH AT HOULKA CREEK						
CHINCHAHOMA CREEK	812811	812811	Aquatic Life Support	02/05/10	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT NOXUBEE RIVER						
CHIWAPA CREEK	805512	N/A	Aquatic Life Support	01/08/14	Not Attaining, Tmdl Not Applicable	4C
LOCATION: CHIWAPA CREEK FROM 8054 MWS BOUNDARY TO CONFLUENCE WITH MUBBY CREEK						
CHUBBY CREEK	801911	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT GUM CREEK						
CHUQUATONCHEE CREEK	807011	MS020CE	Aquatic Life Support	01/08/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM MWS 8069 BOUNDARY TO MWS 8208 BOUNDARY						
CHUQUATONCHEE CREEK	807111	MS020CE	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: FROM MWS 8208 BOUNDARY AT DICKS CREEK TO MWS 8072 BOUNDARY						
COLUMBUS LAKE	809313	N/A	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: COLUMBUS LAKE LOWNDES COUNTY						

TOMBIGBEE RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
COLUMBUS LAKE	804314	N/A	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: LOWNDES COUNTY						
COONEWAH CREEK	805311	805311	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: FROM CONFLUENCE WITH LITTLE COONEWAH CREEK TO MOUTH AT TOWN CREEK						
COOPER CREEK	809913	N/A	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: NEAR STEEN FROM CONFLUENCE OF MAYHEW CREEK TO CONFLUENCE WITH YELLOW CREEK						
DONIVAN CREEK	800811	MS003DE	Aquatic Life Support	12/20/13	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HEADWATERS TO MOUTH AT TOMBIGBEE RIVER						
FULLER CREEK	804112	N/A	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: FULLER CREEK FROM HEADWATERS TO MOUTH AT TOWN CREEK						
GREENWOOD CREEK	802611	802611	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT BOGUEFALA CREEK						
GUM CREEK	801913	N/A	Aquatic Life Support	12/11/13	Attaining	2
LOCATION: FROM ALABAMA STATE LINE TO CONFLUENCE WITH CHUBBY CREEK AT MWS8020 BOUNDARY						

TOMBIGBEE RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
GUM CREEK	802011	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: FROM 8019 MWS BOUNDARY TO CONFLUENCE WITH CYPRESS CREEK						
HANG KETTLE CREEK	804212	MS011E	Aquatic Life Support	01/08/14	Not Attaining, Tmdl Completed	4A
LOCATION: HANG KETTLE CREEK FROM HEADWATERS TO CONFLUENCE WITH TOWN CREEK						
HOLLIS CREEK	812211	812211	Aquatic Life Support	02/14/12	Not Attaining	5
LOCATION: NEAR STARKVILLE FROM HEADWATERS TO MOUTH AT NOXUBEE RIVER						
HOULKA CREEK	820911	MS021EE	Aquatic Life Support	01/08/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM MWYS 8075 TO CONFLUENCE WITH CANE CREEK						
JAMES CREEK	803711	MS009JE	Aquatic Life Support	01/08/14	Not Attaining, Tmdl Completed	4A
LOCATION: JAMES CREEK FROM HEADWATERS TO MOUTH AT TOMBIGBEE RIVER						
LEEPER CREEK	805112	805112	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT TOWN CREEK						
LITTLE BROWN CREEK	800611	800611	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: NEAR MARIETTA FROM HEADWATERS TO MWS 8007 BOUNDARY						

TOMBIGBEE RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
LITTLE BROWN CREEK	800712	800712	Aquatic Life Support	12/09/09	Not Attaining	5
LOCATION: FROM MWS 8006 TO CONFLUENCE WITH BIG BROWN CREEK						
LONG BRANCH	808512	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR STARKVILLE FROM HEADWATERS TO TRIM CANE CREEK						
LONG BRANCH	808312	N/A	Aquatic Life Support	12/12/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT LINE CREEK						
LONG CREEK	807612	807612	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT HOULKA CREEK						
LUXAPALLILA CREEK	821611	N/A	Aquatic Life Support	01/23/14	Not Attaining	5
LOCATION: FROM MWS 8094 BOUNDARY NEAR MS/AL STATE LINE TO MWS 8099 BOUNDARY						
MACEDONIA CREEK	814211	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: FROM CONFLUENCE WITH RUNNING WATER CREEK TO MOUTH AT NOXUBEE RIVER						
MANTACHIE CREEK	801611	N/A	Aquatic Life Support	12/12/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO HWY 371						

TOMBIGBEE RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
MARTIN CREEK	818712	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH BIG BROWN CREEK						
MCCRARY CREEK	810111	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: MCCRARY CREEK FROM AL STATE LINE TO MOUTH AT LUXAPALILLA CREEK						
MCKINLEY CREEK	804011	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: FROM 8039 MWS TO MCKINLEY CREEK TO MOUTH OF MCKINLEY CREEK AT TOMBIGBEE RIVER						
MILL CREEK	811911	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: MILL CREEK FROM HEADWATERS TO MOUTH AT NOXUBEE RIVER						
MOORE CREEK	819611	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: AT COLUMBUS FROM HEADWATERS TO THE TOMBIGBEE RIVER						
NICHOLS CREEK	803611	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH TOMBIGBEE RIVER						
NOXUBEE RIVER	811811	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: NOXUBEE RIVER FROM HEADWATERS AT LAKE CHOCTAW TO 8119 MWS BOUNDARY						

TOMBIGBEE RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
OAK SLUSH CREEK	819612	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR COLUMBUS FROM HEADWATERS TO THE TEN-TOM WATERWAY						
OKEELALA CREEK	801011	801011	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT TWENTYMILE CREEK						
OSBORNE CREEK	800912	800912	Aquatic Life Support	01/21/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT TWENTYMILE CREEK						
PANTHER CREEK	802012	N/A	Aquatic Life Support	12/11/13	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT GUM CREEK						
PAWTICFAW CREEK	817411	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: FROM 8172 MWS BOUNDARY MOUTH AT SURCARNOOCHEE RIVER						
PLUM CREEK	814411	MS042E	Aquatic Life Support	01/08/14	Not Attaining, Tmdl Completed	4A
LOCATION: NEAR MACON FROM HEADWATERS TO MOUTH AT NOXUBEE RIVER						
PUNCHEON CREEK	801613	N/A	Aquatic Life Support	12/10/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT MANTACHIE CREEK						

TOMBIGBEE RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
RAY BRANCH	801912	N/A	Aquatic Life Support	12/11/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT GUM CREEK						
RED BUD CREEK	800312	800312	Aquatic Life Support	01/09/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT TENNESSEE-TOMBIGBEE WATERWAY						
ROCK CREEK	800211	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR BELMONT FROM HEADWATERS TO THE TEN-TOM WATERWAY						
SAND CREEK	801612	N/A	Aquatic Life Support	12/10/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT MANTACHIE CREEK						
SAND CREEK	804811	804811	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT MUD CREEK						
SHAW CREEK	812313	812313	Aquatic Life Support	02/14/12	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT NOXUBEE RIVER						
SHOTBAG CREEK	813012	813012	Aquatic Life Support	02/14/12	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT NOXUBEE RIVER						

TOMBIGBEE RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
SHY HAMMOCK CREEK	815711	MS045E	Aquatic Life Support	01/08/14	Not Attaining, Tmdl Completed	4A
LOCATION: NEAR GILES FROM HEADWATERS TO PUSHACOONA CREEK						
SMITH CREEK	802411	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: NEAR TENN. FROM HEADWATERS TO CONFLUENCE WITH JIM'S CREEK						
SOUTH BRANCH MAGOWAH CREEK	810511	N/A	Aquatic Life Support	01/08/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH NORTH BRANCH OF MAGOWAH CREEK						
SPRING CREEK	804213	804213	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: NEAR VINTON FROM HEADWATERS TO CONFLUENCE WITH HANG KETTLE CREEK						
SPRING CREEK	809312	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR WESTPOINT FROM HEADWATERS TO TEN-TOM WATERWAY						
STANDING REED CREEK	808011	808011	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT LITTLE CANE CREEK						
STINSON CREEK	804313	MS012E	Aquatic Life Support	01/08/14	Not Attaining, Tmdl Completed	4A
LOCATION: AT COLUMBUS AIRFORCE BASE FROM HEADWATERS TO COLUMBUS LAKE						

TOMBIGBEE RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
TALLABINNELA CREEK	805711	MS015TE	Aquatic Life Support	01/08/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH BALLS BRANCH TO CONFLUENCE WITH CHIWAPA CREEK						
TALLABINNELA CREEK	819911	MS015TE	Aquatic Life Support	01/08/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH BALLS BRANCH						
TOWN CREEK	820211	N/A	Aquatic Life Support	03/10/14	Not Attaining	5
LOCATION: FROM THE MWS 8201 BOUNDARY TO THE CONFLUENCE WITH SHOAL CREEK						
TOWN CREEK	808912	N/A	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: TOWN CREEK NEAR WEST POINT FROM HEADWATERS TO MOUTH AT TIBBEE CREEK						
TOWN CREEK	805111	MS013TE	Aquatic Life Support	01/08/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH TUILIP CREEK TO CONFLUENCE WITH COONEWAH CREEK						
TULIP CREEK	804912	N/A	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: TULIP CREEK FROM HEADWATERS TO MOUTH AT TOWN CREEK						
TWENTYMILE CREEK	801111	MS003TE2E	Aquatic Life Support	01/08/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM 8009 MWS BOUNDARY TO 8012 MWS BOUNDARY						

TOMBIGBEE RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
UNNAMED TRIBUTARY TO CATALPA CREEK	809012	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR STEPHENS FROM HEADWATERS TO MOUTH AT CATAWPA CREEK						
UNNAMED TRIBUTARY TO GILMER CREEK	810412	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR ARTESIA FROM HEADWATERS TO MOUTH AT GILMER CREEK						
WEAVER CREEK	802911	N/A	Aquatic Life Support	03/19/14	Attaining	2
LOCATION: NEAR BECKER FROM HEADWATERS TO MOUTH AT TENN TOM WATERWAY						
WESSON BRANCH	800612	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: WESSON BRANCH FROM HEADWATERS TO MOUTH AT LITTLE BROWN CREEK						
WET WATER CREEK	813812	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR BROOKSVILLE FROM HEADWATERS TO NOXUBEE RIVER						
WOLF CREEK	803412	803412	Aquatic Life Support	02/13/12	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT MATTUBBY CREEK						
WOLF CREEK	818811	818811	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT TWENTYMILE CREEK						

TOMBIGBEE RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
WOODWARD CREEK	815411	MS043E	Aquatic Life Support	01/08/14	Not Attaining, Tmdl Completed	4A
LOCATION: WOODWARD CREEK FROM 8153 MWS BOUNDARY TO AL STATE LINE						
YAZOO CREEK	817112	N/A	Aquatic Life Support	12/10/13	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT PAWTICFAW CREEK						
YELLOW CREEK	813211	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR BETHEDEN FROM HEADWATERS TO THE NOXUBEE RIVER						
YONABA CREEK	804511	N/A	Aquatic Life Support	12/12/13	Not Attaining	5
LOCATION: FROM CONFLUENCE OF BRIDGE CREEK TO CONFLUENCE OF TOWN CREEK						

YAZOO RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
ABIACA CREEK	920011	N/A	Aquatic Life Support	01/07/14	Not Attaining	5
LOCATION: FROM CONFLUENCE OF COILA CREEK TO MWS BOUNDARY 9201						
ABIACA CREEK	919711	N/A	Aquatic Life Support	01/06/14	Attaining	2
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9198						
ARKABUTLA CREEK	912311	N/A	Aquatic Life Support	01/07/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HEADWATERS TO MOUTH AT COLDWATER RIVER						
ARKABUTLA LAKE	911013	N/A	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: ARKABUTLA LAKE NEAR COLDWATER						
ARKABUTLA LAKE	911111	N/A	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: DESOTO COUNTY						
ARKABUTLA LAKE	911512	N/A	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: IN DESOTO COUNTY						
ARKABUTLA LAKE	911412	N/A	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: IN DESOTO COUNTY						

YAZOO RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
ASCALMORE CREEK	918411	N/A	Aquatic Life Support	12/20/13	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH SHOOK CREEK						
BEAR BAYOU	951412	951412	Aquatic Life Support	03/30/10	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT QUIVER RIVER						
BEAR CREEK	913812	N/A	Aquatic Life Support	01/07/14	Not Attaining	5
LOCATION: FROM THE HEADWATERS TO MOUTH AT TOPASHAW CREEK CANAL						
BEARTAIL CREEK	909712	909712	Aquatic Life Support	12/09/09	Not Attaining	5
LOCATION: FROM CONFLUENCE WITH UNNAMED TRIBUTARY NEAR MWS BOUNDARY 9096 TO MOUTH AT COLDWATER RIVER						
BEAVER BAYOU	951212	N/A	Aquatic Life Support	03/10/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT MOUND BAYOU						
BEE LAKE	920811	N/A	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: BEE LAKE IN HOLMES COUNTY						
BIG BOGUE	917311	917311	Aquatic Life Support	03/04/10	Not Attaining	5
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH WILKINS CREEK						

YAZOO RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
BIG SPRING CREEK	903511	N/A	Aquatic Life Support	12/20/13	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT TIPPAH RIVER						
BIG SUNFLOWER RIVER	951312	N/A	Aquatic Life Support	03/07/14	Not Attaining, Tmdl Completed	4A
LOCATION: BIG SUNFLOWER RIVER FROM CONFLUENCE OF JONES BAYOU TO CONFLUENCE OF PORTER BAYOU						
BLACK CREEK	921713	921713	Aquatic Life Support	02/21/12	Not Attaining	5
LOCATION: FROM CONFLUENCE WITH TARREY CREEK NEAR MWS 9215 BOUNDARY TO CONFLUENCE WITH HARLAND CREEK						
BLACKWATER CREEK	904111	904111	Aquatic Life Support	01/08/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HEADWATERS TO MOUTH AT SARDIS LAKE						
BLISS CREEK	923411	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR REDWOOD FROM HEADWATERS TO THE YAZOO RIVER						
BOPHUMPA CREEK	921011	N/A	Aquatic Life Support	01/06/14	Attaining	2
LOCATION: FROM HEADWATERS TO MWS 9211 BOUNDARY CONFLUENCE WITH FANNEGUSHA CREEK						
BUTPUTTER CREEK	914511	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR GRENADA FROM HEADWATERS TO THE GRENADA LAKE FLOOD POOL						

YAZOO RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
BYNUM CREEK	907711	N/A	Aquatic Life Support	12/20/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT ENID RESERVOIR						
CANE CREEK	916811	916811	Aquatic Life Support	01/06/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT YALOBUSHA RIVER						
CANE CREEK	900311	N/A	Aquatic Life Support	12/20/13	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH LITTLE TALLAHATCHIE RIVER						
CANE CREEK	911112	MS306E	Aquatic Life Support	01/07/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH ARKABUTLA LAKE						
CHEWALLA LAKE	903211	N/A	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: IN MARSHALL COUNTY						
COILA CREEK	920012	N/A	Aquatic Life Support	01/06/14	Attaining	2
LOCATION: FROM MWS BOUNDARY 9199 TO MOUTH AT ABIACA CREEK						
COWPEN CREEK	915312	915312	Aquatic Life Support	02/21/12	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT SKUNA RIVER						

YAZOO RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
CUFFAWA CREEK	910011	N/A	Aquatic Life Support	01/07/14	Attaining	2
LOCATION: FROM HEADWATERS TO 9099 MWS BOUNDARY						
CYPRESS CREEK	902111	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR ETTA FROM MWS BOUNDARY 9020 TO MWS BOUNDARY 9019						
CYPRESS CREEK	916214	MS337E	Aquatic Life Support	01/06/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH TURKEY CREEK						
DESOTO LAKE	990311	N/A	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: DESOTO LAKE IN COAHOMA COUNTY						
EAGLE LAKE	953312	N/A	Aquatic Life Support	03/10/14	Not Attaining	5
LOCATION: EAGLE LAKE						
ENID LAKE	907612	MS288ELM	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: LAKE FROM MWS BOUNDARY 9075 RO MWS BOUNDARY 9078						
ENID LAKE	907513	MS288ELM	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: LAKE FROM HEADWATERS TO MWS BOUNDARY 9076						

YAZOO RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
ENID LAKE	907911	MS288ELM	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: LAKE FROM MWS BOUNDARY 9078 TO DAM						
ENID LAKE	907811	MS288ELM	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: LAKE FROM MWS BOUNDARY TO MWS BOUNDARY 9076						
FANNEGUSHA CREEK	920911	920911	Aquatic Life Support	01/06/14	Not Attaining	5
LOCATION: FROM HEADWATERS AT CARROLL/HOLMES COUNTY LINE TO MWS BOUNDARY 9211						
FANNEGUSHA CREEK	921111	N/A	Aquatic Life Support	01/06/14	Attaining	2
LOCATION: FROM MWS BOUNDARY 9209 TO MWS BOUNDARY 9212						
FOURMILE BRANCH	907211	907211	Aquatic Life Support	12/07/09	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT YELLOW LEAF CREEK						
GRAHAM MILL CREEK	903812	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT LEE CREEK						
GRENADA LAKE	914514	MS327E	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: UPPER LAKE IN MWS BOUNDARY 9145 NEAR GORE SPRINGS						

YAZOO RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
GRENADA LAKE	914712	MS327E	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: LAKE IN MWS BOUNDARY 9147 NEAR GORE SPRINGS						
GRENADA LAKE	916312	MS327E	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: LAKE IN MWS BOUNDARY 9163 NEAR GRENADA						
GRENADA LAKE	914611	MS327E	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: LOWER/MID LAKE IN MWS BOUNDARY 9146 NEAR GRENADA						
GRENADA LAKE	916212	MS327E	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: LAKE IN MWS BOUNDARY 9162 NEAR COFFEEVILLE						
HICKAHALA CREEK	910511	N/A	Aquatic Life Support	12/20/13	Attaining	2
LOCATION: FROM MWS 9104 TO MOUTH AT SENATOBIA CANAL						
HUBBARD CREEK	918111	918111	Aquatic Life Support	12/07/09	Not Attaining	5
LOCATION: FROM HEADWATERS TO SOUTH LAKE BAYOU						
HUDSON CREEK	904612	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR SARDIS FROM HEADWATERS TO MOUTH AT CLEAR CREEK						

YAZOO RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
HURRICANE CREEK	904211	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT SARDIS LAKE						
JAMES WOLF CREEK	910611	N/A	Aquatic Life Support	12/20/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO 9105 MWS BOUNDARY						
JASPER CREEK	900511	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR NEW ALBANY FROM HEADWATERS TO MOUTH AT LITTLE TALLAHATCHIE RIVER						
JOHNSON CREEK	911811	N/A	Aquatic Life Support	01/07/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HEADWATERS TO MWS 9119 BOUNDARY						
LAKE BEULAH	990411	N/A	Aquatic Life Support	03/27/14	Not Attaining	5
LOCATION: OXBOW LAKE OFF THE MISSISSIPPI RIVER IN BOLIVER COUNTY						
LAKE BOLIVAR	952713	N/A	Aquatic Life Support	03/07/14	Not Attaining, Tmdl Completed	4A
LOCATION: LAKE BOLIVAR						
LAKE LEE	990711	N/A	Aquatic Life Support	03/27/14	Attaining	2
LOCATION: OXBOW OF THE MISSISSIPPI RIVER IN WASHINGTON COUNTY						

YAZOO RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
LITTLE COLDWATER CREEK	909112	909112	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH COLDWATER RIVER						
LITTLE TALLAHATCHIE RIVER	904711	N/A	Primary Contact (Recr)	12/19/13	Attaining	2
LOCATION: FROM SARDIS LOWER LAKE OUTFALL TO MWS BOUNDARY 9048						
LITTLE TALLAHATCHIE RIVER	900111	N/A	Aquatic Life Support	12/20/13	Attaining	2
LOCATION: FROM HEADWATERS TO 9002 MWS						
LITTLE TALLAHATCHIE RIVER	901711	N/A	Aquatic Life Support	02/10/14	Not Attaining	5
LOCATION: FROM CONLUENCE WITH MUD CREEK TO MWS BOUNDARY 9019						
LITTLE TOPASHAW CREEK	913712	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR WOODLAND FROM HEADWATERS TO TOPASAW CREEK						
LOCKES CREEK	901811	N/A	Aquatic Life Support	12/20/13	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT LITTLE TALLAHATCHIE RIVER						
LONG CREEK	908511	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: FROM HEADWATERS FO CONFLUENCE WITH GOODWIN CREEK						

YAZOO RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
LYON CREEK	901111	N/A	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: NEAR PONTOTOC FROM HEADWATERS TO CONFLUENCE WITH LAPPATUBBY CREEK						
MERIDIAN CREEK	913312	913312	Aquatic Life Support	01/07/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT YALOBUSHA RIVER						
MOON LAKE	950611	N/A	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: MOON LAKE IN COHOMA COUNTY						
MUSSACUNNA CREEK	911511	MS306M	Aquatic Life Support	01/07/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HERNANDO SOUTH POTW TO MOUTH AT ARKABUTLA LAKE						
NORTH FORK TILLATOBA CREEK	906611	N/A	Aquatic Life Support	12/20/13	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT TILLATOBA CREEK						
NORTH TIPPAH CREEK	902512	902512	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: NORTH TIPPAH CREEK FROM HEADWATERS TO MOUTH AT TIPPAH RIVER						
OKACHICKIMA CREEK	916211	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR HARDY FROM HEADWATERS TO GRENADA LAKE FLOOD POOL						

YAZOO RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
OKANNATIE CREEK	900911	900911	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: FROM CONFLUENCE OF POPULAR SPRINGS CREEK TO MWS 9010 BOUNDARY						
PECAN BAYOU	951511	N/A	Aquatic Life Support	03/07/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT QUIVER RIVER						
PERRY CREEK	922912	922912	Aquatic Life Support	01/06/14	Not Attaining	5
LOCATION: NEAR OIL CITY FROM HEADWATERS TO MOUTH AT O'NEAL CREEK						
PINEY CREEK	922411	MS366E	Aquatic Life Support	01/06/14	Not Attaining	5
LOCATION: FROM 9223 MWS TO CONFLUENCE WITH YAZOO RIVER						
ROEBUCK LAKE	919112	MS354RLE	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: OXBOW LAKE AT ITTA BENA						
SAND CREEK	900913	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: SAND CREEK FROM HEADWATERS TO MOUTH AT OKANNATIE CREEK						
SENATOBIA CREEK	910711	MS304M1	Aquatic Life Support	01/07/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HEADWATERS TO THE CONFLUENCE WITH MATTIC CREEK						

YAZOO RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
SHELTON CREEK	908411	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR CROWDER FROM HEADWATERS TO THE YOCONA RIVER						
SHORT CREEK	922711	MS368E	Aquatic Life Support	01/06/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HEADWATERS TO MOUTH AT YAZOO RIVER						
SHORT FORK CREEK	909413	N/A	Aquatic Life Support	01/07/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT COLDWATER RIVER						
SKUNA RIVER	915413	MS333LSE	Secondary Contact	12/19/13	Attaining	2
LOCATION: AT BRUCE FROM PERSIMMON CREEK TO MWS BOUNDARY 9156						
SOUTH FORK TILLATOBA CREEK	906311	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: FROM 9064 MWS BOUNDARY TO CONFLUENCE WITH TILLATOBA CREEK						
SPLINTER CREEK	907412	N/A	Aquatic Life Support	01/08/14	Not Attaining	5
LOCATION: FROM HEADWATERS TO MOUTH AT YOCONA RIVER						
SWIFTWATER BAYOU	952811	N/A	Aquatic Life Support	03/10/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM BLACK BAYOU TO UNNAMED CANAL THAT FLOWS TO MAIN CANAL						

YAZOO RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
TCHULA LAKE	920711	N/A	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: TCHULA LAKE						
TCHULA LAKE	920212	N/A	Aquatic Life Support	03/28/14	Attaining	2
LOCATION: TCHULA LAKE						
THOMPSON CREEK	922811	N/A	Aquatic Life Support	01/06/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT PERRY CREEK						
TILLATOBA CREEK	906211	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: FROM HEADWATERS TO CONFLUENCE OF SOUTH FORK TILLATOBA CREEK AT MWS9065 BOUNDARY						
TIPPAH RIVER	902511	MS246E	Aquatic Life Support	01/08/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE OF NORTH TIPPAH CREEK AND SOUTH TIPPAH CREEK TO CONFLUENCE WITH GRAY CREEK						
TOPASHAW CREEK	913711	N/A	Aquatic Life Support	01/07/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9138						
TOPASHAW CREEK	913811	N/A	Aquatic Life Support	01/07/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM MWS BOUNDARY 9137 TO MWS BOUNDARY 9136						

YAZOO RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
TUNICA CUTOFF	990211	N/A	Aquatic Life Support	03/27/14	Not Attaining, Tmdl Completed	4A
LOCATION: OXBOW LAKE OF THE MISSISSIPPI RIVER IN TUNICA COUNTY						
TURKEY BAYOU	951611	N/A	Aquatic Life Support	03/10/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HENRY LAKE TO MOUTH AT QUIVER RIVER						
TURKEY CREEK	915911	N/A	Aquatic Life Support	01/07/14	Attaining	2
LOCATION: FROM HEADWATERS TO MWS 9160 BOUNDARY						
UNNAMED TRIBUTARY TO LITTLE TALLAHATCHIE RIVER	901713	N/A	Aquatic Life Support	04/01/02	Not Attaining	5
LOCATION: NEAR PINEDALE FROM HEADWATERS TO THE CONFLUENCE WITH UNNAMED TRIBUTARY						
UNT TO OKANNATIE CREEK	900912	N/A	Aquatic Life Support	01/08/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT OKANNATIE CREEK						
WHITES CREEK	911911	N/A	Aquatic Life Support	12/20/13	Not Attaining	5
LOCATION: NEAR PRICHARD FROM HEADWATERS TO THE LAKE COMORANT BAYOU						
YALOBUSHA RIVER	913311	N/A	Aquatic Life Support	01/07/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM CONFLUENCE WITH NARON CREEK TO CONFLUENCE WITH MILES CREEK						

YAZOO RIVER						
WATERSHED NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT DATE**	**ASSESSMENT STATUS**	**CATEGORY**
YALOBUSHA RIVER	913111	MS325YE	Aquatic Life Support	01/07/14	Not Attaining, Tmdl Completed	4A
LOCATION: FROM HEADWATERS TO FIRST INTERMITTENT STREAM RIGHT PAST WATERSHED BOUNDARY 9132						
YORK CREEK	915711	N/A	Aquatic Life Support	01/07/14	Attaining	2
LOCATION: FROM HEADWATERS TO MOUTH AT SKUNA RIVER						