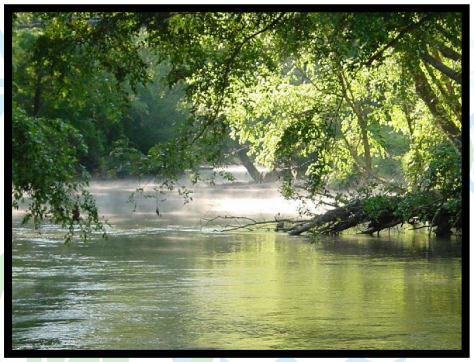
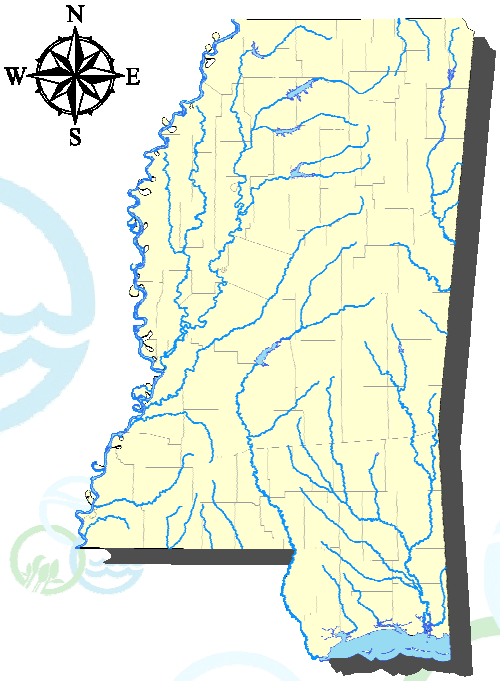
State of Mississippi Water Quality Assessment 2006 Section 305(b) Report Addendum





State of Mississippi
Water Quality Assessment
2006 Section 305(b) Report
Addendum

Mississippi Department of
Environmental Quality

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BASIN ASSESSMENTS

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 section is an addendum to the *State of Mississippi Water Quality Assessment 2006 §305(b) Repor*t. This addendum provides water quality assessments and general land use and water resources information specific to each of the state's major river basins. There are no new assessments represented in this addendum that are not part of the 2006 §305b report statewide summary presented in the main document. The information in this section 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. The boundaries for each basin are shown in Figure 1. 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, a discussion of each basin's location, water resources, special water body classifications, and water quality monitoring stations used in the §305(b) assessment process is presented. In addition, a brief description of each basin's physiography, population, and land use/land cover distribution are also given. Surface water quality assessment data are presented and discussed including a summary of the basin's water body assessment status and causes and sources of impairment. Maps, tables and other graphical charts are utilized fluently in depiction of the above information. At the end of each basin section is an alphabetical listing of all individual water body assessments made for the 2006 §305(b) report. With each water body entry, pertinent information regarding water body ID number, county, reach location, assessed use, and assessment status are shown. This table also provides the necessary information to cross-reference §305(b) assessments with the 2006 §303(d) list.

To accurately represent the amount of attaining mileage, the new Integrated Guidance from USEPA allows segments to be assigned to one of five categories at the use level, so that water bodies with multiple uses may 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. Due to USEPA requirements for Category 1 that all uses are assessed, Mississippi currently has no water bodies assigned to Category 2. In accordance with new USEPA guidance, a water body can be placed in multiple categories. If a water body is attaining one use but not attaining another use, it is assigned to one of the attaining categories (Category 4 or 5) for that use, and to Category 2 for the use that is attaining.

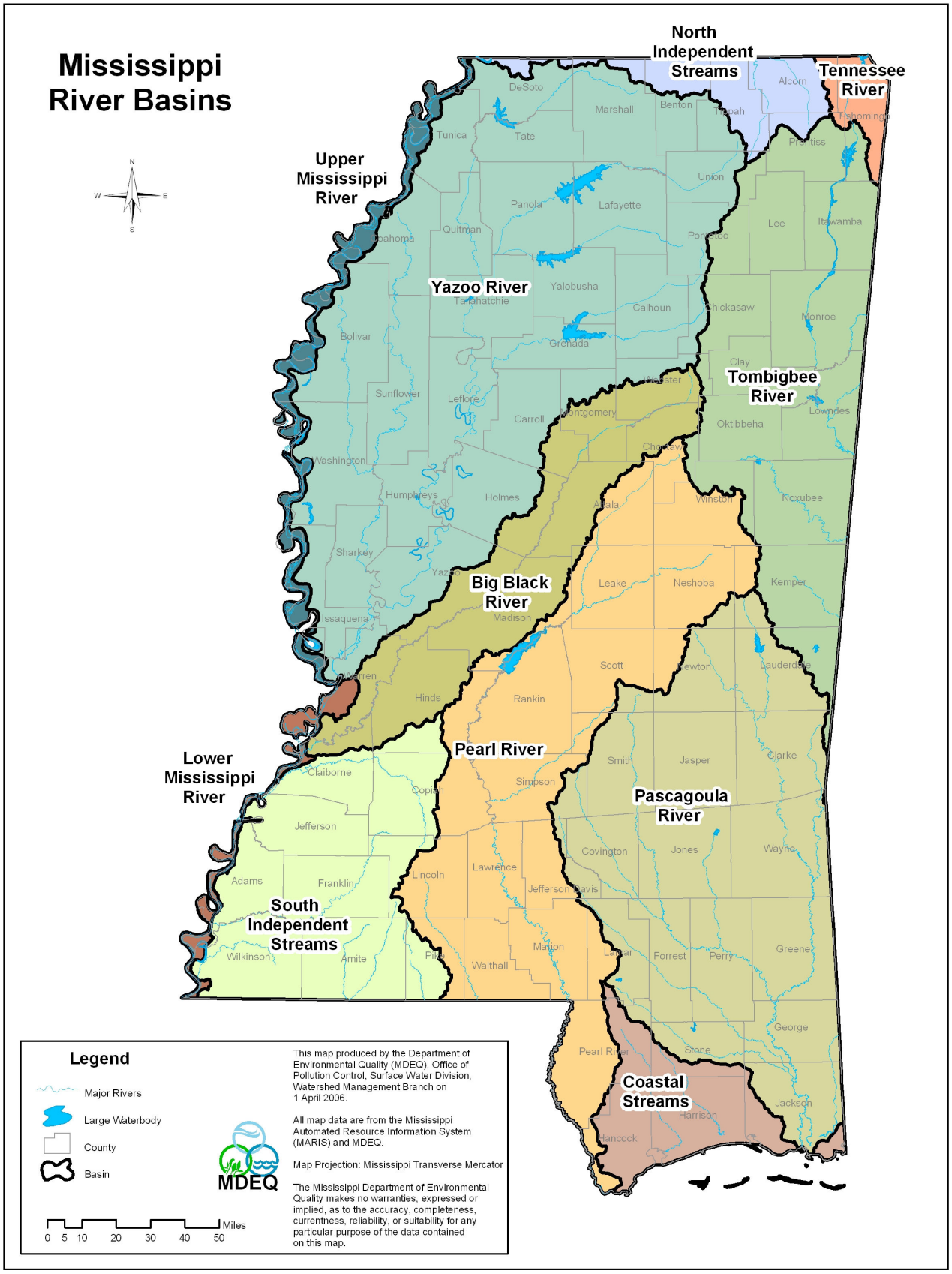


Figure 1: Mississippi's Ten Major Drainage Basins

BIG BLACK RIVER BASIN

Basin Description

The Big Black River Basin (Figure 2) is located in the west-central part of Mississippi. The basin is approximately 155 miles in length and averages 22 miles in width. It covers an area of about 3,400 square miles and has 6,578 linear miles of river and streams. The Big Black River, which lies entirely within the boundaries of Mississippi, begins in Webster County, near the town of Eupora in north-central Mississippi and flows southwesterly for approximately 300 miles to its mouth at the Mississippi River 25 miles south of Vicksburg. Tributaries to the Big Black River include Big Bywy Ditch, Zilpha Creek, Apookta Creek, Doaks Creek, Bear Creek, Bogue Chitto Creek and Fourteen Mile-Bakers Creek.

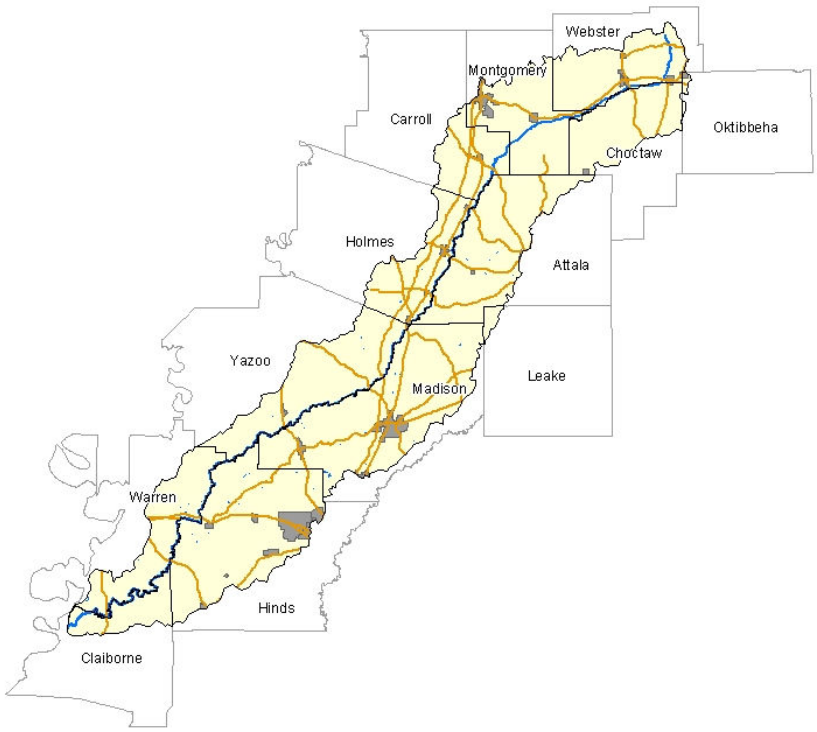


Figure 2: Big Black River Basin (MDEQ)

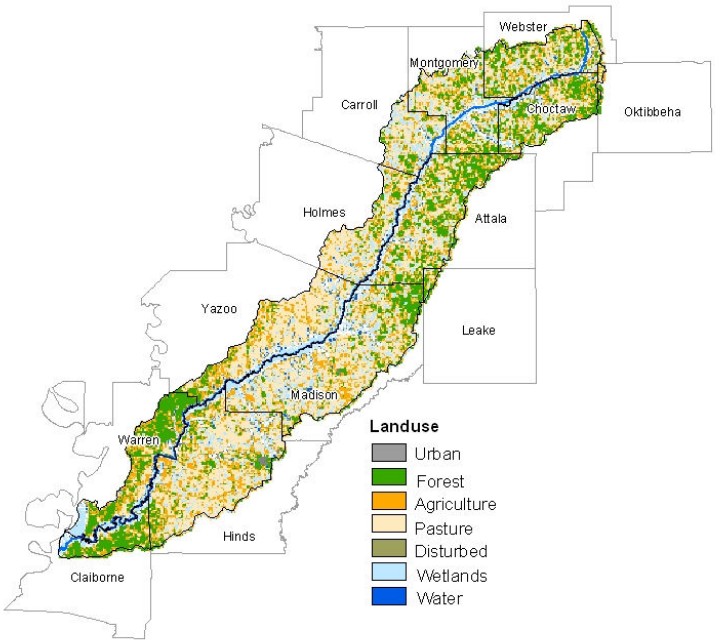
Most of the region is made up of hilly to gently rolling land and is mostly open. On the western side of the basin, high bluffs are present as the land nears the Mississippi River.

The Big Black River Basin encompasses all or part of 13 counties, including 24 municipalities. However, Leake and Oktibbeha counties have only a very small part of their total area in the basin. According to the 2000 census, approximately 220,000 people live in the basin (approximately 64 people per square mile).

Although most of the basin is not densely populated, the largest populations are in Hinds and Madison counties including the northwestern section of the city of Jackson and the cities of Clinton and Canton. Madison County (Canton area) had the largest increase in population among the basin counties due to the resulting economic growth from the opening of the Nissan Automotive Manufacturing Facility near Canton.

Land Use

A depiction of the major land cover in the basin is given in Figure 3. The *forests* are evenly distributed and comprise approximately 36% of the total land area of the basin (Figure 4). *Agricultural* areas including pasture, rangelands and croplands comprise approximately 35% of the total land area. The Big Black River Basin has approximately 176,600 acres of *wetlands* (8% of the basin land area) with about 150,000 being bottomland hardwood forests. Despite growing cities such as Canton, Clinton and the northwest portion of the capital city of Jackson, *urban* areas make up only 1% of the land cover of the basin. *Disturbed areas* (strip mines, gravel pits, sandy areas, barren, and transitional areas) make up 19% of the land use in the basin. *Water* (fresh and aquaculture) makes up the remaining 1% of land cover.



Land Cover - Big Black River Basin (MARIS)

Figure 3: Distribution of

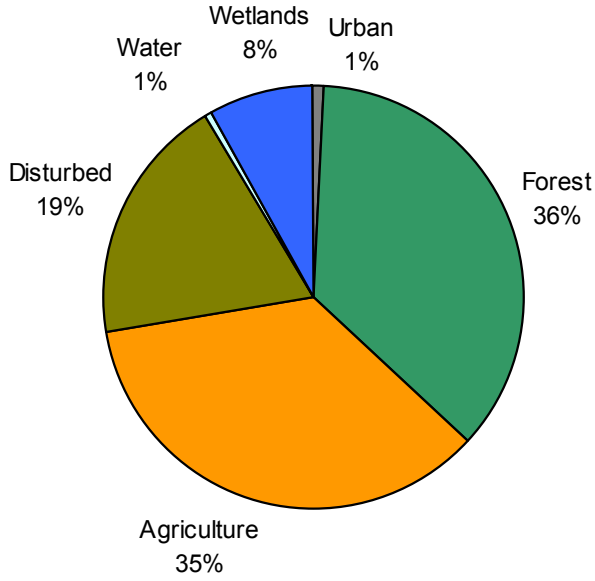


Figure 4: Grouping of Land Cover in the Big Black River Basin (MARIS)

Water Resources

The Big Black River Basin has 6,578 total miles of perennial and intermittent rivers and streams. The Big Black River and all of its tributaries, according to the state's water quality standards, are classified as Fish and Wildlife streams. Waters in this classification are intended for fishing and for the propagation of fish, aquatic life and wildlife and are also intended for secondary contact recreation. Secondary contact recreation is defined as incidental contact with the water, including wading and occasional swimming.

There is little base flow in many of the streams in the Big Black River Basin. The Big Black River and many of its tributaries in the northern part of the basin carry large amounts of suspended sediments and are normally very turbid following major rainfall events. A number of the streams in the basin are muddy and slow flowing, while others are characterized by clear water and are swift with sandy bottoms. The Big Black River is one of the last remaining un-dammed river systems east of the Mississippi River. Near the Mississippi River, the lower end of the Big Black River becomes flatter and is subject to the Mississippi River's rise and fall which greatly affects the dynamics of this water body.

There are no major public reservoirs or lakes within the Big Black River Basin. There is a small public state-owned lake near Durant, Holmes County State Park Lake.

The Big Black River Basin does not have large-scale development and most of its tributaries are wild and undeveloped, and are, therefore, in a relatively unmodified condition. This "natural state" provides for wildlife and plant populations that are very diverse. A 50-mile stretch of the Big Black River in Warren and Yazoo counties provides habitat for the rare blue suckerfish. The Big Black River Basin has 5 federally threatened and two federally endangered species. Additionally, approximately 27 animal species and 22 plant species are listed as "special concern" in the Natural Heritage Inventory. Several of the small tributaries in the headwaters of the Big Black River contain a diverse community of fishes and benthic macroinvertebrates (e.g., worms, crayfish, and fresh water shrimp). The Big Black River is recognized for its outstanding catfish fishery. The Big Black is a bountiful host to recreational fishermen, who take crappie, bream and buffalo fish in addition to catfish from its waters. As such, it has been proposed for review as a potential Mississippi Natural and Scenic Waterway.

Surface Water Assessment

Designated Use Support

The assessments for the Big Black River Basin were based on data from a total of 152 sampling locations in streams and rivers across the basin sampled by MDEQ FSD as part of the §303(d)/IBI wadeable streams project (M-BISQ) and the §303(d) fecal coliform monitoring project (Figure 5). Use support status for the basin is presented and summarized with causes of impairment.

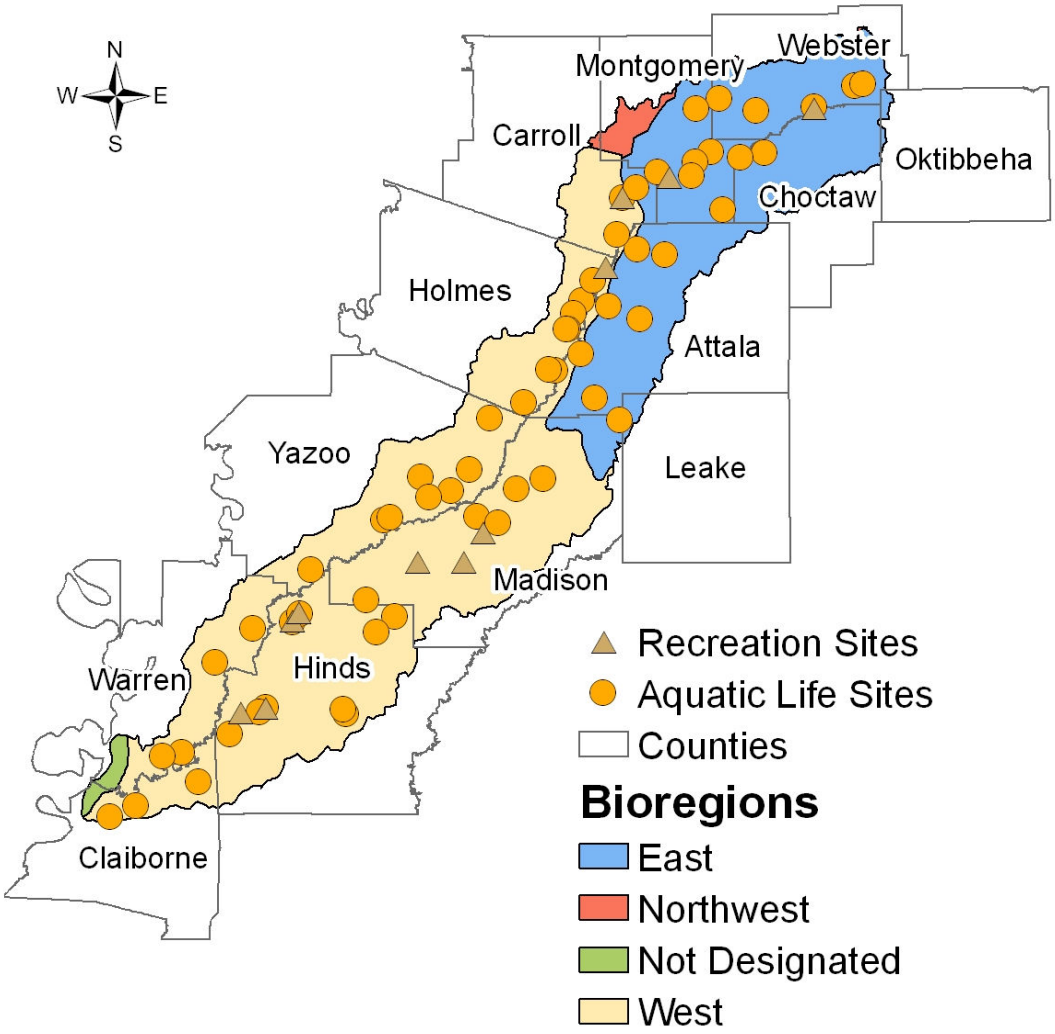


Figure 5: Big Black River Basin Monitoring Stations and M-BISQ Bioregions

MDEQ assessed approximately 38% (609 miles) of the total 1,637 perennial miles of streams and rivers in the Big Black River Basin. The status of water quality on the remaining 62% (1,028 miles) of the basin's perennial rivers and streams is unknown. The majority of stream miles (75%) in the Big Black River Basin is composed of intermittent streams and therefore is not readily assessable. A summary of the basin's assessed versus unassessed rivers and streams is found in Figure 6. Please refer to Table 1 at the end of this section for a tabular listing of all assessments. This table also provides the necessary information to cross-reference the §305(b) assessments with the §303(d) list.

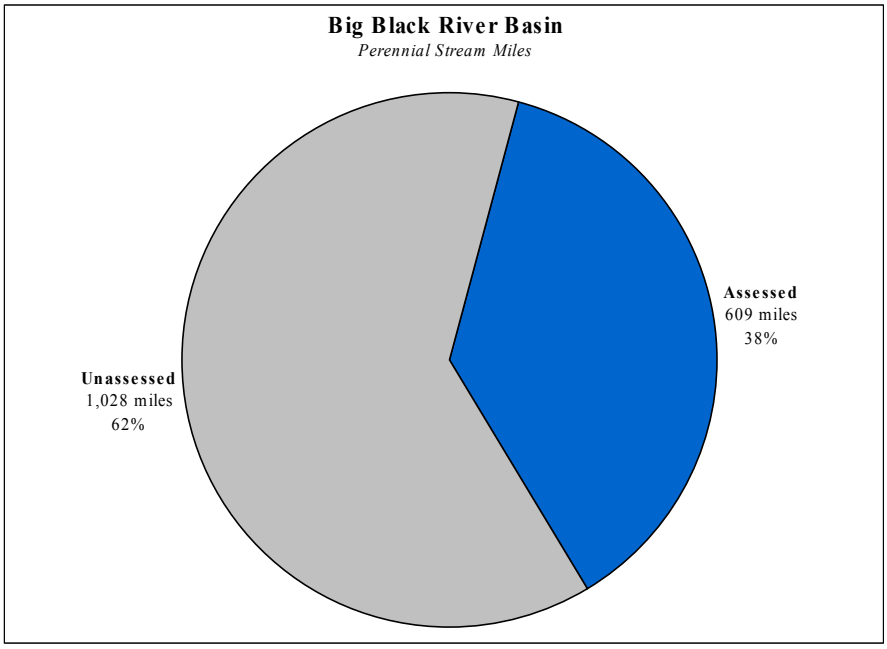


Figure 6: Big Black River Basin Assessment of Perennial River and Stream Miles

Causes of Impairment of Designated Uses

Impairment causes were determined for 77% of streams assessed for Aquatic Life Use Support (ALUS) through the stressor-ID process (Figure 7). Sediment/Siltation is the largest contributor to ALUS impairment in the Big Black Basin. It is cause for part or all ALUS impairment in 67% of non-attaining stream miles. Pathogens are used to assess recreational use support in streams and rivers.

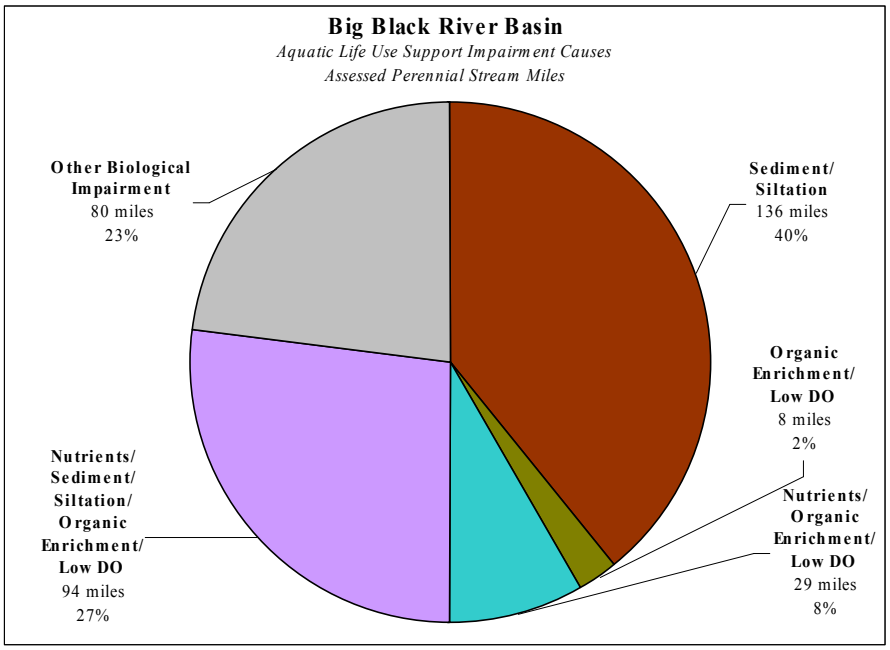


Figure 7: Summary of Impairment Causes for Aquatic Life Use Support Perennial Rivers and Streams-Big Black River Basin

Aquatic Life Use Support

As stated earlier, all of the ALUS assessments were based on biological monitoring data collected as part of the development of Mississippi's IBI process, M-BISQ. Of the Big Black River Basin's assessed stream and river miles, approximately 254 miles of perennial rivers and streams are attaining their aquatic life use, while 346 miles were assessed as not attaining and are considered impaired (Figure 8). Figure 8 depicts a geo-referenced coverage of the Aquatic Life Use Support assessments for the Big Black River Basin.

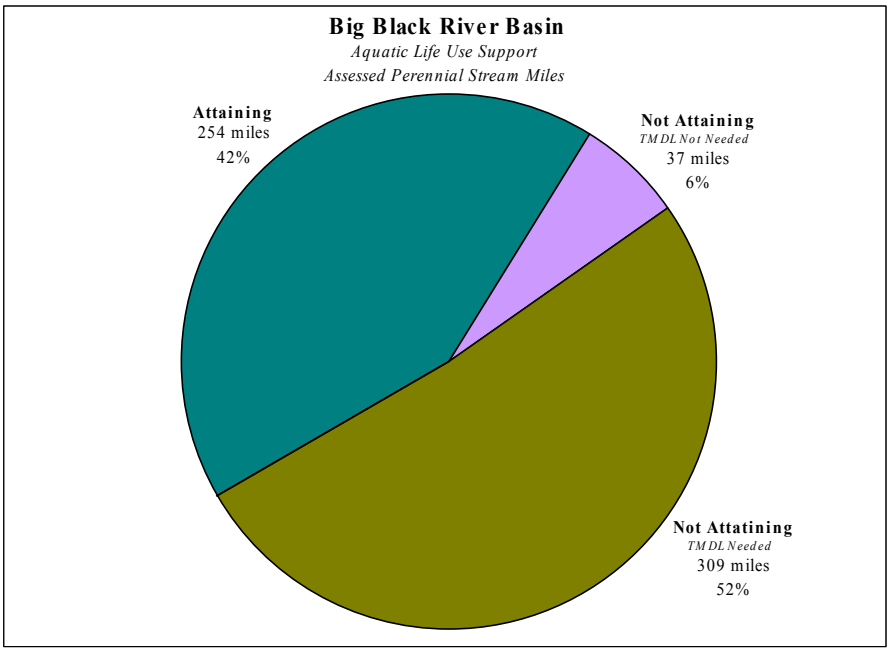


Figure 8: Aquatic Life Use Support-Big Black River Basin

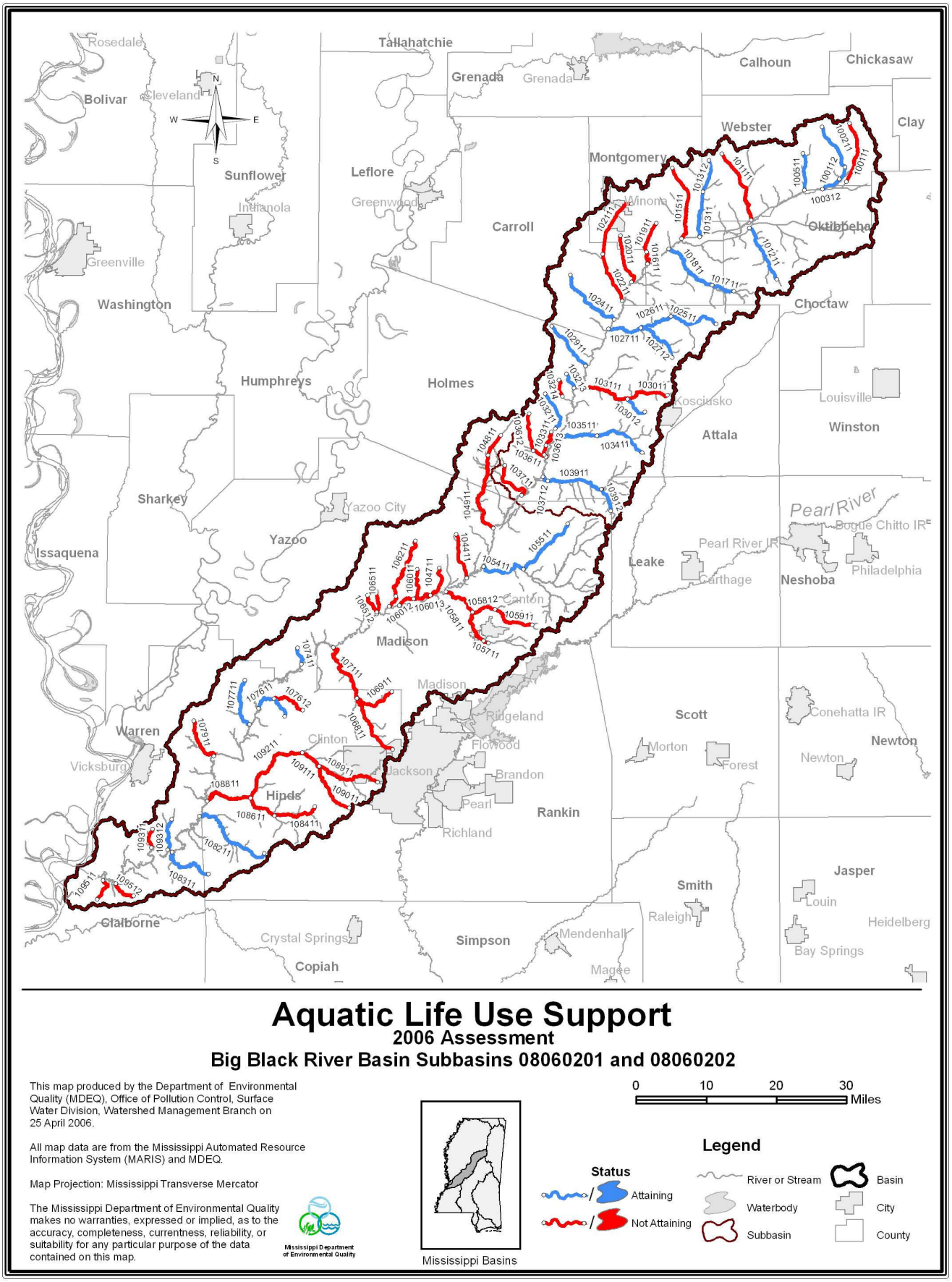


Figure 9: Aquatic Life Use Support Map-Big Black River Basin

Contact Recreation Use Support

Data collected as part of a statewide §303(d) fecal coliform project were used to make the Contact Recreation Use Support assessments. This includes streams that are classified as primary contact recreation as well as streams with data for secondary contact recreation. Both classifications are subject to the same standards in the contact recreation season. For more information on the state's water quality standards, please review the document: State of Mississippi Water Quality Criteria for Intrastate, Interstate and Coastal Waters (2002) which can be found at the following website: www.deq.state.ms.us. Of the Big Black River Basin's assessed stream and river miles, approximately 92 miles were assessed as not attaining and are considered impaired (Figure 10). Figure 11 depicts a geo-referenced coverage of the Contact Recreation Use Support assessments for the Big Black River Basin.

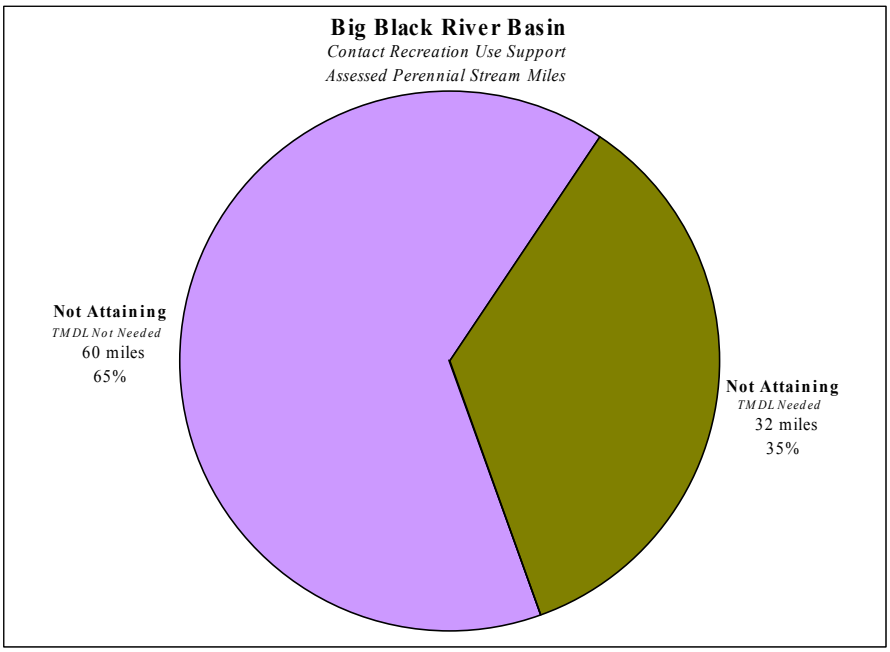


Figure 10: Contact Recreation Use Support-Big Black River Basin

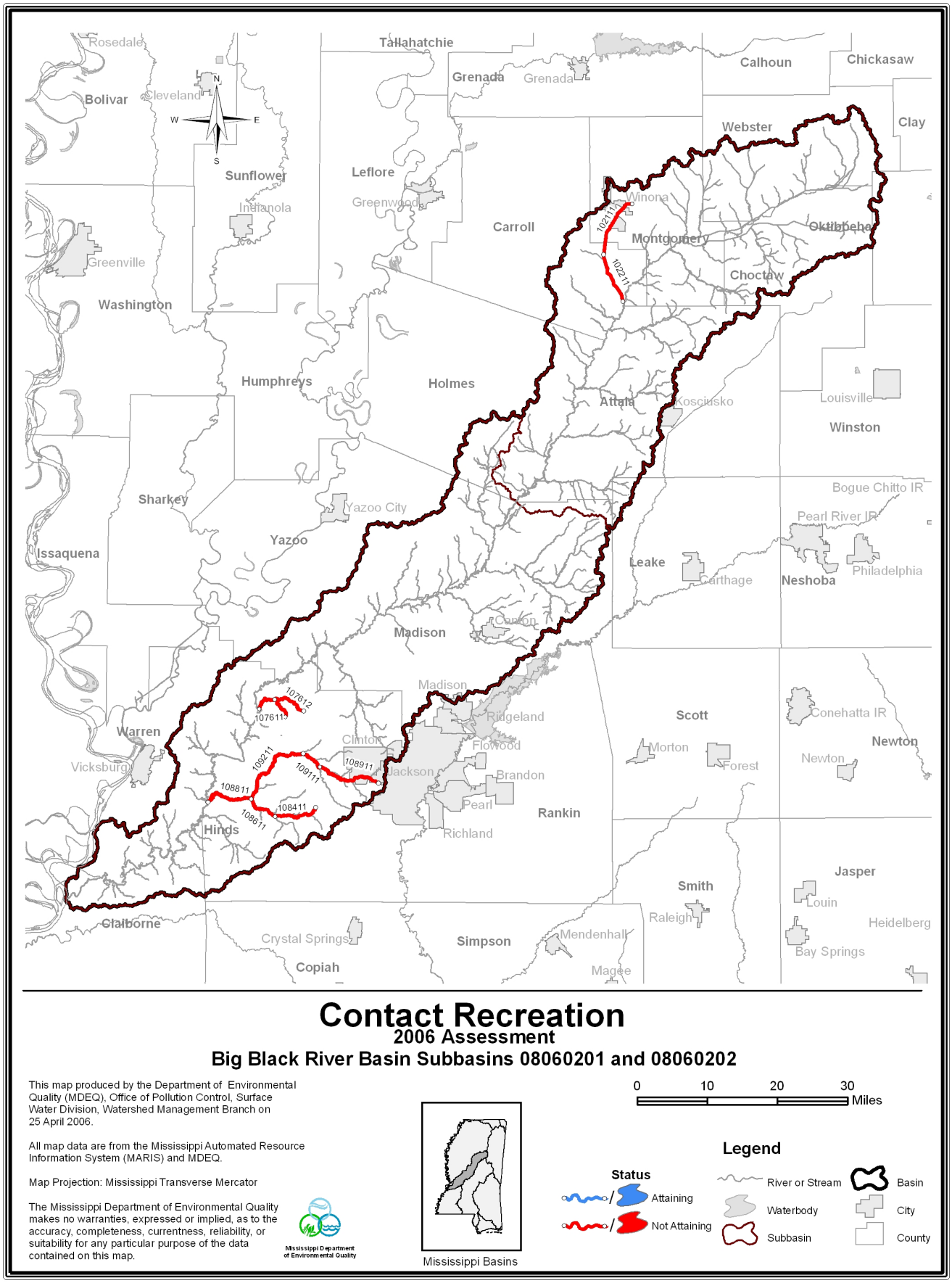


Figure 11: Contact Recreation Use Support Map-Big Black River Basin

Table 1: 2006 §305(b) Assessed Water Bodies-Big Black River Basin

BIG BLACK RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
APOOKTA CREEK	103011	MS421AE	Aquatic Life Support	Not Attaining
LOCATION: NEAR DURANT FROM HEADWATERS TO CONFLUENCE WITH ATWOOD CREEK AT MWS 1031 BOUNDARY				
APOOKTA CREEK	103111	MS421AE	Aquatic Life Support	Not Attaining
LOCATION: FROM CONFLUENCE WITH ATWOOD CREEK AT MWS BOUNDARY 1030 TO MOUTH AT BIG BLACK RIVER				
ATWOOD CREEK	103012	N/A	Aquatic Life Support	Attaining
LOCATION: NEAR KOSCIUSKO FROM HEADWATERS TO MOUTH AT APOOKTA CREEK				
BAKERS CREEK	108911	MS441BE	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: NR MORNING STAR FROM HEADWATERS TO CONFLUENCE WITH SNAKE CREEK				
BAKERS CREEK	109111	MS441BE	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE WITH SNAKE CREEK TO CONFLUENCE WITH FLEETWOOD CREEK				
BAKERS CREEK	109211	MS441BE	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE WITH FLEETWOOD CREEK TO CONFLUENCE WITH FOURTEEN MILE CREEK				
BEAR CREEK	105711	MS431BE	Aquatic Life Support	Not Attaining
LOCATION: TO HEADWATERS AT WALNUT CREEK NEAR VIRLILA TO MWS BOUNDARY 1058				
BEAR CREEK	107711	N/A	Aquatic Life Support	Attaining
LOCATION: NR YOUNGTOWN FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER				

BIG BLACK RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
BEAR CREEK	105811	MS431BE	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 1057 TO MOUTH AT BIG BLACK RIVER				
BEAVER CREEK	107411	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER				
BETSY CREEK	102011	MS417UE	Aquatic Life Support	Not Attaining
LOCATION: NEAR WINONA FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER				
BIG BLACK RIVER	100111	100111	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 1003				
BIG CYPRESS CREEK	104811	MS428E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 1049				
BIG CYPRESS CREEK	104911	MS428E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 1048 TO MOUTH AT BIG BLACK RIVER				
BIG SAND CREEK	108311	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER				
BOGUE CHITTO CREEK	107111	MS436E	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM MWS 1068 BOUNDARY TO MOUTH AT BIG BLACK RIVER				

BIG BLACK RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
BOGUE CHITTO CREEK	106811	MS436E	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO MWS 1071 BOUNDARY				
BOX CREEK	103612	MS424BE	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH GREENS CREEK				
CALABRELLA CREEK	101111	MS411E	Aquatic Life Support	Not Attaining
LOCATION: NR PELLEZ FROM HEADWATERS OF BOX CREEK TO CONFLUENCE WITH GREENS CREEK TO CONFLUENCE WITH BIG BLACK RIVER				
CLEAR CREEK	107911	MS439E	Aquatic Life Support	Not Attaining
LOCATION: NEAR BOVINA FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER				
COX CREEK	107612	MS437E	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT PORTER CREEK				
CYPRESS CREEK	106011	MS433CE	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS 1062 BOUNDARY TO MOUTH AT BIG BLACK RIVER				
CYPRESS CREEK	106211	MS433CE	Aquatic Life Support	Not Attaining
LOCATION: NEAR BENTONIA FROM HEADWATERS TO MWS 1060 BOUNDARY				
DEER CREEK	106012	MS433DE	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS 1061 BOUNDARY TO MOUTH AT BIG BLACK RIVER				

BIG BLACK RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
DEER CREEK	106111	MS433DE	Aquatic Life Support	Not Attaining
LOCATION: NEAR BENTONIA FROM HEADWATERS TO MWS BOUNDARY 1060				
DOAKS CREEK	105411	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH HOBUCK CREEK TO MOUTH AT BIG BLACK RIVER				
ELLISON CREEK	104411	MS430E	Aquatic Life Support	Not Attaining
LOCATION: NEAR WAY FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER				
FIVEMILE CREEK	108211	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER				
FOURTEEN MILE CREEK	108411	MS441FE	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS NEAR OLD PORT GIBSON RD TO MWS 1086 BOUNDARY				
FOURTEEN MILE CREEK	108811	MS441FE	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM MWS 1086 TO MOUTH AT BIG BLACK RIVER				
FOURTEENMILE CREEK	108611	MS441FE	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM MWS 1084 BOUNDARY TO MWS 1088 BOUNDARY				
GREENS CREEK	103611	MS424BE	Aquatic Life Support	Not Attaining
LOCATION: FROM CONFLUENCE WITH BOX CREEK TO MOUTH AT BIG BLACK RIVER				

BIG BLACK RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
HAMER BAYOU LOCATION: FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER	109312	N/A	Aquatic Life Support	Attaining
HAYS CREEK LOCATION: FROM HEADWATERS TO 1022 MWS BOUNDARY	102111	MS417HE	Aquatic Life Support Secondary Contact	Not Attaining Not Attaining
HAYS CREEK LOCATION: FROM 1021 MWS BOUNDARY TO MOUTH AT BIG BLACK RIVER	102211	MS417HE	Aquatic Life Support Secondary Contact	Not Attaining Not Attaining
HOBUCK CREEK LOCATION: FROM HEADWATERS TO CONFLUENCE WITH DOAKS CREEK	105511	N/A	Aquatic Life Support	Attaining
HOWARD CREEK LOCATION: NR DURANT FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER	103213	N/A	Aquatic Life Support	Attaining
INDIAN CREEK LOCATION: NEAR BENTONIA FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER	106512	MS433IE	Aquatic Life Support	Not Attaining
JACK LAKE CREEK LOCATION: FROM HEADWATERS TO MWS 1036 BOUNDARY	103311	MS422JE	Aquatic Life Support	Not Attaining
JACK LAKE CREEK LOCATION: FROM MWS 1033 BOUNDARY TO MOUTH AT GREENS CREEK	103613	MS422JE	Aquatic Life Support	Not Attaining

BIG BLACK RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
JIM BAYOU LOCATION: FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER	109311	MS445JE	Aquatic Life Support	Not Attaining
JORDAN CREEK LOCATION: FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER	102911	MS420JE	Aquatic Life Support	Attaining
KENNISON CREEK LOCATION: NEAR GALLOWAY FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER	109512	MS444E	Aquatic Life Support	Not Attaining
LEWIS CREEK LOCATION: FROM MWS 1019 BOUNDARY TO MOUTH AT BIG BLACK RIVER	101611	MS416LE	Aquatic Life Support	Not Attaining
LEWIS CREEK LOCATION: NEAR POPLAR SPRINGS FROM HEADWATERS INCLUDING EAST FORK TO MWS 1016 BOUNDARY	101911	MS416LE	Aquatic Life Support	Not Attaining
LIMEKILN CREEK LOCATION: FROM HEADWATERS TO CONFLUENCE TO BOGUE CHITTO CREEK	106911	MS436M	Aquatic Life Support	Not Attaining, TMDL Completed
LITTLE BLACK CREEK LOCATION: FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER	100511	MS410E	Aquatic Life Support	Attaining
LONG CREEK LOCATION: FROM HEADWATERS TO MWS BOUNDARY 1035 NEAR SALLIS	103411	N/A	Aquatic Life Support	Attaining

BIG BLACK RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
LONG CREEK	103511	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS BOUNDARY 1034 NR SALLIS TO MOUTH AT BIG BLACK RIVER				
MCCURTAIN CREEK	101211	MS412ME	Aquatic Life Support	Attaining
LOCATION: NEAR SIBLEYTON FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER CANAL				
MULBERRY CREEK	101511	MS415E	Aquatic Life Support	Not Attaining
LOCATION: NEAR SHELBYTON FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER CANAL				
OUSLEY CREEK	103912	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT SENEASHA CREEK				
PEACHAHALA CREEK	102411	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER				
PICKETT CREEK	104711	MS433PE	Aquatic Life Support	Not Attaining
LOCATION: NEAR BENTONIA FROM HEADWATERS TO MWS 1060 BOUNDARY				
PICKETT CREEK	106013	MS433PE	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS 1047 BOUNDARY TO CONFLUENCE WITH DEER CREEK				
POPLAR CREEK	101711	N/A	Aquatic Life Support	Attaining
LOCATION: NEAR POPLAR SPRINGS FROM CONFLUENCE WITH DOWNINGS BRANCH TO MWS 1018 BOUNDARY				

BIG BLACK RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
POPLAR CREEK LOCATION: FROM MWS 1017 BOUNDARY TO MOUTH AT BIG BLACK RIVER	101811	N/A	Aquatic Life Support	Attaining
PORTER CREEK LOCATION: FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER	107611	MS437PE	Aquatic Life Support Secondary Contact	Attaining Not Attaining
SCOOBACHITA CREEK LOCATION: FROM HEADWATERS TO MOUTH AT ZILPHA CREEK	102712	N/A	Aquatic Life Support	Attaining
SENEASHA CREEK LOCATION: FROM HEADWATERS AT THE CONFLUENCE OF FISHERS AND OUSLEY CREEKS TO THE MWS 1037 BOUNDARY	103911	N/A	Aquatic Life Support	Attaining
SENESHA CREEK LOCATION: FROM MWS 1039 BOUNDARY AT THE CONFLUENCE OF FISHERS AND OUSLEY CREEKS TO THE MWS 1037 BOUNDARY	103712	N/A	Aquatic Life Support	Attaining
SNAKE CREEK LOCATION: FROM HEADWATERS TO MOUTH AT BAKERS CREEK	109011	109011	Aquatic Life Support	Not Attaining
SPRING CREEK LOCATION: FROM MWS BOUNDARY 1002 TO MWS BOUNDARY 1003	100112	MS409SE	Aquatic Life Support	Attaining
SPRING CREEK LOCATION: AT SARA FROM HEADWATERS TO MWS 1001 BOUNDARY	100211	MS409SE	Aquatic Life Support	Attaining

BIG BLACK RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
SPRING CREEK LOCATION: FROM MWS BOUNDARY 1001 TO MWS BOUNDARY 1005	100312	MS409SE	Aquatic Life Support	Attaining
TACKETT CREEK LOCATION: NEAR PICKENS FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER	103711	MS426E	Aquatic Life Support	Not Attaining
TILDA BOGUE LOCATION: NR VIRILLIA FROM HEADWATERS TO MWS 1058 BOUNDARY	105911	MS431TE	Aquatic Life Support	Not Attaining
TILDA BOGUE CREEK LOCATION: FROM MWS 1059 BOUNDARY TO MOUTH AT BEAR CREEK	105812	MS431TE	Aquatic Life Support	Not Attaining
UNNAMED TRIB TO INDIAN CREEK LOCATION: FROM HEADWATERS TO MOUTH AT INDIAN CREEK	103214	103214	Aquatic Life Support	Not Attaining
UNNAMED TRIBUTARY LOCATION: NEAR DURANT FROM HEADWATERS TO MWS 1032/1033 BOUNDARY	103211	N/A	Aquatic Life Support	Attaining
WALESHEBA CREEK LOCATION: NEAR BENTONIA FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER	106511	MS433WE	Aquatic Life Support	Not Attaining
WILLIS CREEK LOCATION: FROM HEADWATERS TO MOUTH AT BIG BLACK RIVER	109511	MS444WE	Aquatic Life Support	Not Attaining

BIG BLACK RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
WOLF CREEK	101312	MS414WE	Aquatic Life Support	Attaining
LOCATION: NEAR SHELBYTON FROM HEADWATERS TO CONFLUENCE WITH PATTS BRANCH				
WOLF CREEK	101311	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH PATTS BRANCH TO MOUTH AT BIG BLACK RIVER				
ZILPHA CREEK	102511	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MWS 1026 BOUNDARY				
ZILPHA CREEK	102611	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS BOUNDARY 1025 TO MWS BOUNDARY 1027				
ZILPHA CREEK	102711	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS 1026 BOUNDARY TO MOUTH AT BIG BLACK RIVER				

COASTAL STREAMS BASIN
Basin Description

The Coastal Streams Basin area, located in south Mississippi, begins in Lamar County and extends southward with its western boundary being the Pearl River and the eastern boundary, with the exception of the mouth of the Pascagoula River, being the Alabama state line. Comprising all or part of six counties, the Coastal Streams system drains an area of about 1,545 square miles and empties into the Gulf of Mexico. The Coastal basin also includes the Mississippi Sound and the barrier islands: Cat, Ship, Deer, Horn, Round, and Petit Bois Islands (Figure 12).

Figure 12: Coastal Streams Basin (MDEQ)

The topography ranges from extensive pine forests and low rolling hills in the upper part of the basin to low-lying flatlands and salt marsh on the coast. Major population centers and urban areas include Biloxi, Gulfport, Bay St. Louis, Pass Christian, Ocean Springs, and Pascagoula and are concentrated along the coast.

The Coastal Streams Basin has an estimated population of 426,231 and encompasses roughly one-fifth of Mississippi's population. The basin is predominantly rural with an average population density of around 137 people per square mile. Greater population densities are found in the urban areas along the coast. Population in the Coastal Streams Basin has shown a steady growth over the past 30 years, mainly occurring in the urban areas. This growth has accelerated greatly in recent years for the three coastal counties due to the economic impacts of the casino industry.

Land Use

The Coastal Streams Basin is one of the most unique areas of the state. The inland areas of this basin are predominately rural with agriculture and silviculture being the major land uses, while the area along the coast has heavy urban, industrial, and recreational developments. Commercial and recreational fisheries, gaming, tourism, energy production, manufacturing, and shipping are all components of a vibrant coastal economy. Land uses are identified in Figure 13.

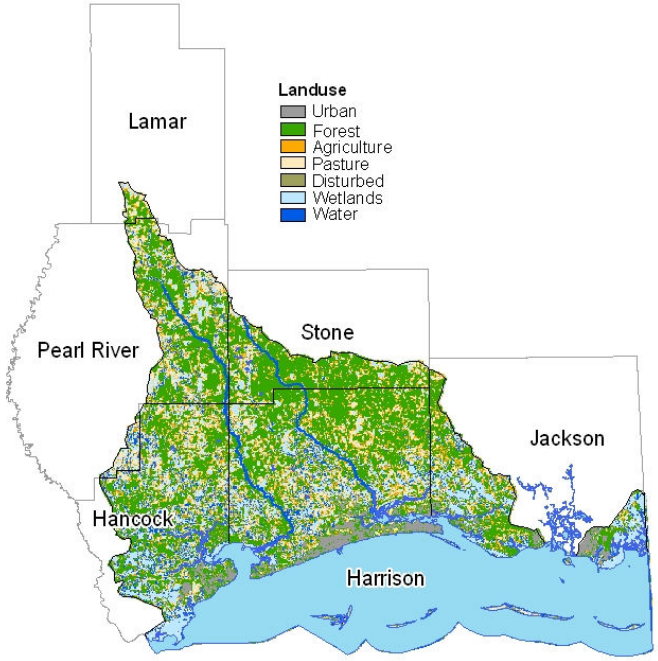


Figure 13: Major Land Cover in the Coastal Streams Basin (MARIS)

Forests dominate the land cover, with 35 percent of the basin covered by forest (Figure 14). *Urban* uses (i.e., towns and cities) make up 4% of the Coastal Streams Basin area. However, 56 % of the basin population is concentrated in these urban areas. *Agricultural* area comprises 7% and includes croplands and pastures. *Water*, including streams, lakes, reservoirs and estuaries, make up 33% of the land cover while *Wetlands*, which includes forested and non-forested freshwater wetlands and coastal marsh, comprise 7% of the basin. *Disturbed areas* (strip mines, gravel pits, sandy areas, barren, and transitional areas) make up 14% of the land use in the basin. Please note that this land use information is from data available pre-Katrina.

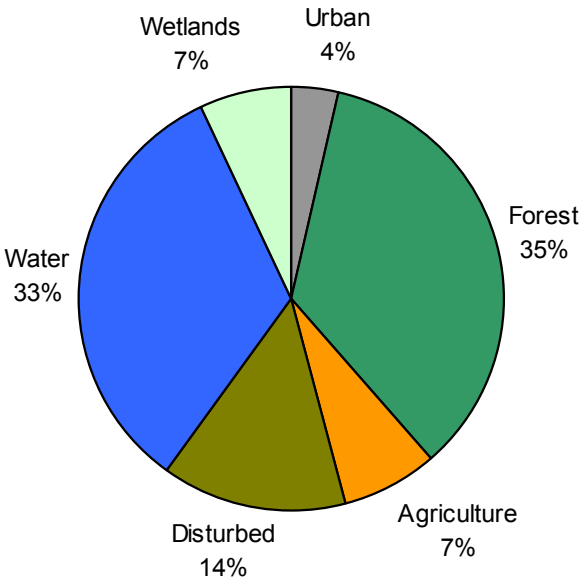


Figure 14: Distribution of Land Cover in the Coastal Streams Basin (MARIS)

Water Resources

The Coastal Streams Basin has a total of 2,427 miles of perennial and intermittent rivers and streams. According to the state's water quality standards, the majority of these water bodies are classified as Fish and Wildlife streams. However; portions of the Jourdan and Wolf Rivers and all of the Tchoutacabouffa River, Tuxachanie Creek, Old Fort Bayou and the Back Bay of Biloxi are classified for primary contact recreation and thus intended to be suitable for extensive water contact recreational activities. Typically streams and rivers in this basin are shallow and tannic, with moderate flow in the upper reaches and gradually become wider and deeper with more sluggish flow toward the coast due to tidal influence and the change in topography. Many streams in this area of the state are also referred to as "blackwater streams" because they are stained by tannic acid leached from local vegetation

Mississippi's largest estuary, the Mississippi Sound, is located within the Coastal Streams Basin, and is classified for recreation. The Mississippi Sound is a relatively shallow, elongated estuary separated from the Gulf of Mexico and bounded offshore by a string of barrier islands: Cat, Ship, Horn, and Petit Bois. To the north, the Sound is bordered by small bays, marshes, bayous, rivers and coastal beaches.

The Mississippi Sound is an estuary that is largely a product of the rivers that feed it. Freshwater inputs replenish nutrients and sediments that play a critical role in maintaining the abundant productivity of Mississippi coastal waters and extensive salt marsh habitats bordering the estuaries of the Sound. The sediment maintains the salt marsh habitat that in turn regulates the discharge of nutrients to coastal waters as a pollutant filter. Suspended sediments deposited by the freshwater inputs are hydraulically restricted due to the barrier islands. The barrier islands combined with the shallow wind-mixed waters of the Sound (which promote re-suspension of sediments) give the Mississippi Sound its characteristic brownish color.

Evolution of coastal wetland habitats through historical and pre-historical times has largely shaped the Mississippi coastal environment into what we see today. In addition to the prolific productivity and filtering capabilities of wetlands, the physiography that they create is also beneficial. Protective bays and shallows are important habitats for seagrass, oysters, fish and shellfish. These landforms have evolved through time based primarily on the sediments carried by the rivers. Coastal erosion, river meandering or capture, coastal development, and changes in river transport have markedly affected the size and effectiveness of Mississippi's marsh habitats. The total coastal marsh (below the 15ft contour) within Mississippi's Coastal Streams River Basin is approximately 28,000 acres, making up roughly 50 percent of the total marsh habitat in Coastal Mississippi.

Mississippi has approximately 40 miles of coastal recreational beaches. These beaches are classified as primary contact recreation use. Information on the state's beaches and beach advisories can be found at the following website:
http://www.usm.edu/gcrl/msbeach/index.cgi

In terms of biological resources, the Gulf Sturgeon and the Swallow-tailed Kite can be found here as well as many more species. The Coastal Streams Basin has 16 federally listed threatened and/or endangered species as a whole. The Wolf River is a Mississippi Natural and Scenic Waterways System water body.

Hurricane Katrina Water Quality Impact Monitoring

On August 29, 2005, Hurricane Katrina slammed into the Louisiana and Mississippi coasts inflicting catastrophic damage of historical proportions to both states. In Mississippi, the tidal surge devastated the Mississippi Gulf Coast shoreline and inland bay areas. Following the storms, numerous federal and state agencies including the USEPA, the National Oceanic and Atmospheric Administration (NOAA), the US Food and Drug Administration (FDA), the U.S. Geological Survey (USGS), Gulf Coast Research Laboratory (GCRL), Mississippi Department of Marine Resources (MDMR), and MDEQ collaborated to conduct intensive monitoring of water, sediment, and fish and seafood tissue along the Mississippi Coast.

The agencies worked hard coordinating monitoring activities utilizing the strengths of each agency. This coordination provided maximum coverage with minimal overlap in a manner that maximized data comparability from site to site and from state to state across the Gulf.

- NOAA collected fish, shrimp, and oysters from the mouth of the Mississippi River to Mobile Bay, beginning September 12-13, 2005, and analyzed these samples for contaminants.
- USEPA Region 4 and MDEQ sampled 30 sites in the bays and estuaries. They analyzed water and sediment for a broad range of chemical contaminants and bacteria.
- USEPA Office of Research and Development, with assistance from MDEQ sampled 30 randomly selected sites in Mississippi Sound for water, sediment, and benthic community structure. These data can be compared to historical data from the National Coastal Assessment Program.
- USGS sampled the freshwater inflows to the bays and estuaries for contaminates.
- USGS and MDEQ sampled bacteria in the sound, bays and rivers beginning on September 19, 2005. USGS set up a temporary lab at Stennis Space Center, and sampled weekly at 45 sites.
- USEPA Region 4 sampled soil and sediment around eight high priority facilities in Mississippi to evaluate potential contamination from industrial sources.
- USEPA Region 4 sampled soil, sediment and groundwater at five National Priority List (NPL) or superfund sites in the Katrina affected area in Mississippi.
- FDA, MDEQ, MDMR, and GCRL cooperated to collect and analyze fish, shrimp and crabs from 16 sampling sites along the coast.

Some data from these studies are still being analyzed, and new reports will be coming out as this analysis is finalized, but the results reported to date indicate generally good water and sediment quality following the storm, and no increase in fish tissue contamination as

a result of the storm. The few problem areas that have been seen appear to be specific, isolated issues.

The USEPA Bay/Estuary report is available at http://www.epa.gov/region4/sesd/.

The USEPA Report on the five NPL facilities is available at:
http://www.epa.gov/region4/sesd/.

Detailed results of these and other Katrina related monitoring activities by USEPA can be found at the USEPA's web site, http://www.epa.gov/katrina/index.html.

Testing results by state, county or testing site can be viewed by using EnviroMapper at: www.epa.gov/enviro/katrina/emkatrina.html.

NOAA Monitoring Results are available at:
http://www.st.nmfs.noaa.gov/hurricane_katrina/water_sediment_survey.html.

USGS is planning a series of reports on their post Katrina monitoring activities. One report is located at: http://pubs.usgs.gov/ds/ds174/

Surface Water Assessment

Designated Use Support

The assessments for the Coastal Streams Basin were made based on data from 31 sampling locations in streams and rivers across the basin sampled by MDEQ FSD as part of the §303(d)/IBI wadeable streams project (M-BISQ), the §303(d) fecal coliform monitoring project, and the Beach Monitoring Program (Figure 15). Use support status for the basin is presented and summarized with causes of impairment in the following text.

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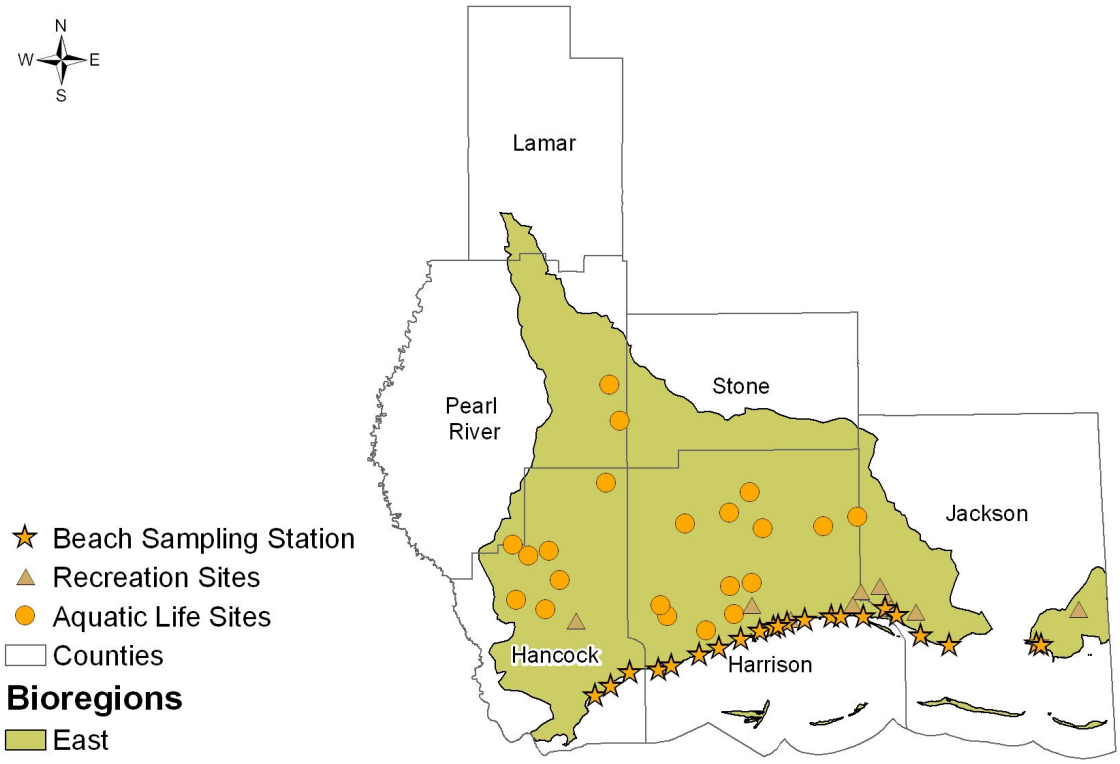

Figure 15: Coastal Streams Basin Monitoring Stations and M-BISQ Bioregions

MDEQ assessed approximately 24% (285 miles) of the total 1,190 perennial miles of streams and rivers in the Coastal Streams Basin (Figure 16). The status of water quality on the remaining 76% (905 miles) of the basin's perennial rivers and streams is unknown. The majority of stream miles (51%) in the Coastal Streams Basin is composed of intermittent streams and therefore is not readily assessable. Please refer to Table 4 at the end of this section for a tabular listing of all assessments. This table also provides the necessary information to cross-reference the §305(b) assessments with the §303(d) list.

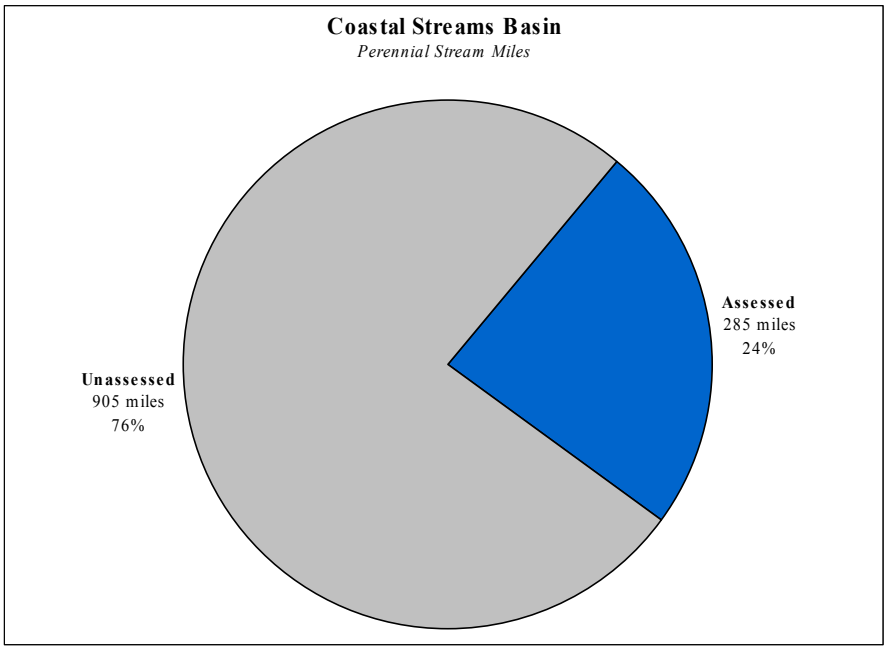

Figure 16: Coastal Streams Basin Assessment of Perennial Rivers and Streams

During this §305(b) reporting period, extensive monitoring was carried out by MDEQ and other agencies in Mississippi estuaries and coastal waters through a combination of ambient fixed station monitoring and special studies. Since 2000, MDEQ has been participating in USEPA's National Coastal Assessment (NCA) Program whose probabilistic design enables assessment of 100% of the nation's estuarine and coastal resources at various geographic scales. This type of survey design consists of sampling a population of interest in a manner that allows statistically valid statements to be made at a known confidence level about the entire population as a whole based on a sub-sample. The results of the analysis from the NCA program provide an unbiased estimate of the condition of estuarine and coastal resources and allow comprehensive assessments to be made at state, regional, bio-geographical and national levels to summarize the ecological health of coastal waters. Information and data analysis from the NCA program pertinent to aquatic life use assessment are now available and are used for the first time in Mississippi's 2006 §305(b) report development. An in-depth description of the monitoring activities involved with the NCA program can be found in Part V of the statewide report.

Each year, a new set of 30-50 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 three different strata – large estuaries, small estuaries, and tidal creeks and bayous. Site selection is provided by USEPA-Gulf Breeze. For the 2006 §305(b) reporting window (2000 – 2004), a total of 235 NCA monitoring sites were available for assessment purposes (Figure 17).

Assessments were based on three conventional parameters: dissolved oxygen, pH, and temperature. These data were used to assess ALUS attainment. Based on NCA data

analysis, approximately 98% of all Mississippi coastal waters fully support aquatic life use for these three parameters (Table 2). Results can be further broken down by water body type and are provided in Table 3.

Table 2: NCA Conventional Parameter Summary – All MS Coastal Waters

Classification	Dissolved Oxygen		Temperature		pH	
All Mississippi Coastal Waters	Attaining	96.1%	Attaining	98.7%	Attaining	98.7%
	Nonattaining	3.0%	Nonattaining	0.4%	Nonattaining	0.4%
	Unknown	0.9%	Unknown	0.9%	Unknown	0.9%

Table 3: NCA Conventional Parameter Summary – MS Coastal Waters by Strata

Classification	Dissolved Oxygen		Temperature		pH	
Large Estuaries	Attaining	95.8%	Attaining	99.2%	Attaining	99.2%
	Nonattaining	3.3%	Nonattaining	0%	Nonattaining	0%
	Unknown	0.8%	Unknown	0.8%	Unknown	0.8%
Small Estuaries	Attaining	98.9%	Attaining	97.8%	Attaining	98.9%
	Nonattaining	0%	Nonattaining	1.1%	Nonattaining	0%
	Unknown	1.1%	Unknown	1.1%	Unknown	1.1%
Tidal Creeks and Bayous	Attaining	84.2%	Attaining	100%	Attaining	94.7%
	Nonattaining	15.8%	Nonattaining	0%	Nonattaining	5.3%
	Unknown	0%	Unknown	0%	Unknown	0%

The larger percentage of low dissolved oxygen in tidal creeks and bayous is not considered problematic in Mississippi coastal waters due to several factors. The number of tidal creek/bayou sites is small in population compared to the rest of the NCA water body types, only 19 sites. Of these, three sites had dissolved oxygen levels less than the 4.0 mg/L minimum state water quality criterion but only one of these had a dissolved oxygen level less than 3.0 mg/L. In addition, low dissolved oxygen conditions are common in constricted coastal waters such as estuarine creeks and bayous with most of these conditions naturally occurring during the summer months. Although localized dissolved oxygen problems due to anthropogenic pollution sources can and do occur, high water

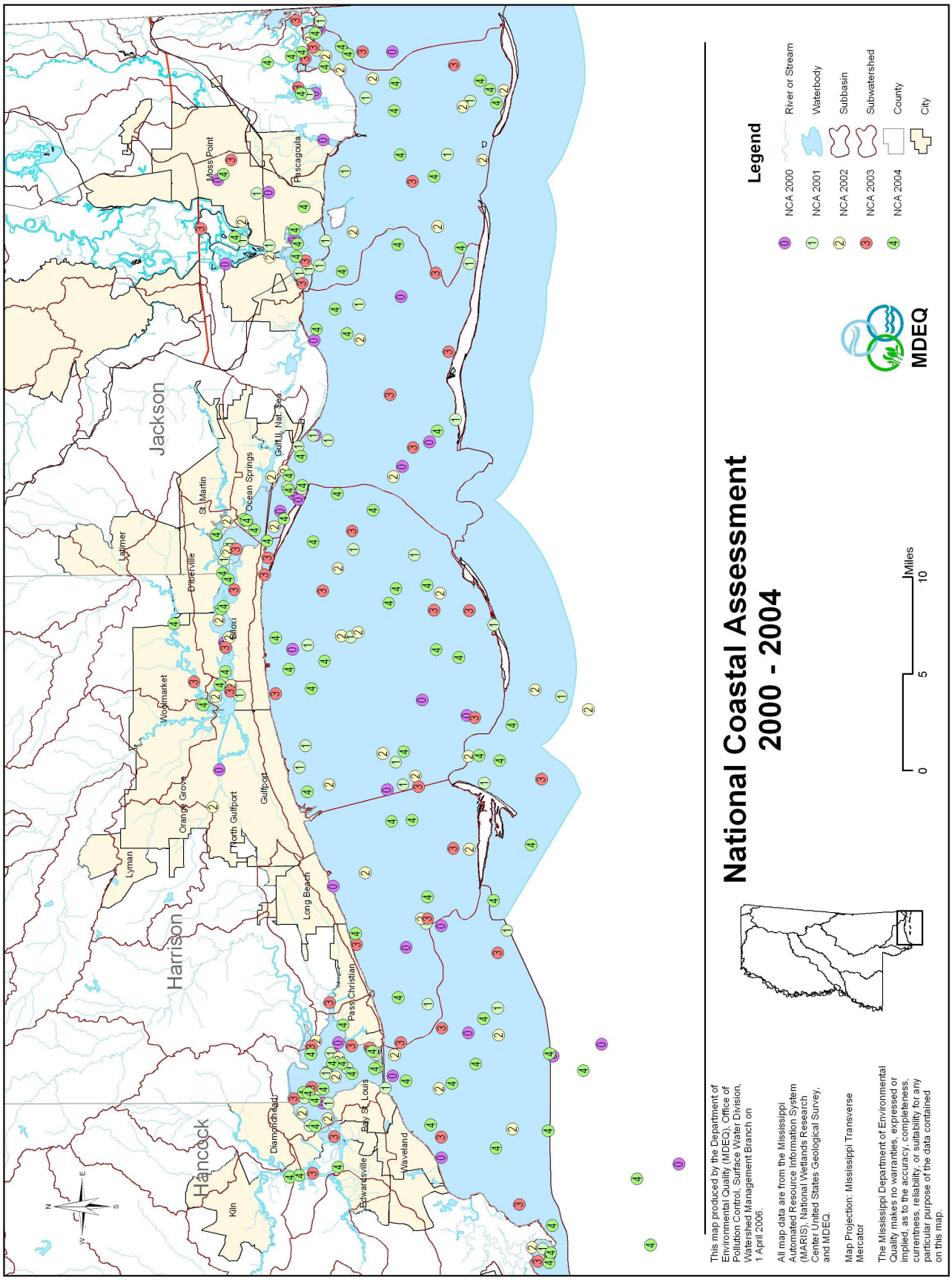

Figure 17 National Coastal Assessment Map

temperatures, saline/freshwater stratification, and salt marsh interactions which are prevalent in Mississippi estuarine waters frequently combine to result in periods of low dissolved oxygen during this time of year.

The other data that met CALM requirements were collected by MDEQ during an intensive water quality study of Bayou Casotte located at Pascagoula. Conducted in August – October 2002, this study involved diel monitoring over a three month period to assess the impacts of an industrial facility discharge into the bayou. This heavily industrialized bayou has been the subject of chronic water quality complaints. Based on these data, Bayou Casotte was assessed as nonattaining of the aquatic life use for the upper portion of the bayou above the Bayou Casotte Turning Basin/Shipping Channel. The cause of the nonattainment is attributed to low dissolved oxygen and unionized ammonia. More information on the monitoring activities involved with this intensive study can be found in Part V of the 2006 §305(b) report.

Historically, MDEQ assessed the Shellfish Consumption Use for coastal waters based on information provided by MDMR from the National Shellfish Sanitation Program in Mississippi. Because of hurricane damage sustained in 2005, all shellfish beds are closed. The Shellfish Harvesting Use was not assessed for this report due to data loss at MDMR during hurricane Katrina. There is currently one fish advisory active on the waters in the Coastal Streams Basin. This is a "blanket" advisory for the consumption of king mackerel from the Gulf of Mexico due to mercury. For complete information on advisories, see Part III Public Health Concerns and Advisories in the 2006 §305(b) report.

Causes of Impairment of Designated Uses

Causes and sources of impairment were evaluated for streams and rivers having one or more uses impaired. Causes of impairment were determined for all ALUS impaired assessments in the Coastal Streams Basin (Figure 18). Causes of ALUS impairment noted in the basin are sediment/siltation, organic enrichment/low DO, nutrients, or any combination of the three. Pathogens are the sole assessed cause for Recreational Use Support impairment.

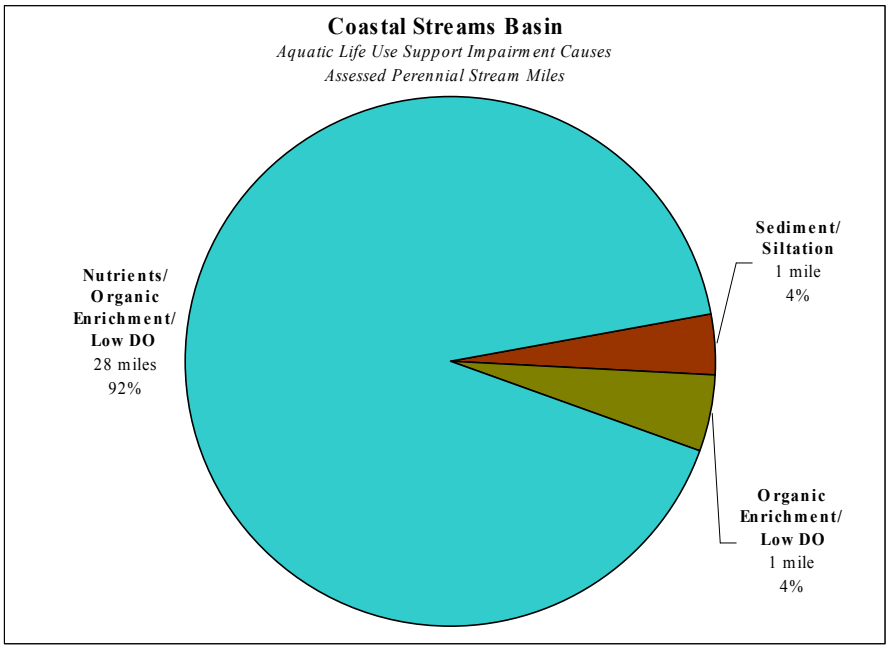

Figure 18: Summary of Impairment Causes for Aquatic Life Use Support in Perennial Rivers and Streams-Coastal Streams Basin

Aquatic Life Use Support

As stated earlier, all of the ALUS assessments in streams were based on biological monitoring data collected as part of the development of Mississippi's IBI process, M-BISQ. Of the Coastal Streams Basin's assessed stream and river miles, approximately 227 miles of perennial rivers and streams are attaining their aquatic life use, while 30 miles were assessed as not attaining and are considered impaired (Figure 19). Figure 20 depicts a geo-referenced coverage of the Aquatic Life Use Support assessments for the Coastal Streams Basin.

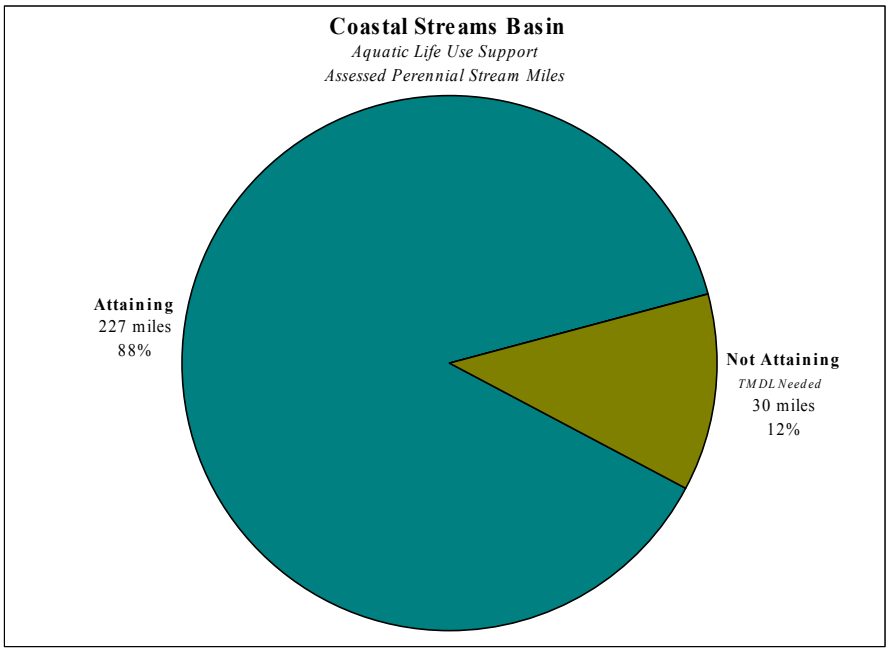

Figure 19: Aquatic Life Use Support-Coastal Streams Basin

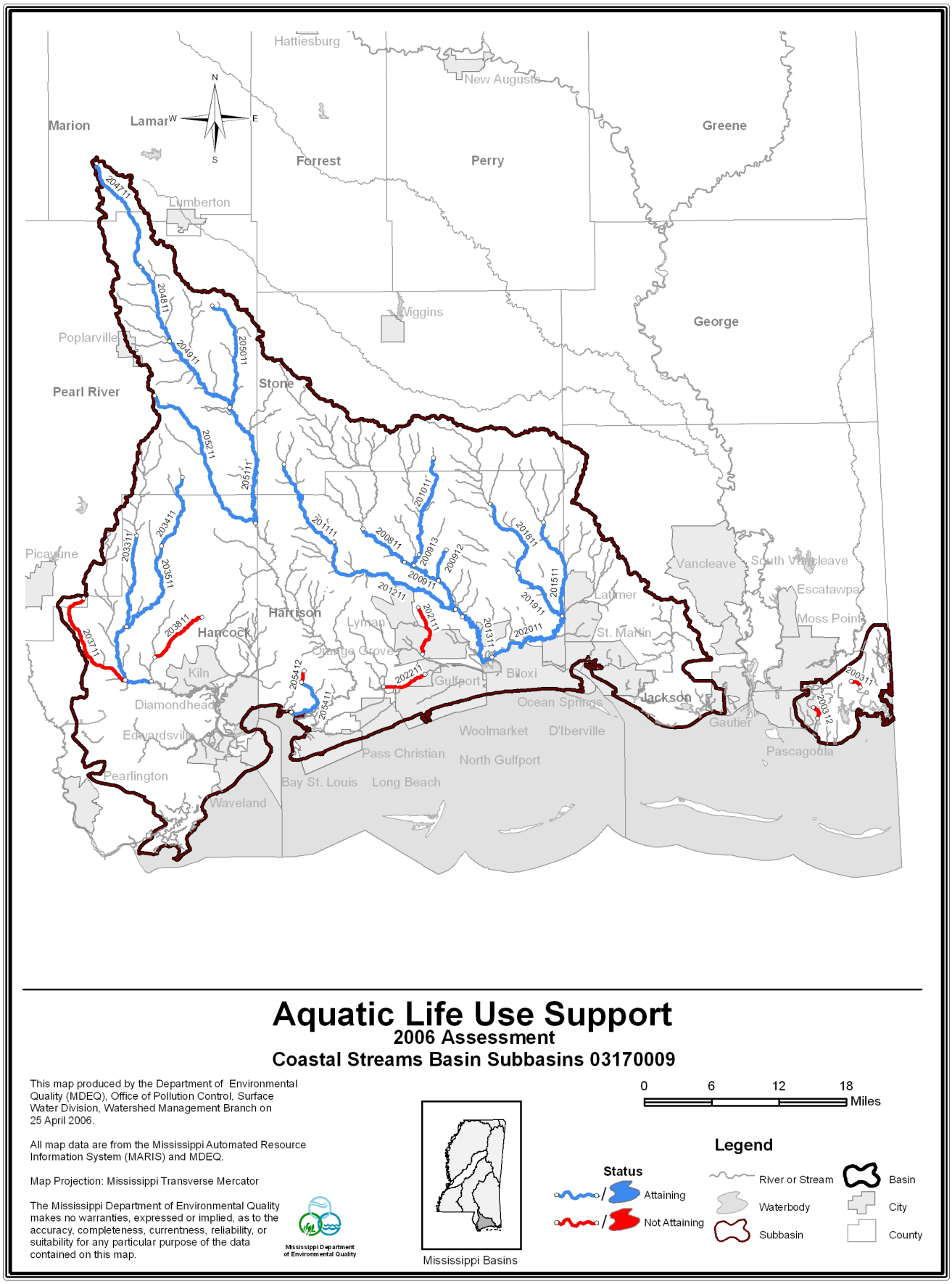

Figure 20: Aquatic Life Use Support Map-Coastal Streams Basin

Contact Recreation Use Support

Data collected as part of a statewide §303(d) fecal coliform project were used to make Contact Recreation Use Support assessments. This includes streams that are classified as primary contact recreation as well as streams with data for secondary contact recreation. Both classifications are subject to the same standards in the contact recreation season. For more information on the state's water quality standards, please review the document: State of Mississippi Water Quality Criteria for Intrastate, Interstate and Coastal Waters (2002) which can be found at the following website: www.deq.state.ms.us. Of the Coastal Streams Basin's assessed stream and river miles, approximately 17 miles of perennial rivers and streams are attaining their recreation use, while 18 miles were assessed as not attaining and are considered impaired (Figure 21). Of the 84 miles of Mississippi coastal shoreline, 16 miles were assessed using the MDEQ Beach Monitoring Program data. Based on these data, all assessed beaches (19% of total) were found to be not attaining for primary contact recreation. Elevated bacterial concentrations resulted in occasional beach closures, due primarily to urban runoff from unspecified non point sources. 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. Figure 22 depicts a geo-referenced coverage of the Contact Recreation Use Support assessments for the Coastal Streams Basin.

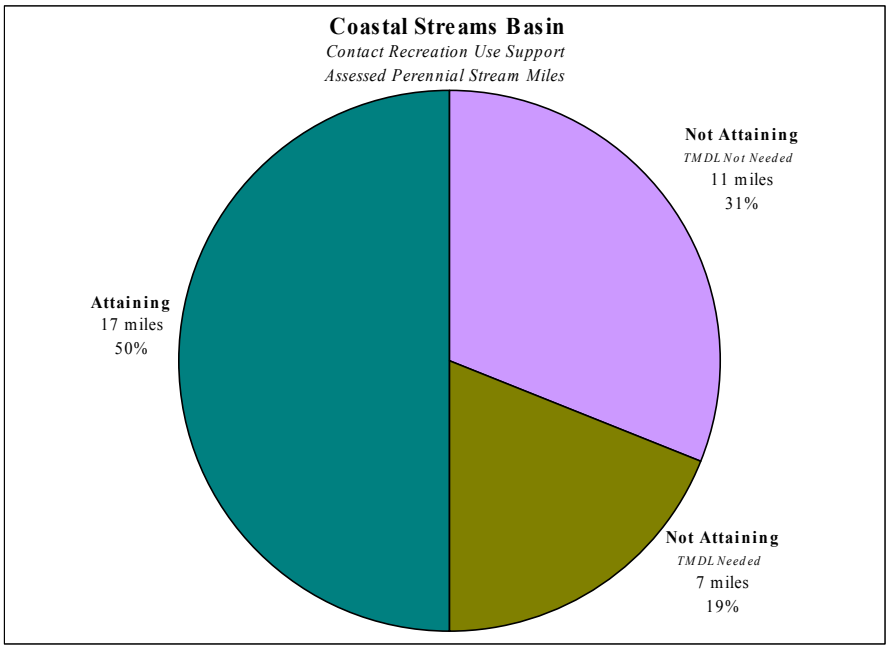

Figure 21: Contact Recreation Use Support-Coastal Streams Basin

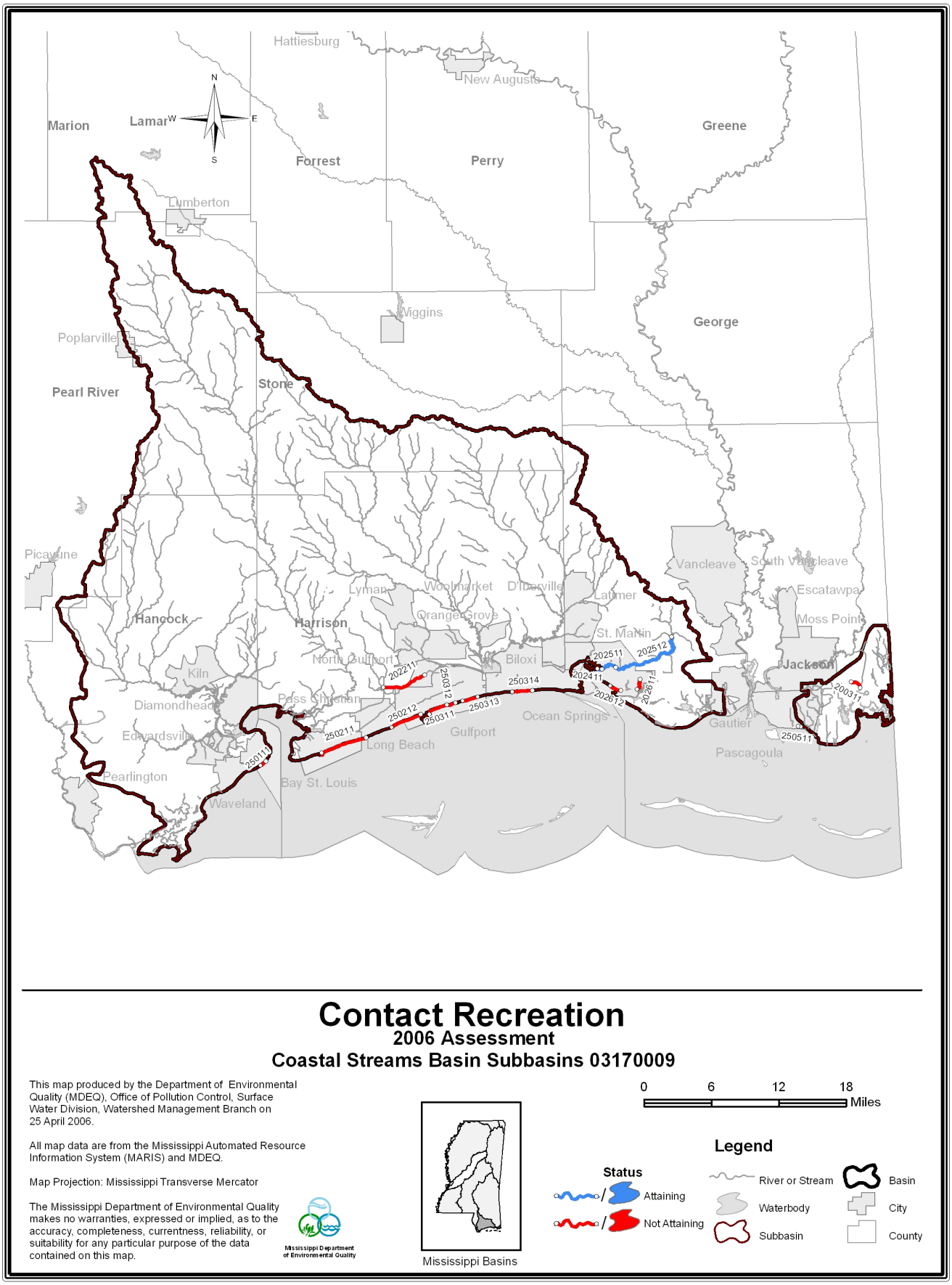

Figure 22: Contact Recreation Use Support Map-Coastal Streams Basin

Table 4: 2006 §305(b) Assessed Water Bodies-Coastal Streams Basin

COASTAL STREAMS				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
BAY ST LOUIS BEACH	250111	250111	Primary Contact (Recr)	Not Attaining
LOCATION: FROM WASHINGTON STREET TO THE CULVERT JUST NORTH OF RAMANEDA STREET				
BAYOU CASOTTE	200312	MS109E04M	Aquatic Life Support	Not Attaining
LOCATION: FROM LOUISE STREET TO THE TURNING BASIN				
BAYOU CUMBEST	200311	200311	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: NEAR ORANGE GROVE FROM HEADWATERS TO BAYOU CUMBEST ESTUARY				
BILOXI RIVER	200811	MS116M2	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MWS 2009 BOUNDARY				
BILOXI RIVER	201311	MS116M2	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH MILL CREEK TO CONFLUENCE WITH TCHOUTACABOUFFA RIVER				
BILOXI RIVER	200911	MS116M2	Aquatic Life Support	Attaining
LOCATION: FROM MWS 2008 BOUNDARY TO CONFLUENCE WITH MILL CREEK AT MWS 2013 BOUNDARY				
BILOXI WEST CENTRAL BEACH	250314	250314	Primary Contact (Recr)	Not Attaining
LOCATION: FROM TRAVIA TO I'BERVILLE DRIVE				
CATAHOULA CREEK	203311	MS112E1	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH JOURDAN RIVER				

COASTAL STREAMS				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
CRANE CREEK LOCATION: FROM HEADWATERS TO MOUTH AT WOLF RIVER	205211	N/A	Aquatic Life Support	Attaining
DEAD TIGER CREEK LOCATION: FROM HEADWATERS TO MOUTH AT CATAHOULA CREEK	203711	MS112DT	Aquatic Life Support	Not Attaining
DELISLE BAYOU LOCATION: FROM HEADWATERS TO MOUTH AT ST LOUIS BAY	205411	MS114DLE	Aquatic Life Support	Attaining
FLAT BRANCH LOCATION: FROM HEADWATERS TO MOUTH AT BERNARD BAYOU	202111	MS118F	Aquatic Life Support	Not Attaining
GULFPORT CENTRAL BEACH LOCATION: FROM ALFONSO DRIVE TO VA MAIN ENTRANCE	250312	250312	Primary Contact (Recr)	Not Attaining
GULFPORT EAST BEACH LOCATION: FROM LAUREL DRIVE TO ANNISTON AVENUE	250313	250313	Primary Contact (Recr)	Not Attaining
GULFPORT HARBOR BEACH LOCATION: FROM 15TH STREET TO THORNTON AVENUE	250311	250311	Primary Contact (Recr)	Not Attaining
GULFPORT WEST BEACH LOCATION: FROM MARIE AVENUE TO CAMP AVENUE	250212	250212	Primary Contact (Recr)	Not Attaining

COASTAL STREAMS				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
HERON BAYOU	202611	MS118HBE	Secondary Contact	Not Attaining, TMDL Completed
LOCATION: NR OCEAN SPRINGS FROM HEADWATERS TO MOUTH AT DAVIS BAYOU				
HICKORY CREEK	203411	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MWS 2035 BOUNDARY				
HICKORY CREEK	203511	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS 2034 BOUNDARY TO MOUTH AT CATAHOULA CREEK				
LITTLE BILOXI RIVER	201111	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MWS 2012 BOUNDARY				
LITTLE BILOXI RIVER	201211	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS 2011 BOUNDARY TO MOUTH AT BILOXI RIVER				
MURDER CREEK	205011	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT WOLF RIVER				
OLD FORT BAYOU	202411	MS118M1	Primary Contact (Recr)	Attaining
LOCATION: FROM 2025 WATERSHED BOUNDARY TO WASHINGTON ST BRIDGE				
OLD FORT BAYOU	202512	MS118M1	Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE OF BAYOU TALLA				

COASTAL STREAMS				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
OLD FORT BAYOU	202511	MS118M1	Primary Contact (Recr)	Attaining
LOCATION: FROM BAYOU TALLA TO THE WATERSHED 2024 BOUNDARY				
ORPHAN CREK	203811	203811	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT BAYOU BACON				
PASCAGOULA BEACH WEST	250511	250511	Primary Contact (Recr)	Not Attaining
LOCATION: FROM OLIVER STREET TO WESTWOOD				
PASS CHRISTIAN EAST BEACH	250211	250211	Primary Contact (Recr)	Not Attaining
LOCATION: FROM EPSY AVENUE TO HAYDEN AVENUE				
SAUCIER CREEK	200913	MS116M1	Aquatic Life Support	Attaining
LOCATION: FROM MWS 2010 BOUNDARY TO MOUTH AT BILOXI RIVER				
SAUCIER CREEK	201011	MS116M1	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MWS 2009 BOUNDARY				
SHEARWATER BEACH	202612	202612	Primary Contact (Recr)	Not Attaining
LOCATION: FROM WEEKS BAYOU TO HALSTEAD RD				
TCHOUTACABOUFFA RIVER	201511	MS117M1	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH RAMSEY CREEK AT MWS 2014 BOUNDARY TO CONFLUENCE WITH TUXACHANIE CREEK				

COASTAL STREAMS				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
TCHOUTACABOUFFA RIVER	202011	MS117MQ	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH TUXACHANIE CREEK TO CONFLUENCE WITH BILOXI RIVER				
TIGER CREEK	200912	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT BILOXI RIVER				
TURKEY CREEK	202211	MS118BBM1	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE WITH CANAL NUMBER 2 TO HWY 49 BRIDGE				
TUXACHANIE CREEK	201811	MS117M2	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH BIGFOOT CREEK TO CONFLUENCE WITH HESTER CREEK				
TUXACHANIE CREEK	201911	MS117M2	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH HESTER CREEK TO CONFLUENCE WITH TCHOUTACABOUFFA RIVER				
UNNAMED TRIB TO DELISLE BAYOU	205412	MS114M1	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH DELISLE BAYOU				
WOLF CREEK	204711	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MWS 2048 BOUNDARY				
WOLF RIVER	204811	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS 2047 BOUNDARY TO MWS 2049 BOUNDARY				

COASTAL STREAMS				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
WOLF RIVER	204911	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS 2048 BOUNDARY TO MWS 2051 BOUNDARY				
WOLF RIVER	205111	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS 2049 BOUNDARY TO CONFLUENCE WITH CRANE CREEK				

NORTH INDEPENDENT STREAMS BASIN

Basin Description

The North Independent Streams Basin is located in north Mississippi and consists of those streams which primarily drain into the State of Tennessee. This basin comprises all or part of 7 counties in north Mississippi (Figure 23). Major streams in the basin include the Tuscumbia River, Horn Lake Creek, Muddy Creek, Wolf River, and Hatchie River.

The uniqueness of this basin is that, for its small area, it is composed of portions of four physiogeographic sub-regions: Loess Bluffs, Red Clay Hills, Flatwoods, and Pontotoc Ridge. Most of the region is made up of low to high, rolling hills and is largely forested. The two largest urban areas in the basin are located on opposite ends with Southaven, a suburb of Memphis, TN, on the west and the city of Corinth on the east.

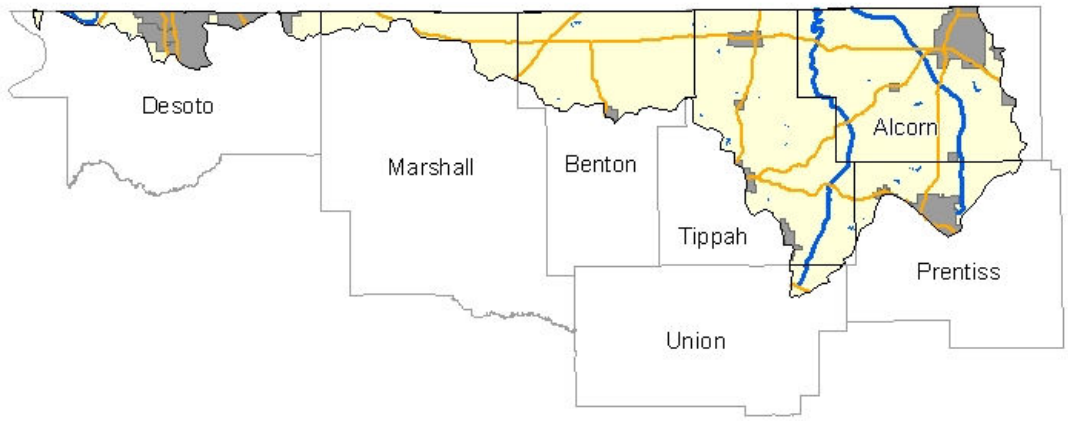

Figure 23: North Independent Streams Basin (MDEQ)

The population for the counties within the North Independent Streams Basin was estimated in 2000 at approximately 182,000. There has been a 43% increase in population since 1990 with almost all the growth in Desoto County. The largest county populations are found in DeSoto (the fastest growing county in the state) and Alcorn counties around the cities of Southaven and Corinth, respectively.

Land Use

The primary land use in the North Independent Streams Basin is agriculture. The next principal land use in the North Independent Streams Basin is forestry (silviculture) with some concentrated areas of industry around the cities of Southaven, Olive Branch, and Corinth. A depiction of the major land cover in the basin is given in Figure 24.

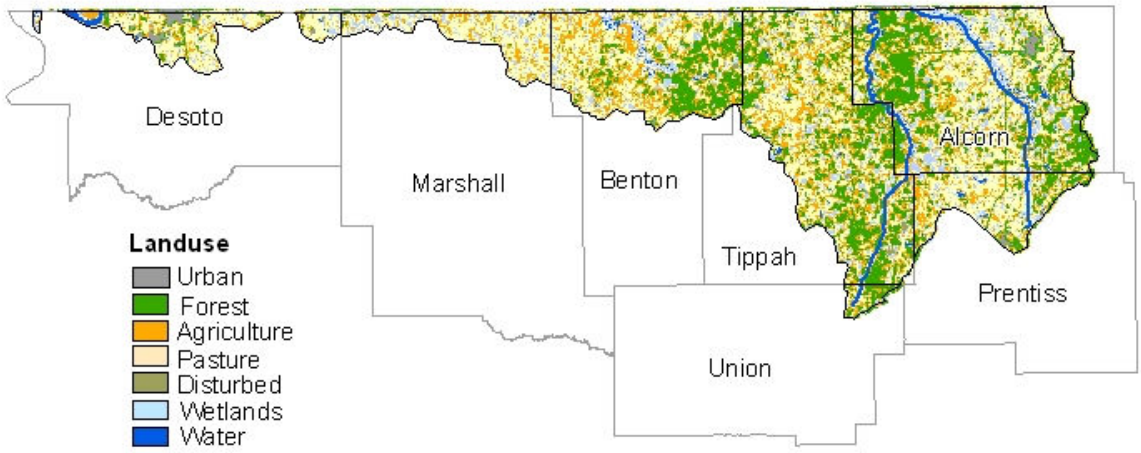

Figure 24: Major Land Cover in the North Independent Streams Basin (MARIS)

Urban areas make up only 2% of the land cover of the basin (Figure 25). Overall, land cover is dominated by *Agricultural* (49%) and includes croplands and pastures. The next largest portion is natural *Forest* (33%), which includes evergreen, deciduous and mixed-forested areas. *Disturbed areas* (strip mines, gravel pits, sandy areas, barren, and transitional areas) make up 13% of the land use in the basin. *Water (*streams, lakes, and reservoirs), and *Wetland* (forested and nonforested) comprise the remaining 3% of the basin.

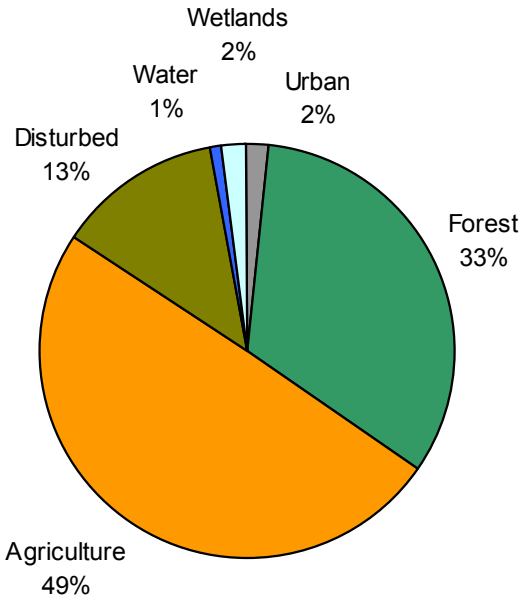

Figure 25: Distribution of Land Cover in the North Independent Streams Basin (MARIS)

Water Resources

The North Independent Streams Basin has a total of 1,945 miles of perennial and intermittent rivers and streams. The majority of these water bodies are classified as Fish and Wildlife streams. Several small ditches and a portion of Tubby Creek, all located below point source discharges, are classified as Ephemeral in the state's WQS. Streams in the basin vary greatly and have sandy, muddy, or clay bottoms with either fast or sluggish flow.

Few major public reservoirs and lakes are found in the North Independent Streams Basin. The largest is Horn Lake located near Memphis, Tennessee which is classified for recreational use. Another notable lake in the basin is Tippah County Lake found in Tippah County State Park located near Ripley. The North Independent Streams Basin has two federally endangered species. This basin also includes one water body, Hatchie River, proposed for review as a potential Mississippi Natural and Scenic Waterways System water body.

Surface Water Assessment

Designated Use Support

The assessments for the North Independent Streams Basin were made based on data from 25 sampling locations in streams and rivers across the basin sampled by MDEQ FSD as part of the §303(d)/IBI wadeable streams project (M-BISQ) and the §303(d) fecal coliform monitoring project (Figure 26). Use support status for the basin is presented and summarized with causes of impairment.

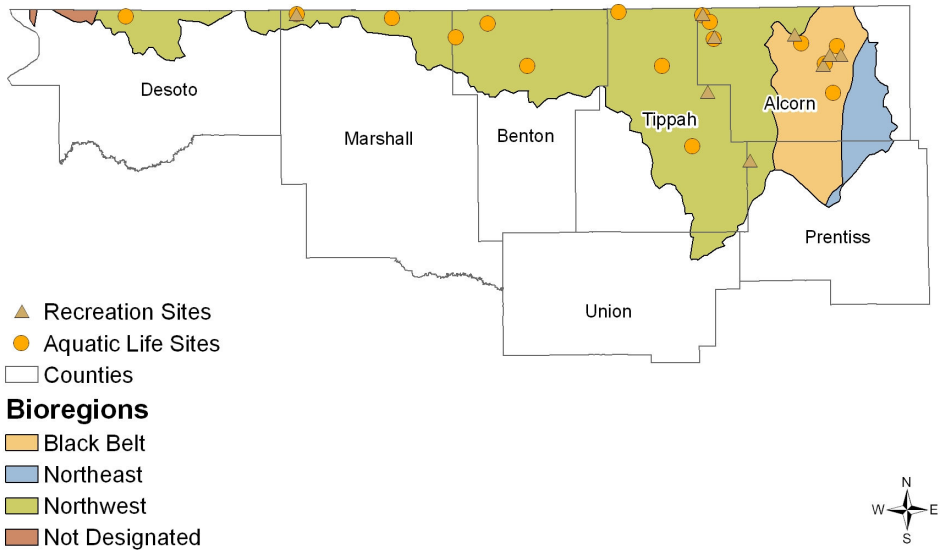

Figure 26: North Independent Streams Basin Monitoring Stations and M-BISQ Bioregions

MDEQ assessed approximately 27% (149 miles) of the total 561 perennial miles of streams and rivers in the North Independent Streams Basin. The status of water quality on the remaining 73% (412 miles) of the basin's perennial rivers and streams is unknown. The majority of stream miles (71%) in the North Independent Streams Basin is composed of intermittent streams and therefore is not readily assessable. A summary of the basin's assessed rivers and streams is found in Figure 27. Please refer to Table 5 at the end of this section for a tabular listing of all assessments. This table also provides the necessary information to cross-reference the §305(b) assessments with the §303(d) list.

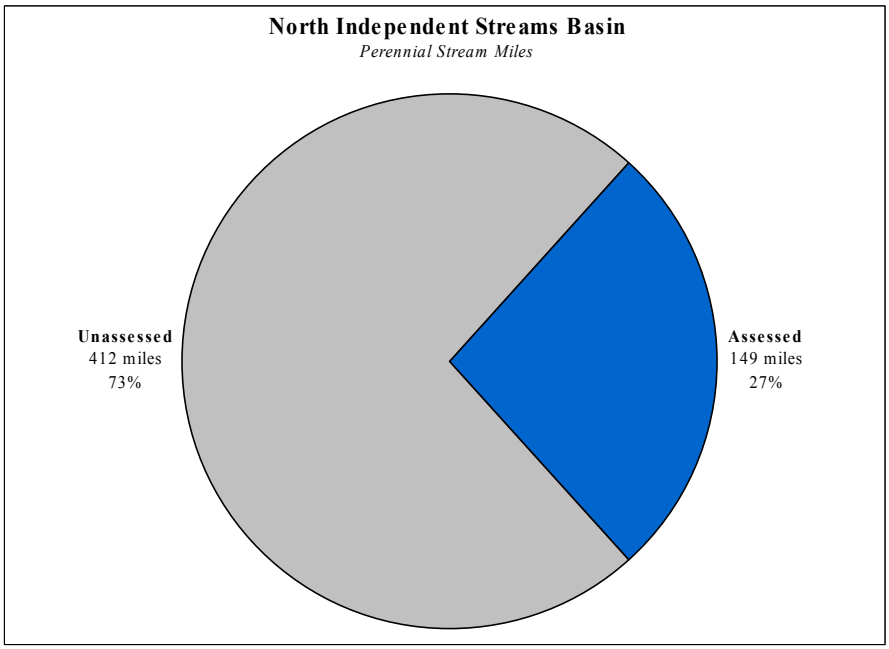

Figure 27: North Independent Streams Basin Assessment of Perennial Rivers and Streams

Causes of Impairment of Designated Uses

Causes of impairment were determined for most ALUS impaired streams. Pathogens are the cause for Recreational Use Support impairment. Total assessed mileages of streams and rivers affected by various cause categories are given in Figure 28. Causes of ALUS impairment noted in the basin are sediment/siltation, organic enrichment/low DO, nutrients, or any combination of the three.

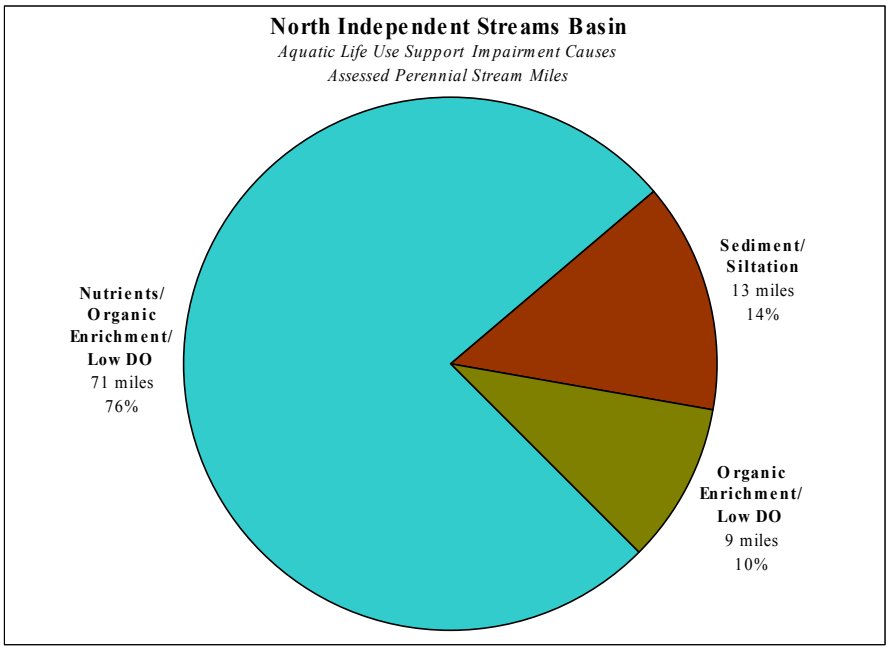

Figure 28: Summary of Impairment Causes for Aquatic Life Use Support in Perennial Rivers and Streams-North Independent Streams Basin

Aquatic Life Use Support

As stated earlier, all of the Aquatic Life Use Support assessments were based on biological monitoring data collected as part of the development of Mississippi's IBI process, M-BISQ. Of the North Independent Streams Basin's assessed stream and river miles, approximately 46 miles of perennial rivers and streams are attaining their aquatic life use, while 93 miles were assessed as not attaining and are considered impaired (Figure 29). Figure 30 depicts a geo-referenced coverage of the Aquatic Life Use Support assessments for the North Independent Streams Basin.

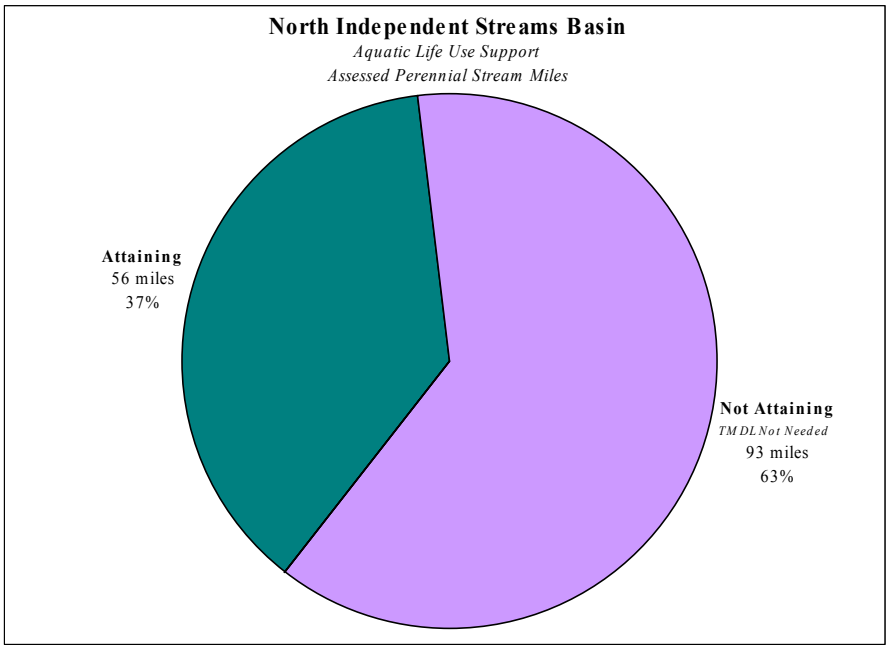

Figure 29: Aquatic Life Use Support-North Independent Streams Basin

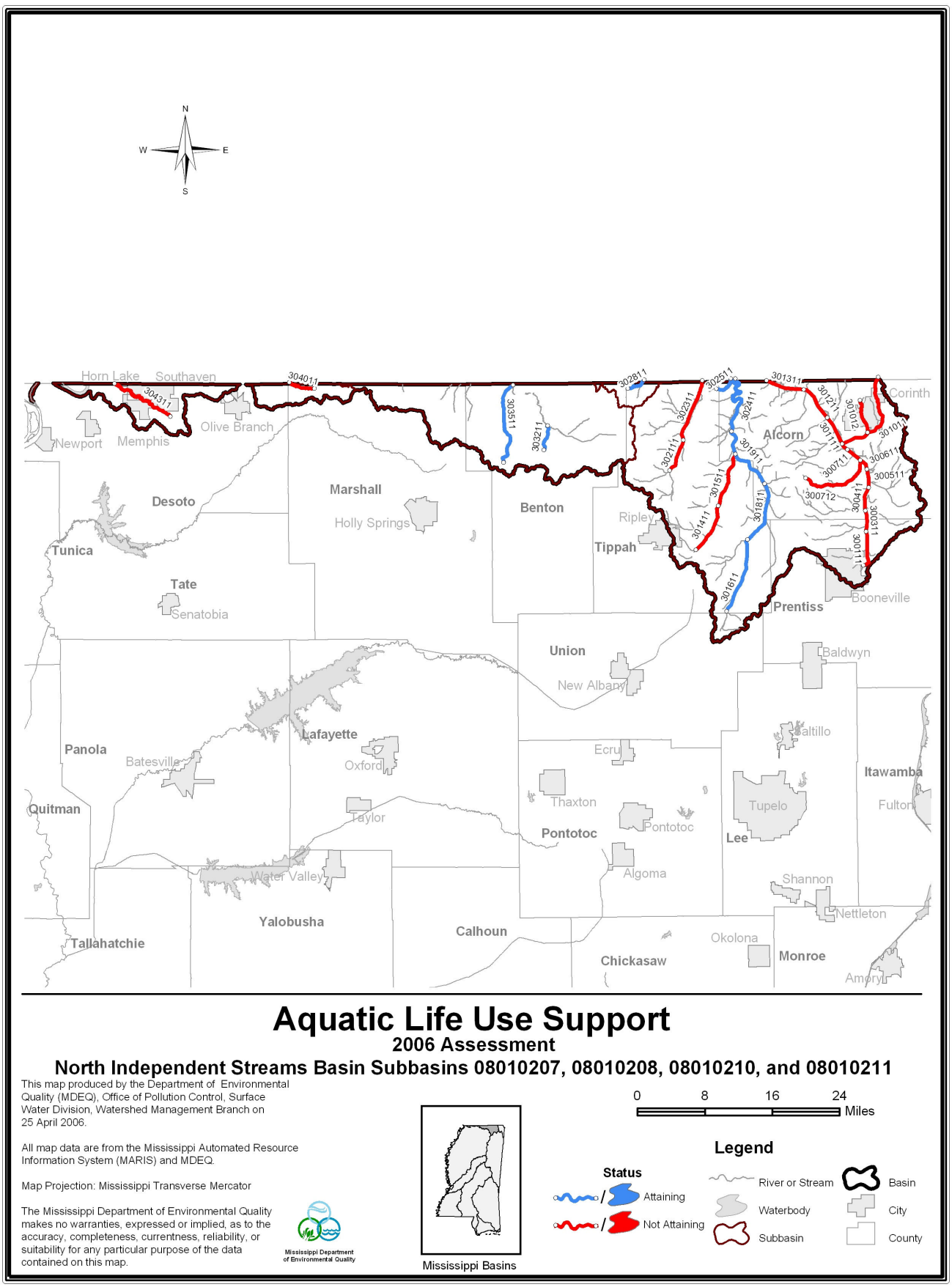

Figure 30: Aquatic Life Use Support Map-North Independent Streams Basin

Contact Recreation Use Support

Data collected as part of a statewide §303(d) fecal coliform project were used to make the Contact Recreation Use Support assessments. This includes streams that are classified as primary contact recreation as well as streams with data for secondary contact recreation. Both classifications are subject to the same standards in the contact recreation season. For more information on the state's water quality standards, please review the document: State of Mississippi Water Quality Criteria for Intrastate, Interstate and Coastal Waters (2002) which can be found at the following website: www.deq.state.ms.us. Of the North Independent Streams Basin's assessed stream and river miles, approximately 13 miles of perennial rivers and streams are attaining their recreation use, while 80 miles were assessed as not attaining and are considered impaired (Figure 31). Figure 32 depicts a geo-referenced coverage of the Contact Recreation Use Support assessments for the North Independent Streams Basin.

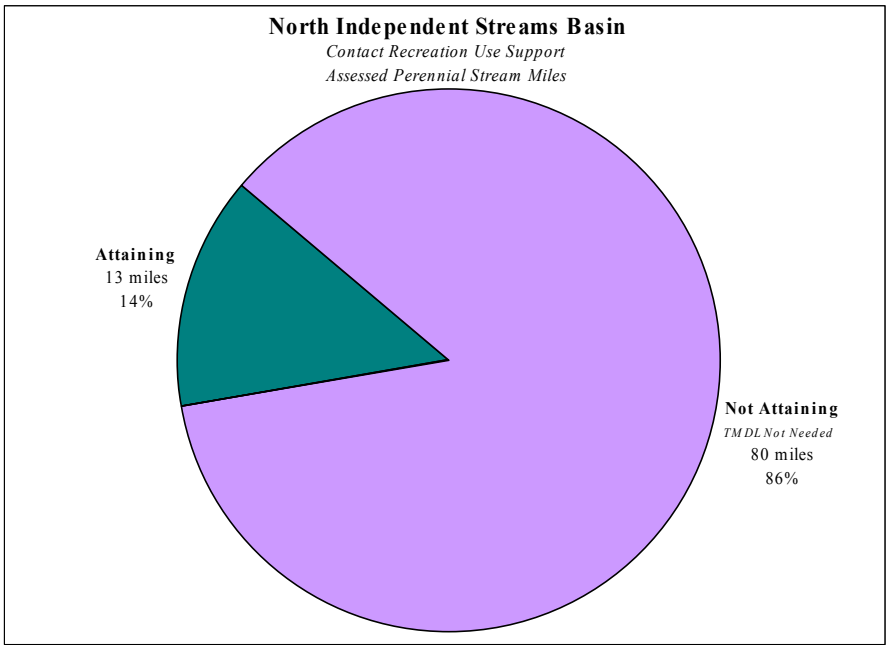

Figure 31: Contact Recreation Use Support-North Independent Streams Basin

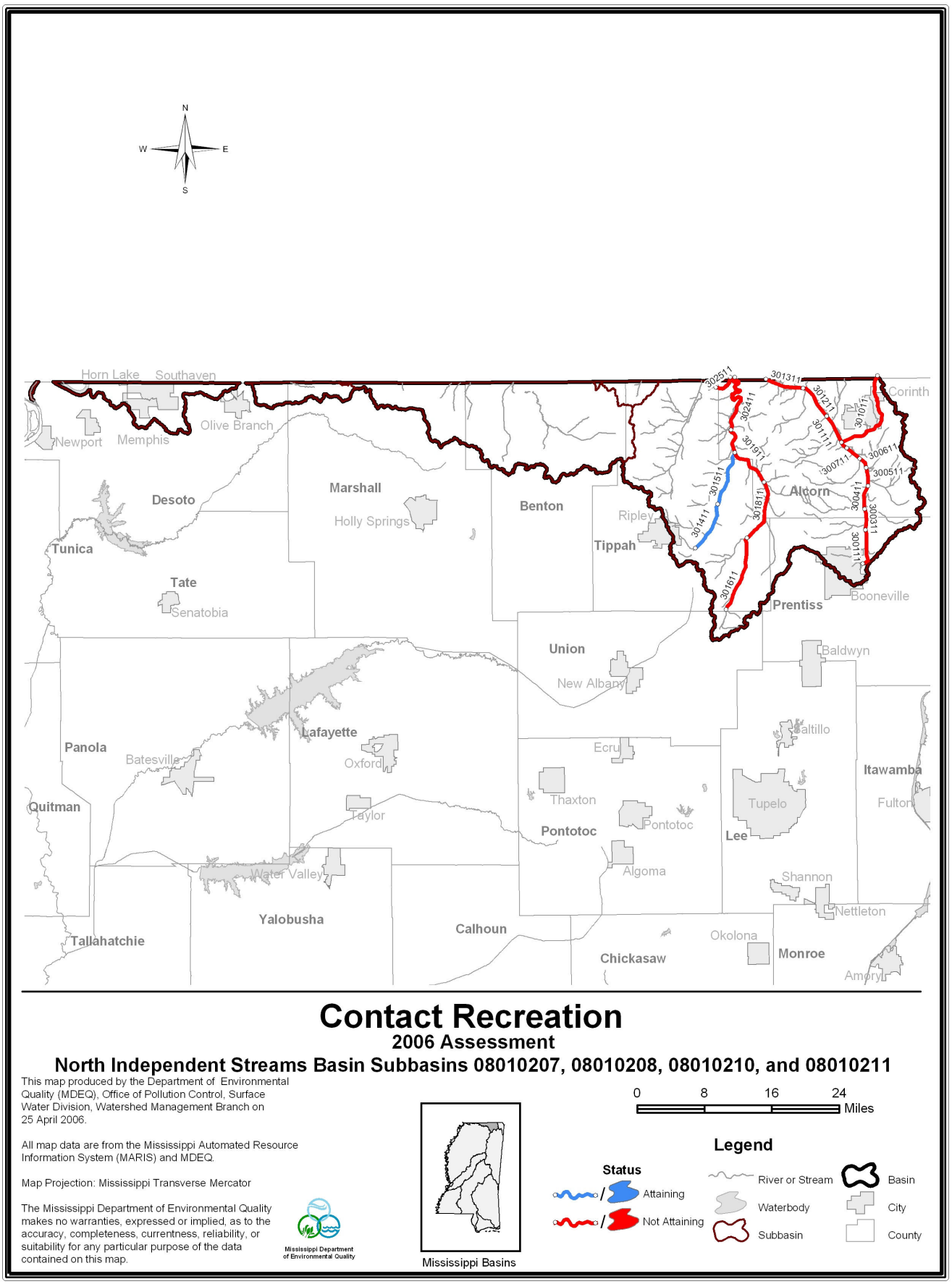

Figure 32: Contact Recreation Use Support Map-North Independent Streams Basin

Table 5: 2006 §305(b) Assessed Water Bodies-North Independent Streams Basin

NORTH INDEPENDENT STREAMS				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
BEARMAN CREEK	302511	MS202E	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO MS/TN STATE BOUNDARY				
BRIDGE CREEK	301011	MS203BE	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: AT CORINTH FROM HEADWATERS TO CONFLUENCE WITH TUSCUMBIA RIVER CANAL				
ELAM CREEK	301012	MS204E	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO MOUTH AT BRIDGE CREEK				
GRAY'S CREEK	303511	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO TN STATE LINE				
HATCHIE RIVER	301611	MS200E	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: NEAR LONE PINE FROM HEADWATERS TO 3016 MWS BOUNDARY				
HATCHIE RIVER	302411	MS200E	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM 3019 MWS BOUNDARY TO TN STATE LINE				
HATCHIE RIVER	301811	MS200E	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM 3016 MWS BOUNDARY TO 3018 MWS BOUNDARY				
HATCHIE RIVER	301911	MS200E	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM 3019 MWS BOUNDARY TO 3018 MWS BOUNDARY				

NORTH INDEPENDENT STREAMS				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
HORN LAKE CREEK	304311	MS217HE	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: AT HERNANDO FROM HEADWATERS TO TN STATE LINE				
LITTLE HATCHIE RIVER	301411	MS201E	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Attaining
LOCATION: NR CRUMTOWN FROM HEADWATERS TO 3014 MWS WATERSHED BOUNDARY				
LITTLE HATCHIE RIVER	301511	MS201E	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Attaining
LOCATION: FROM 3014 MWS BOUNDARY TO CONFLUENCE WITH HATCHIE RIVER				
MUDDY CREEK	302111	MS206E	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM 3020 MWS BOUNDARY TO 3023 MWS BOUNDARY				
MUDDY CREEK	302311	MS206E	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM MWS 3021 BOUNDARY TO TN STATE LINE				
NONCONNAH CREEK	304011	MS216NE	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO MS/TN STATE BOUNDARY				
PARMICHA CREEK	300712	MS203TM2	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO MOUTH AT TUSCUMBIA RIVER CANAL				
PORTERS CREEK	302811	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO TN STATE LINE				

NORTH INDEPENDENT STREAMS				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
ROBERSON CREEK	303211	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT WOLF RIVER				
TUSCUMBIA	300311	MS203TE	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM 3001 MWS BOUNDARY TO 3003 MWS BOUNDARY				
TUSCUMBIA RIVER CANAL	300111	MS203TE	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: NEAR CUBA FROM HEADWATERS TO BOUNDARY WITH 3001 MWS				
TUSCUMBIA RIVER CANAL	300411	MS203TE	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM 3003 MWS BOUNDARY TO CONFLUENCE WITH JOBES CREEK				
TUSCUMBIA RIVER CANAL	301311	MS203TE	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUNECE WITH TAREBREECHES CREEK TO TN STATE LINE				
TUSCUMBIA RIVER CANAL	301211	MS203TE	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM FROM CONFLUENCE WITH EASTES CREEK TO TAREBREECHES CREEK				
TUSCUMBIA RIVER CANAL	300711	MS203TE	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE WITH PARMICHA CREEK TO CONFLUENCE WITH UNKNOWN TRIB				
TUSCUMBIA RIVER CANAL	300511	MS203TE	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE OF JOBES CREEK TO CONFLUENCE WITH CLEAR CREEK				

NORTH INDEPENDENT STREAMS				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
TUSCUMBIA RIVER CANAL	300611	MS203TE	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE OF CLEAR CREEK TO CONFLUENCE PARMICHA CREEK				
TUSCUMBIA RIVER CANAL	301111	MS203TE	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE OF UNKNOWN TRIB THE CONFLUENCE OF EASTES CREEK				

PASCAGOULA RIVER BASIN

Basin Description

The Pascagoula River Basin is the second largest basin in Mississippi at approximately 164 miles long and 84 miles wide and comprises most of southeastern Mississippi with a small part extending into southwestern Alabama. The two main headwater streams in the basin are the Leaf and the Chickasawhay Rivers which eventually converge to form the Pascagoula River. The Pascagoula River system, comprised of all or part of 22 counties, drains an area of about 9,600 square miles and eventually empties into the Gulf of Mexico. The Pascagoula River System is the last unimpeded major river system in the lower 48 states (Figure 33).

Figure 33: Pascagoula River Basin (MDEQ)

Near the Gulf Coast, the topography consists of low-lying flatlands, forested wetlands, and marshlands. Farther inland, the basin consists primarily of gently rolling hills and broad, flat floodplains. There are also several urban areas in the basin near population centers such as Meridian, Laurel, Hattiesburg, and Pascagoula.

The Pascagoula River Basin, with an estimated population of 716,925, encompasses roughly one-quarter of Mississippi's population. The Basin is predominantly rural with an average population density of around 75 people per square mile. Greater population densities are found near the urban areas.

Land Use

The Pascagoula River Basin is heavily forested throughout the entire river basin. The central portion of the basin is known as the Pine Belt because the basin's forests consist mostly of pine trees with scattered areas of hardwoods. Timber resources are the predominant land use. Among these are oil and gas production, agriculture, recreation, and urban development. Major land cover in the basin is shown in Figure 34.

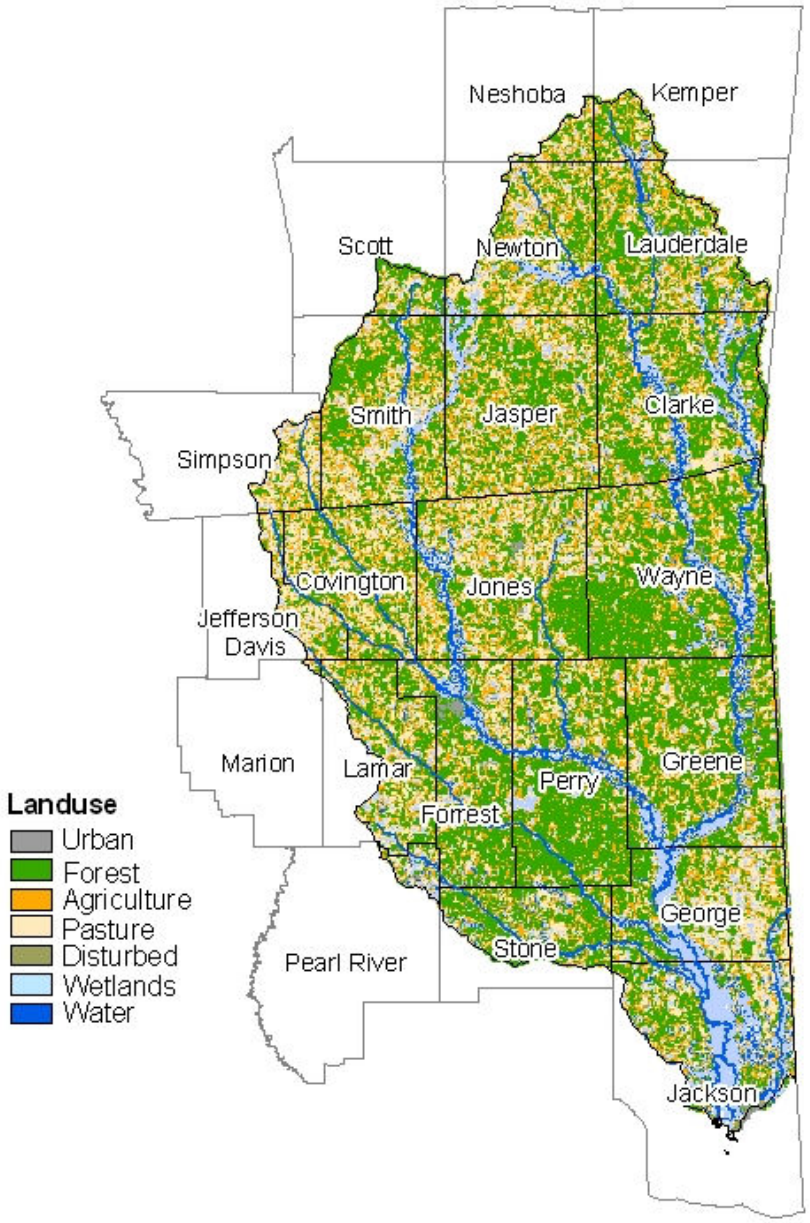

Figure 34: Major Land Cover in the Pascagoula River Basin (MARIS)

Forests dominate the land cover, with 54% of the basin covered by forest (Figure 35). These forests consist of 64% Non-Industrial privately- owned lands, 22% Forest Industry-owned lands, and 14% Government-owned land. In 1999, approximately 26 percent of Mississippi's timber production came from the basin contributing about $324 million to the Mississippi economy. *Agriculture* accounts for about 22 percent of the land use, with two percent of the basin used for cropland and 20 percent for pasture. *Urban* uses (i.e., towns and cities) make up only 1% of the basin area. However, one of the largest concentrations of industry in the state is in the coastal portion of the basin near the cities of Pascagoula, Moss Point, Escatawpa, and Gautier. *Disturbed areas* (strip mines, gravel pits, sandy areas, barren, and transitional areas) make up 15% of the land use in the basin. W*ater* (streams, lakes, reservoirs and estuaries) and *Wetland* (forested and non-forested wetlands and coastal marsh) comprise 8% of the basin.

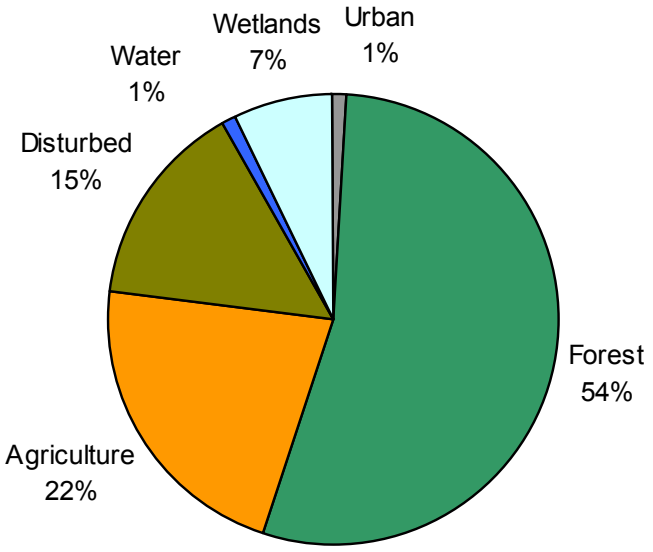

Figure 35: Distribution of Land Cover in the Pascagoula River Basin (MARIS)

Water Resources

The Pascagoula River Basin has a total of 14,915 miles of perennial and intermittent rivers and streams. According to the state's WQS, the majority of these water bodies are classified as Fish and Wildlife streams. There are also a significant number of streams that are classified for Recreation and four water bodies that are classified as Public Water Supply. Stream conditions as a whole are usually natural, or unmodified, in appearance with clear water. Some streams in this area of the state are considered "blackwater streams" because they are stained by tannic acid leached from vegetation. The majority of the streams are deep to moderately deep, fast flowing perennial streams. Near the coast, the lower Pascagoula River system becomes estuarine as the waters enter the Mississippi Sound near the cities of Pascagoula and Gautier.

Numerous reservoirs and lakes can be found in the Pascagoula River Basin. These lakes are significant natural and recreational resources. The Pat Harrison Waterway District manages eight flood control reservoirs that double as water parks and two are also designated as water supply reservoirs. The Mississippi Department of Wildlife, Fisheries, and Parks manages nine state fishing lakes as well as two state park lakes within the Basin.

An important aspect of the Pascagoula River Basin is the role it plays in maintaining the health and diversity of the Mississippi Sound. The Pascagoula River Basin supplies a large portion of the fresh water entering the Mississippi Sound. In so doing, it replenishes nutrients and sediments that play a critical role in maintaining the productivity of the coastal waters. The sediment it carries maintains an extensive salt marsh habitat that in turn regulates the discharge of nutrients to coastal waters. Because the marshes are important for sustaining the coastal ecosystem, changes in marsh area, plant species, and bio-geological habitats adversely affect the water bodies that they help buffer.

Evolution of coastal wetland habitats through historical and pre-historical times has largely shaped the Mississippi coastal environment into what we see today. In addition to the prolific productivity and filtering capabilities, the physiography that they create is also beneficial. Protective bays and shallows are important habitats for seagrass, oysters, fish and shellfish. These landforms have evolved through time based primarily on the sediments carried by the rivers. Coastal erosion, river meandering or capture, and changes in river transport have markedly affected the geometry and geography of Mississippi's marsh habitats. The total coastal marsh (below the 15ft contour) within Mississippi's Pascagoula River Basin is approximately 21,000 acres, making up roughly 35 percent of the total marsh habitat in Coastal Mississippi.

In terms of biological resources, the Gulf Sturgeon can be found in the basin, and uses the Leaf River as a breeding ground. Also, Swallow-tailed Kite can be found here as well as many more species. The Pascagoula River Basin has 11 federally threatened and 6 federally endangered species as well as approximately 13 non-native species. In addition, this basin has the state's only designated National Wild and Scenic Stream, Black Creek. The basin also has several streams included in the Mississippi Natural and Scenic Waterways System: Red Creek, Pascagoula River, and Chunky River. Two other streams, Okatoma Creek and Escatawpa River enjoy high recreational use from fishermen and canoers. Because of the abundant wildlife populations, this basin provides great bird watching, hunting and fishing recreational activities as well as a tremendous seafood industry along the coast.

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Surface Water Assessment

Designated Use Support

The assessments for the Pascagoula River Basin were made based on data from 145 sampling locations in streams and rivers across the basin sampled by MDEQ FSD as part of the §303(d)/IBI wadeable streams project, the §303(d) fecal coliform monitoring project, and the lake nutrient criteria development project (Figure 36). Additional monitoring data collected in support of fish advisory listings were also utilized in the assessment. Use support status for the basin is presented and summarized with causes of impairment. There are currently three fish advisories on the waters in the Pascagoula River Basin, all for mercury. For more information on these advisories, see Part III Public Health Concerns and Advisories in the 2006 §305(b) report.

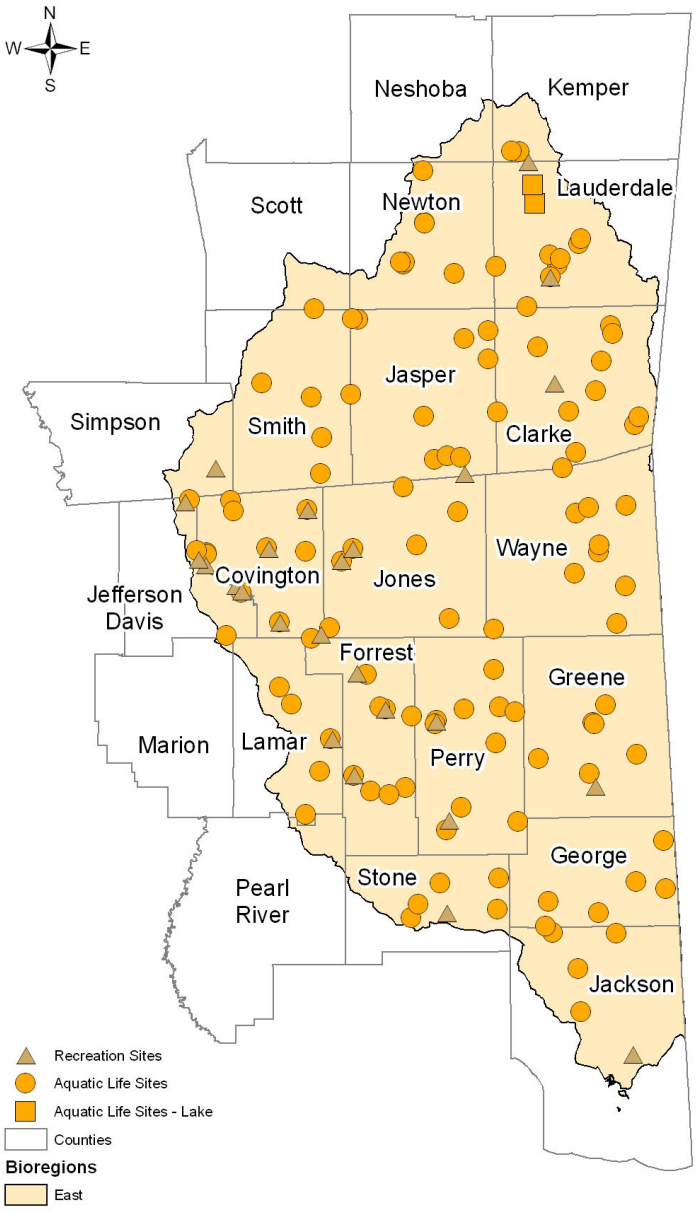


Figure 36: Pascagoula River Basin Monitoring Stations

Of the 5,785 miles of perennial streams in the Pascagoula River Basin, 1,726 miles (30%) were assessed for one or more designated uses. The status of the remaining 4,059 miles (70%) is unknown (Figure 37). The majority of stream miles (61%) in the Pascagoula River Basin is composed of intermittent streams and therefore is not readily assessable. Please refer to Table 6 at the end of this section for a tabular listing of all assessments. This table also provides the necessary information to cross-reference the §305(b) assessments with the §303(d) list.

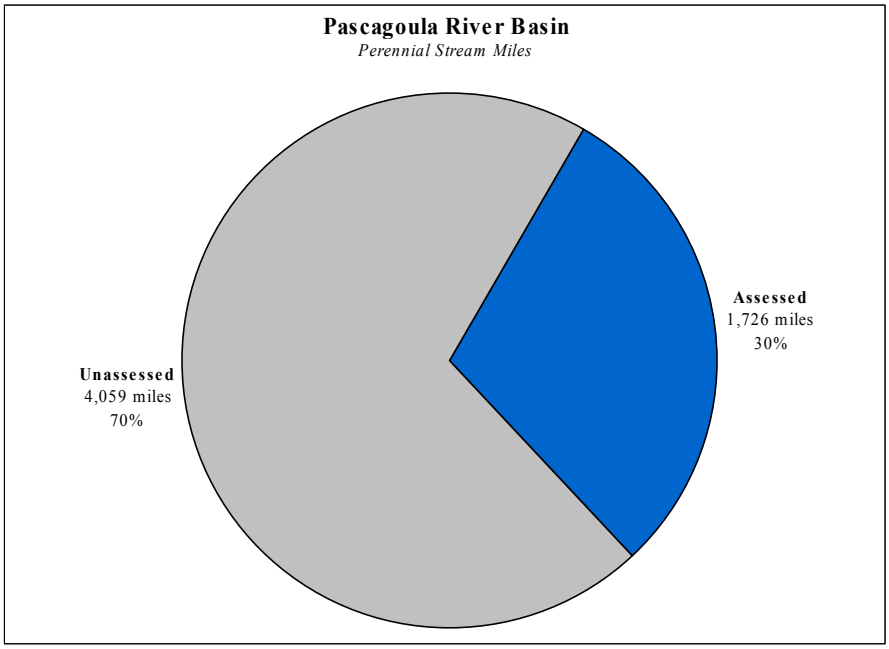


Figure 37: Pascagoula River Basin Assessment of Perennial Rivers and Streams

Causes of Impairment of Designated Uses

Causes of impairment were evaluated 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 Figure 38 for Aquatic Life Use. Sediment/Siltation is the most common cause for impairment in the Pascagoula River Basin. Other causes identified in the basin are Nutrients, Organic Enrichment, Low DO, Pesticides, Salinity, Unionized Ammonia, or a combination of the above. For 111 miles of assessed rivers not meeting their designated uses, impairment is caused by unknown pollutants or other factors contributing to biological impairment. In these cases, actual monitoring has detected biological impairment but the exact pollutant cause has yet to be determined. Other causes of impairment noted in the basin are from pathogens and mercury. The source of the pathogen and biological impairments in the Pascagoula River Basin is unknown. As stated above, the majority of impairment was determined to be biological and therefore sources of the impairment are yet to be determined. Mercury is believed to result from a combination of natural geologic conditions, old industrial point sources, and atmospheric deposition.

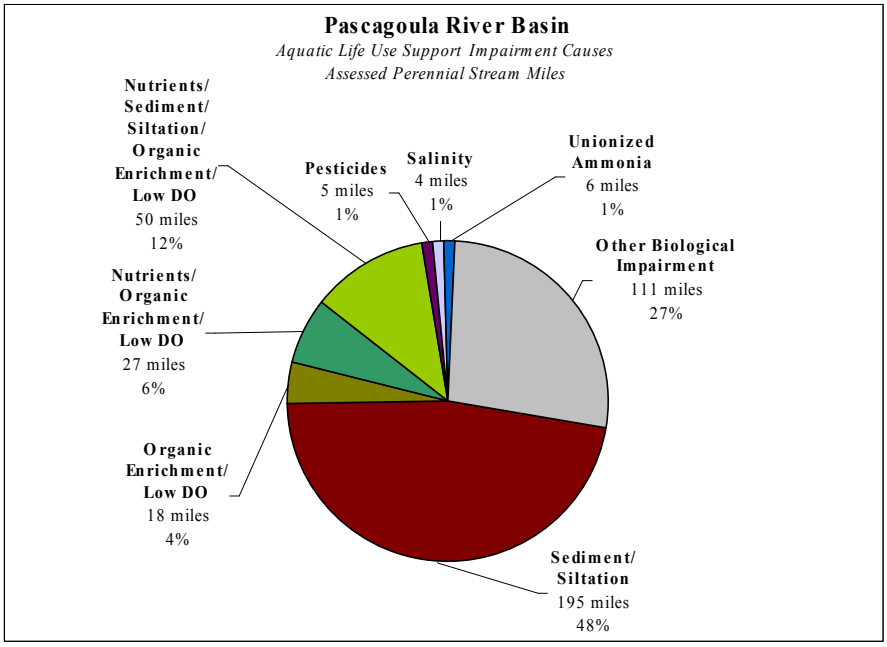


Figure 38: Summary of Impairment Causes for Perennial Rivers and Streams-Pascagoula River Basin

Aquatic Life Use Support

As stated earlier, all of the Aquatic Life Use Support assessments were based on biological monitoring data collected as part of the development of Mississippi's IBI process, M-BISQ for rivers and streams. Of the Pascagoula River Basin's assessed stream and river miles, approximately 1174 miles of perennial rivers and streams are attaining their aquatic life use, while 416 miles were assessed as not attaining and are considered impaired (Figure 39). Okatibee Lake (4,243 acres) was assessed as attaining for ALUS based on data collected as part of the Lakes Nutrient Criteria Development Project. Figures 40-43 depict geo-referenced coverages of the Aquatic Life Use Support assessments for the Pascagoula River Basin.

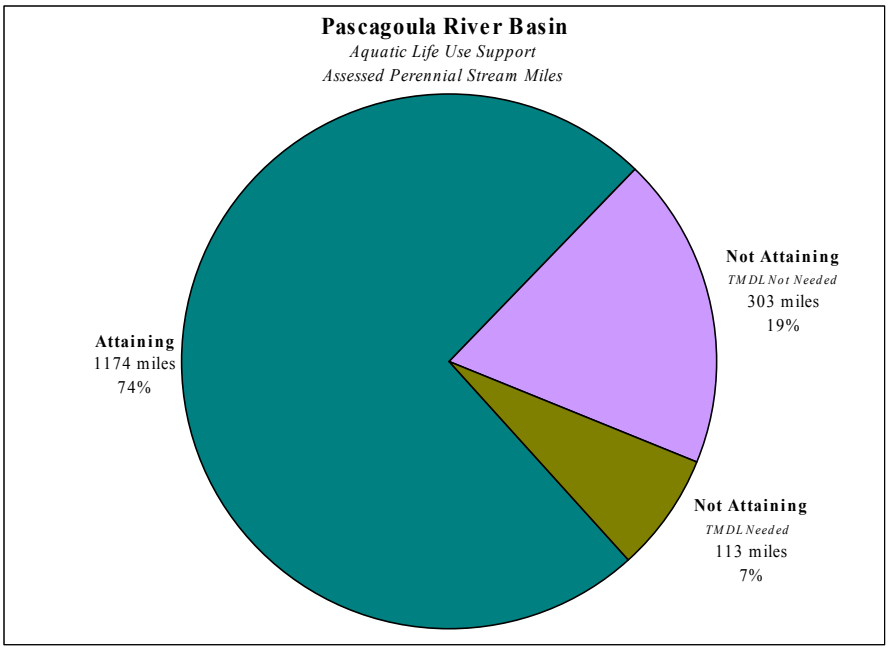


Figure 39: Aquatic Life Use Support-Pascagoula River Basin

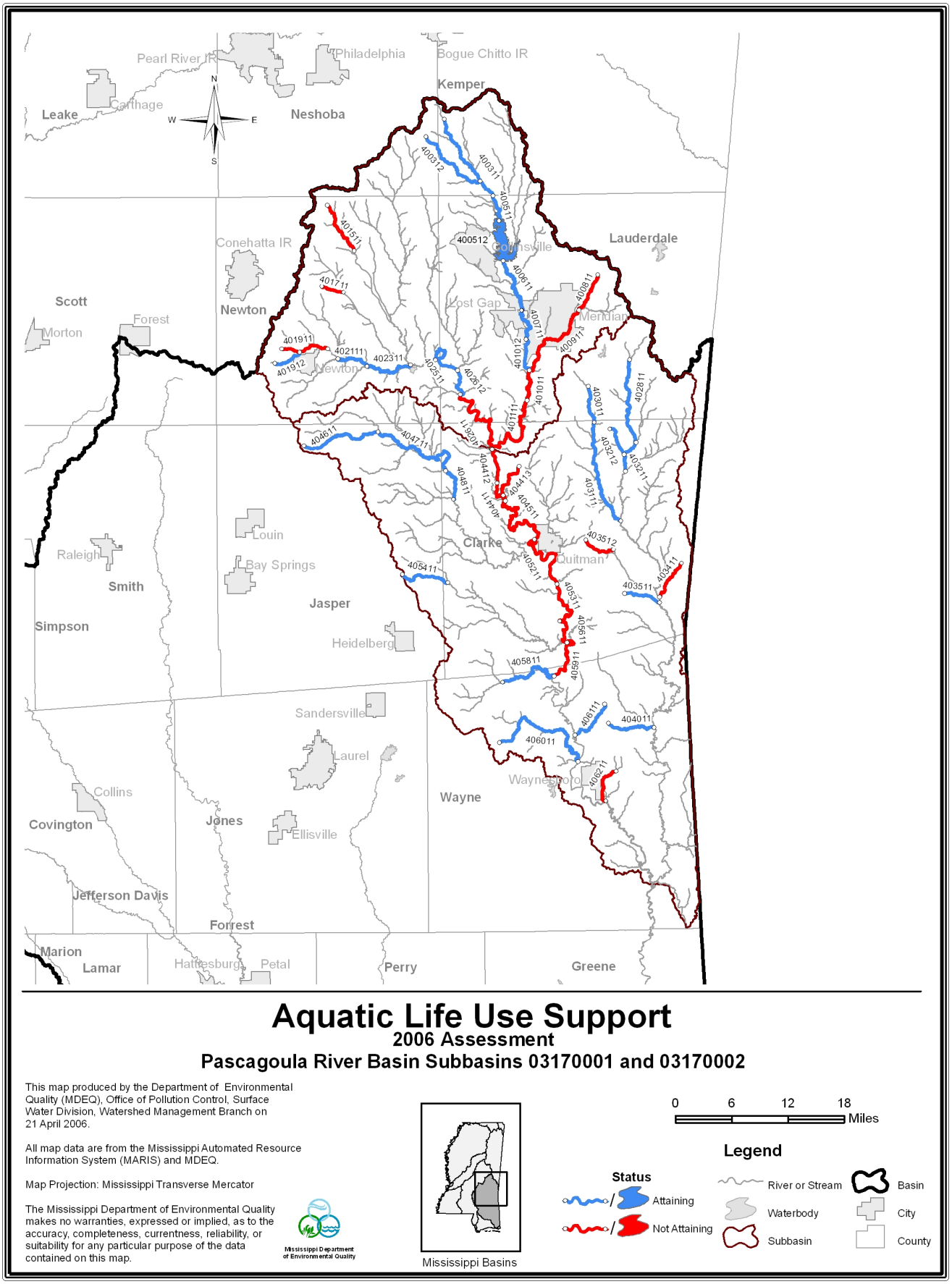


Figure 40: Aquatic Life Use Support Map-Upper Pascagoula River Basin

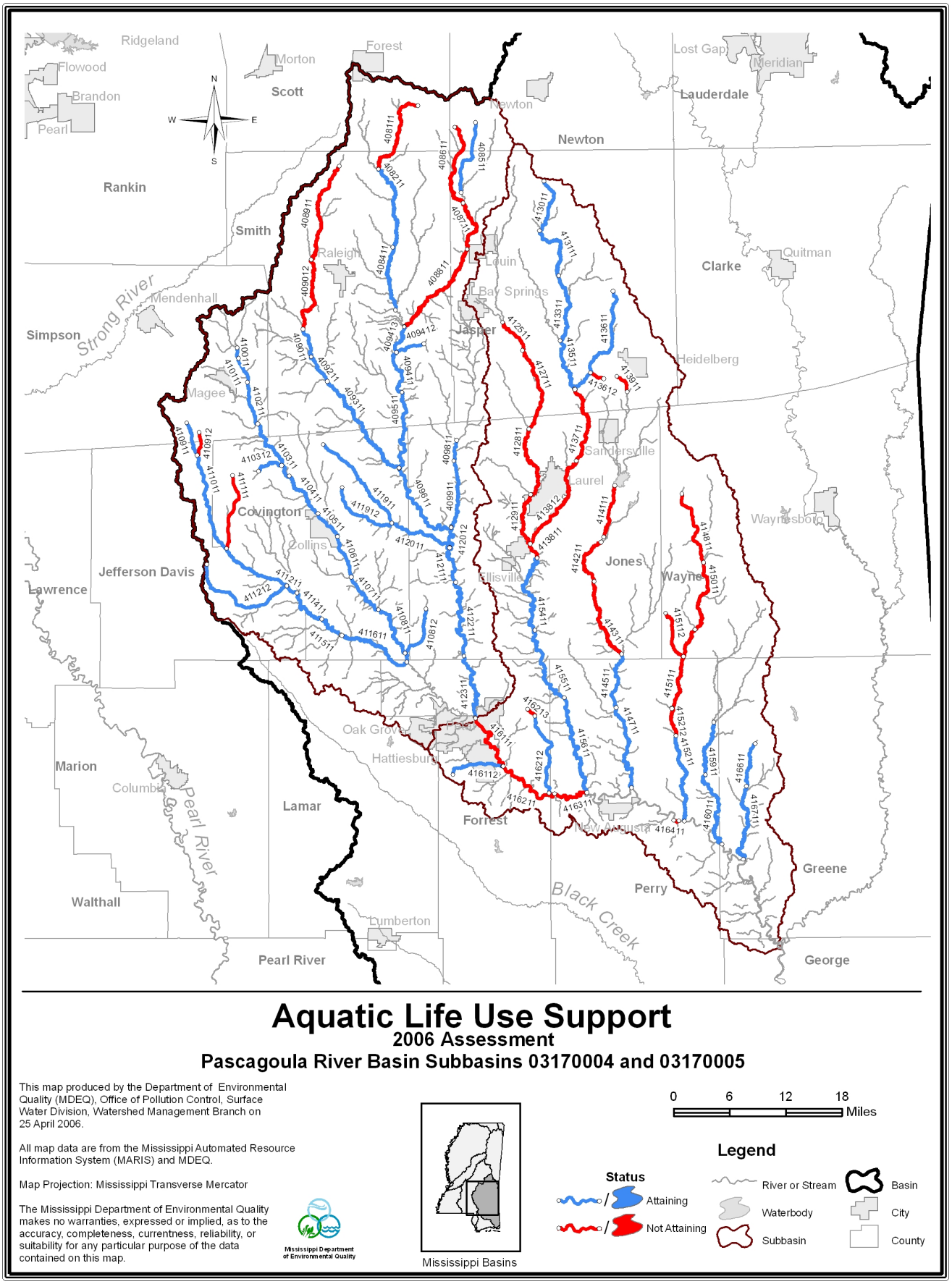


Figure 41: Aquatic Life Use Support Map-Middle Pascagoula River Basin

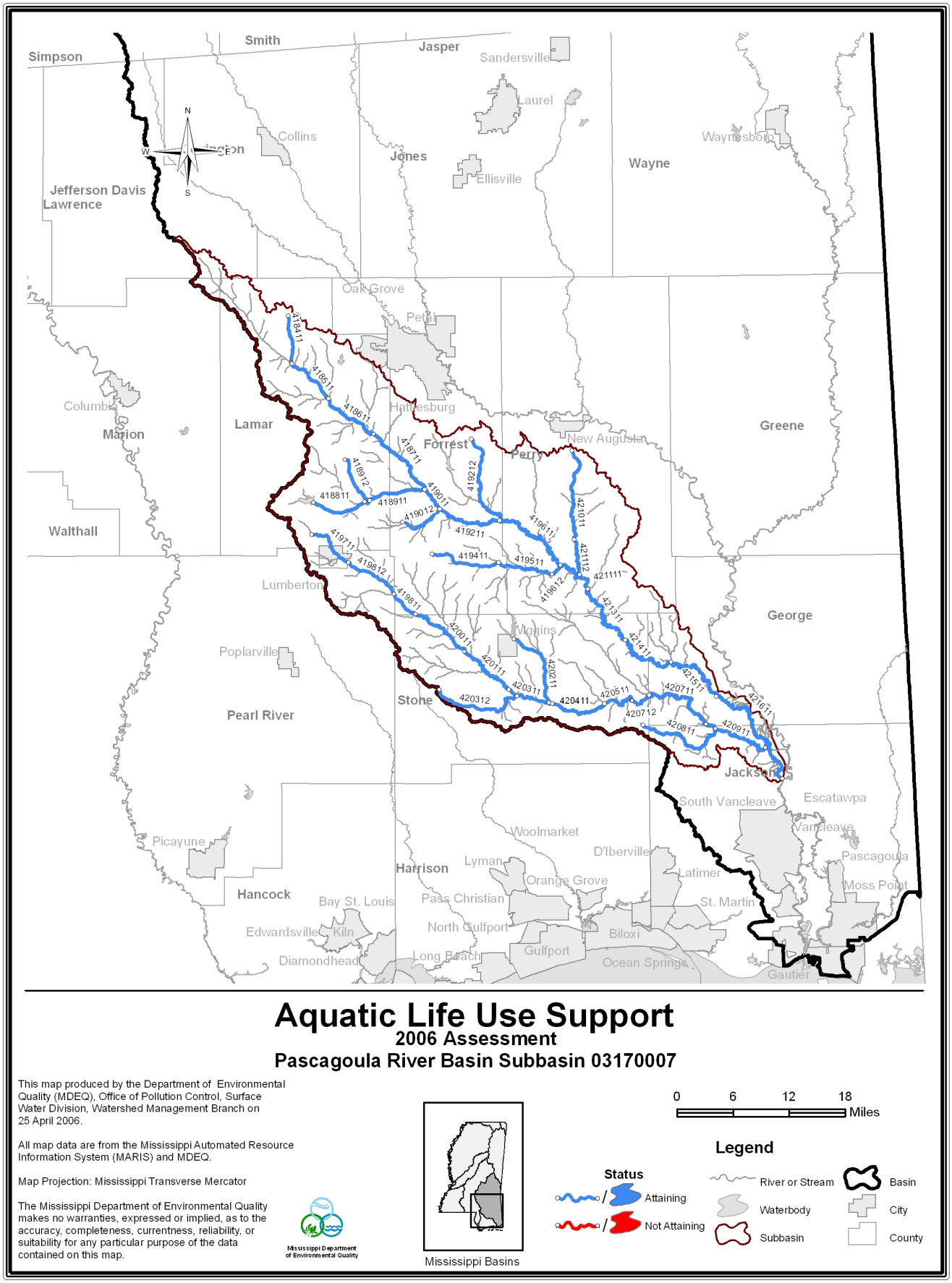


Figure 42: Aquatic Life Use Support Map-Lower Pascagoula River Basin

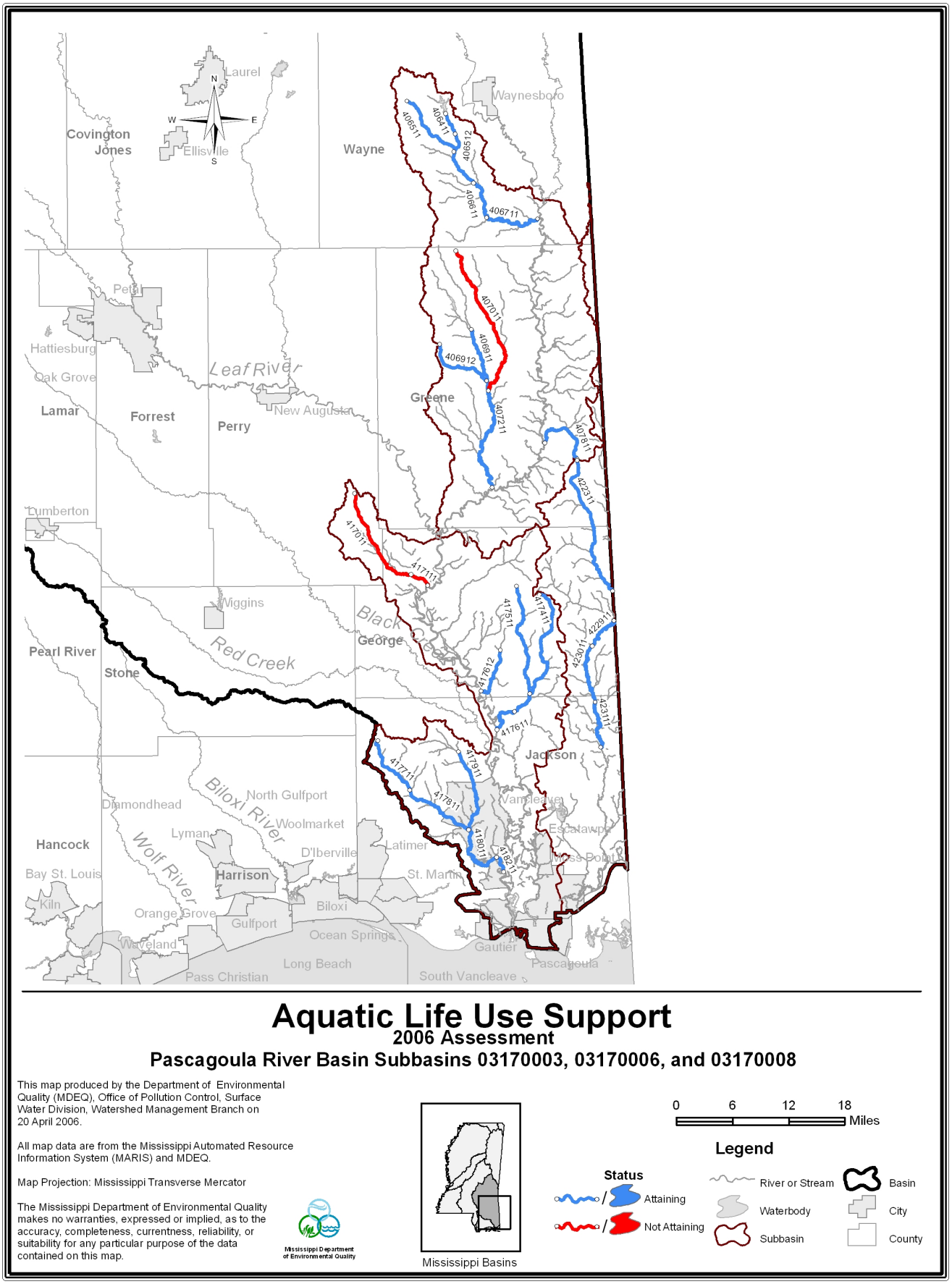


Figure 43: Aquatic Life Use Support Map-Lower Pascagoula River Basin

Contact Recreation Use Support

Data collected as part of a statewide §303(d) fecal coliform project were used to make the Recreation Use Support assessments. This includes streams that are classified as primary contact recreation as well as streams with data for secondary contact recreation. Both classifications are subject to the same standards in the contact recreation season. For more information on the state's water quality standards, please review the document: State of Mississippi Water Quality Criteria for Intrastate, Interstate and Coastal Waters (2002) which can be found at the following website: www.deq.state.ms.us. Of the Pascagoula River Basin's assessed stream and river miles, approximately 243 miles of perennial rivers and streams are attaining their recreation use, while 219 miles were assessed as not attaining and are considered impaired (Figure 44). Figures 45-48 depict geo-referenced coverages of the Recreation Use Support assessments for the Pascagoula River Basin.

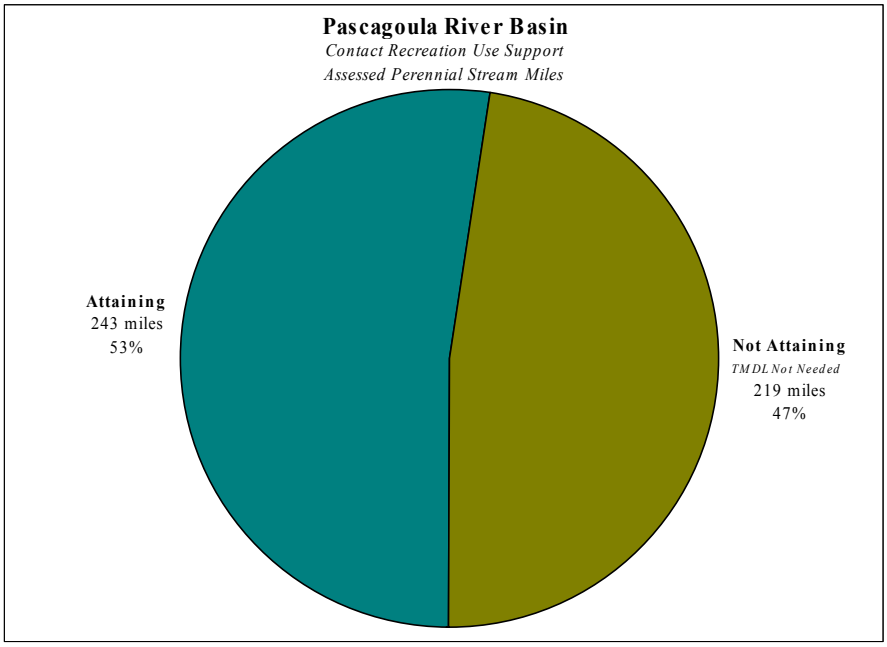


Figure 44: Contact Recreation Use Support- Pascagoula River Basin

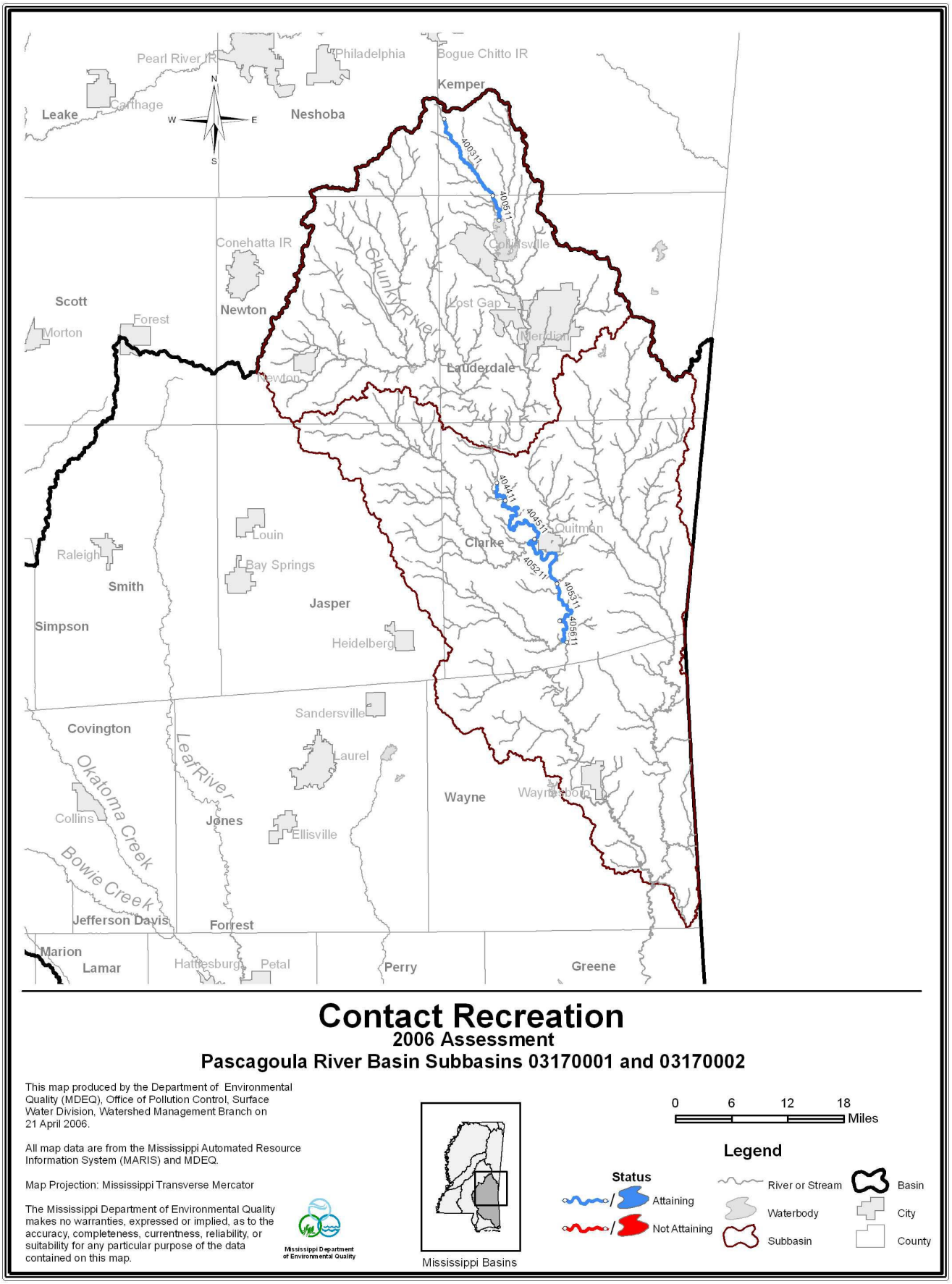


Figure 45: Contact Recreation Use Support Map-Upper Pascagoula River Basin

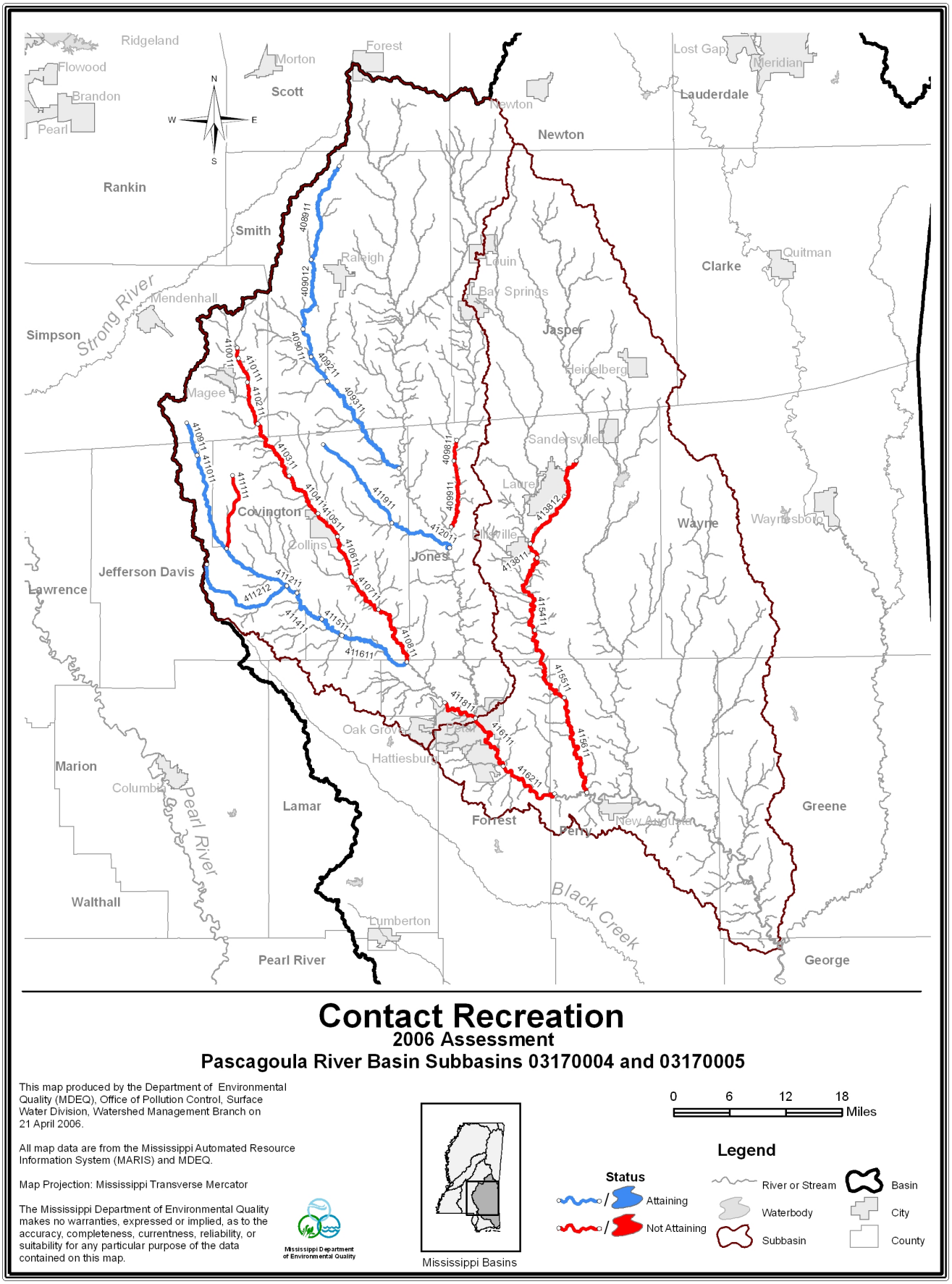


Figure 46: Contact Recreation Use Support Map-Middle Pascagoula River Basin

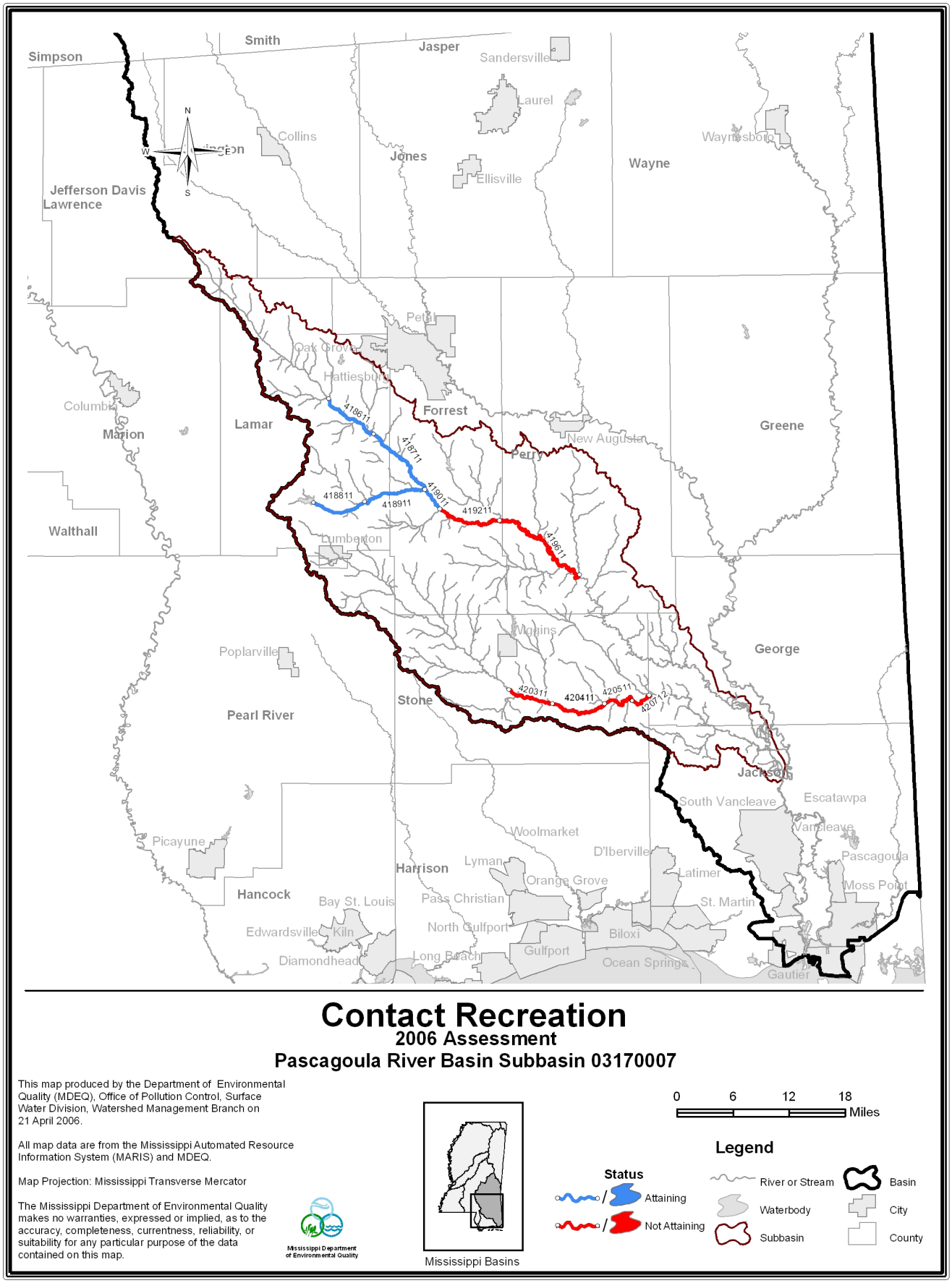


Figure 47: Contact Recreation Use Support Map-Lower Pascagoula River Basin

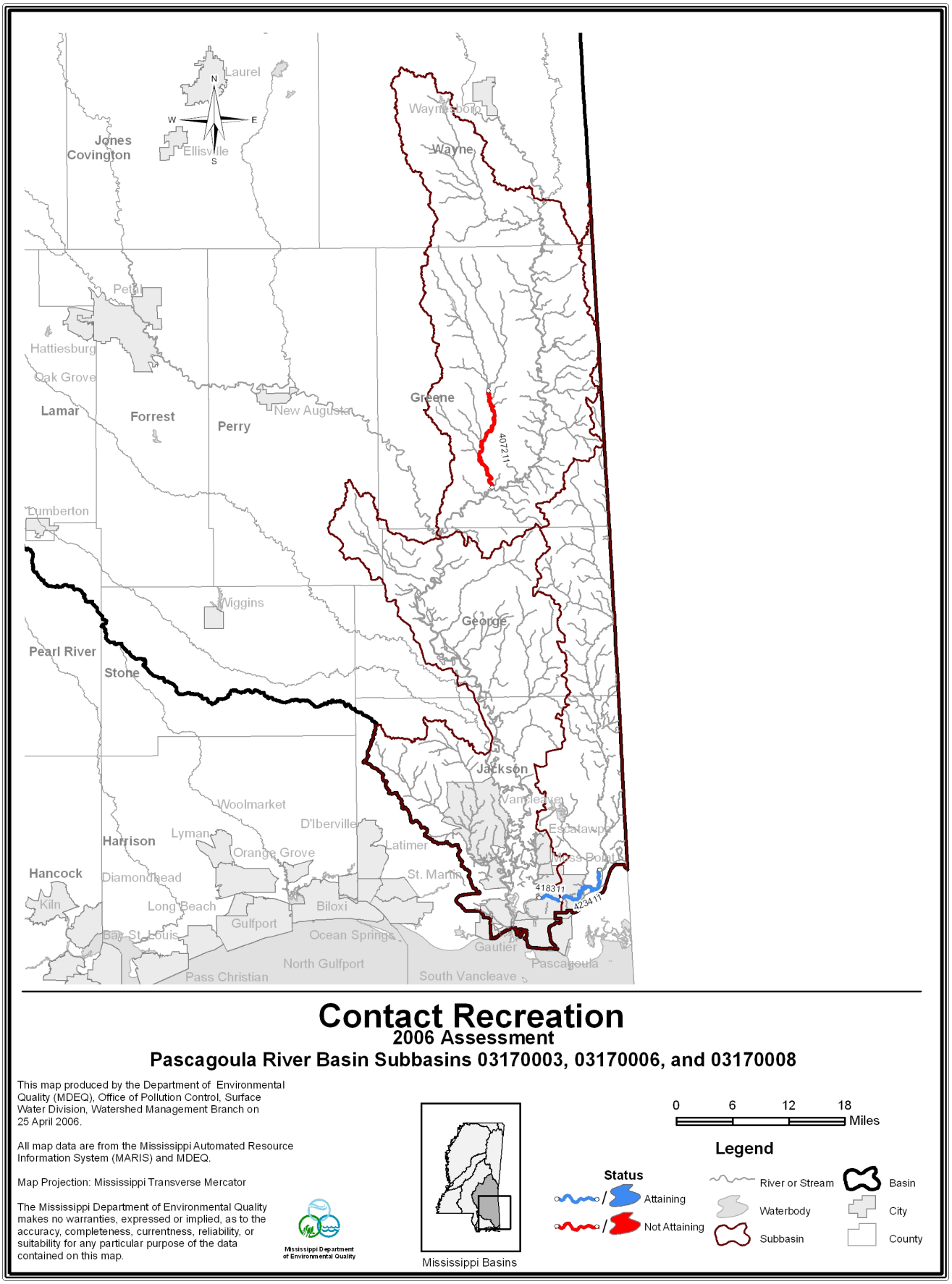


Figure 48: Contact Recreation Use Support Map-Lower Pascagoula River Basin

Fish Consumption Use Support

Data collected and analyzed as part of MDEQ's fish tissue monitoring program were used to make the Fish Consumption Use Support assessments. Currently, there are seven water bodies in the Pascagoula River Basin with fish tissue advisories. These waters are Escatawpa River, Pascagoula River, East Pascagoula River, West Pascagoula River, Dead Davis River, Archusa Creek Water Park, and Country Club Lake. Therefore, of the Pascagoula River Basin's assessed stream and river miles, approximately 141 miles of perennial rivers and streams are not attaining their fish consumption use and are considered impaired. Of the total impaired miles, mercury TMDLs have been developed for 140 miles. There are 505 lake acres assessed as not attaining their fish consumption use. Archusa Water Park (459 acres) has a TMDL completed for Mercury. Country Club Lake (47 acres) has a completed TMDL for PCBs and dioxin. For more information on fish advisories and Fish Consumption Use Support assessment, refer to Part III, Public Health Concerns and Advisories, of the 2006 §305(b) report.

Table 6: 2006 §305(b) Assessed Water Bodies-Pascagoula River Basin

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
ANDERSON BRANCH LOCATION: FROM HEADWATERS TO MOUTH AT OKAHATTA CREEK	401711	401711	Aquatic Life Support	Not Attaining
ARCHUSA CREEK WATER PARK LOCATION: AT QUITMAN	405212	MS063ACWPM	Fish Consumption	Not Attaining
ATKINSON CREEK LOCATION: FROM HEADWATERS TO MWS 4167 BOUNDARY	416611	N/A	Aquatic Life Support	Attaining
ATKINSON CREEK LOCATION: FROM MWS 4166 BOUNDARY TO MOUTH AT LEAF RIVER	416711	N/A	Aquatic Life Support	Attaining
BEAVERDAM BRANCH LOCATION: FROM HEADWATERS TO MOUTH AT LITTLE BLACK CREEK	418912	N/A	Aquatic Life Support	Attaining
BEAVERDAM CREEK LOCATION: FROM HEADWATERS TO CONFLUENCE WITH UNNAMED TRIB AT MWS 4195 BOUNDARY	419411	N/A	Aquatic Life Support	Attaining
BEAVERDAM CREEK LOCATION: FROM MWS 4195 BOUNDARY TO CONFLUENCE WITH BLACK CREEK	419612	N/A	Aquatic Life Support	Attaining
BEAVERDAM CREEK LOCATION: FROM UNNAMED TRIB AT 4194 BOUNDARY TO MWS 4196 BOUNDARY	419511	N/A	Aquatic Life Support	Attaining

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
BIG CEDAR CREEK	417511	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MWS 4176 BOUNDARY				
BIG CEDAR CREEK	417611	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS 4175 BOUNDARY TO MOUTH AT PASCAGOULA RIVER				
BIG CREEK	406511	N/A	Aquatic Life Support	Attaining
LOCATION: HEADWATERS TO CONFLUENCE WITH CRAWFORD CREEK				
BIG CREEK	406611	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH CRAWFORD CREEK TO CONFLUENCE WITH LITTLE CREEK				
BIG CREEK	407211	MS071BE	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: NR JONATHAN FROM CONFLUENCE OF MASON CREEK TO MOUTH AT CHICASAWHAY RIVER				
BIG CREEK	409911	MS077E	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM 4098 MWS BOUNDARY TO MOUTH AT LEAF RIVER				
BIG CREEK	409811	MS077E	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE WITH ETEHOMO CREEK AND MILL CREEK TO 4099 MWS BOUNDARY				
BIG CREEK	406911	N/A	Aquatic Life Support	Attaining
LOCATION: NEAR LEAKSVILLE FROM CONFLUENCE WITH TUKEY FORK AND HELLHOLE CREEK TO CONFLUENCE WITH MASON CREEK				

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
BIG CREEK	406711	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH LITTLE CREEK MOUTH AT CHICKASAWHAY RIVER				
BIG CREEK	419012	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT BLACK CREEK				
BLACK CREEK	418511	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH MONROE CREEK TO CONFLUENCE WITH PERKINS CREEK				
BLACK CREEK	418711	MS099B2E	Aquatic Life Support	Attaining
			Primary Contact (Recr)	Attaining
LOCATION: FROM MWS 4186 BOUNDARY TO CONFLUENCE WITH LITTLE BLACK CREEK				
BLACK CREEK	419211	MS100B2E	Aquatic Life Support	Attaining
			Primary Contact (Recr)	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE WITH BIG CREEK TO CONFLUENCE WITH POPLAR CREEK				
BLACK CREEK	421111	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CYPRESS CREEK TO CONFLUENCE WITH HICKORY CREEK				
BLACK CREEK	421411	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS 4213 TO CONFLUENCE WITH SWEETWATER CREEK				
BLACK CREEK	421611	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS 4215 BOUNDARY TO MOUTH AT PASCAGOULA RIVER				

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
BLACK CREEK	421511	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH SWEETWATER CREEK TO MWS 4216 BOUNDARY				
BLACK CREEK	421311	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HICKORY CREEK TO MWS 4214 BOUNDARY				
BLACK CREEK	419611	MS100B2E	Aquatic Life Support	Attaining
			Primary Contact (Recr)	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE WITH POPLAR CREEK TO CONFLUENCE WITH CYPRESS CREEK				
BLACK CREEK	418611	MS099B1M4	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: NR PURVIS AT HWY 589 TO BOUNDARY WITH MWS 4187				
BLACK CREEK	419011	MS099B2E	Aquatic Life Support	Attaining
			Primary Contact (Recr)	Attaining
LOCATION: FROM CONFLUENCE WITH LITTLE BLACK CREEK TO CONFLUENCE WITH BIG CREEK				
BLUFF CREEK	417711	MS098BE	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MWS 4178 BOUNDARY				
BLUFF CREEK	417811	MS098BE	Aquatic Life Support	Attaining
LOCATION: FROM MWS 4177 BOUNDARY TO CONFLUENCE WITH MOUNGERS CREEK				
BLUFF CREEK	418211	MS098BE	Aquatic Life Support	Attaining
LOCATION: FROM MWS BOUNDARY 4180 TO MOUTH AT PASCAGOULA RIVER				

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
BLUFF CREEK	418011	MS098BE	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH MOUNGERS CREEK TO MWS 4182 BOUNDARY				
BOGUE HOMO	414311	MS091E	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM MWS 4142 BOUNDARY TO MWS 4145 BOUNDARY				
BOGUE HOMO	414711	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS 4145 BOUNDARY TO CONFLUENCE WITH THE LEAF RIVER				
BOGUE HOMO	414511	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH TIGER CREEK TO MWS 4147 BOUNDARY				
BOGUE HOMO CREEK	414111	MS091E	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM LAKE BOGUE HOMO OUTFALL TO CONFLUENCE WITH MILL CREEK				
BOGUE HOMO CREEK	414211	MS091E	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE WITH MILL CREEK TO MWS 4134 BOUNDARY				
BOSTICK BRANCH	404413	MS063E1	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO MOUTH AT CHICKASAWHAY RIVER				
BOUIE RIVER	410911	MS081BE	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: NR TERRELL FROM HEADWATERS TO 4110 MWS AND CONFLUENCE WITH SKIFFER CREEK				

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
BOUIE RIVER	411411	MS084E	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM 4112 MWS BOUNDARY TO MWS 4115 BOUNDARY				
BOUIE RIVER	411611	MS084M	Aquatic Life Support	Attaining
			Primary Contact (Recr)	Attaining
LOCATION: FROM 4115 MWS BOUNDARY TO CONFLUENCE WITH OKATOMA CREEK				
BOUIE RIVER	411811	MS085E	Secondary Contact	Not Attaining, TMDL Completed
LOCATION: NEAR HATTIESBURG FROM I59 TO CONFLUENCE WITH LEAF RIVER				
BOUIE RIVER	411511	MS084E	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM MWS 4114 BOUNDARY TO MWS 4116 BOUNDARY				
BOUIE RIVER	411011	MS081BE	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM CONFLUENCE WITH SKIFFER CREEK AT 4109 MWS BOUNDARY TO CONFLUENCE WITH DRY CREEK				
BOUIE RIVER	411211	MS083E	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM CONFLUENCE WITH DRY CREEK TO CONFLUENCE WITH TERRIBLE CREEK				
BRUSHY CREEK	422311	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO ALABAMA STATE LINE				
BUCKATANNA CREEK	403211	N/A	Aquatic Life Support	Attaining
LOCATION: FROM 4028 MWS BOUNDARY TO CONFLUENCE WITH HURRICANE CREEK TO CONFLUENCE WITH LONG CREEK				

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
BUCKATUNNA CREEK LOCATION: FROM HEADWATERS TO 4032 MWS BOUNDARY	402811	N/A	Aquatic Life Support	Attaining
CASTAFFA CREEK LOCATION: FROM HEADWATERS TO MOUTH AT SHUBUTA CREEK	405411	N/A	Aquatic Life Support	Attaining
CEDAR CREEK LOCATION: FROM HEADWATERS TO MOUTH AT BUCKATUNNA CREEK	403411	MS068CE	Aquatic Life Support	Not Attaining, TMDL Completed
CEDAR CREEK LOCATION: FROM HEADWATERS TO MOUTH AT QUATERLIAH CREEK	408611	N/A	Aquatic Life Support	Attaining
CHICKASAWHAY RIVER LOCATION: FROM STONEWALL POTW OUTFALL TO MWS 4045 BOUNDARY	404411	MSUCHKRE1	Aquatic Life Support Primary Contact (Recr)	Not Attaining, TMDL Completed Attaining
CHICKASAWHAY RIVER LOCATION: FROM 4044 MWS BOUNDARY TO 4052 MWS BOUNDARY	404511	MSUCHKRE1	Aquatic Life Support Primary Contact (Recr)	Not Attaining, TMDL Completed Attaining
CHICKASAWHAY RIVER LOCATION: AT ENTERPRISE FROM CONFLUENCE WITH CHUNKY RIVER AND OKATIBBEE CREEK TO STONEWALL POTW OUTFALL	404412	MSUCHKRE1	Aquatic Life Support	Not Attaining, TMDL Completed
CHICKASAWHAY RIVER LOCATION: FROM MWS 4045 BOUNDARY TO MWS 4053 BOUNDARY	405211	MSUCHKRE1	Aquatic Life Support Primary Contact (Recr)	Not Attaining, TMDL Completed Attaining

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
CHICKASAWHAY RIVER	405911	MSUCHKRE1	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM MWS 4056 BOUNDARY TO CONFLUENCE WITH EUCUTTA CREEK				
CHICKASAWHAY RIVER	405611	MSUCHKRE1	Aquatic Life Support	Not Attaining, TMDL Completed
			Primary Contact (Recr)	Attaining
LOCATION: FROM MWS 4045 BOUNDARY TO MWS 4059 BOUNDARY				
CHICKASAWHAY RIVER	405311	MSUCHKRE1	Aquatic Life Support	Not Attaining, TMDL Completed
			Primary Contact (Recr)	Attaining
LOCATION: FROM MWS 4052 BOUNDARY TO MWS 4056 BOUNDARY				
CHUNKY CREEK	401511	401511	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS AT UNION POTW TO MWS BOUNDARY 4018				
CHUNKY RIVER	402511	N/A	Aquatic Life Support	Attaining
LOCATION: NEAR CHUNKY FROM MWS4023 BOUNDARY TO CONFLUENCE WITH TALLAHATTA CREEK				
CHUNKY RIVER	402611	402611	Aquatic Life Support	Not Attaining
LOCATION: FROM CONFLUENCE WITH POSSUM CREEK TO MOUTH AT CHICKASAWHAY RIVER				
CHUNKY RIVER	402612	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH TALLAHATTA CREEK TO CONFLUENCE WITH POSSUM CREEK				
COLDWATER CREEK	404011	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT BUCKATANNA CREEK				

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
COUNTRY CLUB LAKE	411813	MS085CCLM	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: NEAR HATTIESBURG: JUST BELOW HEADWATERS OF MINERAL CREEK				
CYPRESS CREEK	421011	MS101M1	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MWS 4211 BOUNDARY				
CYPRESS CREEK	421112	MS101M1	Aquatic Life Support	Attaining
LOCATION: FROM MWS 4210 TO MOUTH AT BLACK CREEK				
DAVIS DEAD RIVER	417614	MS096DDRE	Fish Consumption	Not Attaining
LOCATION: NEAR OLD AMERICUS				
DRY CREEK	411111	MS082E	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: NR TERRELL FROM HEADWATERS TO MOUTH AT BOWIE CREEK				
EAST PASCAGOULA RIVER	418212	MSEPASRM1	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM SPLIT WITH W PASCAGOULA RIVER TO MWS BOUNDARY 4183				
EAST PASCAGOULA RIVER	418313	MSEPASRM2	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 4182 TO CONFLUENCE WITH ESCATAWPA RIVER				
EAST PASCAGOULA RIVER	418312	MSEPASRM2	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE OF ESCATAWPA RIVER TO THE GULF OF MEXICO				

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
ESCATAWPA RIVER LOCATION: 4234 MWS BOUNDARY TO MOUTH AT PASCAGOULA RIVER	418311	MS107M3	Secondary Contact	Attaining
ESCATAWPA RIVER LOCATION: FROM CONFLUENCE WITH RED CREEK TO MWS 4231 BOUNDARY	423011	MS107M1	Aquatic Life Support Fish Consumption	Attaining Not Attaining, TMDL Completed
ESCATAWPA RIVER LOCATION: FROM MWS 4230 BOUNDARY TO CONFLUENCE WITH SPRING CREEK	423111	MS107M1	Aquatic Life Support Fish Consumption	Attaining Not Attaining, TMDL Completed
ESCATAWPA RIVER LOCATION: INTERSTATE 10 BRIDGE TO THE 4234 MWS BOUNDARY	423411	MS107M3	Secondary Contact	Attaining
ESCATAWPA RIVER LOCATION: FROM MWS BOUNDARY 4231 TO I10 BRIDGE	423412	MS107M2	Fish Consumption	Not Attaining, TMDL Completed
ESCATAWPA RIVER LOCATION: FROM CONFLUENCE WITH SPRING CREEK TO MWS BOUNDARY 4234	423112	MS107M2	Fish Consumption	Not Attaining, TMDL Completed
ESCATAWPA RIVER LOCATION: NEAR AGRICOLA FROM MS/AL STATE LINE TO CONFLUENCE WITH RED CREEK	422911	MS107M1	Aquatic Life Support Fish Consumption	Attaining Not Attaining, TMDL Completed
EUCUTTA CREEK LOCATION: FROM OUTFALL OF SMALL UNNAMED POND TO CONFLUENCE WITH CHICKASAWHAY RIVER	405811	N/A	Aquatic Life Support	Attaining

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
FAULK DITCH	407811	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT CHICKASAWHAY RIVER				
FIVEMILE CREEK	403511	N/A	Aquatic Life Support	Attaining
LOCATION: NEAR CARMICHAEL FROM HEADWATERS TO CONFLUENCE WITH BUCKATANNA CREEK				
FLINT CREEK	420211	N/A	Aquatic Life Support	Attaining
LOCATION: FROM OUTFALL OF FLINT CREEK RESERVOIR TO MOUTH AT RED CREEK				
GAINES CREEK	415911	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS AT CONFLUENCE OF PINEY WOODS AND SANDHILL CREEKS TO MWS 4160 BOUNDARY				
GAINES CREEK	416011	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS 4159 BOUNDARY TO CONFLUENCE WITH LEAF RIVER				
HORSE BRANCH	413612	413612	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT TALLAHATTAH CREEK				
HORTONS MILL CREEK	406111	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH CHICKASAWHAY RIVER				
HOUSTON CREEK	400312	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH OKATIBBEE CREEK				

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
INDIAN CREEK	417612	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT PASCAGOULA RIVER				
IRBY MILL CREEK	403212	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT BUCKATANNA CREEK				
KEYS MILL CREEK	409412	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT KEYS MILL CREEK				
KITTRELL MILL CREEK	406912	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT BIG CREEK				
LEAF RIVER	408211	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE OF TALLABOGUE CREEK AND UPPER LEAF RIVER TO MWS 4084 BOUNDARY				
LEAF RIVER	409411	MS075E	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH KEYS MILL CREEK TO MWS 4095 BOUNDARY NEAR TAYLORSVILLE				
LEAF RIVER	408411	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS 4082 BOUNDARY TO CONFLUENCE WITH BEAVERDAM CREEK				
LEAF RIVER	409511	MS075E	Aquatic Life Support	Attaining
LOCATION: FR0M MWS 4094 BOUNDARY TO CONFLUENCE OF OAKAHAY CREEK				

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
LEAF RIVER	409611	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS 4095 BOUNDARY TO CONFLUENCE WITH BIG CREEK				
LEAF RIVER	412111	MS078E	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH OAKEY WOODS CREEK TO MWS 4122 BOUNDARY				
LEAF RIVER	416311	MS086E	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE WITH REESES CREEK TO CONFLUENCE WITH DENHAM CREEK				
LEAF RIVER	416211	MS086E	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE WITH PRIESTS CREEK TO CONFLUENCE WITH REESES CREEK				
LEAF RIVER	416111	MS086E	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE WITH BOUIE RIVER TO CONFLUENCE WITH PRIESTS CREEK				
LEAF RIVER	412311	MS078E	Aquatic Life Support	Attaining
LOCATION: FROM MWS 4122 BOUNDARY TO CONFLUENCE WITH BOUIE RIVER				
LEAF RIVER	412211	MS078E	Aquatic Life Support	Attaining
LOCATION: FROM MWS 4121 BOUNDARY TO MWS 4123 BOUNDARY				
LEAF RIVER	412012	MSO79E	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE OF BIG CREEK TO CONFLUENCE OF OAKEY WOODS CREEK				

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
LEAF RIVER	409413	MSO75M3	Aquatic Life Support	Attaining
LOCATION: FROM MWS BOUNDARY 4088 TO CONFLUENCE OF KEYS MILL CREEK				
LEONARDS MILL CREEK	410312	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT OKATOMA CREEK				
LITTLE BLACK CREEK	418811	MSPA099R00_ 100	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM LITTLE BLACK CREEK WATER PARK TO MWS 4189 BOUNDARY				
LITTLE BLACK CREEK	418911	MSPA099R00_ 100	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM 4188 MWS BOUNDARY TO CONFLUENCE WITH BLACK CREEK				
LITTLE CEDAR CREEK	417411	N/A	Aquatic Life Support	Attaining
LOCATION: NEAR LUCEDALE FROM HEADWATERS TO MOUTH AT BIG CEDAR CREEK				
LITTLE RED CREEK	420811	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT RED CREEK				
LONG BRANCH	403512	MS068LE	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: NEAR LINTON FROM HEADWATERS TO CONFLUENCE WITH TALLABOUGE CREEK				
LONG CREEK	403011	N/A	Aquatic Life Support	Attaining
LOCATION: NEAR MIDDLETOWN FROM CONFLUENCE WITH GAY'S BRANCH NEAR PLEASANT HILL TO MWS 4031 BOUNDARY				

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
LONG CREEK	403111	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS 4030 BOUNDARY TO MOUTH AT BUCKATUNNA CREEK				
MASON CREEK	407011	MS071ME	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO MOUTH AT BIG CREEK				
MAYNOR CREEK	406411	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MAYNOR CREEK WATERPARK TO MWS 4065 BOUNDARY				
MAYNOR CREEK	406512	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS 4064 BOUNDARY TO CONFLUENCE WITH BIG CREEK				
MONROE CREEK	418411	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT BLACK CREEK				
MOUNGERS CREEK	417911	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH BLUFF CREEK				
OAKEY WOODS CREEK	411911	MS078E	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH STATION CREEK AT 4120 MWS BOUNDARY				
OAKEY WOODS CREEK	412011	MS078E	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM STATION CREEK AT MWS 4119 BOUNDARY TO MOUTH AT LEAF RIVER				

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
OAKOHAY CREEK	408911	MS076E	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH LITTLE OAKOHAY CREEK				
OAKOHAY CREEK	409012	MS076E	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Attaining
LOCATION: FROM CONFLUENCE WITH LITTLE OAKOHAY CREEK TO CONFLUENCE WITH CLEAR CREEK				
OAKOHAY CREEK	409011	N/A	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM CONFLUENCE WITH CLEAR CREEK TO CONFLUENCE WITH HATCHAPALOO CREEK				
OKAHAY CREEK	409211	N/A	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM CONFLUENCE OF HATCHAPALOO CREEK TO MWS 4093 BOUNDARY				
OKAHAY CREEK	409311	N/A	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM 4092 MWS WATERSHED BOUNDARY TO MOUTH AT LEAF RIVER				
OKATIBBEE CREEK	400311	MS059OE	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO MWS 4005 BOUNDARY				
OKATIBBEE CREEK	400611	N/A	Aquatic Life Support	Attaining
LOCATION: FROM OKATIBBEE RESERVOIR TO 4007 MWS				
OKATIBBEE CREEK	401111	MS060	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS 4010 BOUNDARY TO MOUTH AT CHICKASAWHAY RIVER				

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
OKATIBBEE CREEK LOCATION: FROM 4007 MWS TO CONFLUENCE OF SOWASHEE CREEK	401012	N/A	Aquatic Life Support	Attaining
OKATIBBEE CREEK LOCATION: FROM 4006 MWS TO 4010 MWS	400711	N/A	Aquatic Life Support	Attaining
OKATIBEE CREEK LOCATION: FROM BOUNDARY WITH MWS 4003 WATERSHED TO MOUTH AT OKATIBBEE LAKE	400511	MS059OE	Aquatic Life Support Secondary Contact	Attaining Attaining
OKATIBEE CREEK LOCATION: FROM CONFLUENCE OF SOWASHEE CREEK TO MWS 4011 BOUNDARY	401011	MS060	Aquatic Life Support	Not Attaining
OKATIBEE LAKE LOCATION: NEAR MERIDIAN	400512	N/A	Aquatic Life Support	Attaining
OKATOMA CREEK LOCATION: FROM BOUNDARY WITH MWS 4102 TO BONDARY WITH MWS 4103	410311	MS080O1E	Aquatic Life Support Secondary Contact	Attaining Not Attaining, TMDL Completed
OKATOMA CREEK LOCATION: FROM CONFLUENCE WITH DRY CREEK TO BOUNDARY WITH MWS 4100	410011	MS080O1E	Aquatic Life Support Secondary Contact	Attaining Not Attaining, TMDL Completed
OKATOMA CREEK LOCATION: FROM BOUNDARY WITH MWS 4100 TO BOUNDARY WITH MWS 4101	410111	MS080O1E	Aquatic Life Support Secondary Contact	Attaining Not Attaining, TMDL Completed

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
OKATOMA CREEK	410211	MS080O1E	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM BOUNDARY WITH MWS 4101 TO BOUNDARY WITH MWS 4102				
OKATOMA CREEK	410511	MS080O2E	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM BOUNDARY WITH MWS 4104 TO MWS 4016 BOUNDARY				
OKATOMA CREEK	410711	MS080O2M	Aquatic Life Support	Attaining
			Primary Contact (Recr)	Not Attaining, TMDL Completed
LOCATION: FROM BOUNDARY WITH MWS 4106 TO BOUNDARY WITH MWS 4107				
OKATOMA CREEK	410811	MS080O2M	Aquatic Life Support	Attaining
			Primary Contact (Recr)	Not Attaining, TMDL Completed
LOCATION: FROM MWS 4107 BOUNDARY TO MWS BOUNDARY 4116				
OKATOMA CREEK	410611	MS080O2E	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM MWS 4105 BOUNDARY TO MWS 4107 BOUNDARY				
OKATOMA CREEK	410411	MS080O1E	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM BOUNDARY WITH MWS 4103 TO BOUNDARY WITH MWS 4104				
PASCAGOULA RIVER	417112	MSPASRM1	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: NEAR BENNDALE: FROM CONFLUENCE WITH LEAF RIVER AND CHICKASAWHAY RIVER TO MWS BOUNDARY 4173				
PASCAGOULA RIVER	417613	MSPASRM1	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 4173 TO MWS BOUNDARY 4181				

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
PASCAGOULA RIVER	418215	MSPASRM1	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 4181 TO PASCAGOULA RIVER SPLIT				
PASCAGOULA RIVER	418111	MSPASRM1	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 4176 TO MWS BOUNDARY 4182				
PASCAGOULA RIVER	417311	MSPASRM1	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 4171 TO MWS BOUNDARY 4176				
PATTON CREEK	406211	406211	Aquatic Life Support	Not Attaining
LOCATION: FROM OUTFALL OF WAYNESBORO LAKE TO MOUTH AT CHICKASAWHAY RIVER				
POPLAR CREEK	419212	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT BLACK CREEK				
POTTERCHITTO CREEK	401912	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH RICHARDSON MILL CREEK				
POTTERCHITTO CREEK	402111	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH TARLOW CREEK TO CONFLUENCE WITH BETHEL BRANCH				
POTTERCHITTO CREEK	402311	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH BETHEL BRANCH TO CONFLUENCE WITH CHUNKY CREEK				

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
PRAIRIE CREEK	413911	413911	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT BOGUE HOMO				
PRIESTS CREEK	416112	MS086PE	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT LEAF RIVER				
RED CREEK	419711	MS102RE	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MWS 4198 BOUNDARY				
RED CREEK	419811	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH HICKORY CREEK TO CONFLUENCE WITH HURRICANE CREEK				
RED CREEK	419812	MS102RE	Aquatic Life Support	Attaining
LOCATION: FROM MWS 4197 BOUNDARY TO CONFLUENCE WITH HICKORY CREEK				
RED CREEK	420011	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH HURRICANE CREEK TO MWS 4201 BOUNDARY				
RED CREEK	420311	MS102RE	Aquatic Life Support	Attaining
			Primary Contact (Recr)	Not Attaining, TMDL Completed
LOCATION: FROM MWS 4201 BOUNDARY TO CONFLUENCE WITH FLINT CREEK				
RED CREEK	420511	MS102RE	Aquatic Life Support	Attaining
			Primary Contact (Recr)	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE WITH OLD CREEK TO MWS 4207 BOUNDARY				

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
RED CREEK LOCATION: FROM MWS 4207 BOUNDARY TO MWS MOUTH AT BLACK CREEK	420911	MS103RM	Aquatic Life Support	Attaining
RED CREEK LOCATION: FROM MWS 4205 BOUNDARY TO CONFLUENCE WITH BLUFF CREEK	420712	MS102RE	Aquatic Life Support Primary Contact (Recr)	Attaining Not Attaining, TMDL Completed
RED CREEK LOCATION: FROM CONFLUENCE WITH BLUFF CREEK TO MWS 4209 BOUNDARY	420711	MS103RM	Aquatic Life Support	Attaining
RED CREEK LOCATION: FROM CONFLUENCE WITH FLINT CREEK TO CONFLUENCE WITH OLD CREEK	420411	MS102RE	Aquatic Life Support Primary Contact (Recr)	Attaining Not Attaining, TMDL Completed
RED CREEK LOCATION: FROM MWS 4200 BOUNDARY TO MWS 4203 BOUNDARY	420111	N/A	Aquatic Life Support	Attaining
REESE CREEK LOCATION: FROM TEMPLE RD TO MOUTH AT LEAF RIVER	416212	MS086RE	Aquatic Life Support	Attaining
REESE CREEK LOCATION: FROMN HEADWATERS TO TEMPLE RD	416213	416213	Aquatic Life Support	Not Attaining
RICHARDSON MILL /POTTERCHITTO CREEKS LOCATION: NEAR NEWTON FROM HEADWATERS THROUGH MOUTH AT POTTERCHITTO CREEK TO POTTERCHITTO CREEK AT I-20 EAST OF NEWTON	401911	MS057M2	Aquatic Life Support	Not Attaining, TMDL Completed

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
SHELTON CREEK	410812	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT OKATOMA CREEK				
SKIFFER CREEK	410912	MS081SE	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO MOUTH AT BOUIE RIVER				
SOUENLOVIE CREEK	404611	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MWS 4047 BOUNDARY				
SOUENLOVIE CREEK	404811	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS 4047 BOUNDARY TO CONFLUENCE WITH TWISTWOOD CREEK				
SOUINLOVEY CREEK	404711	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS 4046 BOUNDARY TO MWS 4048 BOUNDARY				
SOWASHEE CREEK	400811	MS061	Aquatic Life Support	Not Attaining
LOCATION: AT MERIDIAN FROM HEADWATERS TO CONFLUENCE WITH UNNAMED TRIB AT MWS 4009 BOUNDARY				
SOWASHEE CREEK	400911	MS061	Aquatic Life Support	Not Attaining
LOCATION: FROM CONFLUENCE WITH UNNAMED TRIB AT MWS 5008 BOUNDARY TO CONFLUENCE WITH OKATIBBEE CREEK				
STATION CREEK	411912	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT OAKEY WOODS CREEK				

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
TALLAHALA CREEK	413011	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MWS 4131 BOUNDARY				
TALLAHALA CREEK	413711	MS087T	Aquatic Life Support	Not Attaining
LOCATION: FROM CONFLUENCE WITH TALLAHATTAH CREEK TO MWS 4138 BOUNDARY				
TALLAHALA CREEK	413812	MS087M2	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM 4137 WATERSHED BOUNDARY TO THE CONFLUNCE WITH TALLAHOMA CREEK				
TALLAHALA CREEK	415611	MS089E	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM MWS 4155 TO MOUTH AT LEAF RIVER				
TALLAHALA CREEK	415511	MS089E	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM MWS 4154 TO MWS 4156 BOUNDARY				
TALLAHALA CREEK	415411	MS089E	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM MWS 4138 BOUNDARY TO MWS 4155 BOUNDARY				
TALLAHALA CREEK	413811	MS089E	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM THE CONFLUENCE WITH TALLAHOMA CREEK TO THE 4154 WATERSHED BOUNDARY				
TALLAHALA CREEK	413111	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS 4130 BOUNDARY TO CONFLUENCE WITH MCVAY CREEK				

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
TALLAHALA CREEK	413311	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH MCVAY CREEK TO CONFLUENCE OF NUAKFUPPA CREEK				
TALLAHALA CREEK	413511	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE OF NUAKFUPPA CREEK TO CONFLUENCE WITH TALLAHATTA				
TALLAHATTAH CREEK	413611	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT TALLAHALA CREEK				
TALLAHOMA CREEK	412511	MS088T	Aquatic Life Support	Not Attaining
LOCATION: NEAR LAUREL FROM CONFLUENCE WITH PINEY BRANCH TO MWS 4127 BOUNDARY				
TALLAHOMA CREEK	412711	MS088T	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS 4125 BOUNDARY TO CONFLUENCE WITH TERRAPIN CREEK				
TALLAHOMA CREEK	412911	MS088T	Aquatic Life Support	Not Attaining
LOCATION: FROM CONFLUENCE WITH HORSE CREEK TO CONFLUENCE WITH TALLAHALA CREEK				
TALLAHOMA CREEK	412811	MS088T	Aquatic Life Support	Not Attaining
LOCATION: FROM CONFLUENCE WITH TERRAPIN CREEK TO CONFLUENCE WITH HORSE CREEK				
TENMILE CREEK	420312	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT RED CREEK				

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
THOMPSON CREEK	414811	MS093T2E	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH LITTLE THOMPSON CREEK				
THOMPSON CREEK	415111	MS093T2E	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE WITH BYRD BRANCH TO CONFLUENCE WITH BEAVER DAM CREEK				
THOMPSON CREEK	415211	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH PINE BRANCH TO MOUTH AT LEAF RIVER				
THOMPSON CREEK	415212	MS093T2E	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE WITH BEAVER DAM CREEK TO CONFLUENCE WITH PINE BRANCH				
THOMPSON CREEK	415011	MS093T2E	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE WITH LITTLE THOMPSON CREEK TO CONFLUENCE WITH BYRD BRANCH				
UNNAMED TRIB TO LEAF RIVER	416411	MS090M2	Aquatic Life Support	Not Attaining
LOCATION: AT BEAUMONT FROM HOOD INDUSTRIES OUTFALL TO MOUTH AT LEAF RIVER				
UPPER LEAF RIVER	408111	MS073UE	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO TALLABOGUE CREEK				
WEST BOWIE CREEK	411212	N/A	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADEWATERS NEAR BASSFIELD TO CONFLUENCE WITH BOUIE RIVER				

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
WEST LITTLE THOMPSON CREEK	415112	MS093T1E	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO MOUTH AT THOMPSON CREEK				
WEST PASCAGOULA RIVER	418213	MSWPASRM2	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE WITH MOUNGERS CREEK TO MWS BOUNDARY 4183				
WEST PASCAGOULA RIVER	418214	MSWPASRM1	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM PASCAGOULA RIVER SPLIT TO CONFLUENCE WITH MOUNGERS CREEK				
WEST PASCAGOULA RIVER	418314	MSWPASRM2	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 4182 TO GULF OF MEXICO				
WEST TALLAHALA CREEK	408811	MS074M2	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM MWS 4087 BOUNDARY TO MOUTH AT LEAF RIVER				
WEST TALLAHALLA CREEK	408511	MS074M2	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH QUARTERLIAH CREEK AT MWS 4087				
WEST TALLAHALLA CREEK	408711	MS074M2	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE WITH QUATARLIAH CREEK TO MWS 4088 BOUNDARY				
WHISKEY CREEK	417011	MS097E	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: NEAR TAYLOR HILL FROM HEADWATERS TO MWS BOUNDARY 4171				

PASCAGOULA RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
WHISKEY CREEK	417111	MS097E	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 4170 TO CONFLUENCE WITH PASCAGOULA RIVER				
YELLOW CREEK	406011	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH CHICKASAWHAY RIVER				

PEARL RIVER BASIN

Basin Description

The Pearl River Basin is located in east-central and southwest Mississippi and in the southeastern part of Louisiana (Figure 49). The basin spans from the headwaters in east-central Mississippi near Philadelphia, through central Mississippi, to the coast. The Pearl River itself is approximately 490 miles long, drains an area of 8,760 square miles and comprises all or part of 24 counties in east–central and southern Mississippi. This area constitutes the fifth-largest flood-plain in the United States. Some significant tributaries to the river include the Yockanookany River, Bogue Chitto River, and Strong River. The Pearl River is formed in Neshoba County, by the confluence of Bogue Chitto, Nanih Waiya and Tallahaga Creeks. The river flows southwesterly for about 146 miles to the Ross Barnett Reservoir at Jackson, then 217 miles in a southerly direction to the head of its outlet channels, the West Pearl and Pearl Rivers. These channels continue in the same general direction for 44 and 48 miles, respectively, and empty into Lake Borgne in Louisiana and the Mississippi Sound. The West Pearl River lies entirely within the State of Louisiana. The lower 61 miles of the Pearl River form part of the boundary between Mississippi and Louisiana.

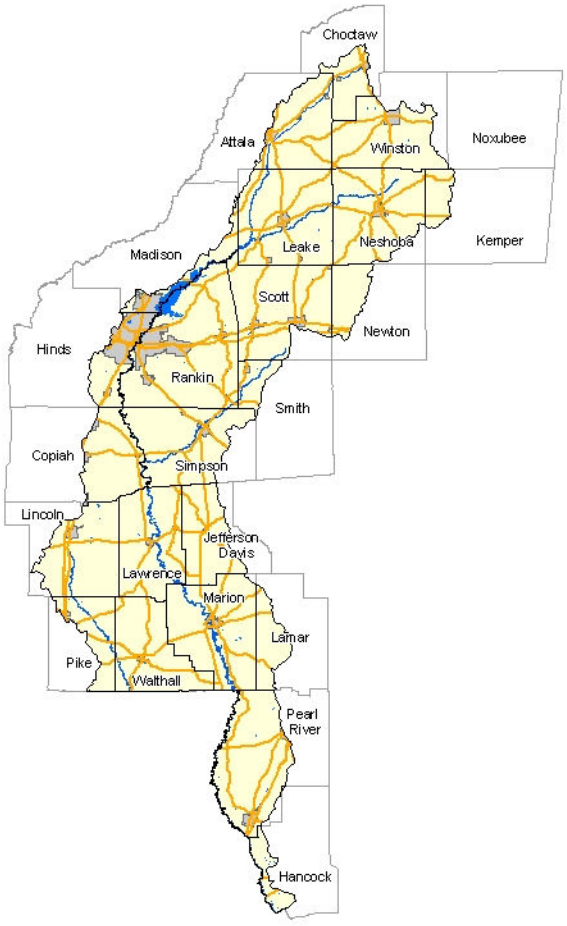


Figure 49: Pearl River Basin (MDEQ)

Much of the upper two-thirds of the Pearl River Basin consist of gently rolling to hilly terrain. In the southern part of the basin, the land is much flatter as the low, rolling forested hills give way to lowlands and marshes near the coast. The only large urban area in this basin is the Jackson metropolitan area which is the most populous part of the state.

The population for counties within the Pearl River Basin was estimated in 2000 at 956,574. There has been an 11% increase since 1990. From an entire basin standpoint,

the greatest concentration of people is generally found in the Jackson metropolitan area with the average population density being approximately 154 people per square mile.

Land Use

The primary land use in the Pearl River Basin is forestry or silviculture but land use patterns in portions of the Pearl River Basin are slowly changing (Figure 50). Traditional row cropland in the Upper Pearl River basin is being forested and the effects of increased urbanization are becoming more evident throughout the basin. The transition to urban landscape is especially evident around the Jackson Metropolitan area.

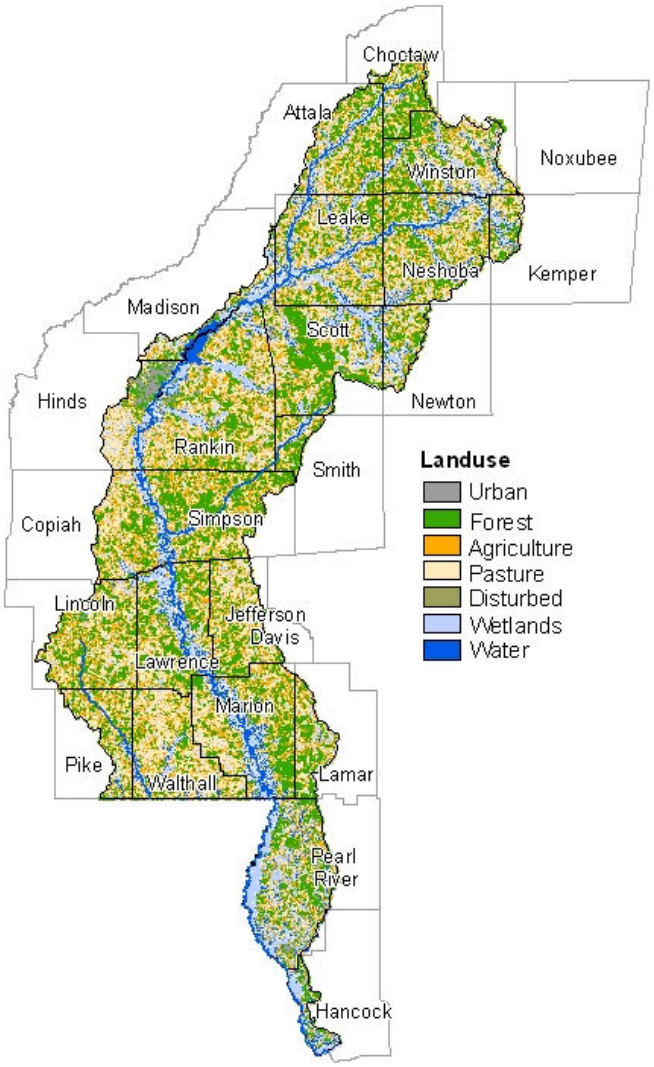


Figure 50: Major Land Cover-Pearl River Basin

Urban areas make up only 1% of the basin's total land cover (Figure 51). *Forest* areas, evergreen, deciduous and mixed-forests, represent the dominant land cover making up 43% of the total. *Wetland* areas, forested and non-forested wetlands and coastal marsh, comprise 10% of the total land cover while *Water* (streams, lakes, reservoirs and estuaries) only represents 1%. *Agricultural* and *Pasture* land features make up 27% of the land features. *Disturbed* areas including strip mines, gravel pits, sandy areas, barren, and transitional areas comprise the remaining 18% of the basin.

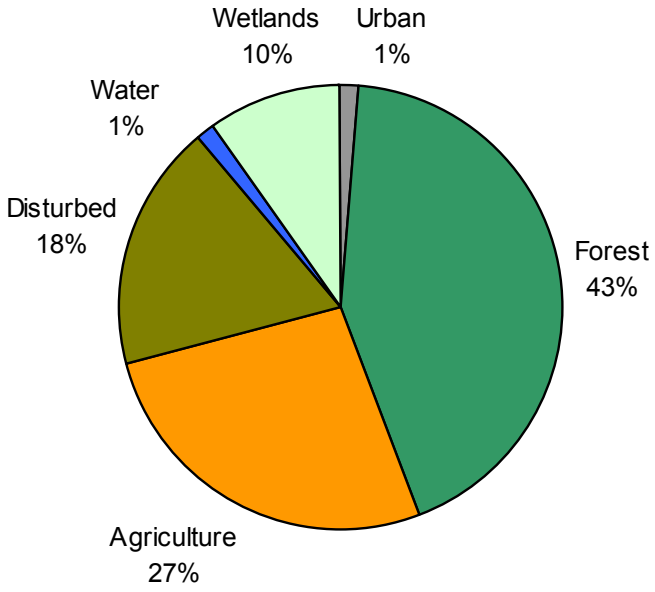


Figure 51: Distribution of Land Cover in the Pearl River Basin (MARIS)

Water Resources

The Pearl River Basin has a total of 13,106 miles of perennial and intermittent rivers and streams. According to the state's water quality standards (WQS), the majority of these water bodies are classified as Fish and Wildlife streams. In addition to the Fish and Wildlife Classification, portions of the Pearl, Strong, and Bogue Chitto Rivers are classified for Recreation. A portion of the Pearl River near Jackson is also classified as Public Water Supply along with the Ross Barnett Reservoir; both are used as a source of raw water supply for the city of Jackson. The majority of the streams are deep to moderately deep, fast flowing perennial streams.

Streams in much of the upper and middle portions of the basin generally have fairly fast, deep flows for a short time after rain events and relatively shallow base flows. Principal tributaries of the Pearl River in the upper and middle reaches include Yockanookany River, Lobutcha Creek, Tuscalometa Creek, Pelahatchie Creek, Silver Creek, Fair River, Holiday Creek, White Sands Creek and the Strong River.

Streams in most of the lower Pearl basin usually flow at a fast pace and have a deep base flow. Major streams in this portion of the basin include the Bogue Chitto River, Hobolochitto Creek, Pushepatapa Creek, Magees Creek and Upper Little Creek. The majority of flow in the lower end of the Pearl River has historically been diverted to Louisiana due to channel alterations. These alterations left the original river channel near Picayune essentially dry during low-flow conditions. This situation was addressed in 1997 and 1998 through a cooperative effort between the states of Mississippi and Louisiana and local entities, which called for construction of a weir and closures to restore flows into the original channel. The project was completed in 1998, but is still being monitored by the U.S. Army Corp of Engineers. Near the Mississippi Gulf Coast, the Pearl River becomes estuarine where it is bounded by salt marsh and is tidally influenced.

Within this basin, the major lake and reservoir feature is the Ross Barnett Reservoir, an impoundment of some 22,000 acres, located just north of Jackson and stretching about 43 miles in length. Located near the state's largest urban area, the reservoir is used extensively for recreation. In addition to the Ross Barnett Reservoir which is classified for recreation and public water supply, two other lakes in the basin (Lake Dixie Springs and Lake Columbia) are also classified for Recreation. Several small reservoirs and lakes can also be found in the Pearl River Basin including Roosevelt State Park Lake near Morton.

As with the Pascagoula River and Coastal Streams Basins, an important aspect of the Pearl River Basin is the role it plays in maintaining the health and diversity of the Mississippi Sound. The Pearl River Basin, along with the Pascagoula River Basin, supplies the largest portions of the fresh water entering the Mississippi Sound. Near the mouth, the transition from freshwater to saltwater has created an extensive salt marsh resource in Hancock County. Although not as large as in the Coastal Streams Basin and the Pascagoula River Basin, the total coastal marsh (marsh below the 15 ft contour) within Mississippi's Pearl River Basin is approximately 9,000 acres, making up roughly 40% of the total marsh habitat in Hancock County.

In terms of biological resources, the Pearl River Basin has 9 federally threatened and 3 federally endangered species. This basin also includes several water bodies proposed for review as potential Mississippi Natural and Scenic Waterways System water bodies: Pearl River, Strong River, Bogue Chitto River, and Magees Creek.

Surface Water Assessment

Designated Use Support

The assessments for the Pearl River Basin were made based on data from 158 sampling locations in streams and rivers across the basin sampled by MDEQ FSD as part of the §303(d)/IBI wadeable streams project, the §303(d) fecal coliform monitoring project, and the lake nutrient criteria development project (Figure 52). Use support status for the basin is presented and summarized with causes of impairment. There are currently five fish advisories on waters in the Pearl River Basin. For more information on these advisories, see Part III Public Health Concerns and Advisories in the 2006 §305(b) report.

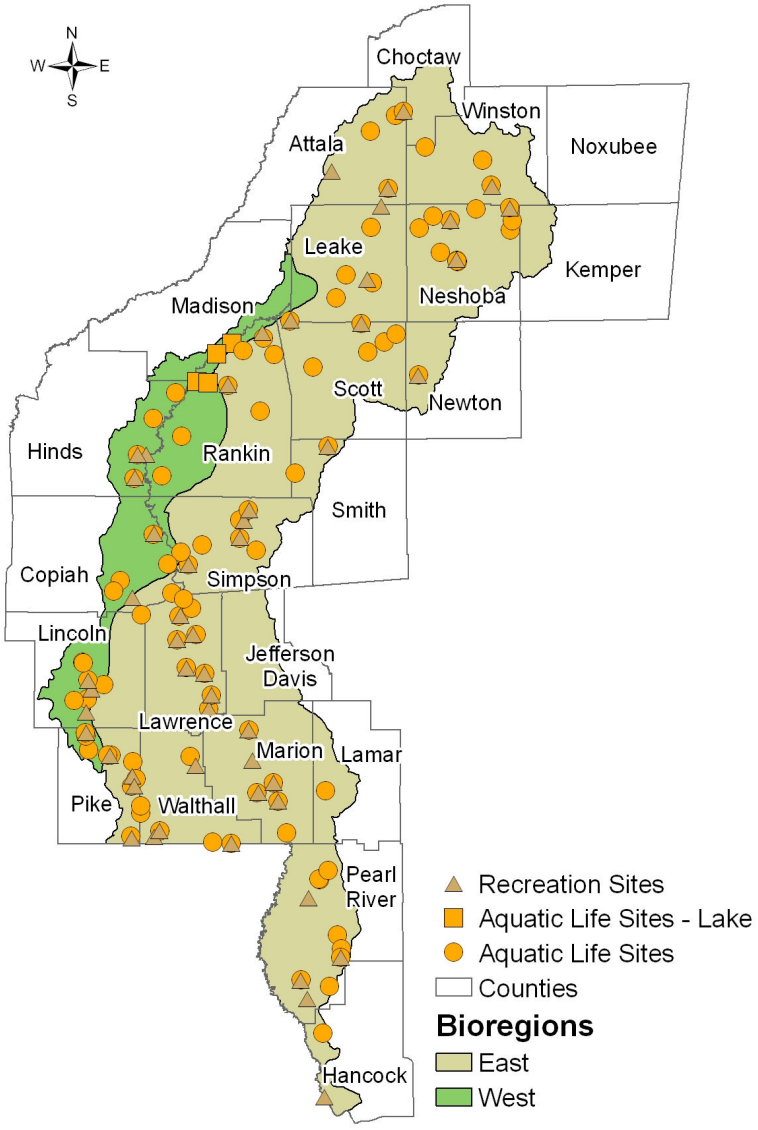


Figure 52: Monitoring locations in the Pearl Basin

MDEQ assessed approximately 30% (1,325 miles) of the total 4,485 perennial miles of streams and rivers in the Pearl River Basin. The status of water quality on the remaining 70% (3,160 miles) of the basin's perennial rivers and streams is unknown (Figure 53). The majority of stream miles (66%) in the Pearl River Basin is composed of intermittent streams and therefore is not readily assessable. Please refer to Table 7 at the end of this section for a tabular listing of all assessments. This table also provides the necessary information to cross-reference the §305(b) assessments with the §303(d) list.

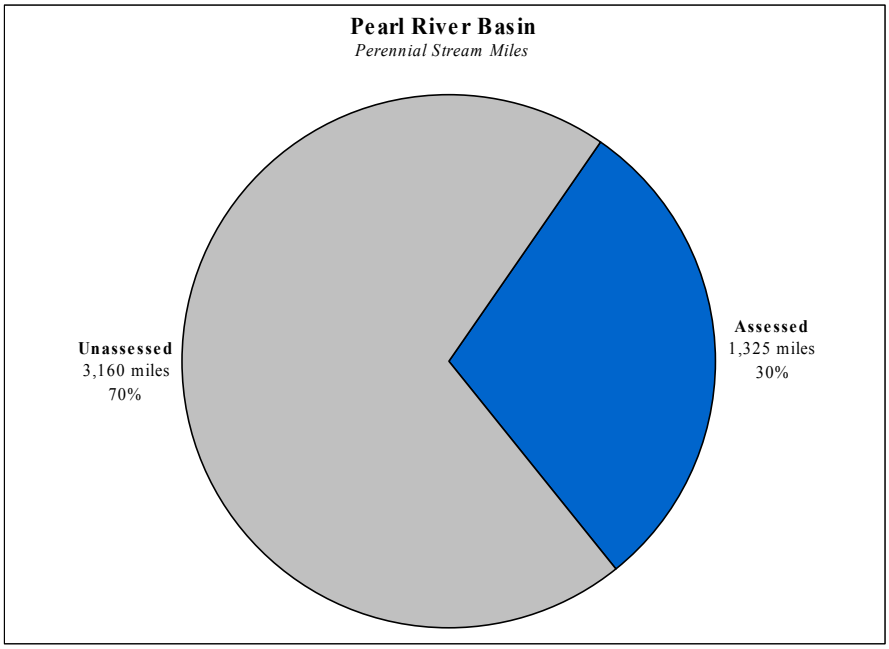


Figure 53: Pearl River Basin Assessment of Perennial Rivers and Streams

Causes of Impairment of Designated Uses

Causes of impairment were evaluated for streams and rivers having one or more uses impaired. For the majority of miles of assessed rivers not meeting their designated uses, impairment is caused by unknown pollutants or other factors contributing to biological impairment. In these cases, actual monitoring has detected biological impairment but the exact pollutant cause has yet to be determined. For these impaired waters, the next step in the state's water quality management process will be to conduct stressor identification analyses to identify the stressor(s) causing the impairment. Once the stressor(s) are identified, the Total Maximum Daily Load (TMDL) process where applicable can proceed. For stressors identified that are not applicable to the TMDL process, other water quality management actions will be needed. Other causes of impairment noted in the basin are from pathogens, mercury, and PCBs. The source of pathogen and biological impairments in the Pearl River Basin is unknown. As stated above, the majority of impairment was determined to be biological and therefore sources of the impairment are yet to be determined. Other causes of impairment include mercury which is believed to result from a combination of natural geologic conditions, old industrial point sources, and

atmospheric deposition from coal fired plants and incinerators and runoff from industrial point sources for the PCBs.

Aquatic Life Use Support

As stated earlier, all of the Aquatic Life Use Support assessments were based on biological monitoring data collected as part of the development of Mississippi's IBI process, M-BISQ for rivers and streams. Of the Pearl River Basin's assessed stream and river miles, approximately 674 miles of perennial rivers and streams are attaining their aquatic life use, while 483 miles were assessed as not attaining and are considered impaired (Figure 54). All of the non-attainment assessments are attributed to biological impairment and stressor identification studies are pending to determine the actual pollutant(s) contributing to the impairment. Ross Barnett Reservoir (22,221 acres) was assessed as attaining ALUS based on data collected as part of the Lakes Nutrient Criteria Development Project. Figures 55-56 depict geo-referenced coverages of the Aquatic Life Use Support assessments for the Pearl River Basin.

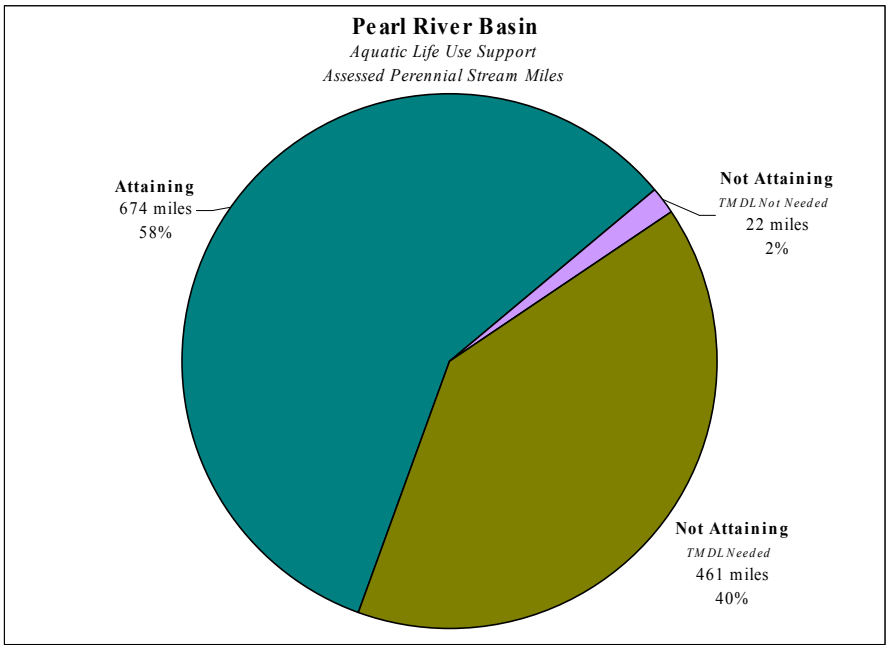


Figure 54: Aquatic Life Use Support-Pearl River Basin

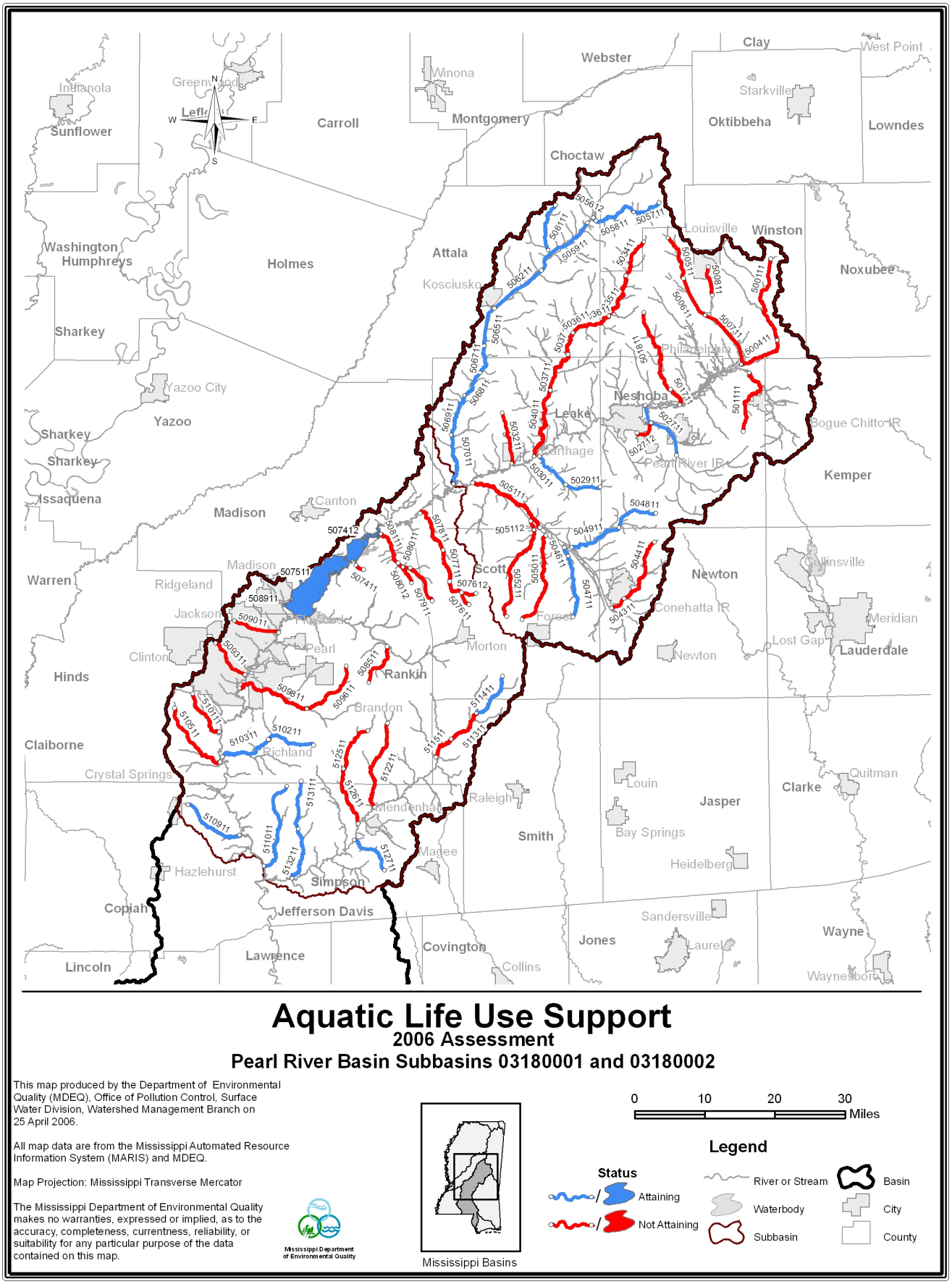


Figure 55: Aquatic Life Use Support Map-Upper Pearl River Basin

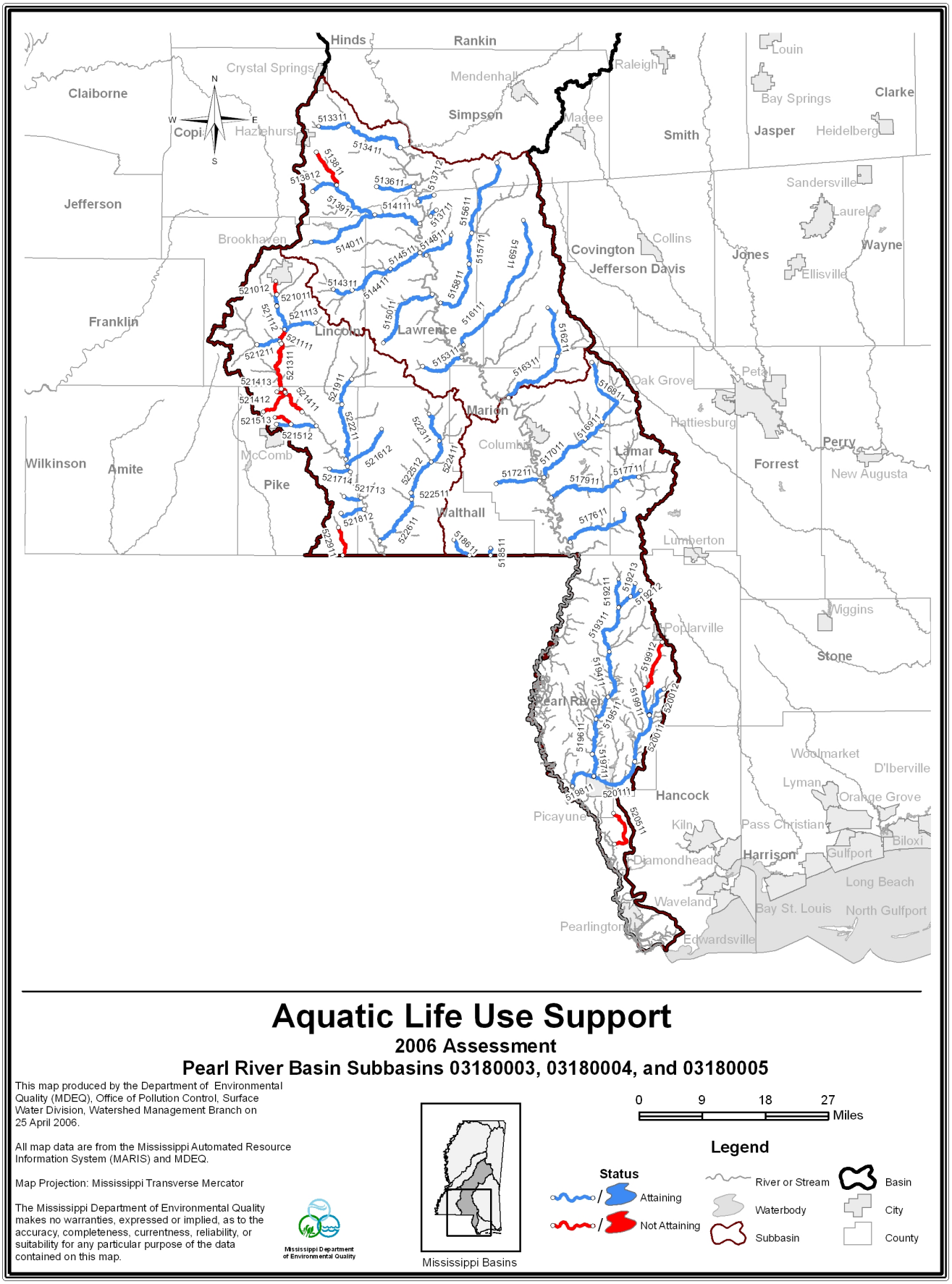


Figure 56: Aquatic Life Use Support Map-Lower Pearl River Basin

Contact Recreation Use Support

Data collected as part of a statewide §303(d) fecal coliform project were used to make the Contact Recreation Use Support assessments. This includes streams that are classified as primary contact recreation as well as streams with data for secondary contact recreation. Both classifications are subject to the same standards in the contact recreation season. For more information on the state's water quality standards, please review the document: State of Mississippi Water Quality Criteria for Intrastate, Interstate and Coastal Waters (2002) which can be found at the following website: www.deq.state.ms.us. Of the Pearl River Basin's assessed stream and river miles, approximately 454 miles of perennial rivers and streams are attaining their recreation use, while 347 miles were assessed as not attaining and are considered impaired (Figure 57). Figures 58-59 depict geo-referenced coverages of the Contact Recreation Use Support assessments for the Pearl River Basin.

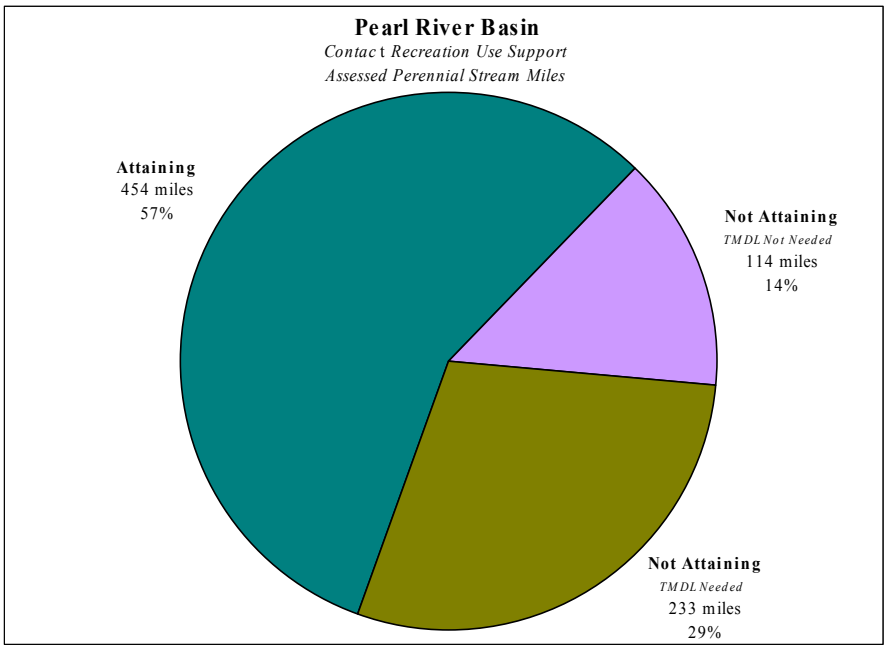


Figure 57: Contact Recreation Use Support- Pearl River Basin

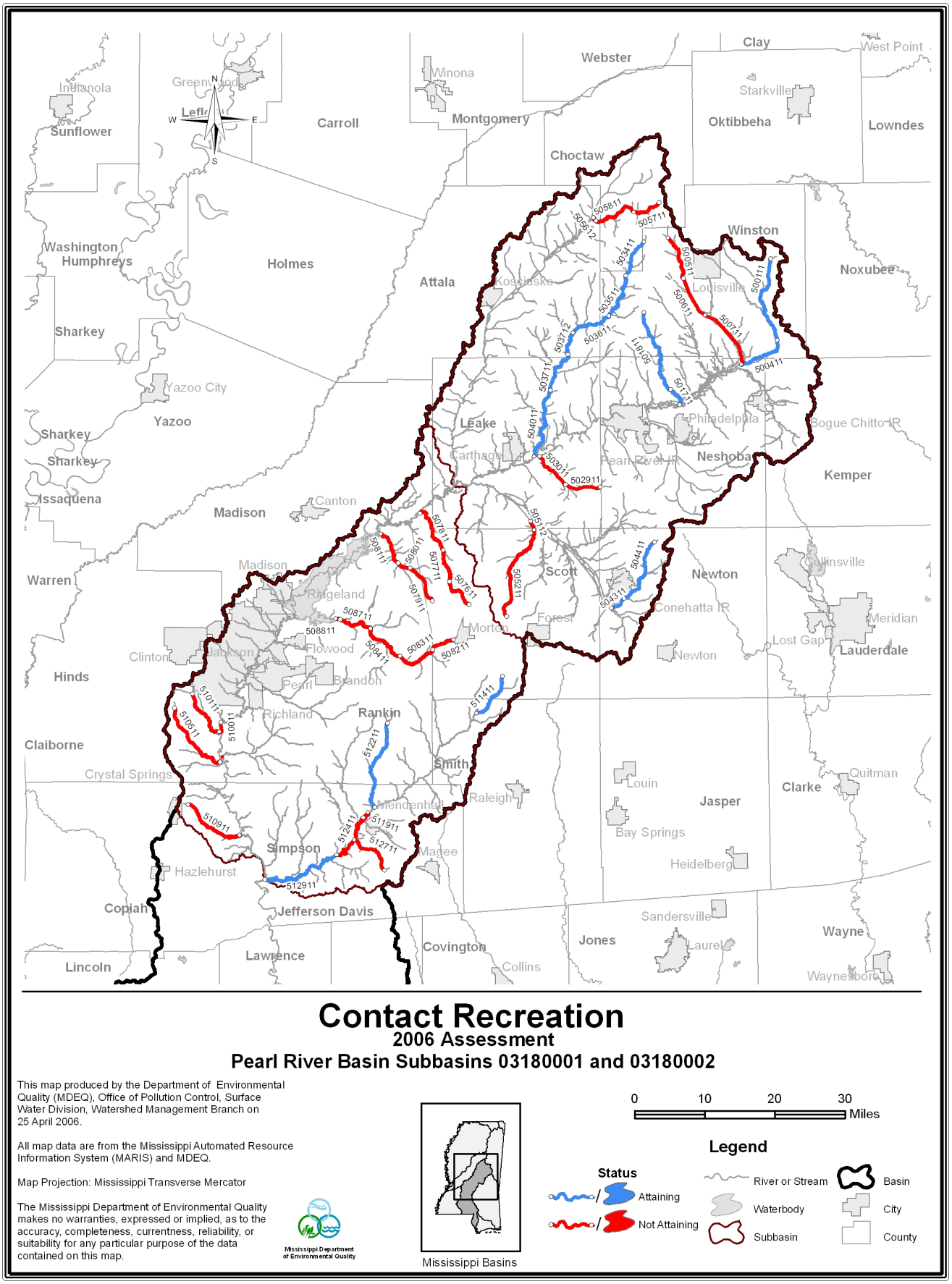
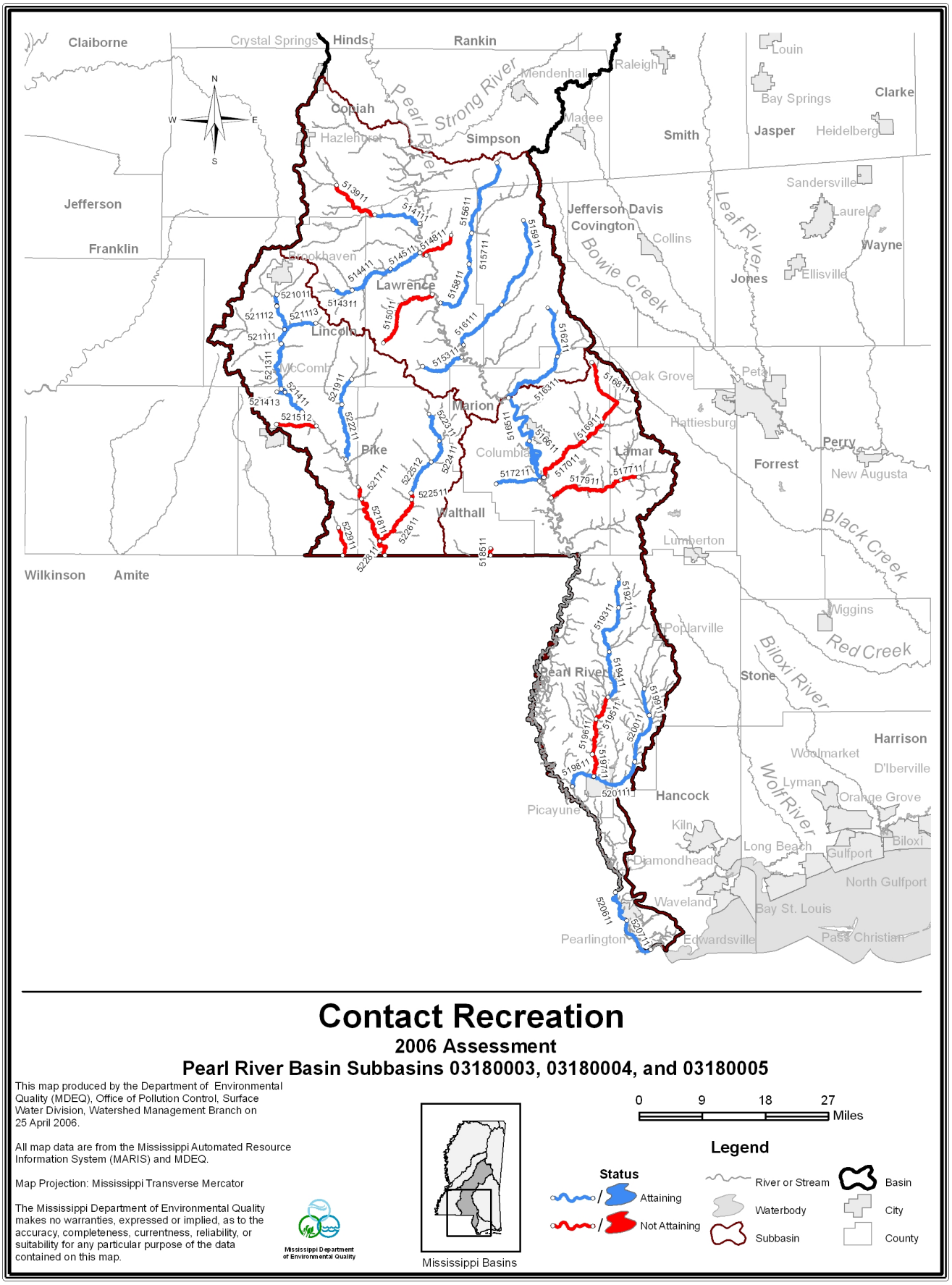


Figure 58: Contact Recreation Use Support Map-Upper Pearl River Basin



Contact Recreation

2006 Assessment

Pearl River Basin Subbasins 03180003, 03180004, and 03180005

This map produced by the Department of Environmental Quality (MDEQ), Office of Pollution Control, Surface Water Division, Watershed Management Branch on 25 April 2006.

All map data are from the Mississippi Automated Resource Information System (MARIS) and MDEQ.

Map Projection: Mississippi Transverse Mercator

The Mississippi Department of Environmental Quality makes no warranties, expressed or implied, as to the accuracy, completeness, currentness, reliability, or suitability for any particular purpose of the data contained on this map.

Figure 59: Contact Recreation Use Support Map-Lower Pearl River Basin

Fish Consumption Use Support

Data collected and analyzed as part of MDEQ's fish tissue monitoring program and warranting fish tissue advisories were used to make the Fish Consumption Use Support assessments. Currently, there are five water bodies in the Pearl River Basin with fish tissue advisories. These waters are portions of Little Conehoma Creek, Yockanookany River, Bogue Chitto River, and Pearl River. These impairments are attributed to the presence of mercury and PCB's in fish tissue. TMDLs have been completed for these pollutants.

Table 7: 2006 §305(b) Assessed Water Bodies-Pearl River Basin

PEARL RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
BAHALA CREEK	513811	513811	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE W/RUSSELL CREEK				
BAHALA CREEK	513911	513911	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM CONFLUENCE TO RUSSELL CREEK TO CONFLUENCE WITH LITTLE BAHALA CREEK				
BAHALA CREEK	514111	N/A	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM CONFLUENCE OF LITTLE BAHALA CREEK TO MOUTH AT PEARL RIVER				
BARS BRANCH	521714	MS189BE	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT BOGUE CHITTO				
BEAVER CREEK	521413	521413	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM OUTFALL AT DIXIE SPRINGS LAKE TO MOUTH AT BOUGE CHITTO RIVER				
BIG BRANCH	519213	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT LITTLE HELL CREEK				
BIG CREEK	510111	MS159E	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS NEAR JACKSON TO MOUTH AT PEARL RIVER				
BIG CREEK	513111	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MWS 5132 BOUNDARY				

PEARL RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
BIG CREEK	521211	MS187BE1	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH SASSERS MILL CREEK TO MOUTH AT BOGUE CHITTO				
BIG CREEK	513211	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS 5131 BOUNDARY TO MOUTH AT STRONG RIVER				
BOGUE CHITTO	521111	MSBGCHTRM 2	Aquatic Life Support	Not Attaining
			Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE WITH BOONE CREEK TO 5213 MWS			Secondary Contact	Attaining
BOGUE CHITTO	521411	521411	Aquatic Life Support	Not Attaining
			Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 5213 TO MS HIGHWAY 570 BRIDGE			Secondary Contact	Attaining
BOGUE CHITTO	521112	MSBGCHTRM 1	Aquatic Life Support	Attaining
			Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 210 TO CONFLUENCE OF BOONE CREEK			Secondary Contact	Attaining
BOGUE CHITTO	521414	MSBGCHTRM 3	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM HWY 570 BRIDGE TO MWS BOUNDARY 5215				
BOGUE CHITTO	521611	MSBGCHTRM 3	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 5215 TO MWS BOUNDARY 5217				
BOGUE CHITTO	521712	MSBGCHTRM 3	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 5216 TO PIKE/WALTHALL COUNTY LINE				

PEARL RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
BOGUE CHITTO	522811	MSBGCHTRM 4	Fish Consumption	Not Attaining, TMDL Completed
			Primary Contact (Recr)	Not Attaining, TMDL Completed
LOCATION: FROM MAGEES CREEK TO LA STATE LINE				
BOGUE CHITTO	521811	MSBGCHTRM 4	Fish Consumption	Not Attaining, TMDL Completed
			Primary Contact (Recr)	Not Attaining, TMDL Completed
LOCATION: MWS BOUNDARY 5217 TO MAGEES CREEK				
BOGUE CHITTO	521711	MSBGCHTRM 4	Fish Consumption	Not Attaining, TMDL Completed
			Primary Contact (Recr)	Not Attaining, TMDL Completed
LOCATION: FROM PIKE/WALTHALL COUNTY LINE TO MWS BOUNDARY 5218				
BOGUE CHITTO	521511	MSBGCHTRM 3	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 5214 TO MWS BOUNDARY 5216				
BOONE CREEK	521113	MS187BE	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT BOGUE CHITTO				
BOUGE CHITTO RIVER	521011	MSBGCHTRM 1	Aquatic Life Support	Attaining
			Fish Consumption	Not Attaining, TMDL Completed
			Secondary Contact	Attaining
LOCATION: NEAR ENTERPRISE FROM CONFLUENCE OF HALBERT BRANCH AND EAST BOGUE CHITTO TO 5211 MWS				
BOUGE CHITTO RIVER	521311	MSBGCHTRM 2	Aquatic Life Support	Not Attaining
			Fish Consumption	Not Attaining, TMDL Completed
			Secondary Contact	Attaining
LOCATION: FROM 5211 MWS TO JOHNSONS STATION				
BRUSHY CREEK	510911	MS162E	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO MOUTH AT PEARL RIVER				

PEARL RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
CAMPBELL CREEK	512211	MS165CE	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT STRONG RIVER				
CANE CREEK	507411	MS151E1	Aquatic Life Support	Not Attaining
LOCATION: NEAR GOSHEN SPRINGS FROM HEADWATERS AT RAILROAD TRACKS SOUTH OF HWY 43 TO ROSS BARNETT RESERVOIR FLOOD POOL				
CANEY CREEK	511411	MS164CE	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT STRONG RIVER				
CASCADE CREEK	513712	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT PEARL RIVER				
CLABBER CREEK	521412	MS189E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT BOGUE CHITTO				
CLEAR CREEK	517611	MS180CE	Aquatic Life Support	Attaining
LOCATION: NEAR SANDY HOOK FROM HEADWATERS TO MOUTH AT PEARL RIVER				
CLEAR CREEK	521512	MSPL189R00-010	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining
LOCATION: NEAR SUMMIT FROM HEADWATERS TO MOUTH AT BOUGE CHITTO RIVER				
COFFEE BOGUE	507611	MS149E	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM HEADWATERS TO 5077 MWS BOUNDARY				

PEARL RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
COFFEE BOGUE	507711	MS149E	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM 5076 MWS BOUNDARY TO 5078 MWS BOUNDARY				
COFFEE BOGUE CR	507811	MS149E	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM 5077 MWS BOUNDARY TO MOUTH AT PEARL RIVER				
COLE CREEK	506111	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO WATERSHED 5059 BOUNDARY				
CONEHATTA CREEK	504311	MS137CE	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM 3044 MWS BOUNDARY TO MOUTH AT BIG CANAL				
CONEHATTA CREEK	504411	MS137CE	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO 3043 MWS BOUNDARY				
CONEHOMA CREEK	506611	MS147M2	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM HWY 35 BRIDGE TO MOUTH AT YOCKANOOKANY RIVER				
COPIAH CREEK	513311	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MWS 5134 BOUNDARY				
COPIAH CREEK	513411	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS 5133 BOUNDARY TO MOUTH AT PEARL RIVER				

PEARL RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
DABBS CREEK	512511	MS167DE	Aquatic Life Support	Not Attaining
LOCATION: NEAR D'LO FROM HEADWATERS TO MWS 5126 BOUNDARY				
DABBS CREEL	512611	MS167DE	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS 5125 BOUNDARY TO MOUTH AT STRONG RIVER				
EAST HOBOLOCHITTO CREEK	519911	MS184HE	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS AT CONFLUENCE WITH JUNIPER CREEK TO CONFLUENCE WITH MORAN CREEK				
EAST HOBOLOCHITTO	520111	MS184HE	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM 5200 MWS BOUNDARY TO CONFLUENCE W/ WEST HOBOLOCHITTO CREEK				
EAST HOBOLOCHITTO CREEK	519811	MS184HE	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM CONFLUENCE W/WEST HOBOLOCHITTO CREEK TO MOUTH AT PEARL RIVER				
EAST HOBOLOCHITTO CREEK	520011	MS184HE	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM CONFLUENCE W/MORAN CREEK TO MWS 5201 BOUNDARY				
EUTACUTACHEE CREEK	508511	MS152E	Aquatic Life Support	Not Attaining
LOCATION: NEAR PELAHATCHIE FROM HEADWATERS TO MOUTH AT PELAHATCHIE CREEK				
FAIR RIVER	514311	MS172FE	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH LITTLE FAIR RIVER				

PEARL RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
FAIR RIVER	514411	MS172FE	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM LITTLE FAIR RIVER TO CONFLUENCE WITH BEAR CREEK				
FAIR RIVER	514511	MS172FE	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM CONFLUENCE WITH BEAR CREEK TO CONFLUENCE WITH PEARL RIVER				
FANNEGUSHA CREEK	507911	MS151FE	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining
LOCATION: FROM HEADWATERS TO 5080 MWS BOUNDARY				
FANNEGUSHA CREEK	508111	MS151FE	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining
LOCATION: FROM 5080 MWS BOUNDARY TO MOUTH AT ROSS BARNETT RESERVOIR				
FANNEGUSHA CREEK	508011	MS151FE	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining
LOCATION: FROM 5079 MWS BOUNDARY TO 5081 MWS BOUNDARY				
HALBERT BRANCH	521012	MS187HE	Aquatic Life Support	Not Attaining
LOCATION: FROM BROOKHAVEN TO CONFLUENCE WITH EAST BOGUE CHITTO CREEK AT HEADWATERS OF BOGUE CHITTO RIVER				
HALLS CREEK	515011	MSPL174R00_020	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT PEARL RIVER				
HANGING MOSS CREEK	509011	MS155E	Aquatic Life Support	Not Attaining
LOCATION: AT JACKSON FROM HEADWATERS TO MOUTH AT PEARL RIVER				

PEARL RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
HOLIDAY CREEK LOCATION: FROM HEADWATERS TO 5162 MWS BOUNDARY	516211	MS176E	Aquatic Life Support Secondary Contact	Attaining Attaining
HOLIDAY CREEK LOCATION: FROM 5162 MWS BOUNDARY TO MOUTH OF PEARL RIVER	516311	MS176E	Aquatic Life Support Secondary Contact	Attaining Attaining
HONTOKALO CREEK LOCATION: FROM MWS 5047 BOUNDARY TO MOUTH AT LITTLE CANAL	504611	N/A	Aquatic Life Support	Attaining
HONTOKALO CREEK LOCATION: NEAR STEEL FROM HEADWATERS TO MWS 5046	504711	N/A	Aquatic Life Support	Attaining
HUGHES CREEK LOCATION: AT LOUISVILLE FROM HEADWATERS TO COUNTY ROAD AT ESTES	500811	MS122E1	Aquatic Life Support	Not Attaining
JUNIPER CREEK LOCATION: FROM HEADWATERS TO MOUTH AT EAST HOBOLOCHITTO CREEK	519912	MS184JE	Aquatic Life Support	Not Attaining
KENTAWKA CREEK LOCATION: FROM 5025 MWS BOUNDARY TO MOUTH AT PEARL RIVER	502711	N/A	Aquatic Life Support	Attaining
LEATHERWOOD CREEK LOCATION: FRMO HEADWATERS TO MOUTH AT BOGUE CHITTO	521612	N/A	Aquatic Life Support	Attaining

PEARL RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
LIMESTONE CREEK	511011	N/A	Aquatic Life Support	Attaining
LOCATION: FREOM HEADWATERS TO MOUTH AT PEARL RIVER				
LITTLE BAHALA CREEK	514011	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT BAHALA CREEK				
LITTLE HELL CREEK	519212	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS OT MOUTH AT WEST HOBOLOCHITTO CREEK				
LOVE CREEK	521713	MS189SE	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT BOGUE CHITTO				
LOWER LITTLE CREEK	517711	MS179E	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM HEADWATES TO CONFLUENCE WITH GULLY CREEK				
LOWER LITTLE CREEK	517911	MS179E	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM CONFLUENCE WITH GOLLY CREEK TO MOUTH AT PEARL RIVER				
LOWER LOBUTCHA CREEK	503711	MS133LE	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM PEELER BRANCH TO MWS 5037 BOUNDARY				
LOWER LOBUTCHA CREEK	504011	MS133LE	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM 5037 MWS BOUNDARY TO PEARL RIVER				

PEARL RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
LYNCH CREEK	509311	MS157L	Aquatic Life Support	Not Attaining
LOCATION: AT JACKSON FROM HEADWATERS TO MOUTH AT PEARL RIVER				
MAGEES CREEK	522311	MS190E	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 5224				
MAGEES CREEK	522411	MS190E	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM MWS BOUNDARY 5223 TO CONFLUENCE OF VARNELL CREEK				
MAGEES CREEK	522511	MS190E	Aquatic Life Support	Attaining
			Primary Contact (Recr)	Not Attaining, TMDL Completed
LOCATION: FROM US98 BRIDGE TO CONFLUENCE OF DRY CREEK IN TYLERTOWN				
MAGEES CREEK	522611	MS190E	Aquatic Life Support	Attaining
			Primary Contact (Recr)	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE OF DRY CREEK IN TYLERTOWN TO MOUTH AT BOGUE CHITTO				
MAGEES CREEK	522512	MS190E	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM CONFLUENCE OF VARNELL CREEK TO US98 BRIDGE				
MORAN CREEK	520012	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT EAST HOBOLOCHITTO CREEK				
NANIH WAIYA CREEK	500111	MS120E	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO 5004 MWS BOUNDARY				

PEARL RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
NANIH WAIYA CREEK	500411	MS120E	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM 5001 MWS BOUNDARY TO TALLAHAGA CREEK				
OWL CREEK	501111	MS121O	Aquatic Life Support	Not Attaining
LOCATION: NEAR PRESTON FROM HEADWATERS TO MOUTH AT BOGUE CHITTO CREEK				
PEARL RIVER	503311	MSUMPRLR2 M	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE OF TUSCOLAMETA CREEK TO CONFLUENCE OF YOCKANOOKANY RIVER				
PEARL RIVER	516611	MSLPRLRM5	Primary Contact (Recr)	Attaining
LOCATION: FROM MWS 5165 BOUNDARY TO CONFLUENCE WITH UPPER LITTLE CREEK				
PEARL RIVER	516511	MSLPRLRM5	Primary Contact (Recr)	Attaining
LOCATION: FROM CONFLUENCE WITH HOLIDAY CREEK TO MWS BOUNDARY 5166				
PEARL RIVER	507211	MSUMPRLR2 M	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE OF YOCKANOOKANY RIVER TO CONFLUENCE OF COFFEE BOGUE				
PEARL RIVER	510011	MSUMPRLR1 M2	Primary Contact (Recr)	Not Attaining, TMDL Completed
LOCATION: FROM 5101 MWS WATERSHED BOUNDARY TO CONFLUENCE WITH BIG CREEK				
PEARL RIVER	520611	MSLPRLRM1	Primary Contact (Recr)	Attaining
LOCATION: FROM MWS 5204 TO MWS 5207				

PEARL RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
PEARL RIVER LOCATION: FROM THE MWS 5206 TO THE MS SOUND	520711	MSLPRLRM1	Primary Contact (Recr)	Attaining
PEGIES CREEK LOCATION: FROM HEADWATERS TO MOUTH AT PEARL RIVER	513611	N/A	Aquatic Life Support	Attaining
PELAHATCHIE CREEK LOCATION: FROM 5082 MWS BOUNDARY TO 5084 MWS BOUNDARY	508311	MS153PE	Secondary Contact	Not Attaining
PELAHATCHIE CREEK LOCATION: FROM 5087 MWS BOUNDARY TO MOUTH AT ROSS BARNETT RESERVOIR	508811	MS153PE	Secondary Contact	Not Attaining
PELAHATCHIE CREEK LOCATION: FROM 5083 MWS BOUNDARY TO CONFLUENCE W CLEAR CREEK	508411	MS153PE	Secondary Contact	Not Attaining
PELAHATCHIE CREEK LOCATION: FROM CONFLUENCE W/ CLEAR CREEK TO 5083 MWS BOUNDARY	508711	MS153PE	Secondary Contact	Not Attaining
PELHATCHIE CREEK LOCATION: NEAR MORTON FROM HEADWATERS TO 5083 MWS BOUNDARY	508211	MS153PE	Secondary Contact	Not Attaining
PINISHOOK CREEK LOCATION: FROM 5018 BOUNDARY TO PEARL RIVER	501711	MS125PE	Aquatic Life Support Secondary Contact	Not Attaining Attaining

PEARL RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
PINISHOOK CREEK	501811	MS125PE	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO 5017 MWS BOUNDARY				
PRETTY BRANCH	514811	MS171PE	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM HEADWATERS TO PEARL RIVER				
PUSHEPATAPA CREEK	518511	MS181PE	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO LA STATE LINE				
RED CANE CREEK	508012	MS151M2	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: NEAR LEESBURG FROM HEADWATERS TO MOUTH AT FANNEGUSHA CREEK				
RHODES CREEK	510511	MS161E	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO MOUTH AT PEARL RIVER				
RIALS CREEK	512711	MS166RE	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO STRONG RIVER				
RICHLAND CREEK	509611	MS158E	Aquatic Life Support	Not Attaining
LOCATION: NEAR RICHLAND FROM HEADWATERS TO MWS 5098 BOUNDARY				
RICHLAND CREEK	509811	MS158E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS 5096 BOUNDARY TO MOUTH AT PEARL RIVER				

PEARL RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
ROSS BARNETT LOCATION: NEAR JACKSON	507412	N/A	Aquatic Life Support	Attaining
ROSS BARNETT LOCATION: NEAR JACKSON	508911	N/A	Aquatic Life Support	Attaining
ROSS BARNETT LOCATION: NEAR JACKSON	507511	N/A	Aquatic Life Support	Attaining
RUSSELL CREEK LOCATION: FROM HEADWATERS TO MOUTH AT BAHALA CREEK	513812	N/A	Aquatic Life Support	Attaining
SHOCKALOO CREEK LOCATION: FROM MWS 5052 BOUNDARY TO MOUTH AT CANAL	505112	MS143E	Aquatic Life Support Secondary Contact	Not Attaining Not Attaining
SHOCKALOO CREEK LOCATION: FROM HEADWATERS TO 5051 MWS BOUNDARY	505211	MS143E	Aquatic Life Support Secondary Contact	Not Attaining Not Attaining
SILVER CREEK LOCATION: FROM HEADWATERS TO CONFLUENCE W/ FIDDLERS CREEK	515611	MS173E	Aquatic Life Support Secondary Contact	Attaining Attaining
SILVER CREEK LOCATION: FROM 5157 MWS BOUNDARY TO PEARL RIVER	515811	MS173E	Aquatic Life Support Secondary Contact	Attaining Attaining

PEARL RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
SILVER CREEK LOCATION: FROM HEADWATERS TO LA STATE LINE	522911	MS191SE	Aquatic Life Support Secondary Contact	Not Attaining Not Attaining
SILVER CREEK LOCATION: FROM CONFLUENCE FIDDLERS CREEK TO 5158 MWS BOUNDARY	515711	MS173E	Aquatic Life Support Secondary Contact	Attaining Attaining
SIMON CREEK LOCATION: FROM HEADWATERS TO MOUTH AT IRVING CREEK	513711	N/A	Aquatic Life Support	Attaining
SIPSEY CREEK LOCATION: FROM HEADWATERS TO MWS 5049 BOUNDARY	504811	N/A	Aquatic Life Support	Attaining
SIPSEY CREEK LOCATION: FROM MWS 5048 BOUNDARY TO MOUTH AT BIG CANAL	504911	N/A	Aquatic Life Support	Attaining
SLIVER CREEK LOCATION: FROM HEADWATERS TO MOUTH AT BOGUE CHITTO	521812	N/A	Aquatic Life Support	Attaining
STANDING PINE CREEK LOCATION: FROM UNNAMED LAKE OUT FALL TO 5030 MWS BOUNDARY	502911	MS131E	Aquatic Life Support Secondary Contact	Attaining Not Attaining, TMDL Completed
STANDING PINE CREEK LOCATION: FROM 5029 MWS BOUNDARY TO PEARL RIVER	503011	MS131E	Aquatic Life Support Secondary Contact	Attaining Not Attaining, TMDL Completed

PEARL RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
STEEN CREEK	510211	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MWS 5103 BOUNDARY				
STEEN CREEK	510311	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS 5102 BOUNDARY TO MOUTH AT PEARL RIVER				
STRONG RIVER	511311	MSSTRONGE	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS AT CANEY CREEK TO MWS 5115 BOUNDARY				
STRONG RIVER	512911	MSSTRONGE1	Primary Contact (Recr)	Attaining
LOCATION: FROM 5124 MWS BOUNDARY TO MOUTH AT PEARL				
STRONG RIVER	512411	MSSTRONGE1	Primary Contact (Recr)	Not Attaining
LOCATION: FROM 5119 MWS BOUNDARY TO CONFLUENCE WITH ALLEN CREEK				
STRONG RIVER	511511	MSSTRONGE	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS 5113 BOUNDARY TO CONFLUENCE WITH PURVIS CREEK				
STRONG RIVER	511911	MSSTRONGE1	Primary Contact (Recr)	Not Attaining
LOCATION: NEAR D'LO TO 5124 MWS BOUNDARY				
SUGAR BOGUE	507612	MS149S	Aquatic Life Support	Not Attaining
LOCATION: NEAR FORKVILLE FROM HEADWATERS TO MOUTH AT COFFEE BOGUE				

PEARL RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
TALLABOGUE CREEK	505011	MS142E1	Aquatic Life Support	Not Attaining
LOCATION: NEAR FOREST FROM HEADWATERS TO CONFLUENCE WITH LITTLE CANAL				
TALLAHAGA CREEK	500511	MS122E	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS 5006 MWS BOUNDARY				
TALLAHAGA CREEK	500611	MS122E	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 5005 TO MWS BOUNDARY 5007				
TALLAHAGA CREEK	500711	MS122E	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM 5006 MWS BOUNDARY TO CONFLUENCE W/ BIG SLOUGH				
TEN MILE CREEK	517211	MS178TE	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT PEARL RIVER				
TIBBY CREEK	505612	MS146TE	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM 5058 BOUNDARY TO MOUTH AT YOCKANOOKANY RIVER				
TIBBY CREEK	505711	MS146TE	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE ROBINSON BR.				
TIBBY CREEK	505811	MS146TE	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM CONFLUENCE W/ROBINSON BR TO 5056 MWS BOUNDARY				

PEARL RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
TILTON CREEK	515311	MS174E	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT PEARL RIVER				
TOPISAW CREEK	521911	MS188TE	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM CONFLUENCE W/EAST TOPISAW CREEK TO 5222 MWS BOUNDARY				
TOPISAW CREEK	522211	MS188TE	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM 5219 MWS BOUNDARY TO CONFLUENCE AT BOGUE CHITTO RIVER				
TOWN CREEK	503211	MS134T	Aquatic Life Support	Not Attaining
LOCATION: AT CARTHAGE FROM HEADWATERS TO MOUTH AT PEARL RIVER				
TURTLESKIN CREEK	520511	MS186T	Aquatic Life Support	Not Attaining
LOCATION: NEAR SANTA ROSA FROM HEADWATERS TO CONFLUENCE WITH MIKES RIVER				
TUSCOLAMETA CREEK	505111	MS144E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADATERS AT MWS 5046 BOUNDARY TO MOUTH AT PEARL RIVER				
UNNAMED TRIB TO CLEAR CREEK	521513	521513	Aquatic Life Support	Not Attaining
LOCATION: NEAR SUMMITT FROM HEADWATERS TO MOUTH AT CLEAR CREEK				
UPPER LITTLE CREEK	516811	MS177E	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM HEADWATERS TO 5169 MWS BOUNDARY				

PEARL RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
UPPER LITTLE CREEK	516911	MS177E	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM 5168 MWS BOUNDARY TO 5170 MWS BOUNDARY				
UPPER LITTLE CREEK	517011	MS177E	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM 5169 MWS BOUNDARY TO PEARL RIVER				
UPPER LOBUTCHA CREEK	503411	MS132E	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO 5035 MWS BOUNDARY				
UPPER LOBUTCHA CREEK	503511	MS132E	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM 5031 MWS BOUNDARY TO 5036 MWS BOUNDARY				
UPPER LOBUTCHA CREEK	503611	MS132E	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM 5035 MWS BOUNDARY TO 5037 MWS BOUNDARY				
UPPER LOBUTCHA CREEK	503712	MS132E	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM MWS 5036 BOUNDARY TO PEELER BRANCH				
WEST FORK PUSHEPATAPA	518611	MS181PM	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO LA STATE LINE				
WEST HOBOLOCHITTO CREEK	519211	MS185E1	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE W/ LITTLE HELL CREEK				

PEARL RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
WEST HOBOLOCHITTO CREEK	519411	MS185E1	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM WHITE SAND CREEK TO KENNEDY CREEK				
WEST HOBOLOCHITTO CREEK	519511	MS185E1	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM CONFLUENCE W/KENNEDY CREEK TO 5196 MWS BOUNDARY				
WEST HOBOLOCHITTO CREEK	519311	MS185E1	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM CONFLUENCE OF LITTLE HELL CREEK TO CONFLUENCE OF WHITE SAND CREEK				
WEST HOBOLOCHITTO CREEK	519611	MS185E1	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM 5196 MWS BOUNDARY TO 5197 MWS BOUNDARY				
WEST HOBOLOCHITTO CREEK	519711	MS185E1	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM 5196 MWS BOUNDARY TO CONFLUENCE W/ EAST HOBOLOCHITTO CREEK				
WHITE SAND CREEK	515911	MS175WE	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE JAYBIRD CREEK				
WHITE SAND CREEK	516111	MS175WE	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM CONFLUENCE AT JAYBIRD CREEK TO MOUTH AT PEARL RIVER				
WOLF CREEK	502712	MS126E1	Aquatic Life Support	Not Attaining
LOCATION: NEAR PHILADELPHIA FROM HEADWATERS NORTH WEST OF FAIRVIEW TO MOUTH AT KENTAWKA CANAL				

PEARL RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
YOCKANOOKANY CREEK LOCATION: FROM MWS BOUNDARY 5059 TO MWS BOUNDARY 5065	506211	MS147E	Aquatic Life Support	Attaining
YOCKANOOKANY RIVER LOCATION: FROM HEADWATERS TO MWS BOUNDARY 5956	505411	MS146YE	Fish Consumption	Not Attaining, TMDL Completed
YOCKANOOKANY RIVER LOCATION: FROM MWS BOUNDARY 5069 TO MOUTH AT PEARL RIVER	507011	MS147E	Aquatic Life Support Fish Consumption	Attaining Not Attaining, TMDL Completed
YOCKANOOKANY RIVER LOCATION: FROM CONFLUENCE OF UNNAMED TRIB AT MCCOOL TO MWS BOUNDARY 5062	505911	MS147E	Aquatic Life Support	Attaining
YOCKANOOKANY RIVER LOCATION: FROM MWS BOUNDARY 5065 TO MWS BOUNDAY 6068	506711	MS147E	Aquatic Life Support Fish Consumption	Attaining Not Attaining, TMDL Completed
YOCKANOOKANY RIVER LOCATION: FROM MWS BOUNDARY 5067 TO MWS BOUNDARY 5069	506811	MS147E	Aquatic Life Support Fish Consumption	Attaining Not Attaining, TMDL Completed
YOCKANOOKANY RIVER LOCATION: FROM MWS BOUNDARY 5068 TO MWS BOUNDARY 5070	506911	MS147E	Aquatic Life Support Fish Consumption	Attaining Not Attaining, TMDL Completed
YOCKANOOKANY RIVER LOCATION: FROM MWS BOUNDARY 5062 TO MWS BOUNDARY 5067	506511	MS147E	Aquatic Life Support Fish Consumption	Attaining Not Attaining, TMDL Completed

PEARL RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
YOCKANOOKANY RIVER	505611	MS146YE	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 5054 TO CONFLUENCE UNNAMED TRIB AT MCCOOL				

SOUTH INDEPENDENT STREAMS BASIN

Basin Description

The South Independent Streams Basin is located in southwest Mississippi and consists of those streams which drain into the Mississippi River below the Big Black River and streams which drain into Louisiana, west of the Pearl River Basin. This 4,418 square miles area comprises all or part of 11 counties in southwestern Mississippi (Figure 60). Major streams in the basin include the Homochitto River, Bayou Pierre, Tangipahoa River and the East and West Forks of the Amite River. For the MDEQ Basin Planning Approach and §305(b) assessment purposes, this basin also includes the Lower Mississippi River portion of the Mississippi River Basin below the city of Vicksburg.

Most of the region is made up of low, rolling hills and is largely forested. On the western side of the basin, high bluffs dominate the topography as the land meets the Mississippi River. The two largest urban areas in the basin are located on the Mississippi River. These river ports are the cities of Natchez and Vicksburg.

Figure 60: South Independent Streams Basin (MDEQ)

The population for the counties within the South Independent Streams Basin was estimated in 2000 at 439,933. There has been a 3% increase since 1990. The largest county populations are found in Adams, Pike, and Lincoln counties.

Land Use

The primary land use in the South Independent Streams Basin is forestry (silviculture). Amite County leads the state in forestry production and is 14th in the nation. The next principal land use in the South Independent Streams Basin is agriculture with some concentrated areas of industry around the cities of Natchez, Brookhaven, and McComb. A depiction of the major land cover in the basin is given in Figure 61.

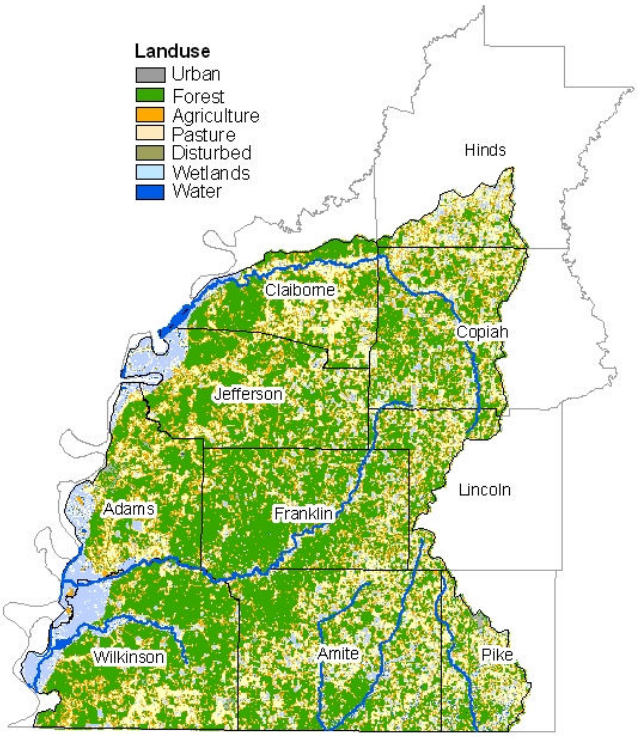


Figure 61: Major Land Cover in the South Independent Streams Basin (MARIS)

In this basin, *Urban* areas make up only 1% of the land cover (Figure 62). Overall, land cover is dominated by natural *Forest* (58%), which includes evergreen, deciduous and mixed-forested areas. *Agricultural (*pastures and croplands) areas comprise 22% of the land use in the basin. *Disturbed areas* such as strip mines, gravel pits, sandy areas, barren, and transitional areas comprise 13% of the basin. *Water*, which includes streams, lakes, reservoir and estuaries, and *Wetland*, which includes forested and nonforested wetlands comprise the remaining 6% of the basin.

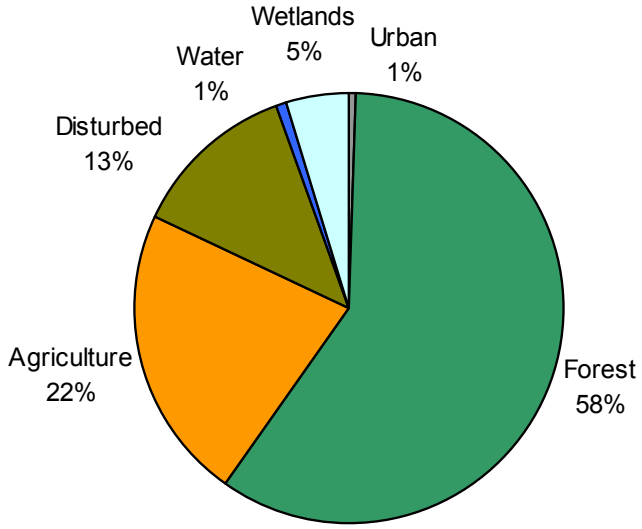


Figure 62: Distribution of Land Cover in the South Independent Streams Basin (MARIS)

Water Resources

The South Independent Streams Basin has a total of 7,347 miles of perennial and intermittent rivers and streams. The majority of these water bodies are classified as Fish and Wildlife streams in the state's water quality standards with portions of several streams and rivers classified for Recreation. These include Bayou Pierre, Little Bayou Pierre, East Fork and West Fork of the Amite River, and Homochitto River. Most streams in the basin have good flow, clear water, and sandy bottoms. Near the Mississippi River, tributaries become flatter and are subject to the river's rise and fall which greatly affect the dynamics of these water bodies.

Several public reservoirs and lakes can be found in the South Independent Streams Basin. These include Lake Tangipahoa in Percy Quin State Park near McComb, Natchez State Park Lake, and Lake Mary. Lake Tangipahoa (Percy Quin State Park Lake) and Clear Springs Lake are classified for recreational use. In October 2005, the dam was completed for Lake Okhissa on the Porter Creek watershed near Bude. This new 1000 acre reservoir is expected to open in 2007. The South Independent Streams Basin has five federally threatened and four federally endangered species. This basin also includes several water bodies proposed for review as potential Mississippi Natural and Scenic Waterways System water bodies: Bayou Pierre, Homochitto River, Tangipahoa River, Buffalo River and the East and West Forks of the Amite River.

Surface Water Assessment

Designated Use Support

The assessments for the South Independent Streams Basin were made based on data from 91 sampling locations in streams and rivers across the basin sampled by MDEQ FSD as part of the §303(d)/IBI wadeable streams project (M-BISQ), the §303(d) fecal coliform monitoring project and the lake nutrient criteria development project (Figure 63). Use support status for the basin is presented and summarized with causes of impairment. No fish tissue advisories are in effect for this basin.

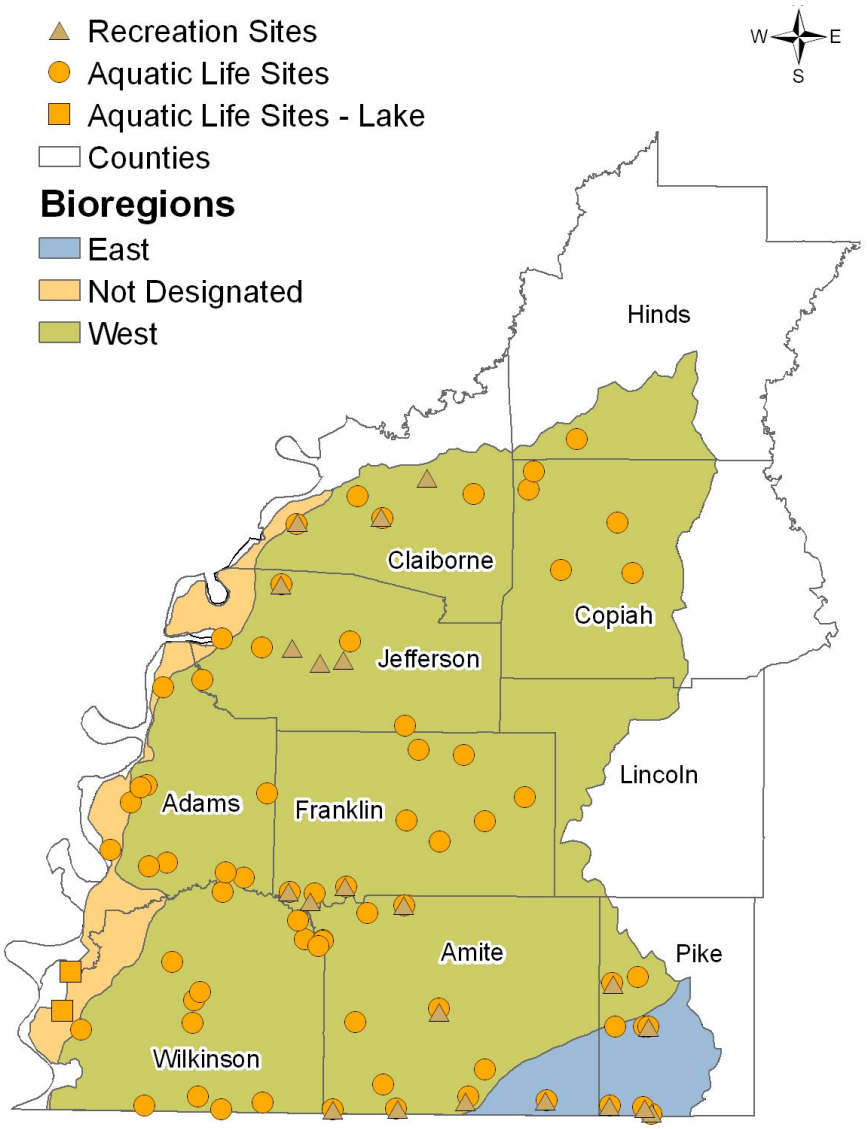


Figure 63: South Independent Streams Basin Monitoring Stations and M-BISQ Bioregions

MDEQ assessed approximately 29% (816 miles) of the total 5,347 perennial miles of streams and rivers in the South Independent Streams Basin. The status of water quality on the remaining 71% (2,028 miles) of the basin's perennial rivers and streams is unknown (Figure 64). Please refer to Table 8 at the end of this section for a tabular listing of all assessments. This table also provides the necessary information to cross-reference the §305(b) assessments with the §303(d) list.

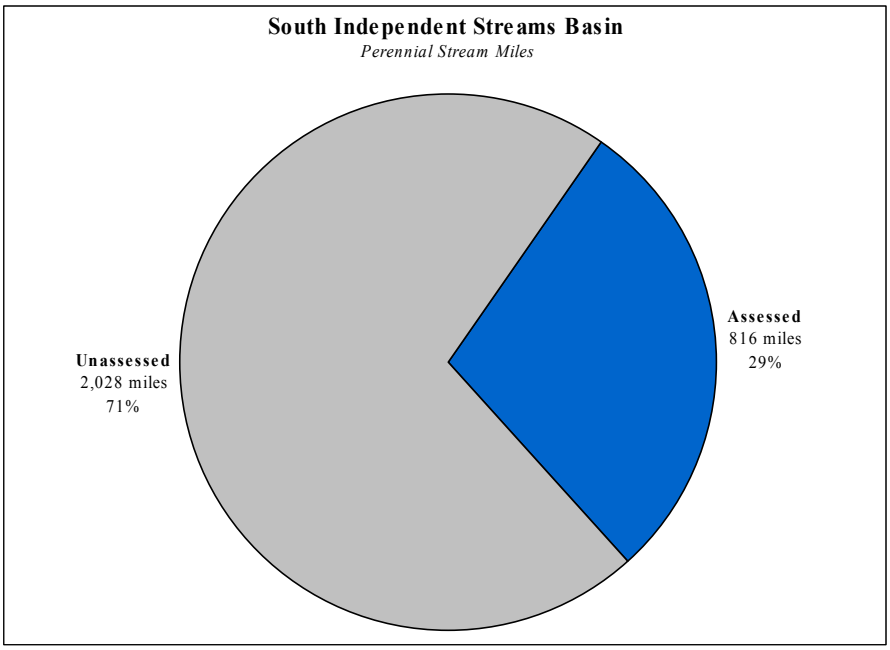


Figure 64: South Independent Streams Basin Assessment of Perennial Rivers and Streams

Causes of Impairment of Designated Uses

Causes of impairment were determined for streams and rivers having one or more uses impaired. Total assessed miles of streams and rivers affected by various cause categories are given in Figure 65. For the majority of miles of assessed rivers not meeting their designated uses, impairment cause is unknown. In these cases, monitoring has detected biological impairment but the exact pollutant cause has yet to be determined. Other causes of impairment noted in the basin are pathogens. For waters with unknown impairment causes, the next step will be to conduct stressor identification analyses to determine specific causes of impairment. Once the stressor(s) are identified, the Total Maximum Daily Load (TMDL) process, where applicable, can proceed. For stressors identified that are not applicable to the TMDL process, other water quality management actions will be needed.

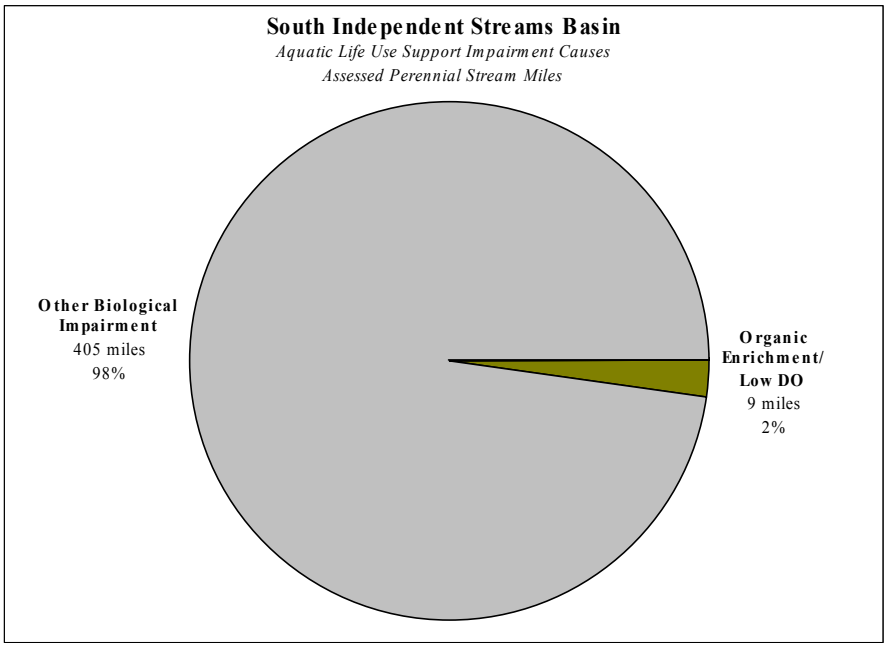


Figure 65: Summary of Aquatic Life Use Support Impairment Causes for Perennial Rivers and Streams-South Independent Streams Basin

Aquatic Life Use Support

As stated earlier, all of the Aquatic Life Use Support assessments were based on biological monitoring data collected as part of the development of Mississippi's IBI process, M-BISQ. Of the South Independent Streams Basin's assessed stream and river miles, approximately 401 miles (49%) of perennial rivers and streams are attaining their aquatic life use, while 414 miles (51%) were assessed as not attaining and are considered impaired (Figure 66). Lake Mary (2,765 acres) was assessed as attaining for ALUS based on data collected as part of the Lake Nutrient Criteria Development Project. All of the non-attainment assessments are contributed to biological impairment. Stressor identification studies will be conducted to determine the actual pollutant(s) contributing to the impairment. Figure 67 depicts a geo-referenced coverage of the Aquatic Life Use Support assessments for the South Independent Streams Basin.

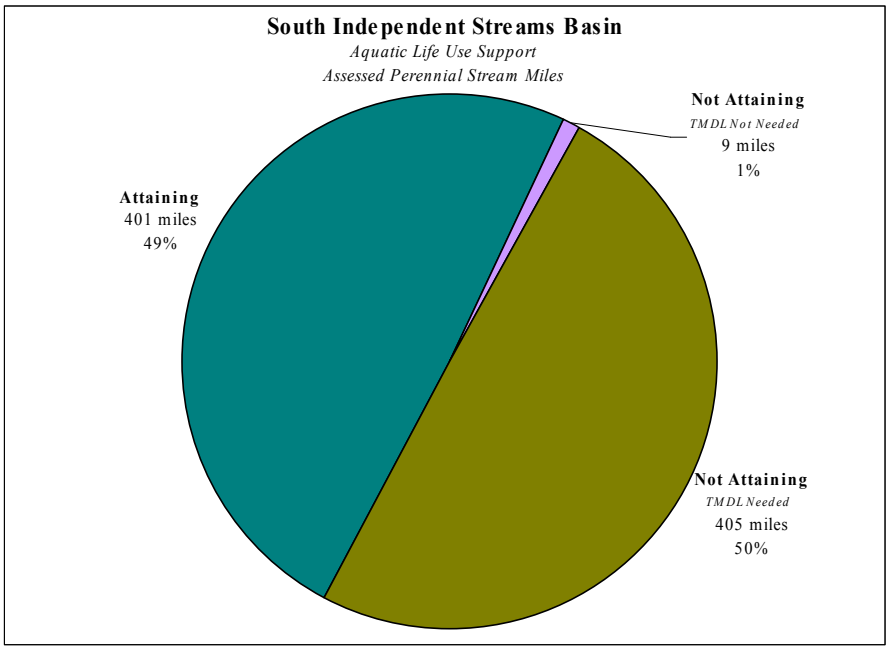


Figure 66: Aquatic Life Use Support-South Independent Streams Basin

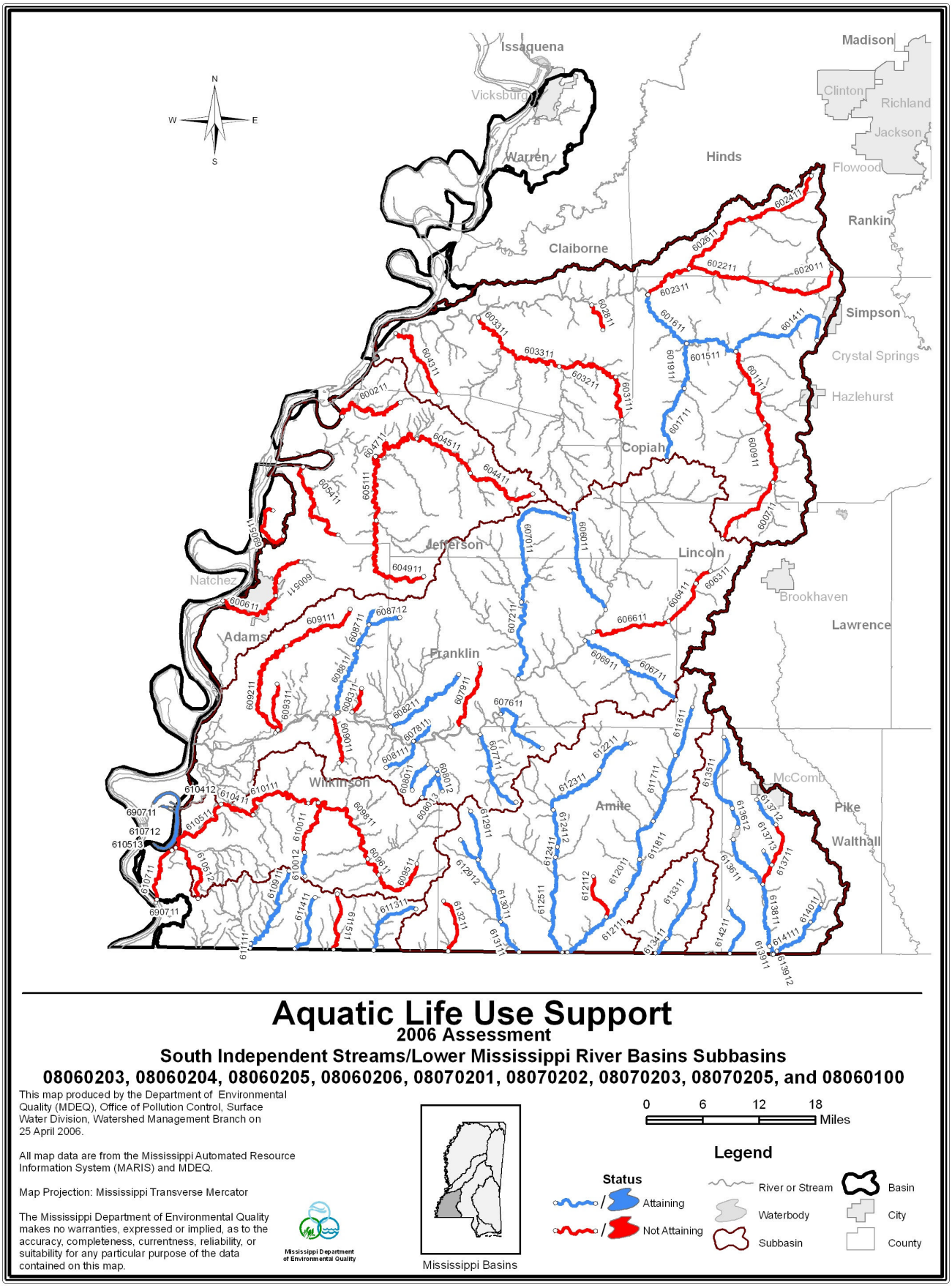


Figure 67: Aquatic Life Use Support Map-South Independent Streams Basin

Contact Recreation Use Support

Data collected as part a statewide §303(d) fecal coliform monitoring project were used to make the Contact Recreation Use Support assessments. This includes streams that are classified as primary contact recreation as well as streams with data for secondary contact recreation. Both classifications are subject to the same standards in the contact recreation season. For more information on the state's water quality standards, please review the document: State of Mississippi Water Quality Criteria for Intrastate, Interstate and Coastal Waters (2002) which can be found at the following website: www.deq.state.ms.us. Of the South Independent Streams Basin's assessed stream and river miles, approximately 156 (71%) miles of perennial rivers and streams are attaining their recreation use, while 64 (29%) miles were assessed as not attaining and are considered impaired (Figure 68). Figure 69 depicts a geo-referenced coverage of the Contact Recreation Use Support assessments for the South Independent Streams Basin.

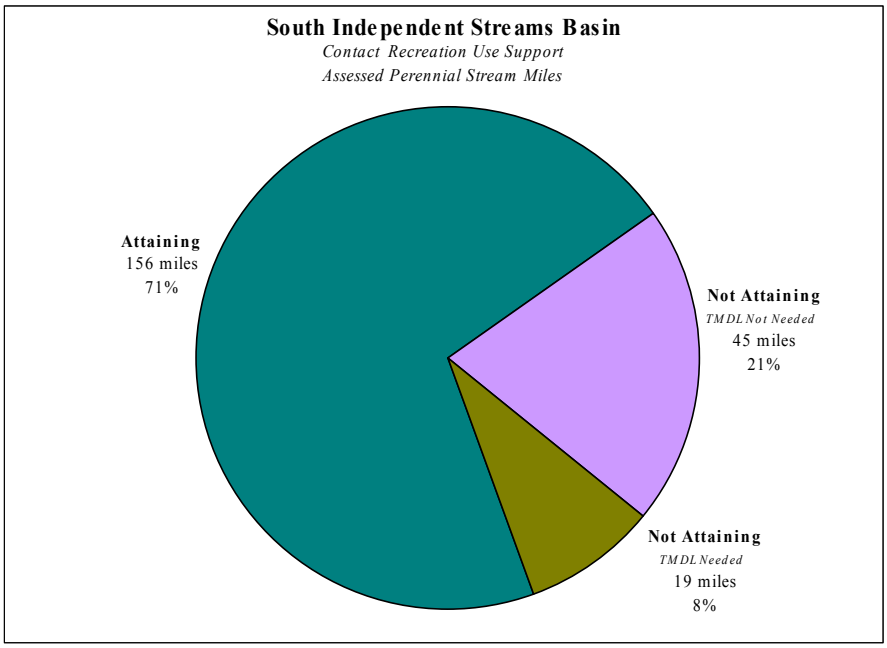


Figure 68: Contact Recreation Use Support-South Independent Streams Basin

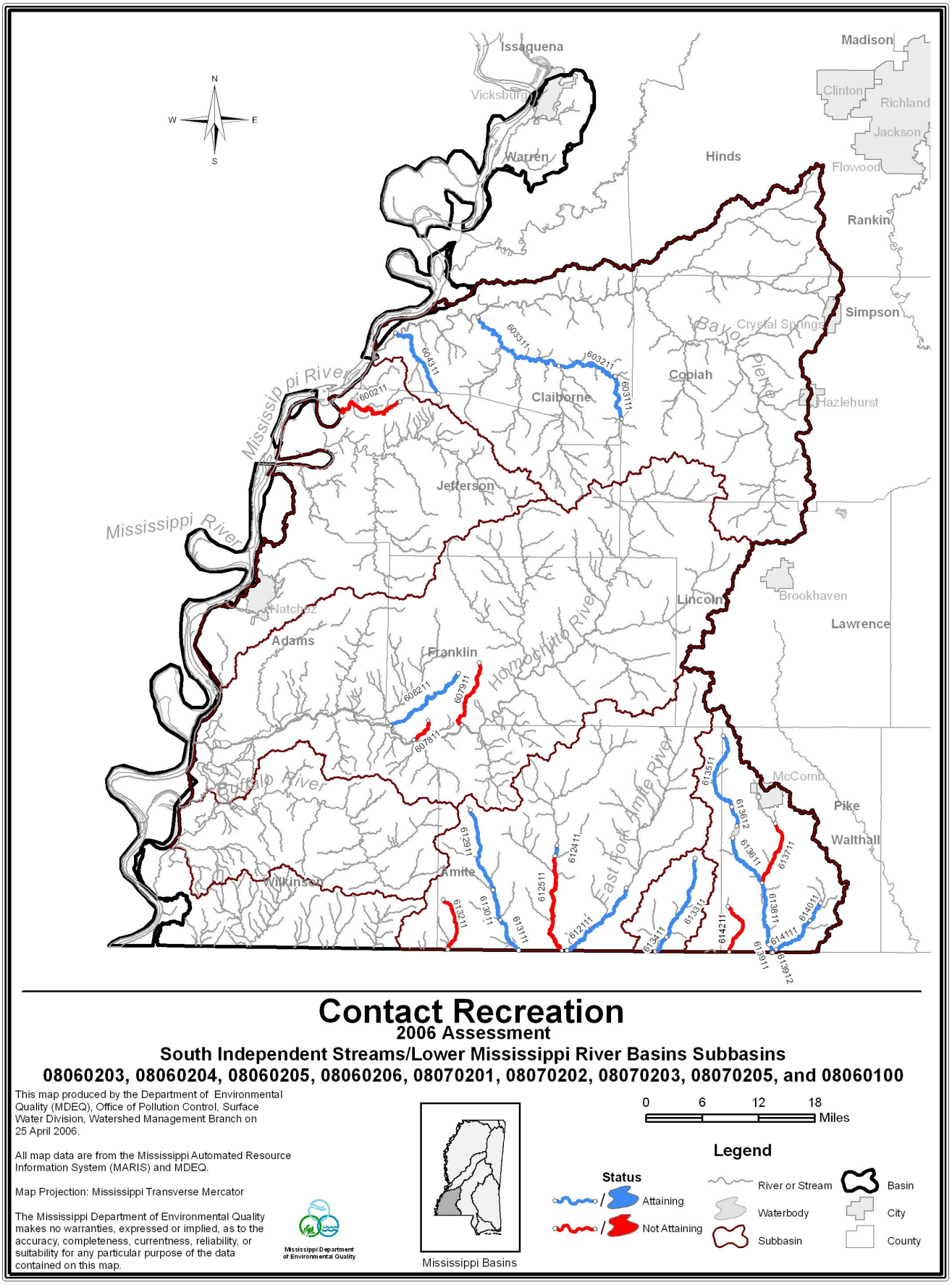


Figure 69: Contact Recreation Use Support Map-South Independent Streams Basin

Table 8: 2006 §305(b) Assessed Water Bodies South Independent Streams Basin

SOUTH INDEPENDENT STREAMS				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
ANNAS BOTTOM	690511	MS457E	Aquatic Life Support	Not Attaining
LOCATION: NEAR PINE RIDGE, INTERMITTENT PART OF MISSISSIPPI RIVER FLOOD PLAIN				
BALA CHITTO CREEK	613912	MS481M7	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM MWS BOUNDARY 6141 TO LA STATE LINE				
BALA CHITTO CREEK	614011	MS481M7	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS NEAR EMERALD TO MWS BOUNDARY 6141				
BALA CHITTO CREEK	614111	MS481M7	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM 6140 MWS BOUNDARY TO MWS BOUNDARY 6139				
BATES CREEK	608712	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT SANDY CREEK				
BAYOU PIERRE	600711	MS446BE	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADATERS TO CONFLUENCE WITH DYE BRANCH				
BAYOU PIERRE	600911	MS446BE	Aquatic Life Support	Not Attaining
LOCATION: FROM CONFLUENCE OF DYE BRANCH TO CONFLUENCE OF BRUSHY CREEK				
BAYOU PIERRE	601511	MS446BE	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE OF TURKEY CREEK TO CONFLUENCE OF FOSTER CREEK				

SOUTH INDEPENDENT STREAMS				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
BAYOU PIERRE	601611	MS446BE	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE OF FOSTER CREEK TO CONFLUENCE OF WHITE OAK CREEK				
BAYOU PIERRE	601111	MS446BE	Aquatic Life Support	Not Attaining
LOCATION: FROM CONFLUENCE OF BRUSHY CREEK TO CONFLUENCE OF TURKEY CREEK				
BAYOU SARA	611111	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE OF DUNBAR CREEK TO LA STATE LINE				
BEAVER CREEK	612911	MS477E	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS NEAR GLOSTER TO 6130 MWS BOUNDARY				
BEAVER CREEK	613011	MS477E	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM 6129 MWS BOUNDARY TO 6131 MWS BOUNDARY				
BEAVER CREEK	613111	MS477E	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM 6130 MWS BOUNDARY TO MS/LA STATE BORDER				
BRUSHY CREEK	607711	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT HOMOCHITTO RIVER				
BUFFALO RIVER	609511	MS471BE	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 6096				

SOUTH INDEPENDENT STREAMS				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
BUFFALO RIVER LOCATION: FROM MWS BOUNDARY 6105 TO MOUTH AT MISSISSIPPI RIVER	610711	MS471BE	Aquatic Life Support	Not Attaining
BUFFALO RIVER LOCATION: FROM MWS BOUNDARY 6095 TO MWS BOUNDARY 6098	609611	MS471BE	Aquatic Life Support	Not Attaining
BUFFALO RIVER LOCATION: FROM MWS BOUNDARY 6098 TO MWS BOUNDARY 6104	610111	MS471BE	Aquatic Life Support	Not Attaining
BUFFALO RIVER LOCATION: FROM MWS BOUNDARY 6101 TO MWS BOUNDARY 6105	610411	MS471BE	Aquatic Life Support	Not Attaining
BUFFALO RIVER LOCATION: FROM MWS BOUNDARY 6104 TO MWS BOUNDARY 6107	610511	MS471BE	Aquatic Life Support	Not Attaining
BUFFALO RIVER LOCATION: FROM MWS BOUNDARY 6096 TO MWS BOUNDARY 6101	609811	MS471BE	Aquatic Life Support	Not Attaining
CARS CREEK LOCATION: FROM HEADWATERS TO MOUTH AT EAST FORK AMITE RIVER	612112	MS475CM	Aquatic Life Support	Not Attaining
CASTON CREEK LOCATION: FROM HEADWATERS TO MOUTH AT HOMOCHITTO RIVER	607611	N/A	Aquatic Life Support	Attaining

SOUTH INDEPENDENT STREAMS				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
COMITE CREEK	613211	613211	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM HEADWATERS NEAR CENTERVILLE TO LA/MS STATE BOUNDARY				
CROOKED CREEK	609011	MS467E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT HOMOCHITTO RIVER				
CYPRESS CREEK	608013	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT REDDING CREEK				
DOWD CREEK	600211	MS452E	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT RODNEY LAKE				
DRY CREEK	608111	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT HOMOCHITTO RIVER				
DRY CREEK	608211	MS466E	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT HOMOCHITTO				
EAST FORK AMITE	611611	MS475E	Aquatic Life Support	Attaining
LOCATION: FROM HEAD WATERS TO CONFLUENCE OF PUMPKIN PATCH CREEK				
EAST FORK AMITE	611811	MS475E	Aquatic Life Support	Attaining
LOCATION: FROM 6117 MWS BOUNDARY TO 6120 MWS BOUNDARY				

SOUTH INDEPENDENT STREAMS				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
EAST FORK AMITE RIVER LOCATION: FROM CONFLUENCE OF PUMPKIN PATCH CREEK TO MWS BOUNDARY 6118	611711	MS475E	Aquatic Life Support	Attaining
EAST FORK AMITE RIVER LOCATION: FROM MWS BOUNDARY 6120 TO LA STATE LINE	612111	MS475E	Aquatic Life Support Primary Contact (Recr)	Attaining Attaining
EAST FORK AMITE RIVER LOCATION: FROM 6118 MWS BOUNDARY TO 6121 MWS BOUNDARY	612011	MS475E	Aquatic Life Support	Attaining
FAIRCHILDS CREEK LOCATION: FROM HEADWATERS TO MOUTH AT COLES CREEK	605411	MS456E	Aquatic Life Support	Not Attaining
FIFTEENMILE CREEK LOCATION: FROM HEADWATERS TO MOUTH AT HOHOMCHITTO RIVER	606011	N/A	Aquatic Life Support	Attaining
FORDS CREEK LOCATION: FROM CONFLUENCE OF UNNAMED TRIB BEHIND WILKINSON COUNTY CORRECTIONAL FACILITY TO MOUTH AT BUFFALO RIVER	610011	MS471FE	Aquatic Life Support	Not Attaining
FORDS CREEK LOCATION: FROM HEADWATERS TO CONFLUENCE OF UNNAMED TRIB BEHIND WILKINSON COUNTY CORRECTIONAL FACILITY	610012	N/A	Aquatic Life Support	Attaining
FOSTER CREEK LOCATION: FROM HEADWATERS TO CONFLUENCE OF JACKSON CREEK	601711	N/A	Aquatic Life Support	Attaining

SOUTH INDEPENDENT STREAMS				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
FOSTER CREEK	601911	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE OF JACKSON CREEK TO MOUTH AT BAYOU PIERRE				
JAMES CREEK	604311	MS451JE	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT BAYOU PIERRE				
LAKE MARY	610412	N/A	Aquatic Life Support	Attaining
LOCATION: ADAMS COUNTY/WILKINSON COUNTY LINE				
LAKE MARY	610712	N/A	Aquatic Life Support	Attaining
LOCATION: AT ADAMS COUNTY WILKINSON COUNTY LINE				
LAKE MARY	690711	N/A	Aquatic Life Support	Attaining
LOCATION: ADAMS/WILKINSON COUNTY LINE				
LAKE MARY	610513	N/A	Aquatic Life Support	Attaining
LOCATION: AT ADAMS/WILKINSON COUNTY LINE				
LITTLE BAYOU PIERRE	603211	MS450E	Aquatic Life Support	Not Attaining
			Primary Contact (Recr)	Attaining
LOCATION: FROM MWS BOUNDARY 6031 TO CONFLUENCE WITH BARLAND CREEK				
LITTLE BAYOU PIERRE	603311	MS450E	Aquatic Life Support	Not Attaining
			Primary Contact (Recr)	Attaining
LOCATION: FROM BARLAND CREEK TO MOUTH AT BAYOU PIERRE NEAR PORT GIBSON				

SOUTH INDEPENDENT STREAMS				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
LITTLE BAYOU PIERRE	603111	MS450E	Aquatic Life Support	Not Attaining
			Primary Contact (Recr)	Attaining
LOCATION: FROM CONFLUENCE WITH BRANDYWINE CREEK TO 6032 MWS BOUNDARY				
LITTLE BEAVER CREEK	612912	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT BEAVER CREEK				
LITTLE TANGIPAHOA RIVER	613711	MS481M5	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE WITH TOWN CREEK TO MOUTH AT TANGIPAHOA RIVER				
LITTLE TANGIPAHOA RIVER	613712	MS481M8	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE OF TOWN CREEK				
MCCALL CREEK	606311	MS461E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 6064				
MCCALL CREEK	606611	MS461E	Aquatic Life Support	Not Attaining
LOCATION: FROM CONFLUENCE OF HURRICANE CREEK TO MOUTH AT HOMOCHITTO RIVER				
MCCALL CREEK	606411	MS461E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 6063 TO CONFLUENCE OF HURRICANE CREEK				
MCGEHEE CREEK	606711	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH CANE MILL BRANCH				

SOUTH INDEPENDENT STREAMS				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
MCGEHEE CREEK	606911	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE OF CANE MILL BRANCH TO MOUTH AT HOMOCHITTO RIVER				
MIDDLE FORK HOMOCHITTO RIVER	607011	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE OF CAMERON CREEK				
MIDDLE FORK HOMOCHITTO RIVER	607211	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE OF CAMERON CREEK TO MOUTH AT HOMOCHITTO RIVER				
MIDDLE FORK THOMPSON CREEK	611511	MS474MFTE	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO LA STATE LINE				
MILLBROOK CREEK	610512	MS471MM	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT BUFFALO RIVER				
MINNEHALA CREEK	613713	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT LITTLE TANGIPAHOA RIVER				
NORTH FORK COLES CREEK	604411	MS453E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 6045				
NORTH FORK COLES CREEK	604511	MS453E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 6044 TO MWS BOUNDARY 6047				

SOUTH INDEPENDENT STREAMS				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
NORTH FORK COLES CREEK	604711	MS453E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 6045 TO MOUTH AT COLES CREEK				
PRETTY CREEK	608311	608311	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT HOMOCHITTO RIVER				
REDDING CREEK	608012	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT FOSTER CREEK				
RICHARDSON CREEK	607911	MS465RE	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: NEAR BUNKLEY FROM HEADWATERS TO MOUTH AT HOMOCHITTO RIVER				
SAINT CATHERINE CREEK	600511	MS458SCCM	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 6004 TO CONFLUENCE OF MELVIN BAYOU				
SAINT CATHERINE CREEK	600611	MS458SCCM	Aquatic Life Support	Not Attaining
LOCATION: FROM CONFLUENCE OF MELVIN BAYOU TO MOUTH AT MISSISSIPPI RIVER				
SANDY CREEK	608711	MS468SE	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE OF SWAFFORD BRANCH				
SANDY CREEK	608811	MS468SE	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE OF SWAFFORD CREEK TO MOUTH AT HOMOCHITTO CREEK				

SOUTH INDEPENDENT STREAMS				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
SARA BAYOU LOCATION: FROM HEADWATERS TO CONFLUENCE OF DUNBAR CREEK	610911	N/A	Aquatic Life Support	Attaining
SECOND CREEK LOCATION: FROM HEADWATERS TO MWS BOUNDARY 6092	609111	MS469SE	Aquatic Life Support	Not Attaining
SECOND CREEK LOCATION: FROM MWS BOUNDARY 6091 TO MOUTH AT HOMOCHITTO RIVER	609211	MS469SE	Aquatic Life Support	Not Attaining
SOUTH FORK COLES CREEK LOCATION: FROM HEADWATERS TO CONFLUENCE OF FOLKES CREEK	604911	MS454E	Aquatic Life Support	Not Attaining
SOUTH FORK COLES CREEK LOCATION: FROM CONFLUENCE OF FOLKES CREEK TO MOUTH AT COLES CREEK	605111	MS454E	Aquatic Life Support	Not Attaining
STORM CREEK LOCATION: FROM HEADWATERS NEAR CARLISLE TO MOUTH AT BAYOU PIERRE	602811	MS449SM	Aquatic Life Support	Not Attaining
TALLAHALLA CREEK LOCATION: FROM HEADWATERS TO CONFLUENCE WITH LITTLE TALLAHALLA CREEK	602411	MS448E	Aquatic Life Support	Not Attaining
TALLAHALLA CREEK LOCATION: FROM CONFLUENCE LITTLE TALLAHALLA CREEK TO MOUTH AT WHITE OAK CREEK	602611	MS448E	Aquatic Life Support	Not Attaining

SOUTH INDEPENDENT STREAMS				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
TANGIPAHOA RIVER	613511	MS481M2	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 6136				
TANGIPAHOA RIVER	613611	MS481E	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM LAKE PERCY OUTFALL TO CONFLUENCE OF LITTLE TANGIPAHOA RIVER				
TANGIPAHOA RIVER	613911	MS481E	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM MWS BOUNDARY 6138 TO LA STATE LINE				
TANGIPAHOA RIVER	613811	MS481E	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM CONFLUENCE OF LITTLE TANGIPAHOA RIVER TO MWS BOUNDARY 6139				
TANGIPAHOA RIVER	613612	MS481M2	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM MWS BOUNDARY 6135 TO MOUTH AT LAKE PERCY				
TAR CREEK	608011	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT FOSTER CREEK				
TERRY CREEK	614211	MS482M	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO MS/LA STATE BOUNDARY				
THOMPSON CREEK	611311	MS474E	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS NEAR CENTERVILLE TO LA STATE LINE				

SOUTH INDEPENDENT STREAMS				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
TICKFAW RIVER LOCATION: FROM HEADWATERS NEAR MIXON TO MWS BOUNDARY 6134	613311	MS480E	Aquatic Life Support Secondary Contact	Attaining Attaining
TICKFAW RIVER LOCATION: FROM 6133 MWS BOUNDARY TO LA/MS STATE BOUNDARY	613411	MS480E	Aquatic Life Support Secondary Contact	Attaining Attaining
TURKEY CREEK LOCATION: FROM HEADWATERS TO MOUTH AT BAYOU PIERRE	601411	N/A	Aquatic Life Support	Attaining
WEST FORK AMITE LOCATION: FROM MWS BOUNDARY 6124 TO LA STATE LINE	612511	MS476E	Aquatic Life Support Primary Contact (Recr)	Attaining Not Attaining, TMDL Completed
WEST FORK AMITE LOCATION: FROM HWY 24 TO MWS BOUNDARY 6125	612411	MS476E	Aquatic Life Support Secondary Contact	Attaining Attaining
WEST FORK AMITE LOCATION: FROM MWS 6123 TO HWY 24	612412	MS476E	Aquatic Life Support	Attaining
WEST FORK AMITE RIVER LOCATION: FROM HEADWATERS NEAR BROOKSIDE TO 6123 MWS BOUNDARY	612211	MS476E	Aquatic Life Support	Attaining
WEST FORK AMITE RIVER LOCATION: FROM MWS BOUNDARY 6122 TO MWS BOUNDARY 6124	612311	MS476E	Aquatic Life Support	Attaining

SOUTH INDEPENDENT STREAMS				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
WEST FORK THOMPSON CREEK LOCATION: FROM HEADWATERS TO LA STATE LINE	611411	MS474WFTE	Aquatic Life Support	Attaining
WHITE OAK CREEK LOCATION: FROM HEADWATERS TO CONFLUENCE OF LITTLE WHITE OAK CREEK	602011	MS447E	Aquatic Life Support	Not Attaining
WHITE OAK CREEK LOCATION: FROM CONFLUENCE OF LITTLE WHITE OAK CREEK TO CONFLUENCE OF TALLAHALLA CREEK	602211	MS447E	Aquatic Life Support	Not Attaining
WHITE OAK CREEK LOCATION: FROM CONFLUENCE OF TALLAHALLA CREEK TO MOUTH AT BAYOU PIERRE	602311	MS447E	Aquatic Life Support	Not Attaining
WHITES CREEK LOCATION: FROM HEADWATERS TO MOUTH AT SECOND CREEK	609311	MS469WE	Aquatic Life Support	Not Attaining
ZEIGLER CREEK LOCATION: FROM HEADWATERS TO MOUTH AT HOMOCHITTO RIVER	607811	MS465ZE	Aquatic Life Support Secondary Contact	Attaining Not Attaining, TMDL Completed

TENNESSEE RIVER BASIN

Basin Description

The Tennessee River Basin covers an area of approximately 417 square miles in the northeast corner of the state of Mississippi. The basin is composed of Pickwick Lake, a small portion of the Tennessee River, a portion of Bear Creek, which flows into and from Alabama, and the Yellow Creek segment of the Tennessee-Tombigbee Waterway (TTW). Other smaller water bodies in this basin include Indian Creek, Cedar Creek, Cripple Deer Creek, and Little Cripple Deer Creek. Pickwick Lake is the most significant hydrologic feature in the basin in Mississippi. Pickwick, one of a chain of lakes formed by dams built along the Tennessee River in the 1930s, has 47,500 square acres, most of it is located in Tennessee and Alabama. Pickwick Lake is one of several reservoirs managed by the Tennessee Valley Authority (TVA).

The Mississippi portion of the Tennessee River Basin lies within the Fall Line Hills of the East Gulf Coastal Plain. The Fall Line Hills lie partially in the foothills of the Appalachian Mountains. The topography of the basin is mostly gently rolling hills, sharp ridges and broad alluvial floodplains over rocks of sedimentary origin. The soil types range from loams to clays. Changes in average elevation range from 100 to 300 feet; however, Woodall Mountain, the highest point in Mississippi at 806 feet, is located in the basin. Portions of the landscape in Tishomingo County, Mississippi, specifically in Tishomingo State Park are characterized by massive rock formations and fern-filled crevices. Massive boulders blanketed in moss are found throughout the hillsides. The only major urban population center and industrial area for this small basin is found around the city of Iuka (Figure 70).

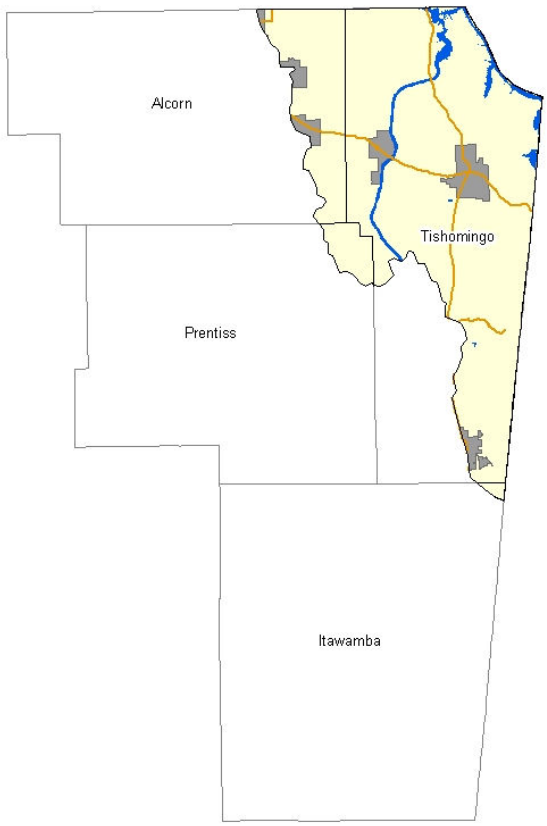


Figure 70: Tennessee River Basin (MDEQ)

The Tennessee River Basin encompasses parts of four counties: Alcorn, Itawamba, Prentiss and Tishomingo in Mississippi. However, one of these counties, Itawamba has only a very small portion of its total area (less than 1%) in the basin. The basin is sparsely populated with less than 30,000 persons inhabiting the area. According to the 2000 census, approximately 27,630 people live in the Tennessee River Basin within Mississippi's boundaries.

Land Use

A depiction of the land uses in the basin is given in Figure 71. *Forests* cover approximately 49% of the total land area of the Tennessee River Basin in Mississippi (Figure 72). The basin is home to Tishomingo State Park and J. P. Coleman State Park as well as the Tenn-Tom Waterway (TTW) Divide Section Wildlife Management Area. *Agricultural* areas including pasture, rangelands and croplands comprise approximately 31% of the basin's total land area. In Mississippi, the Tennessee River Basin has approximately 989 acres of *wetlands* (less than 1% of the basin land area) with about 803 acres being bottomland hardwood forests. *Urban* areas account for 2% of the land use in the Basin. *Water* (fresh and aquaculture) accounts for 3% of the land cover with the remaining land cover classified as disturbed (approximately 15%).

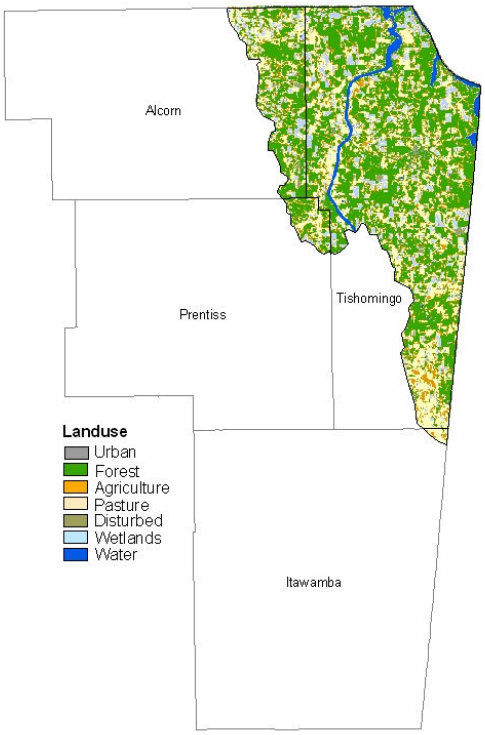


Figure 71: Major Land Use in the Tennessee River Basin (MARIS)

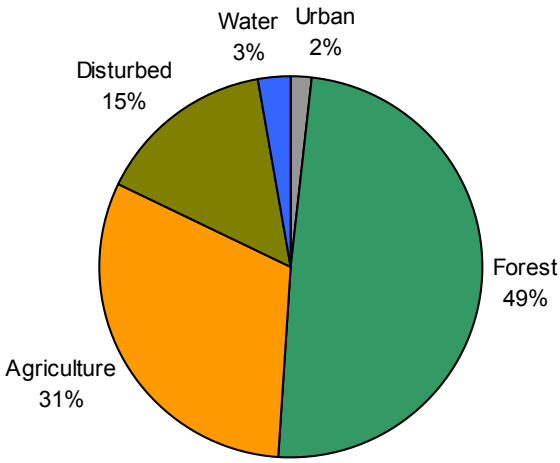


Figure 72: Distribution of Land Cover in the Tennessee River Basin (MARIS)

Water Resources

The Tennessee River Basin in Mississippi has a total of 648 miles of perennial and intermittent rivers and streams. According to the state's water quality standards (WQS), most of the basin's water bodies are classified for Fish and Wildlife. In addition to the Fish and Wildlife Classification, the Tennessee River and the Yellow Creek Embayment of Pickwick Lake, are classified for Public Water Supply (PWS). In addition to the Tennessee River, this basin also includes the northernmost end of the TTW. Known as the Divide Section of the TTW, this reach of the TTW near Burnsville connects Bay Springs Lake and the rest of the TTW in Mississippi and Alabama to Pickwick Lake (a portion of the Tennessee River) through the Yellow Creek Embayment.

Streams in the basin are generally fast flowing and clear with gravel, sand, and rock bottoms. Due to the higher elevations in this part of the state, some of the streams are spring-fed and have cold water year-round.

The predominant surface water feature in the Tennessee River Basin is Pickwick Lake. This lake, also, known as Pickwick Reservoir, is managed by the Tennessee Valley Authority (TVA). Pickwick Lake consists of 47,500 acres of fresh water, a large portion of which runs through the J. P. Coleman State Park in Tishomingo County, Mississippi. Pickwick Lake (Tennessee River) from the MS-TN State Line to the AL-MS State Line is classified as Public Water Supply. In addition to this mainstem run, Pickwick Lake in Mississippi is also characterized by three large embayments. Yellow Creek Embayment lies to the east and through this water body, the Yellow Creek portion of the TTW connects to the Tennessee River. The other two embayments include Indian Creek Embayment found off the central portion of the lake near J.P. Coleman State Park, and Bear Creek Embayment along the MS-AL state line.

In terms of biological features, the Tennessee River and its tributaries are home to the highest number of fish, mussels and crayfish species, and endemic freshwater fauna in North America. The mussel fauna contained in the Tennessee River System has been found to be one of the most diverse in the world. However, the Tennessee River Basin, due to a series of dams and impoundments has experienced a steady decline in the diversity of its fauna. Reduced mussel species and altered species composition as well as a loss of host fish population characterize this decline. Currently, according to the Geological Survey of Alabama, the most diverse mussel community in the system is found downstream of Bear Creek Dam to the portion of Bear Creek impounded as part of Pickwick Reservoir. In this area, 27 mussel species have been identified. Bear Creek and Pickwick Lake have abundant populations of smallmouth, largemouth and spotted bass, white crappie and sauger. The Tennessee River Basin in Mississippi has one federally threatened and two federally endangered species of wildlife. This basin also includes one water body, Bear Creek, proposed for review as a potential Mississippi Natural and Scenic Waterways System water body.

Surface Water Assessment

Designated Use Support

The assessments for the Tennessee River Basin were made based on data from 17 sampling locations in streams and rivers across the basin sampled by MDEQ as part of the §303(d)/IBI wadeable streams project (M-BISQ), the §303(d) fecal coliform monitoring project, and the lake nutrient criteria development project (Figure 73). Use support status for the basin is presented and summarized with causes of impairment. No fish tissue advisories are in effect for this basin.

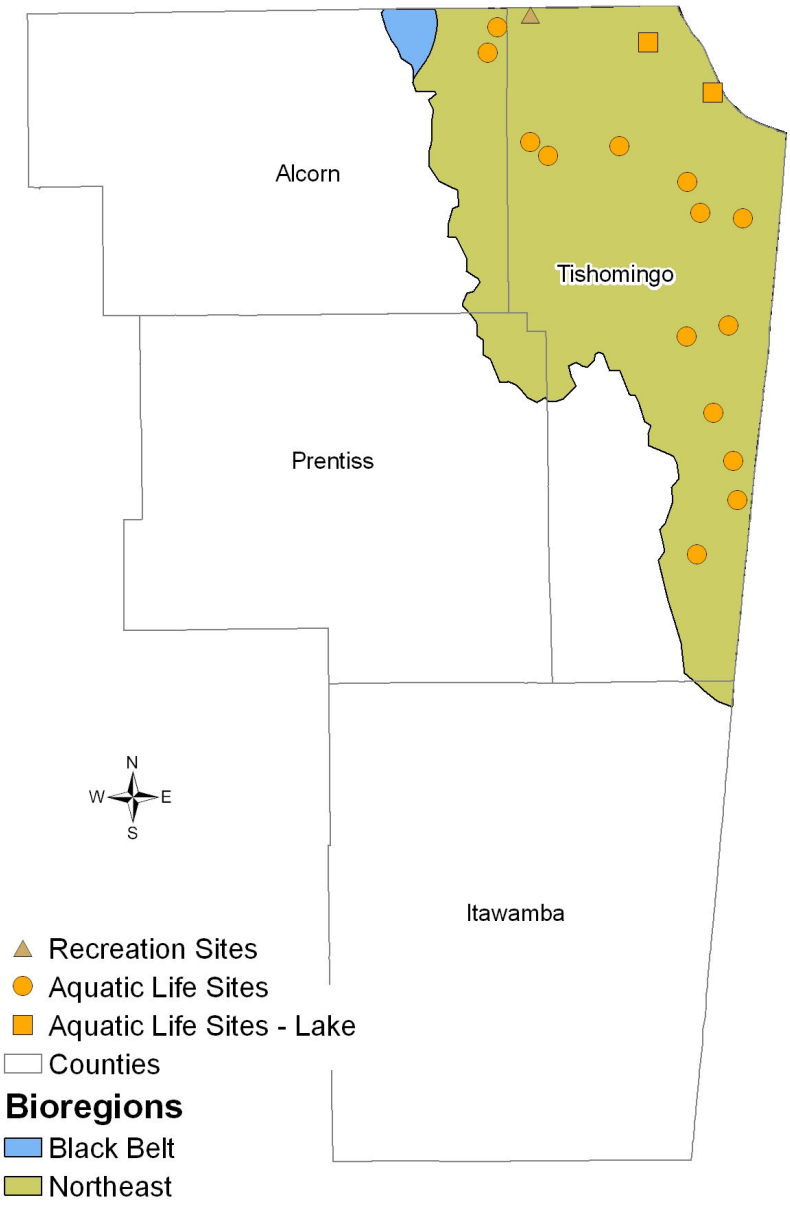


Figure 73: Tennessee River Basin Monitoring Stations and M-BISQ Bioregions

MDEQ assessed approximately 38% (79 miles) of the total 211 perennial miles of streams and rivers in the Tennessee River Basin. The status of water quality on the remaining 62% (132 miles) of the basin's perennial rivers and streams is unknown. A majority (67%) of the streams in the Tennessee River Basin are intermittent and therefore not readily assessable. A summary of use support for the basin's assessed rivers and streams is found in Figure 74. Please refer to Table 9 at the end of this section for a tabular listing of all assessments. This table also provides the necessary information to cross-reference the §305(b) assessments with the §303(d) list.

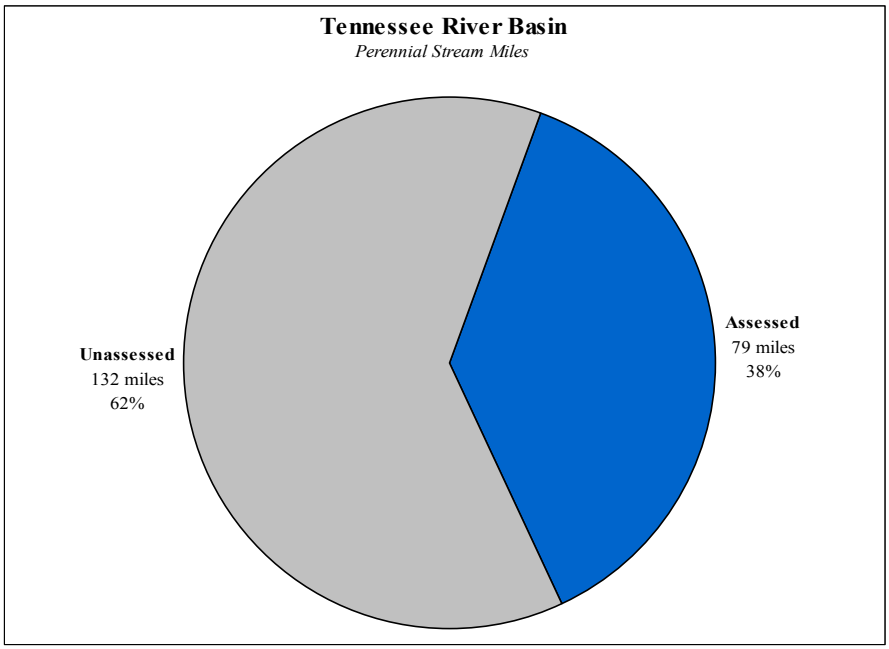


Figure 74: Tennessee River Basin Assessment of Perennial Rivers and Streams

Causes of Impairment of Designated Uses

Causes of impairment were evaluated 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 Figure 75 for Aquatic Life Use. For the majority of miles of assessed rivers not meeting their designated uses, impairment is caused by unknown pollutants or other factors contributing to biological impairment. In these cases, actual monitoring has detected biological impairment but the exact pollutant cause has yet to be determined. Other causes of impairment noted in the basin are from pathogens. For these impaired waters, the next step in the state's water quality management process will be to conduct stressor identification analyses to identify the stressor(s) causing the impairment. Once the stressor(s) are identified, the Total Maximum Daily Load (TMDL) process where applicable can proceed. For stressors identified that are not applicable to the TMDL process, other water quality management actions will be needed. Sediment and siltation has been identified as a cause for 23 miles of stream impaired for ALUS. Pathogens are the cause for water bodies impaired for Recreation Use. The source of impairments for waters assessed in the Tennessee River Basin is unknown.

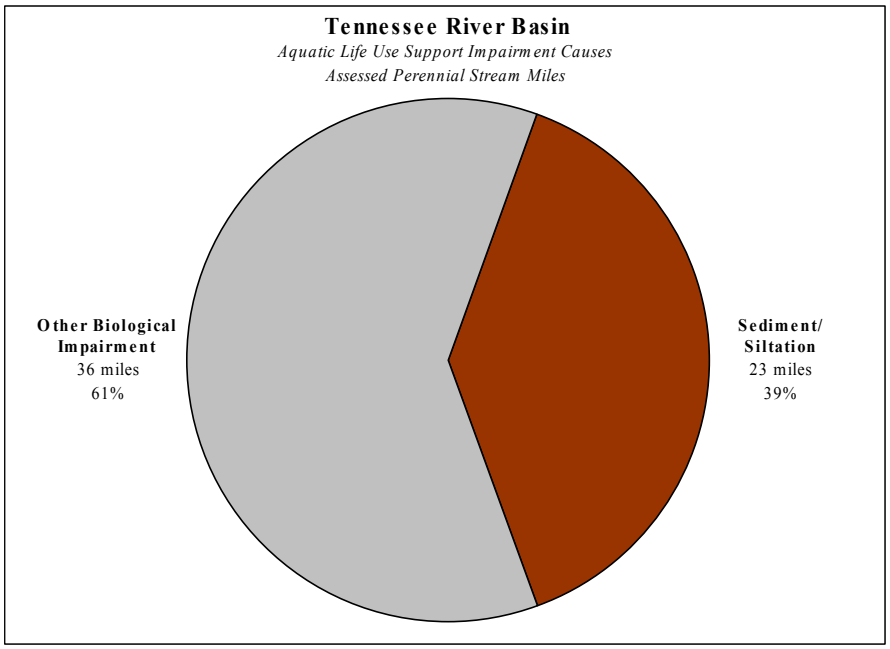


Figure 75: Summary of Aquatic Life Use Support Impairment Causes for Perennial Rivers and Streams-Tennessee River Basin

Aquatic Life Use Support

As stated earlier, all of the Aquatic Life Use Support assessments were based on biological monitoring data collected as part of the development of Mississippi's IBI process, M-BISQ for rivers and streams. Of the Tennessee River Basin's assessed stream and river miles, approximately 21 (26%) miles of perennial rivers and streams are attaining their aquatic life use, while 58 (74%) miles were assessed as not attaining and are considered impaired (Figure 76). All of the non-attainment assessments are contributed to biological impairment and stressor identification studies are pending to determine the actual pollutant(s) contributing to the impairment. Pickwick Lake (2,948 acres) was assessed as attaining ALUS based on data collected as part of the Lake Nutrient Criteria Development Project. Figure 77 depicts a geo-referenced coverage of the Aquatic Life Use Support assessments for the Tennessee River Basin.

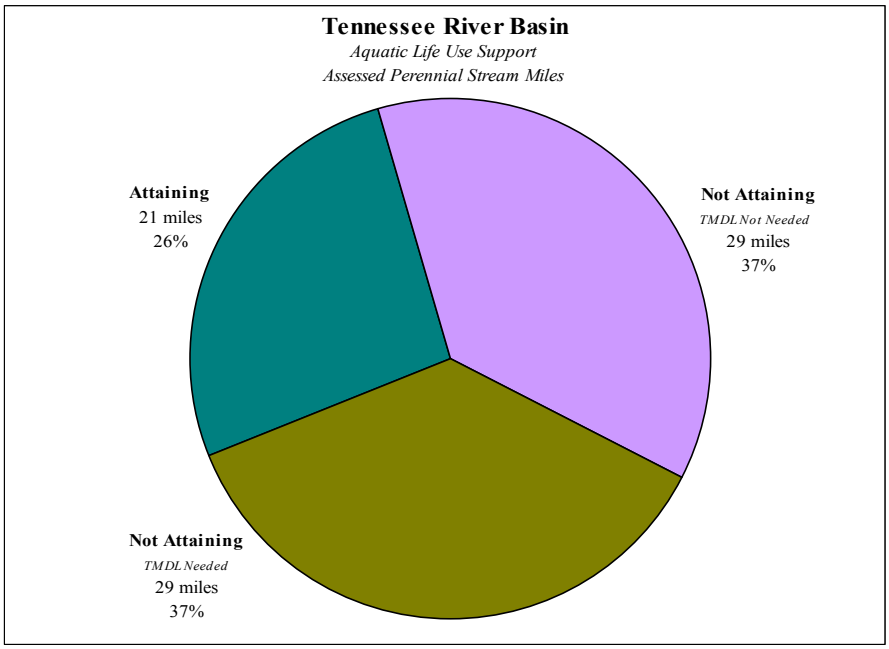


Figure 76: Aquatic Life Use Support-Tennessee River Basin

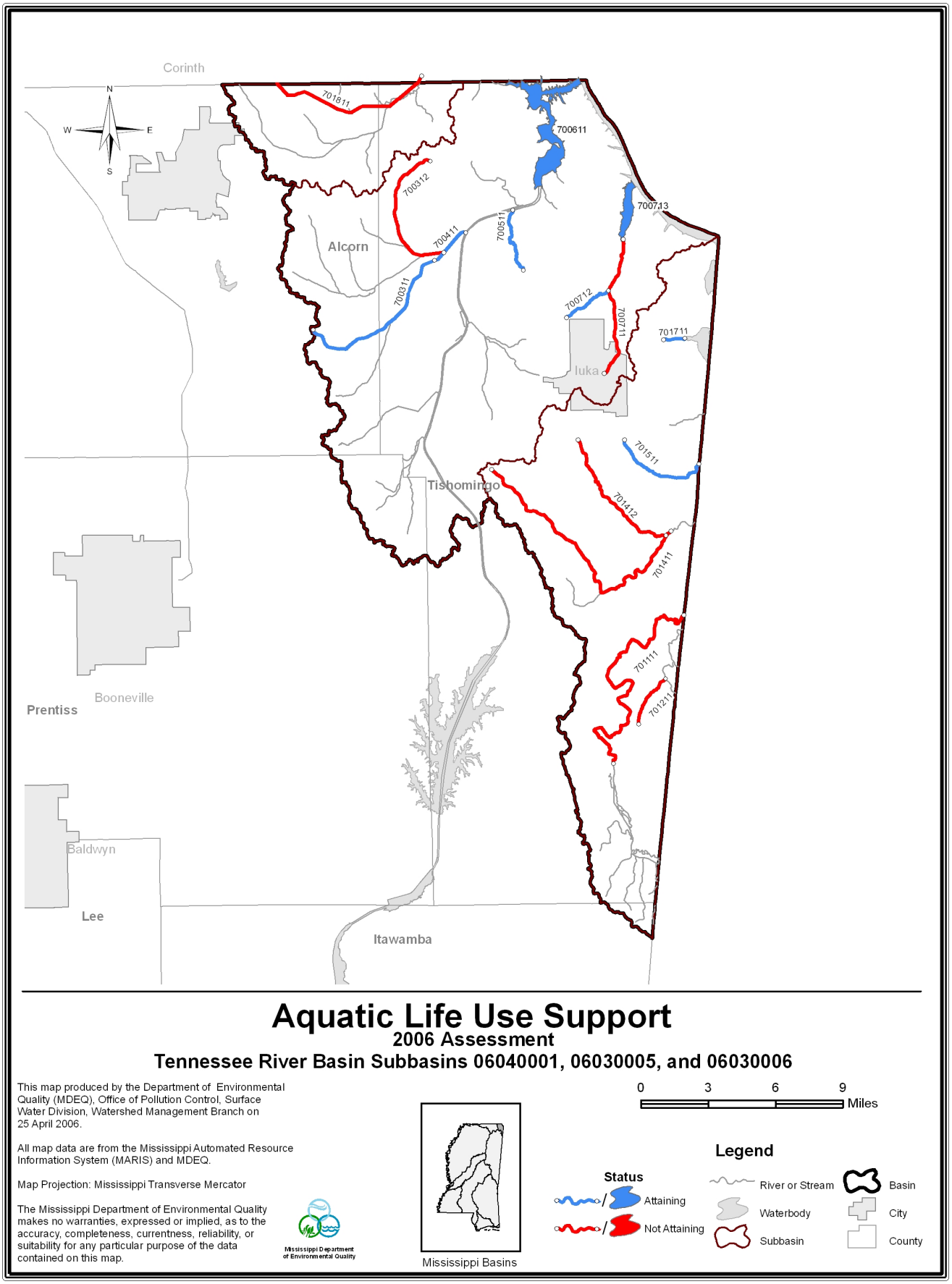


Figure 77: Aquatic Life Use Support Map-Tennessee River Basin

Contact Recreation Use Support

Data collected as part of a statewide §303(d) fecal coliform monitoring project were used to make the Contact Recreation Use Support assessments. This includes streams that are classified as primary contact recreation as well as streams with data for secondary contact recreation. Both classifications are subject to the same standards in the contact recreation season. For more information on the state's water quality standards, please review the document: State of Mississippi Water Quality Criteria for Intrastate, Interstate and Coastal Waters (2002) which can be found at the following website: www.deq.state.ms.us. Of the Tennessee River Basin's assessed stream and river miles, 8 miles were assessed as not attaining and are considered impaired. Figure 78 depicts a geo-referenced coverage of the Contact Recreation Use Support assessments for the Tennessee River Basin.

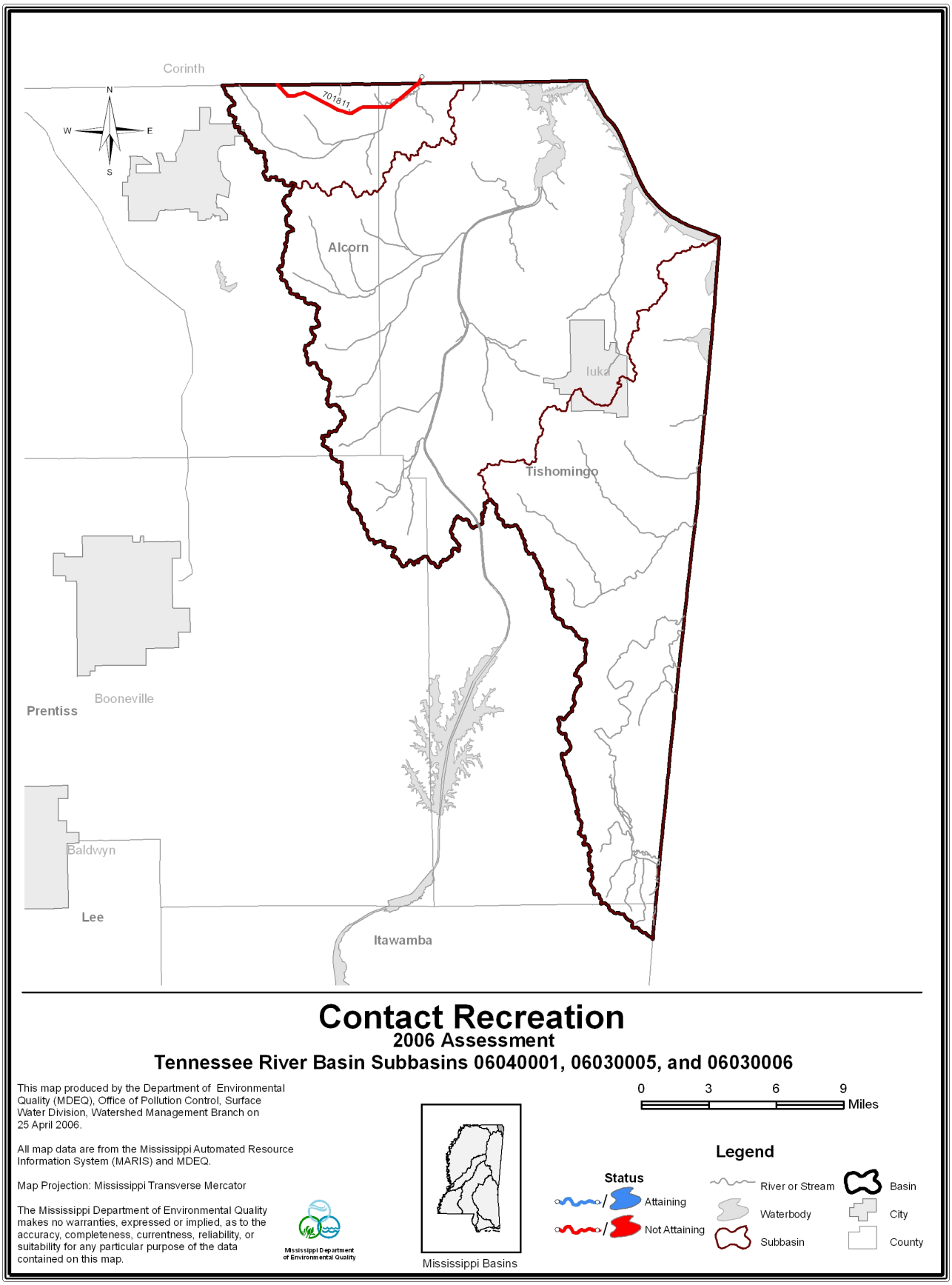


Figure 78: Contact Recreation Use Support Map-Tennessee River Basin

Table 9: 2006 §305(b) Assessed Water Bodies-Tennessee River Basin

TENNESSEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
BEAR CREEK	701111	MS194E	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: NR BURSTOWN FROM CONFLUENCE WITH MCNUTT BRANCH TO AL STATE LINE				
CANEY CREEK	700312	MS193C	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT LITTLE YELLOW CREEK				
CHAMBERS CREEK	701811	MS198E	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM TN STATE LINE TO TN STATE LINE				
CRIPPLE DEER CREEK	701411	701411	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO 7014 MWS BOUNDARY				
HOLLY BRANCH	701211	701211	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT CEDAR CREEK				
INDIAN CREEK	700711	MS192IM2	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: NR IUKA FROM HEADWATERS TO MOUTH AT PICKWICK RESERVOIR				
LITTLE CRIPPLE DEER CREEK	701412	MS196LCD	Aquatic Life Support	Not Attaining
LOCATION: NR TISHOMINGO FROM HEADWATERS TO MOUTH AT CRIPPLE DEER CREEK				
LITTLE YELLOW CREEK	700311	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE OF CANEY CREEK				

TENNESSEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
LITTLE YELLOW CREEK	700411	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH CANEY CREEK TO MOUTH AT TENN TOM				
MILL CREEK	701711	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO PICKWICK RESERVOIR				
MOSER BRANCH	700511	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT TENN TOM				
PENNYWINKLE CREEK	701511	N/A	Aquatic Life Support	Attaining
LOCATION: NR IUKA FROM HEADWATERS TO AL STATE LINE				
PICKENS BRANCH	700712	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT INDIAN CREEK NR IUKA				
PICKWICK LAKE	700611	N/A	Aquatic Life Support	Attaining
LOCATION: TISHIMONGO COUNTY NEAR TN STATE LINE				
PICKWICK LAKE	700713	N/A	Aquatic Life Support	Attaining
LOCATION: IN TISHIMONGO COUNTY NEAR AL STATE LINE				

TOMBIGBEE RIVER BASIN

Basin Description

The Tombigbee River Basin is located in the northeastern part of the State of Mississippi. The basin encompasses an area of approximately 6,100 square miles in northeast Mississippi and an additional 7,600 square miles in Alabama. The Mississippi portion of the Tombigbee basin is approximately 190 miles in length and averages 48 miles in width. The Tombigbee River itself begins in Itawamba County, Mississippi from the convergence of its main headwater streams of Big Brown Creek and Mackeys Creek. The most significant hydrologic feature in the basin is the Tennessee-Tombigbee Waterway (TTW). The waterway uses a series of dams and manmade canals as runs of the original Tombigbee River to connect the Tennessee River in Tennessee to Mobile Bay in Alabama. The TTW is used primarily for commercial and recreational purposes. Major tributaries to the Tombigbee River and TTW include Town Creek, Chuquatonchee Creek, Chiwapa Creek, Luxapallila Creek, and the Buttahatchee, Sucarnoochee, and Noxubee Rivers.

The topography of the Tombigbee River Basin ranges from mostly hilly to gently rolling with elevations in the headwaters from 500 to 600 feet above sea level to flat and gently rolling topography in the central and southern portion with elevations from 100 to 300 feet. The entire basin is forested but the Tombigbee River Basin does have several areas with large scale development around its significant urban population centers of Tupelo and Columbus.

The Tombigbee River Basin encompasses all or part of 19 counties in Mississippi. However, five counties, Tippah, Union, Webster, Choctaw and Clarke have only a very small portion of their total area in the basin. The basin is sparsely populated, but has several urban and industrial areas especially surrounding the Cities of Tupelo, Columbus, and Aberdeen. According to the 2000 census, approximately 382,109 people live in the Tombigbee River Basin, or 63 people per square mile (Figure 79).

Figure 79: Tombigbee River Basin (MDEQ)

Land Use

A depiction of the major land cover in the basin is given in Figure 80. *Forests* that are predominantly located in the northeastern and southwestern areas of the basin cover approximately 38% of the total land area of the Tombigbee River Basin (Figure 81). The basin is home to the Tombigbee National Forest and Noxubee National Wildlife Refuge. *Agricultural* areas including pasture, rangelands and croplands comprise approximately 37% of the basin's total land area. The Tombigbee River Basin has approximately 268,703 acres of *wetlands* (7% of the basin land area) with about 229,714 being bottomland hardwood forests. While the amount of *urban* area (1%) is small compared with other land uses, two counties, Lee and Lowndes sustain populations in excess of 50,000 people. *Water* (fresh and aquaculture) accounts for 1% of the land cover. *Disturbed areas* (strip mines, gravel pits, sandy areas, barren, and transitional areas) make up the remaining 16% of the land use in the basin.

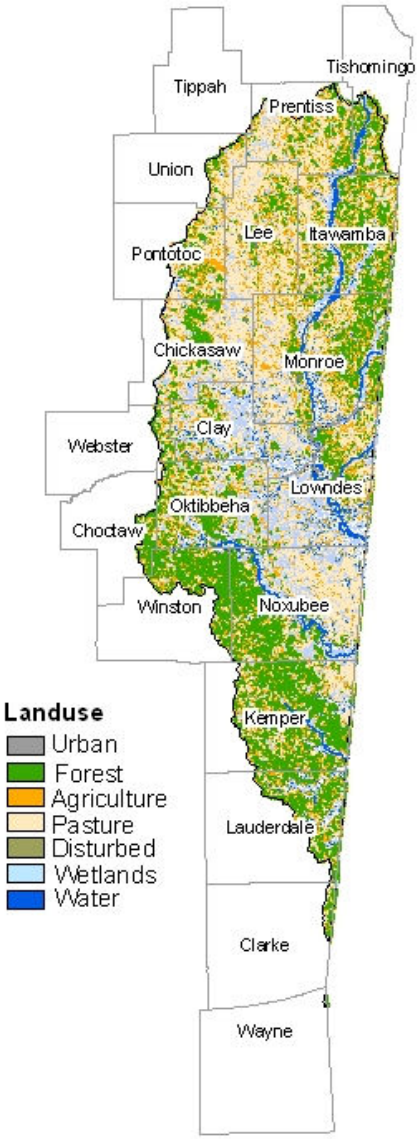


Figure 80: Major Land Cover in the Tombigbee River Basin (MARIS)

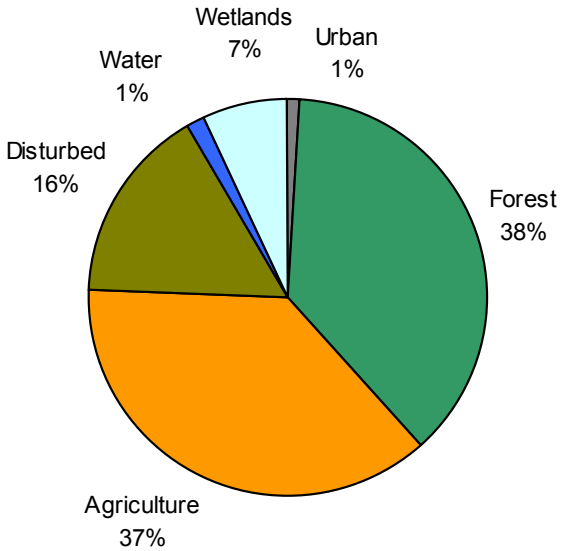


Figure 81: Distribution of Land Cover in the Tombigbee River Basin (MARIS)

Water Resources

The Tombigbee River Basin in Mississippi has approximately 11,341 miles of perennial and intermittent rivers and streams. According to the state's water quality standards (WQS), the Tombigbee River and most of its tributaries are classified as Fish and Wildlife streams. In addition to their Fish and Wildlife Classification, two water bodies are additionally classified as Public Water Supplies in the basin. They are Luxapallila Creek and Yellow Creek at the Mississippi-Alabama state line, both near Columbus.

Streams in the central portion of the Tombigbee River Basin have little base flow because these areas have chalk outcrops and heavy surface clays. Streams in the northeastern portion of the Tombigbee River Basin, with headwaters mainly in Alabama, have more base flow. The TTW intercepts most of these flows. The flow regime in streams in the southernmost portion of the Tombigbee River Basin is variable.

Several public reservoirs and lakes are found in this basin but the predominant surface water feature in the Tombigbee River Basin is the TTW which is generally lentic in nature. The TTW, having a length of 137 miles in Mississippi, stretches from Tishomingo County at the northern end of the basin through Lowndes County into Alabama. In Mississippi, the TTW parallels and combines with the Tombigbee River from its headwaters to the Alabama state line. This waterway consists of a series of interconnected lakes, locks and pools whose primary usage is recreational. Major TTW lakes and pools include Bay Springs Lake, Pool C, Aberdeen Lake, Columbus Lake, and the Aliceville Pool. In addition to the TTW lakes which are classified for Recreation in addition to Fish and Wildlife, nine other lakes in the basin (Chiwapa Reservoir, Choctaw Lake, Davis Lake, Lake Lamar, Lake Lowndes, Lake Monroe, Lake Tom Bailey, Okatibbeha County Lake, and Tombigbee State Park Lake) are also specifically classified for Recreation according to the state's WQS.

In terms of biological resources, the Tombigbee River and its tributaries is one of the most biologically diverse drainage systems in Mississippi despite decades of large-scale manmade alterations. Approximately 115 species of fishes and at least 40 species of freshwater mussels have been found in the Basin. However, the Tombigbee Basin in Mississippi is experiencing a large rate of loss in its mussel populations. The construction of the Tennessee-Tombigbee Waterway reduced the diversity of aquatic habitats and destroyed most of the gravel riffles and runs that were required by mussels found in the Tombigbee River. As a result, many of the mussel species and numerous fish species were eliminated from the dammed and channelized segments of the river as their habitats and populations became fragmented. Nine species of mussels still known to occur in the Tombigbee River Basin are now listed as threatened or endangered by the state. The crystal darter and the frecklebelly madtom, two of the 94 species of fishes found in the Buttahatchee River, a main tributary of the Tombigbee River have also been designated as endangered. The loss of aquatic diversity in the Tombigbee River is mostly due to large in-stream gravel mining operations that have severely altered the channel causing massive erosion, or headcutting upstream of the mining pits. In spite of this, the Tombigbee River continues to support a diversity of aquatic life. Several Tombigbee

River Basin water bodies have been proposed for review as potential Mississippi Natural and Scenic Waterways System water bodies including Buttahatchee River, Noxubee River, Bull Mountain Creek, and East Fork Tombigbee River.

Surface Water Assessment

Designated Use Support

The assessments for the Tombigbee River Basin were made based on data from 154 sampling locations in streams and rivers across the basin sampled by MDEQ as part of the §303(d)/IBI wadeable streams project (M-BISQ) and the §303(d) fecal coliform monitoring project (Figure 82). Large lakes were assessed with data collected as part of the Lake Nutrient Criteria Development Project. Use support status for the basin is presented and summarized with causes of impairment.

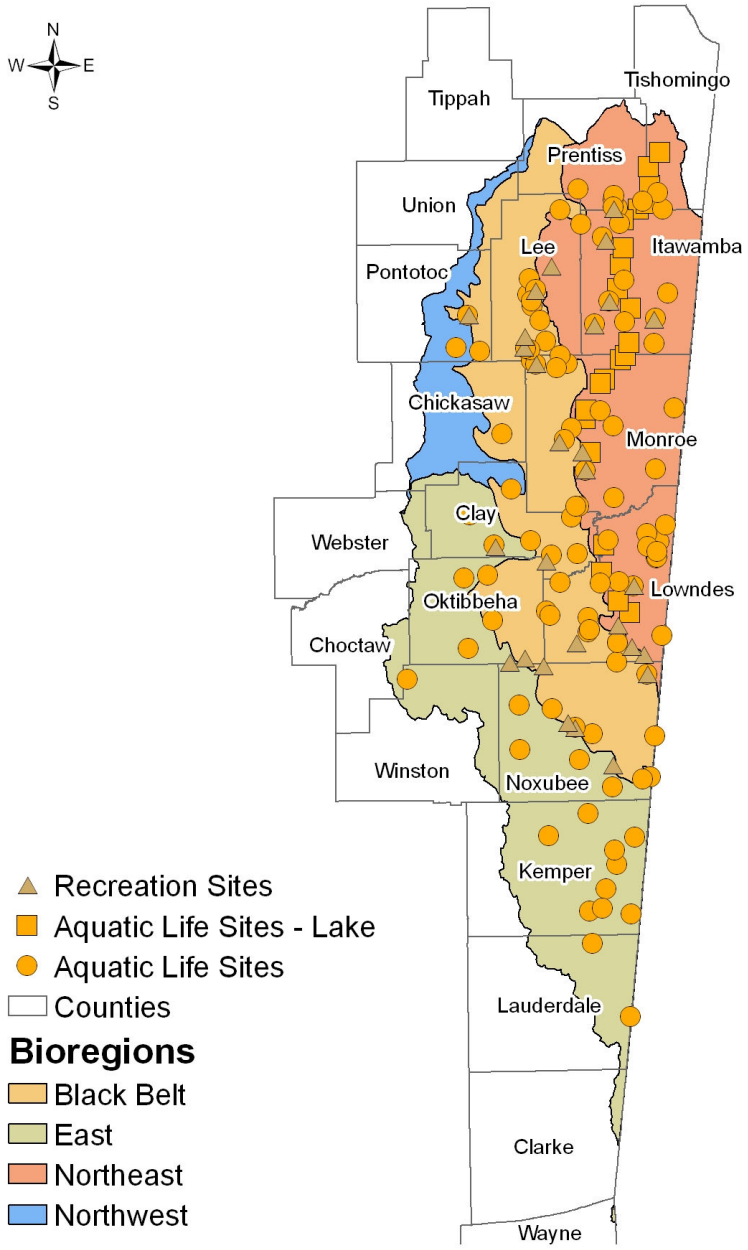


Figure 82: Tombigbee River Basin Monitoring Stations

MDEQ assessed approximately 31% (1,211 miles) of the total 3,845 perennial miles of streams and rivers in the Tombigbee River Basin. The status of water quality on the remaining 69% (2,634 miles) of the basin's perennial rivers and streams is unknown. The majority of stream miles (66%) in the Tombigbee River Basin is composed of intermittent streams and therefore is not readily assessable. A summary the basin's assessed rivers and streams is found Figure 83. Please refer to Table 11 at the end of section for a tabular listing of all assessments. This table also provides the necessary information to cross-reference the §305(b) assessments with the §303(d) list.

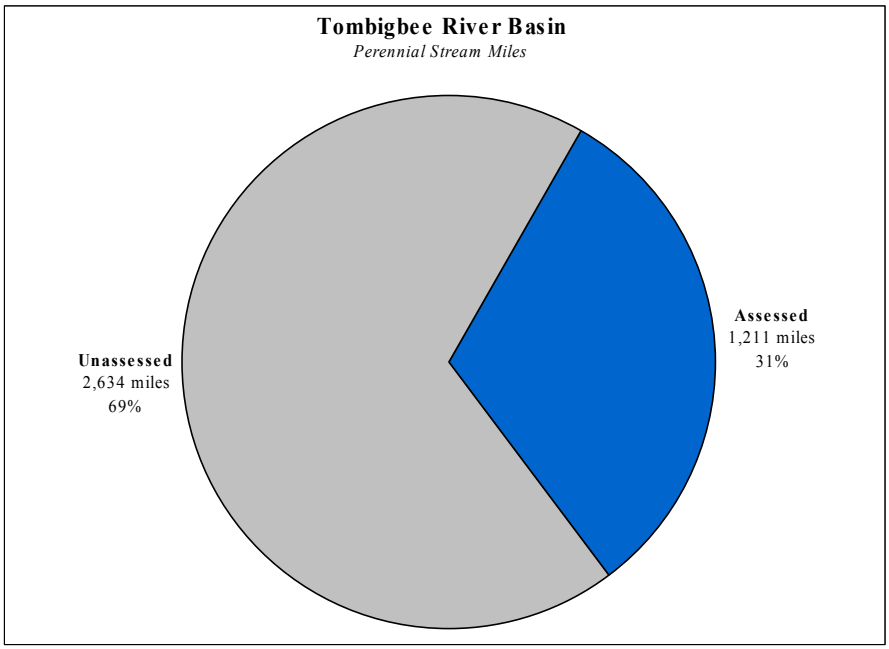


Figure 83: Tombigbee River Basin Assessment of Perennial Rivers and Streams

Causes of Impairment of Designated Uses

Causes of impairment were evaluated 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 Figure 84. For the majority of miles of assessed rivers not meeting Aquatic Life Use Support (ALUS) (86%), impairment is caused by unknown pollutants or other factors contributing to biological impairment. In these cases, actual monitoring has detected biological impairment but the exact pollutant cause has yet to be determined. Other causes of impairment noted in the basin are from pathogens. For these impaired waters, the next step in the state's water quality management process will be to conduct stressor identification analyses to identify the stressor(s) causing the impairment. Once the stressor(s) are identified, the Total Maximum Daily Load (TMDL) process where applicable can proceed. For stressors identified that are not applicable to the TMDL process, other water quality management actions will be needed. The cause for impairment for the remaining 14% of assessed streams is sediment/siltation or a combination of sediment/siltation, nutrients, and organic enrichment/low DO. Pathogens are the only cause for a water body not meeting its Contact Recreation Use Support. The

exact source of impairments for the majority of non-attaining waters assessed in the Tombigbee River Basin is unknown. As above, most of impairments were determined to be biological and therefore sources of the impairment are yet to be determined. Other sources that contributed to biological impairment decisions were channelization, sedimentation, and removal of riparian vegetation. These sources are considered to be "pollution" and therefore a TMDL cannot be developed.

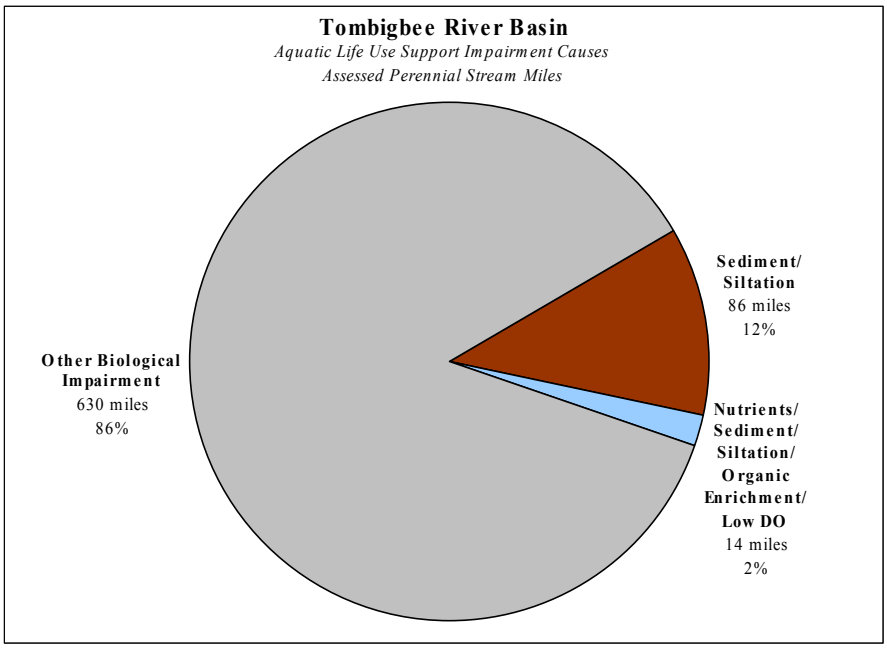


Figure 84: Summary of Aquatic Life Use Support Impairment Causes for Perennial Rivers and Streams-Tombigbee River Basin

Aquatic Life Use Support

As stated earlier, all of the ALUS assessments were based on biological monitoring data collected as part of the development of Mississippi's IBI process, M-BISQ for streams and rivers. Of the Tombigbee River Basin's assessed stream and river miles, approximately 317 miles of perennial rivers and streams are attaining their aquatic life use, while 730 miles were assessed as not attaining and are considered impaired (Figure 85). The majority of the non-attainment assessments are contributed to biological impairment and stressor identification studies are pending to determine the actual pollutant(s) contributing to the impairment. Seven lakes (approximately 17,635 acres) were assessed as attaining for ALUS based on data collected as part of the Lakes Nutrient Criteria Development Project (Table 10). Figures 86-88 depict geo-referenced coverages of the Aquatic Life Use Support assessments for the Tombigbee River Basin.

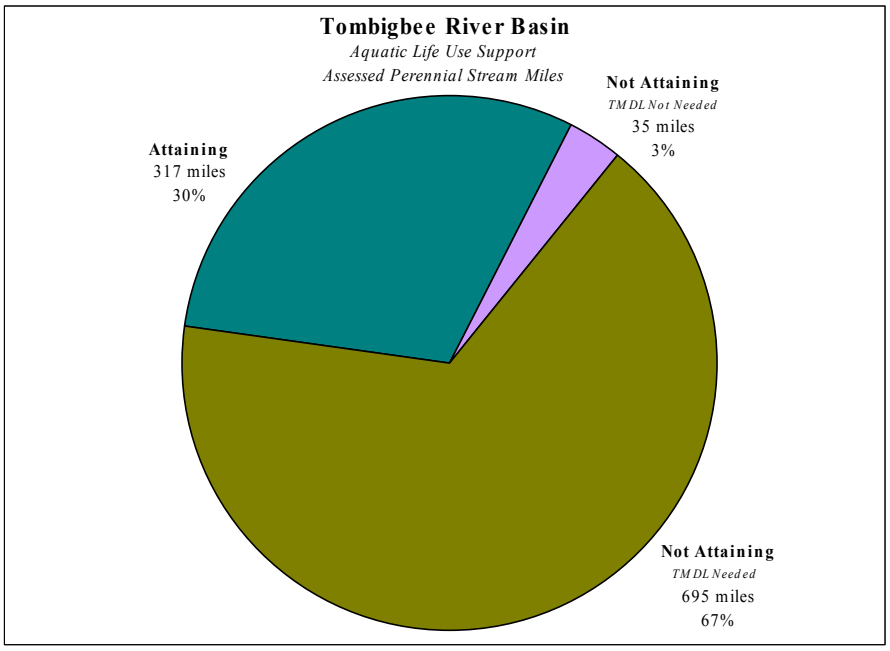


Figure 85: Aquatic Life Use Support-Tombigbee River Basin

Table 10: Lakes Assessed for ALUS in the Tombigbee River Basin

TOMBIGBEE RIVER BASIN	
ABERDEEN LAKE	1,769 acres
ALICEVILLE POOL	1,291 acres
BAY SPRINGS LAKE	6,194 acres
COLUMBUS LAKE	2,693 acres
TENN TOM POOL B	2,437 acres
TENN TOM POOL C	1,367 acres
TENN TOM POOL D	1,884 acres

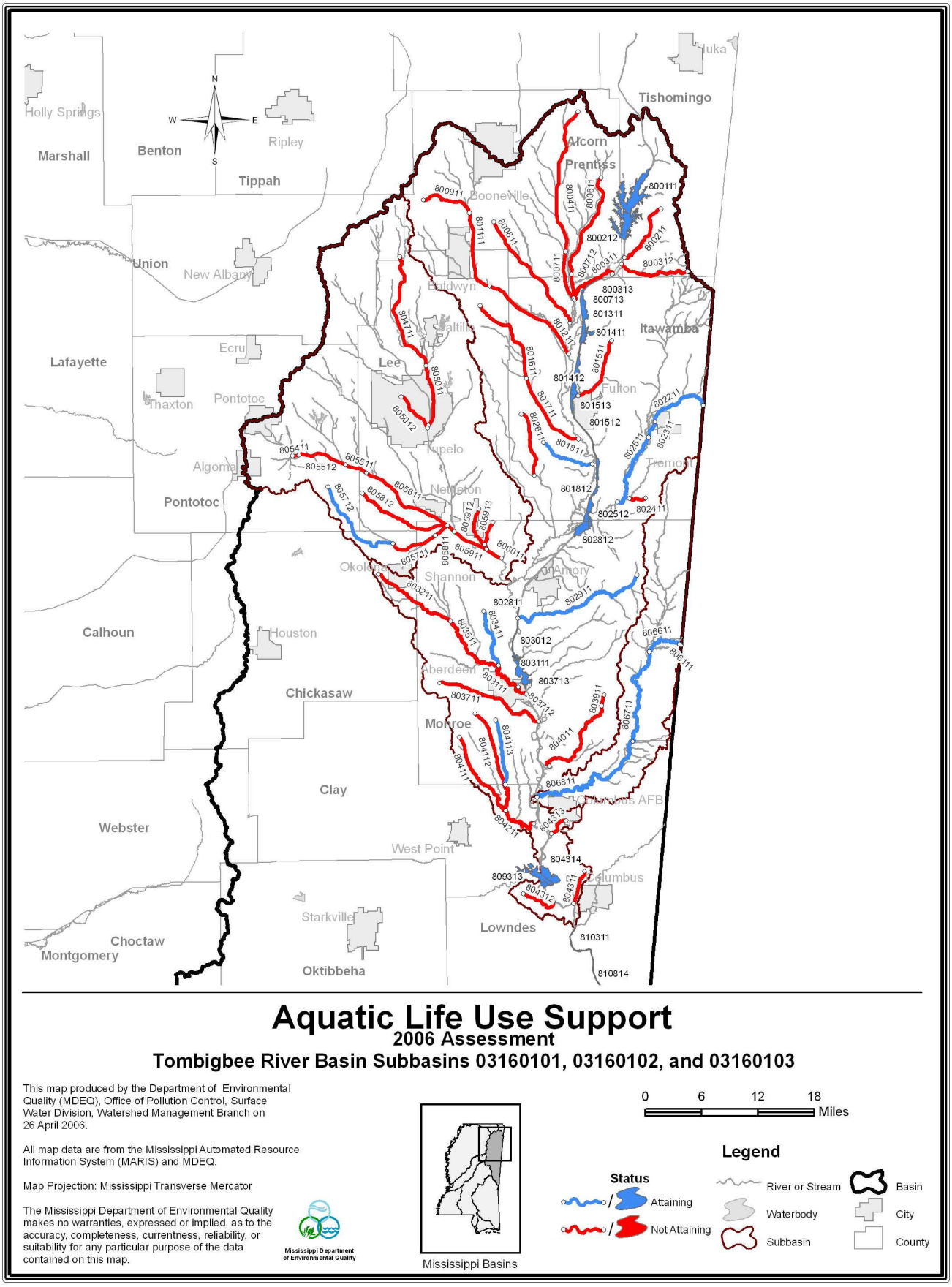


Figure 86: Aquatic Life Use Support Map-Upper Tombigbee River Basin

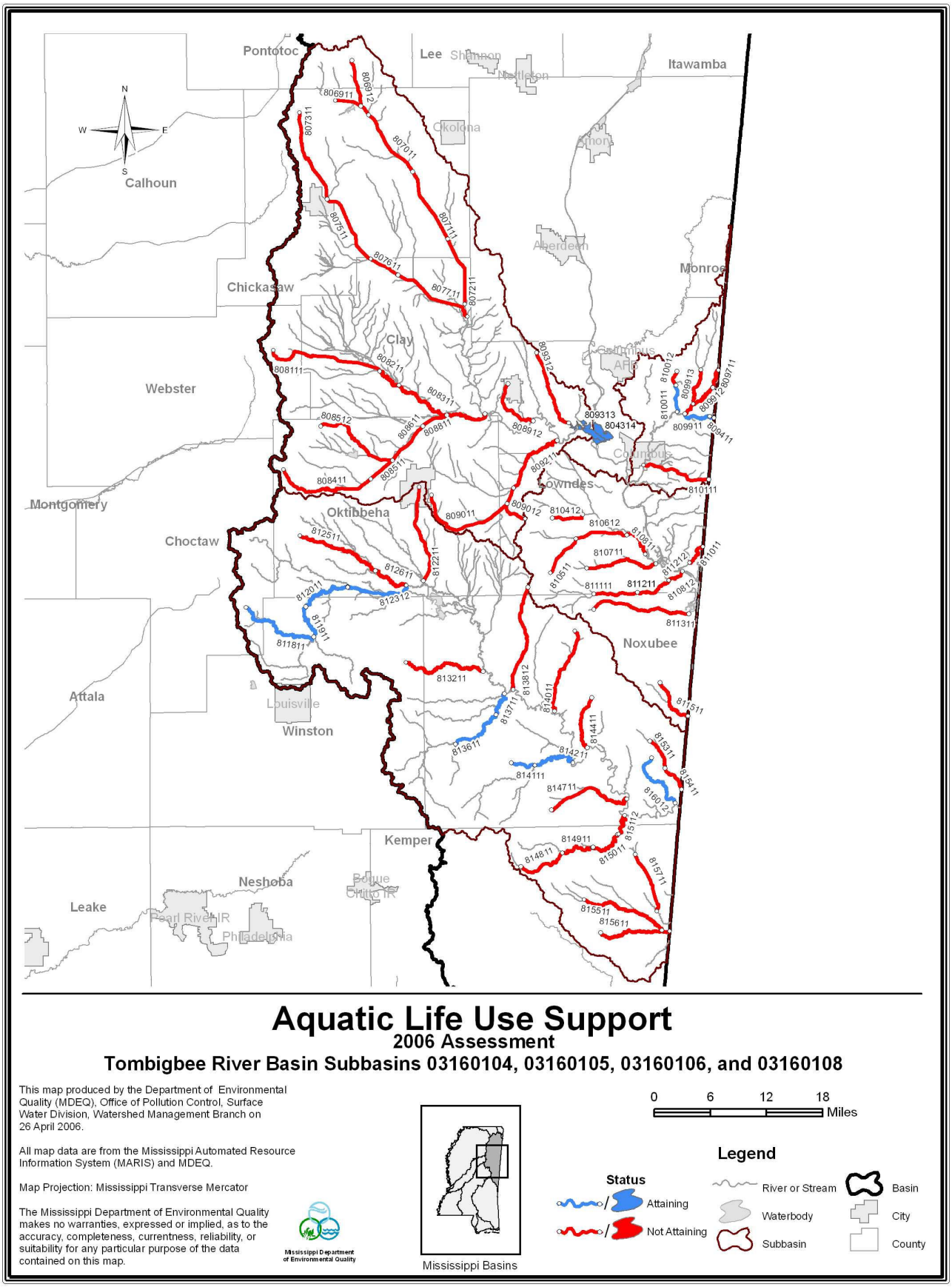


Figure 87: Aquatic Life Use Support Map-Middle Tombigbee River Basin

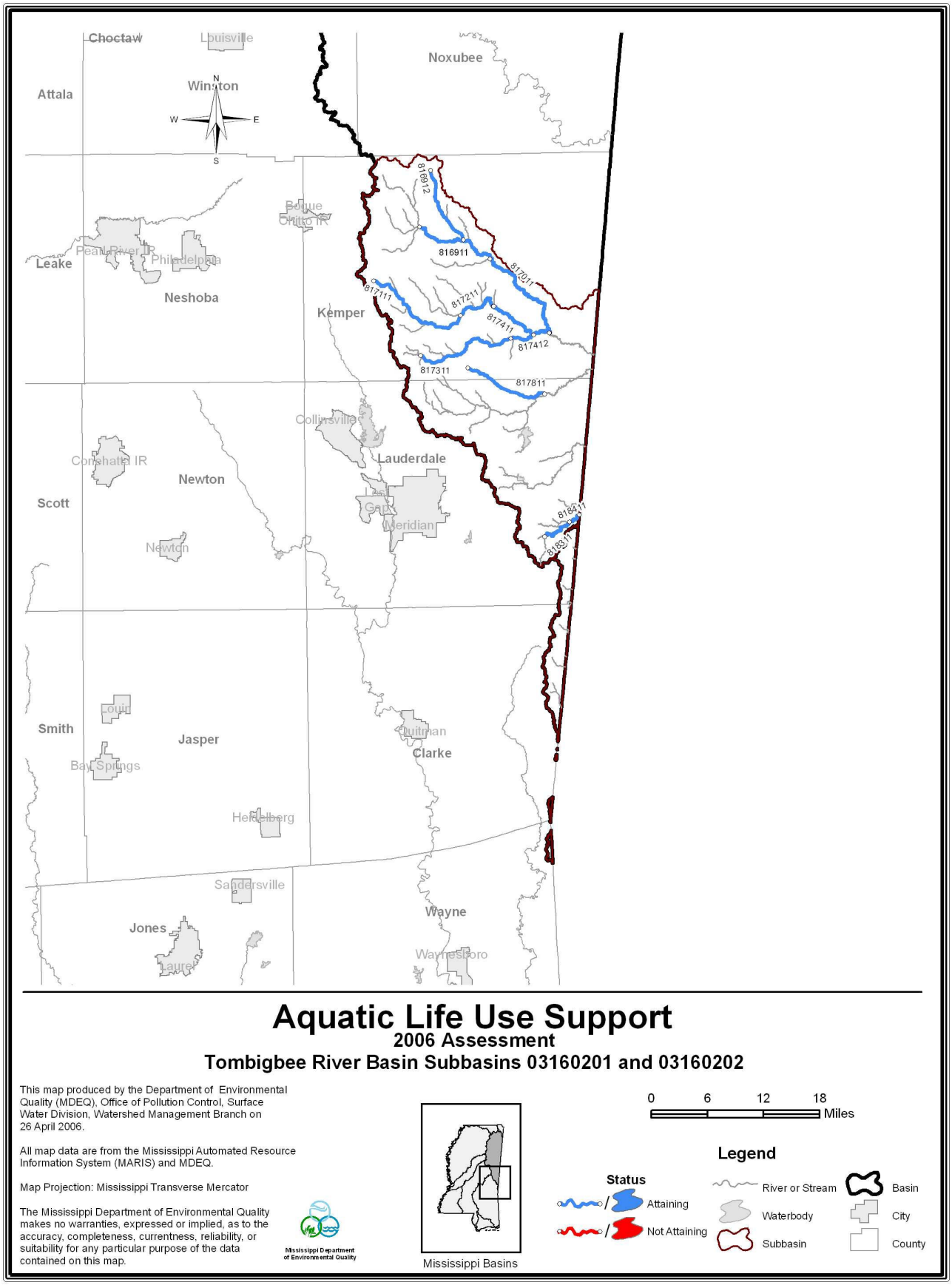


Figure 88: Aquatic Life Use Support Map-Lower Tombigbee River Basin

Contact Recreation Use Support

Data collected as part of a statewide §303(d) fecal coliform monitoring project were used to make the Contact Recreation Use Support assessments. This includes streams that are classified as primary contact recreation as well as streams with data for secondary contact recreation. Both classifications are subject to the same standards in the contact recreation season. For more information on the state's water quality standards, please review the document: State of Mississippi Water Quality Criteria for Intrastate, Interstate and Coastal Waters (2002) which can be found at the following website: www.deq.state.ms.us. Of the Tombigbee River Basin's assessed stream and river miles, approximately 187 miles of perennial rivers and streams are attaining their recreation use, while 260 miles were assessed as not attaining and are considered impaired (Figure 89). Figures 90-91 depict geo-referenced coverages of the Contact Recreation Use Support assessments for the Tombigbee River Basin.

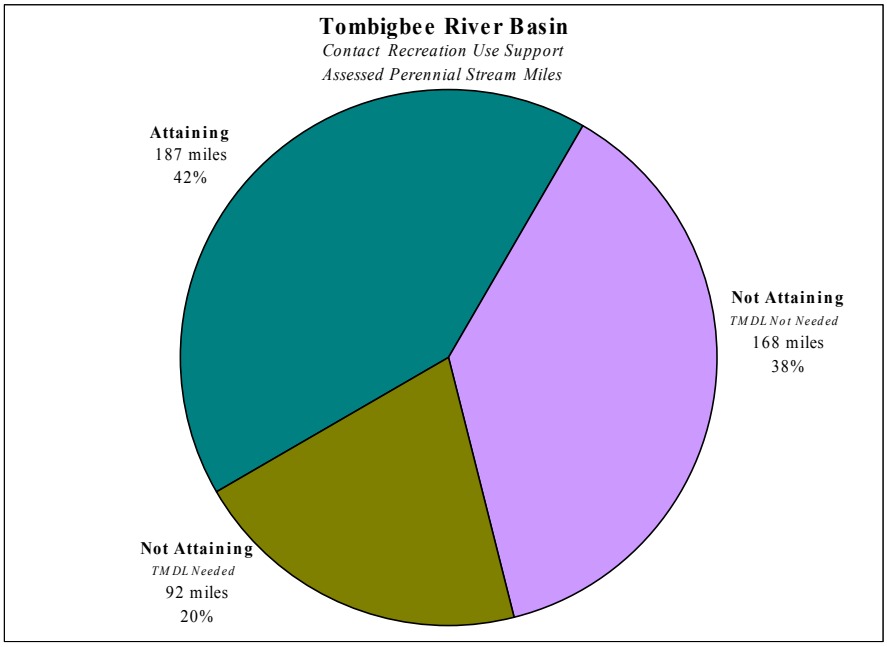


Figure 89: Contact Recreation Use Support-Tombigbee River Basin

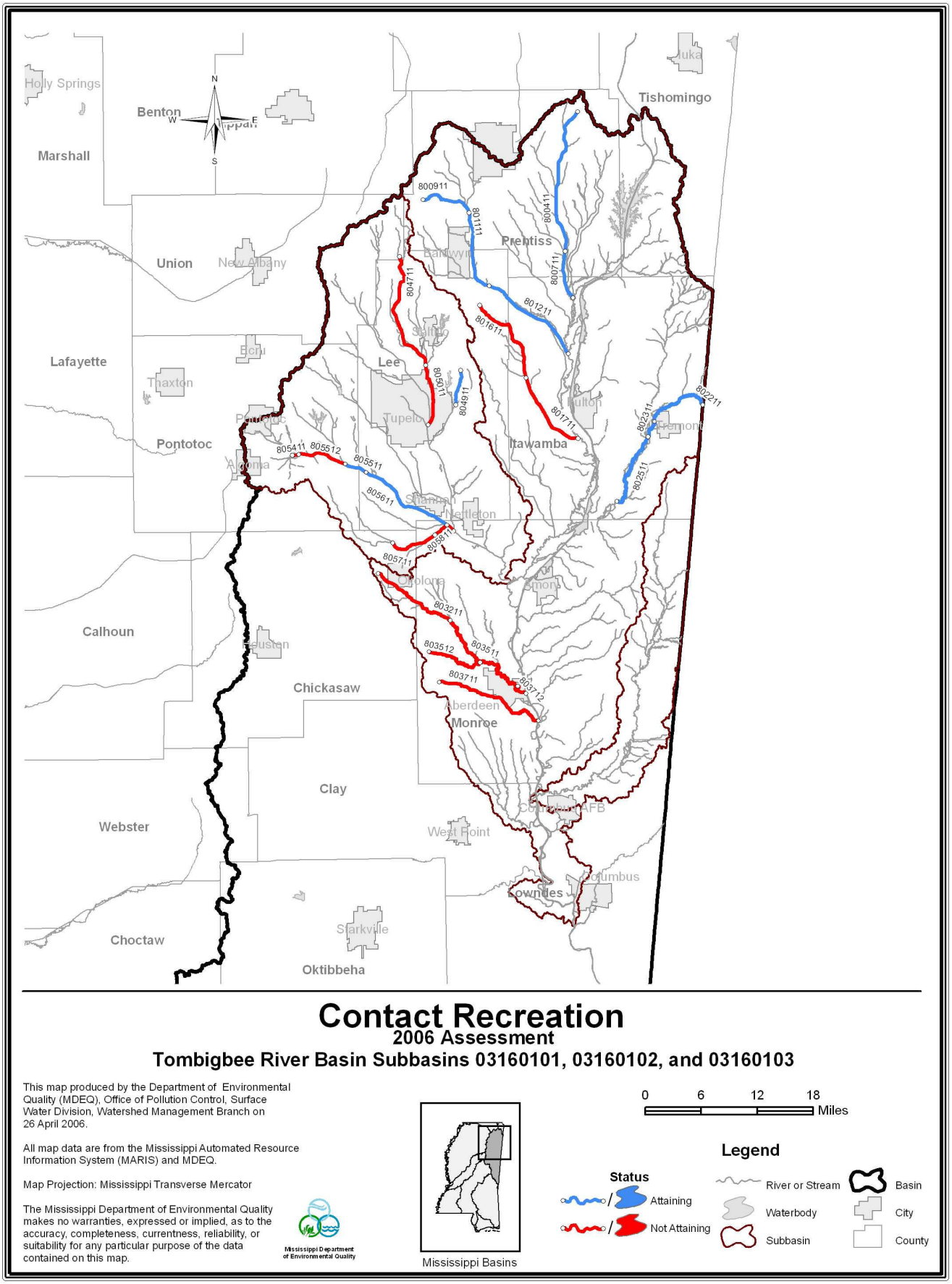


Figure 90: Contact Recreation Use Support Map-Upper Tombigbee River Basin

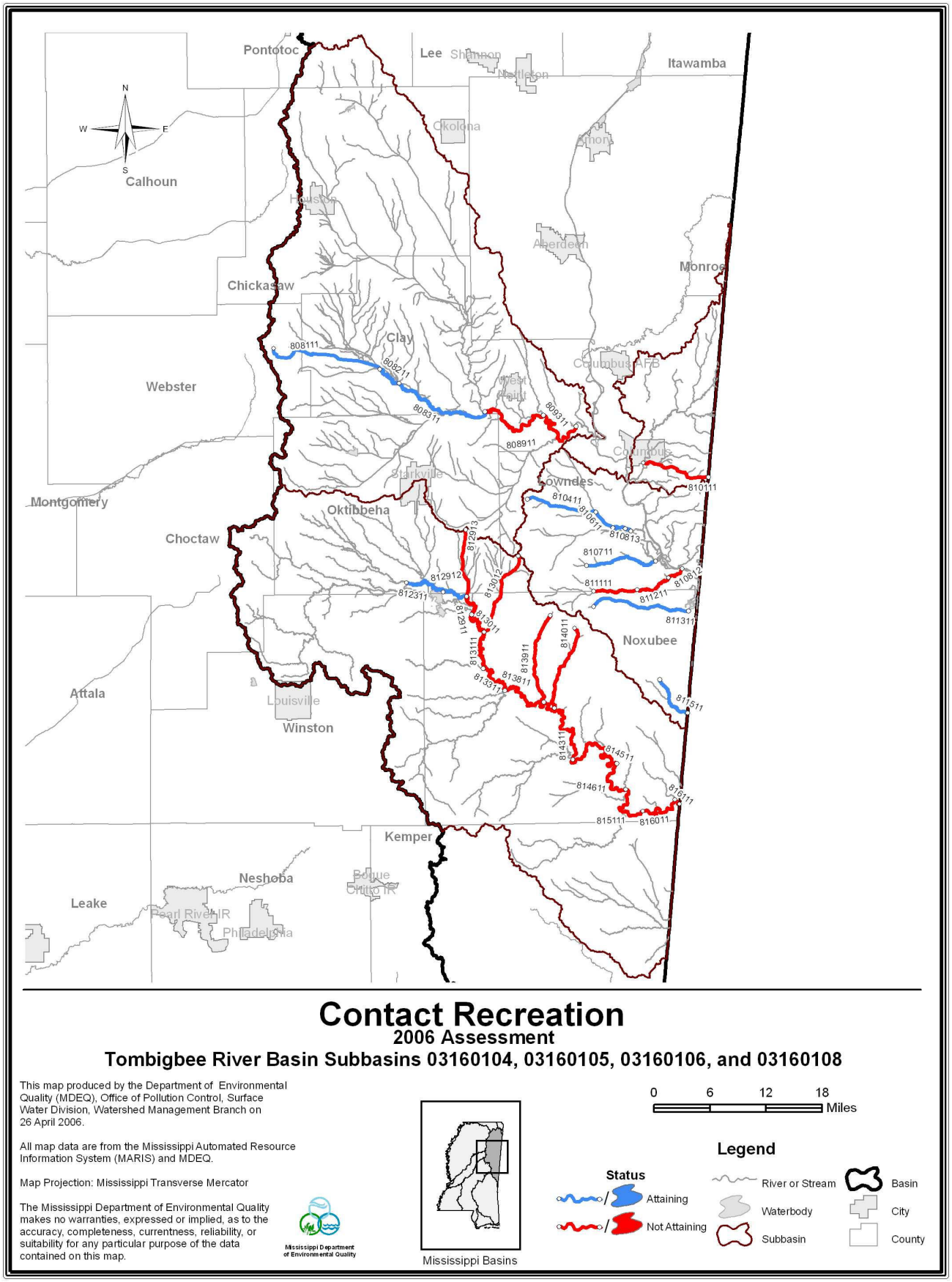


Figure 91: Contact Recreation Use Support Map-Middle Tombigbee River Basin

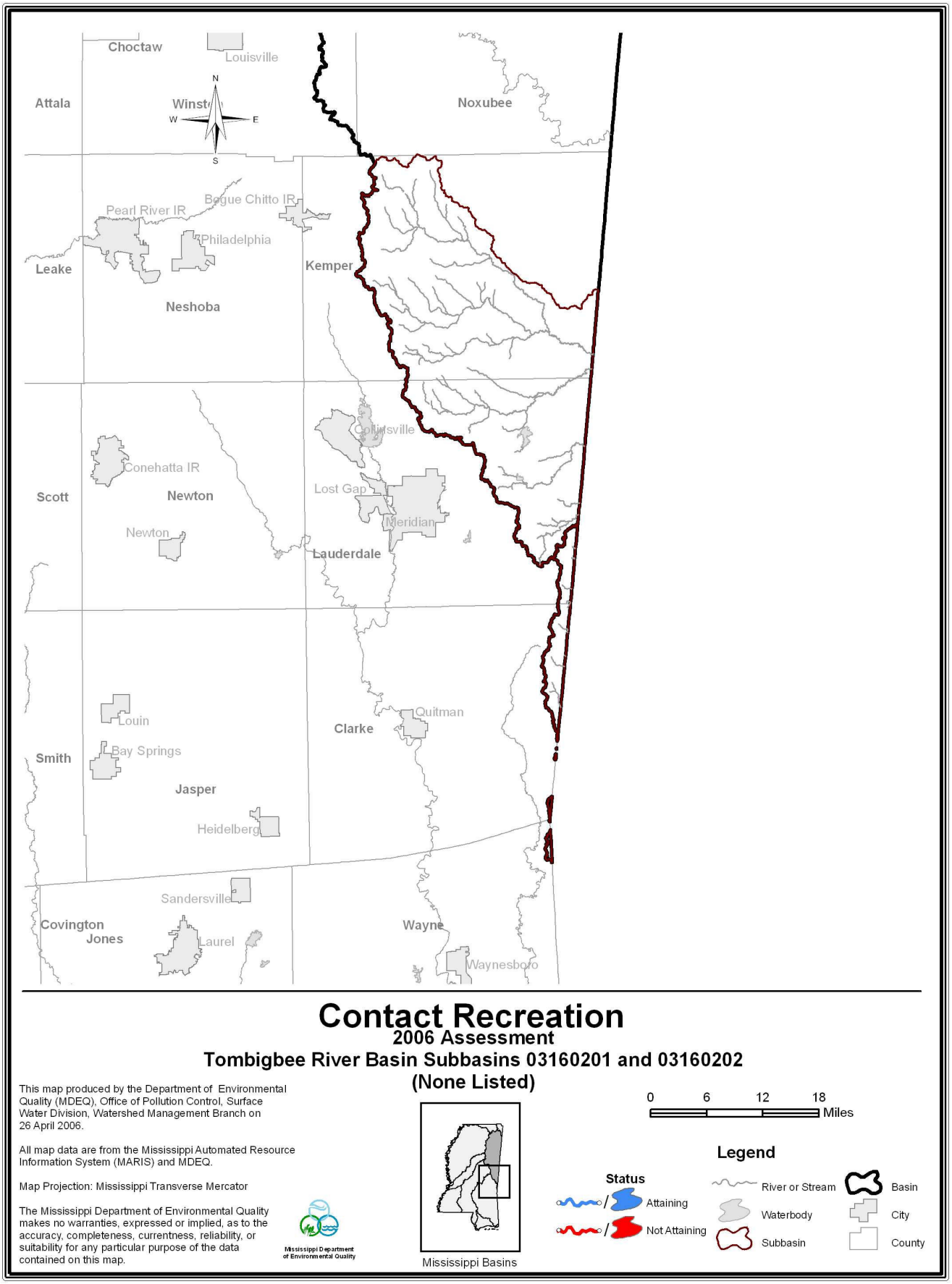


Figure 92: Contact Recreation Use Support Map-Lower Tombigbee River Basin

Table 11: 2006 §305(b) Assessed Water Bodies Tombigbee River Basin

TOMBIGBEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
ABERDEEN LAKE LOCATION: NEAR ABERDEEN	802811	N/A	Aquatic Life Support	Attaining
ABERDEEN LAKE LOCATION: LAKE IN MWS 8030	803012	N/A	Aquatic Life Support	Attaining
ABERDEEN LAKE LOCATION: NEAR ABERDEEN	803713	N/A	Aquatic Life Support	Attaining
ABERDEEN LAKE LOCATION: NEAR ABERDEEN	803111	N/A	Aquatic Life Support	Attaining
ALAMUCHEE CREEK LOCATION: FROM HEADWATERS TO CONFLUENCE WITH LITTLE ALAMUCHEE CREEK	818311	N/A	Aquatic Life Support	Attaining
ALAMUCHEE CREEK LOCATION: FROM LITTLE ALAMUCHEE CREEK TO AL STATELINE	818411	N/A	Aquatic Life Support	Attaining
ALICEVILLE LAKE LOCATION: IN LOWNDES COUNTY	810311	N/A	Aquatic Life Support	Attaining
ALICEVILLE POOL LOCATION: IN LOWNDES COUNTY	810814	N/A	Aquatic Life Support	Attaining

TOMBIGBEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
ALICEVILLE POOL LOCATION: IN LOWNDES COUNTY	811212	N/A	Aquatic Life Support	Attaining
ALICEVILLE POOL LOCATION: AT ALABAMA STATE LINE	811411	N/A	Aquatic Life Support	Attaining
ALICEVILLE POOL LOCATION: IN LOWDES COUNTY NEAR ALABAMA STATE LINE	811012	N/A	Aquatic Life Support	Attaining
ASH CREEK LOCATION: FROM HEADWATERS TO MOUTH AT NOXUBEE RIVER	816012	N/A	Aquatic Life Support	Attaining
BAY SPRINGS LAKE LOCATION: NEAR BELMONT	800111	N/A	Aquatic Life Support	Attaining
BAY SPRINGS LAKE LOCATION: LAKE IN MWS 8002	800212	N/A	Aquatic Life Support	Attaining
BIG BROWN CREEK LOCATION: NEAR MARIETTA FROM HEADWATERS TO CONFLUENCE OF HURRICANE CREEK	800411	MS001E	Aquatic Life Support Secondary Contact	Not Attaining Attaining
BIG BROWN CREEK LOCATION: FROM CONFLUENCE OF HURRICANE CREEK TO CONFLUENCE WITH LITTLE BROWN	800711	MS001E	Aquatic Life Support Secondary Contact	Not Attaining Attaining

TOMBIGBEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
BIG REED CREEK	817811	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT PONTA CREEK				
BIG SCOOBA CREEK	815511	MS044E	Aquatic Life Support	Not Attaining
LOCATION: NEAR SCOOBA FROM NEAR HAPPERS LAKE TO CONFLUENCE WITH BODKA CREEK				
BLACKWATER CREEK	817311	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO 8174 MWS BOUNDARY				
BLACKWATER CREEK	817412	N/A	Aquatic Life Support	Attaining
LOCATION: FROM 8173 MWS TO MOUTH AT PAWTICFAW CREEK				
BODKA CREEK	815611	MS044B	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH BIG SCOOBA CREEK				
BOGUE CHITTO CREEK	811511	MS034E	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: NR DINSMORE FROM HEADWATERS TO AL STATE LINE				
BROKEN PUMPKIN CREEK	811311	MS031BPE	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS NR BIG VALLEY TO ALICEVILLE POOL				
BROWNING CREEK	812913	MSTB038R00_010	Secondary Contact	Not Attaining
LOCATION: FROM HEADWATERS TO NOXUBEE RIVER				

TOMBIGBEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
BULL MOUNTAIN CREEK LOCATION: FROM AL STATE LINE TO 8023 MWS BOUNDARY	802211	MS007BE	Aquatic Life Support Secondary Contact	Attaining Attaining
BULL MOUNTAIN CREEK LOCATION: FROM 8022 MWS BOUNDARY TO 8025 MWS BOUNDARY	802311	MS007BE	Aquatic Life Support Secondary Contact	Attaining Attaining
BULL MOUNTAIN CREEK LOCATION: FROM 8023 MWS BOUNDARY TO CONFLUENCE WITH JIMS CREEK	802511	MS007BE	Aquatic Life Support Secondary Contact	Attaining Attaining
BUTTAHATCHEE RIVER LOCATION: FROM AL STATE LINE TO 8066	806111	MS019M	Aquatic Life Support	Attaining
BUTTAHATCHEE RIVER LOCATION: FROM MWS BOUNDARY 8061 TO MWS BOUNDARY 8067	806611	MS019M	Aquatic Life Support	Attaining
BUTTAHATCHEE RIVER LOCATION: FROM MWS BOUNDARY 8066 TO MWS BOUNDARY 8068	806711	MS019M	Aquatic Life Support	Attaining
BUTTAHATCHEE RIVER LOCATION: FROM MWS BOUNDARY 8067 TO TENN-TOM WATERWAY	806811	MS019M	Aquatic Life Support	Attaining
CATALPA CREEK LOCATION: FROM HEADWATERS TO 8092 MWS BOUNDARY	809011	MS025E	Aquatic Life Support	Not Attaining

TOMBIGBEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
CATALPA CREEK	809211	MS025E	Aquatic Life Support	Not Attaining
LOCATION: FROM 8090 MWS TO CONFLUENCE WITH TIBBEE CREEK				
CEDAR CREEK	803512	MS009MM	Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS NR ABERDEEN TO MOUTH AT MATTUBBY CREEK				
CEDAR CREEK	810711	MS031CE	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: HEADWATERS NR TRINITY TO MOUTH AT ALICEVILLE POOL ON TENN-TOM WATERWAY				
CHIWAPA CREEK	805611	MS014C2E	Aquatic Life Support	Not Attaining, TMDL Not Applicable
			Secondary Contact	Attaining
LOCATION: FROM BOUNDARY WITH 8055 MWS TO CONFLUENCE WITH TUBBALUBBA CREEK AND TALLABINNELA CREEK				
CHIWAPA CREEK	805511	MS014C2E	Aquatic Life Support	Not Attaining, TMDL Not Applicable
			Secondary Contact	Attaining
LOCATION: FROM CONFLUENCE WITH MUBBY CREEK TO 8055 MWS BOUNDARY				
CHIWAPA CREEK	805512	MS014C1E	Aquatic Life Support	Not Attaining, TMDL Not Applicable
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM 8054 MWS BOUNDARY TO CONFLUENCE FROM MUBBY CREEK				
CHIWAPA CREEK	805411	MS014C1E	Aquatic Life Support	Not Attaining, TMDL Not Applicable
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: NR PONTOTOC FROM HEADWATERS TO 8054 BOUNDARY				
CHUQUATONCHEE CREEK	807011	MS020CE	Aquatic Life Support	Not Attaining
LOCATION: FROM MWSW BOUNDARY 8069 TO MWS BOUNDARY 8071				

TOMBIGBEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
CHUQUATONCHEE CREEK	807111	MS020CE	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 8070 TO MWS BOUNDARY 8072				
CHUQUATONCHEE	807211	MS020CE	Aquatic Life Support	Not Attaining
LOCATION: FROM 8071 MWS BOUNDARY TO HOULKA CREEK				
CHUQUATONCHEE CREEK	806911	MS020CE	Aquatic Life Support	Not Attaining
LOCATION: NEAR ABBOTT FROM HEADWATERS TO MWS BOUNDARY 8070				
COLUMBUS LAKE	804314	N/A	Aquatic Life Support	Attaining
LOCATION: NEAR COLUMBUS				
COLUMBUS LAKE	809313	N/A	Aquatic Life Support	Attaining
LOCATION: NEAR COLUMBUS				
COOPER CREEK	809913	MS027C	Aquatic Life Support	Not Attaining
LOCATION: NEAR STEENS FROM CONFLUENCED WITH MAYHEM CREEK TO MOUTH AT YELLOW CREEK				
COWPENNA CREEK	805913	MS016CE	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT ROBERTS BRANCH				
CUMMINGS CREEK	801511	MS004CE	Aquatic Life Support	Not Attaining
LOCATION: NEAR FULTON FROM HEADWATERS TO CONFLUENCE WITH TENN-TOM				

TOMBIGBEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
CYPRESS CREEK	812511	MS036E	Aquatic Life Support	Not Attaining
LOCATION: NEAR CRAIG SPRINGS FROM HEADWATERS TO 8126 MWS BOUNDARY				
CYPRESS CREEK	812611	MS036E	Aquatic Life Support	Not Attaining
LOCATION: FROM 8125 MWS BOUNDARY TO MOUTH AT NOXUBEE RIVER				
DONIVAN CREEK	800811	MS003DE	Aquatic Life Support	Not Attaining
LOCATION: NEAR KIRKVILLE FROM HEADWATERS TO TOMBIGBEE RIVER				
GILMER CREEK	810411	MS031GE	Secondary Contact	Attaining
LOCATION: FROM HEADWATERS NR ARTESIA TO MWS 8106 BOUNDARY				
GILMER CREEK	810611	MS031GE	Secondary Contact	Attaining
LOCATION: FROM MWS 8104 BOUNDARY TO MWS 8108 BOUNDARY				
GILMER CREEK	810813	N/A	Secondary Contact	Attaining
LOCATION: FROM WATERSHED 8106 TO MOUTH AT MAGOWAH CREEK				
GOODFOOD CREEK	806912	MS020GE	Aquatic Life Support	Not Attaining
LOCATION: NEAR GOODFOOD FROM HEADWATERS TO MOUTH AT CHUQUATONCHEE CREEK				
GREEN CREEK	801811	N/A	Aquatic Life Support	Attaining
LOCATION: NEAR VAN BUREN FROM HEADWATERS TO MOUTH AT TOMBIGBEE RIVER				

TOMBIGBEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
GREENWOOD CREEK	802611	MS005G	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT BOGUEFALA CREEK				
HANG KETTLE CREEK	804112	MS011E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH TOWN CREEK				
HASHUQUA CREEK	813611	MS037E	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MWS 8137 BOUNDARY				
HASHUQUA CREEK	813711	MS037E	Aquatic Life Support	Attaining
LOCATION: FROM MWS 8136 BOUNDARY TO MOUTH AT NOXUBEE RIVER				
HOLLIS CREEK	812211	MS036HE	Aquatic Life Support	Not Attaining
LOCATION: NEAR STARKVILLE FROM HEADWATERS TO MOUTH AT NOXUBEE RIVER				
HORSE HUNTER CREEK	814011	MS038E	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT NOXUBEE RIVER				
HOULKA CREEK	807311	MS021EE	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MWS 8075 BOUNDARY				
HOULKA CREEK	807511	MS021EE	Aquatic Life Support	Not Attaining
LOCATION: FROM 8073 MWS BOUNDARY TO 8076 MWS BOUNDARY				

TOMBIGBEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
HOULKA CREEK	807711	MS021EE	Aquatic Life Support	Not Attaining
LOCATION: FROM 8076 MWS TO CHUQUATONCHEE CREEK				
HOULKA CREEK	807611	MS021EE	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 8075 TO MWS BOUNDARY 8077				
HOWARD CREEK	810011	N/A	Aquatic Life Support	Attaining
LOCATION: FROM UNNAMED TRIB NEAR MOUNT PLEASANT CHURCH TO MOUTH AT LUXAPALLILA CREEK				
HOWARD CREEK	810012	MS028M1	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO UNNAMED TRIB NEAR MOUNT PLEASANT CHURCH				
JAMES CREEK	803711	MS009JM2	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining
LOCATION: NEAR BIGBEE VALLEY FROM HEADWATERS TO MOUTH AT TOMBIGBEE RIVER				
JAMES CREEK	810812	MS031JE	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM 8112 MWS BOUNDARY TO MOUTH AT ALICEVILLE POOL				
JAMES CREEK	811111	MS031JE	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM HEADWATERS AT BIGBEE TO MWS 8112 MWS BOUNDARY				
JAMES CREEK	811211	MS031JE	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM 8111 MWS BOUNDARY TO 8108 MWS BOUNDARY				

TOMBIGBEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
JOES CREEK	813911	MS038M	Secondary Contact	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT NOXUBEE RIVER				
KINCAIDE CREEK	811011	MS033K	Aquatic Life Support	Not Attaining
LOCATION: AT FORESTON FROM AL STATE LINE TO NASH CREEK				
KINGS CREEK	805012	MS013K	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT TOWN CREEK				
LINE CREEK	808111	MS024E	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS NR MHOONS VALLEY TO 8081 MWS BOUNDARY				
LINE CREEK	808211	MS024E	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM MWS 8081 BOUNDARY TO MWS BOUNDARY 8083				
LINE CREEK	808311	MS024E	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM BOUNDARY WITH MWS 8082 TO MOUTH AT TIBBEE CREEK				
LITTLE BROWN CREEK	800611	MS001LB	Aquatic Life Support	Not Attaining
LOCATION: NEAR MARIETTA FROM HEADWATERS TO MWS 8006				
LITTLE BROWN CREEK	800712	MS001LB	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS 8006 TO CONFLUENCE WITH BIG BROWN CREEK				

TOMBIGBEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
LONG BRANCH	808512	MS023L	Aquatic Life Support	Not Attaining
LOCATION: NEAR STARKVILLE FROM HEADWATERS TO CONFLUENCE WITH TRIM CANE CREEK				
LUXAPALLALA CREEK	809911	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS BOUNDARY 8094 TO CONFLUENCE WITH YELLOW CREEK				
LUXAPALLALA CREEK	809411	N/A	Aquatic Life Support	Attaining
LOCATION: FROM AL STATE LINE TO MWS BOUNDARY 8099				
MACEDONIA CREEK	814111	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH RUNNING WATER CREEK				
MACEDONIA CREEK	814211	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH RUNNING WATER CREEK TO MOUTH AT NOXUBEE RIVER				
MACKEYS CREEK	800311	MS002ME	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS AT TENN TOM WATERWAY TO MOUTH AT BIG BROWN CREEK				
MAGOWAH CREEK	810612	MS031ME	Aquatic Life Support	Not Attaining
LOCATION: FROM CONFLUENCE OF NORTH AND SOUTH BRANCH TO 8108 MWS BOUNDARY				
MAGOWAH CREEK	810811	MS031ME	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS 8106 BOUNDARY TO MOUTH AT TOMBIGBEE RIVER				

TOMBIGBEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
MANTACHIE CREEK	801611	MS005ME	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS NR VAN BUREN TO MWS 8017 BOUNDARY				
MANTACHIE CREEK	801711	MS005ME	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM 8016 MWS BOUNDARY TO MOUTH AT TOMBIGBEE RIVER				
MATTUBBY CREEK	803211	MS009ME	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: HEADWATERS NE ABERDEEN TO MWS 8035				
MATTUBBY CREEK	803712	MS009ME	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: TOMBIGBEE OLD RIVER CHANNEL FROM CONFLUENCE OF MATTUBBY CREEK TO CONFLUENCE WITH TOMBIGBEE NAVIGATION CANAL				
MATTUBBY CREEK	803511	MS009ME	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM 8032 MWS BOUNDARY TO MOUTH AT TOMBIGBEE RIVER				
MCCRARY CREEK	810111	MS030E	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM AL STATE LINE TO CONFLUENCE WITH LUXAPALILLA CREEK				
MCKINLEY/WILSON CREEK	803911	MS010E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS OF WILSON CREEK TO 8039 MWS				
MCKINLEY/WILSON CREEK	804011	MS010E	Aquatic Life Support	Not Attaining
LOCATION: FROM 8039 MWS TO MCKINLEY CREEK TO MOUTH OF MCKINLEY CREEK AT TOMBIGBEE RIVER				

TOMBIGBEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
MIDDLE TULIP CREEK	804911	MS013LPE	Secondary Contact	Attaining
LOCATION: FROM LAKE PIOMINGO OUTFALL TO MOUTH AT TULIP CREEK				
MOORE CREEK	804311	MS012ME	Aquatic Life Support	Not Attaining
LOCATION: AT COLUMBUS FROM HEADWATERS TO THE TOMBIGBEE RIVER				
MUD CREEK	804711	MS013ME	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO 8050 MWS BOUNDARY				
MUD CREEK	805011	MS013ME	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM 8047 MWS BOUNDARY TO MOUTH AT TOWN CREEK				
NOXUBEE RIVER	811811	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS AT LAKE CHOCTAW TO 8119 MWS BOUNDARY				
NOXUBEE RIVER	812311	MSNOXUBRE	Secondary Contact	Attaining
LOCATION: FROM 8126 MWS BOUNDARY TO 8129 MWS BOUNDARY				
NOXUBEE RIVER	812911	MSNOXUBR	Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE OF BROWNING CREEK TO MWS BOUNDARY 8130				
NOXUBEE RIVER	813011	MSNOXUBR	Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 8129 TO CONFLUENCE WITH SHOTBAG CREEK				

TOMBIGBEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
NOXUBEE RIVER	813311	MSNOXUBR	Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE OF YELLOW CREEK TO CONFLUENCE OF HASHUQUA CREEK				
NOXUBEE RIVER	816111	MSNOXUBRE	Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE OF ASH CREEK TO AL STATE LINE				
NOXUBEE RIVER	816011	MSNOXUBRE	Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM BOUNDARY MWS 8151 TO CONFULENCE WITH ASH CREEK				
NOXUBEE RIVER	815111	MSNOXUBRE	Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM BOUNDARY WITH MWS 8146 TO BOUNDARY WITH MWS 8151				
NOXUBEE RIVER	814611	MSNOXUBRE	Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 8145 TO MWS BOUNDARY 8146				
NOXUBEE RIVER	814511	MSNOXUBRE	Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE WITH MACEDONIA CREEK TO MWS BOUNDARY 8146				
NOXUBEE RIVER	814311	MSNOXUBR	Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE OF JOES CREEK TO CONFLUENCE OF MACEDONIA CREEK				
NOXUBEE RIVER	813811	MSNOXUBR	Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE WITH HASHUQUA CREEK TO CONFLUENCE WITH JOES CREEK				

TOMBIGBEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
NOXUBEE RIVER	813111	MSNOXUBR	Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE OF SHOTBAG CREEK TO CONFLUENCE OF YELLOW CREEK				
NOXUBEE RIVER	812912	MSNOXUBR	Secondary Contact	Attaining
LOCATION: FROM THE 8129 WATERSHED BOUNDARY TO THE CONFLUENCE WITH BROWNING CREEK				
NOXUBEE RIVER	812312	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS BOUNDARY 8120 TO CONFLUENCE WITH CYPRESS CREEK				
NOXUBEE RIVER	812011	N/A	Aquatic Life Support	Attaining
LOCATION: FROM 8119 MWS BOUNDARY TO 8123 MWS BOUNDARY				
NOXUBEE RIVER	811911	N/A	Aquatic Life Support	Attaining
LOCATION: FROM 8118 MWS BOUNDARY TO 8120 MWS BOUNDARY				
OAK SLUSH CREEK	804312	MS012OSE	Aquatic Life Support	Not Attaining
LOCATION: NEAR COLUMBUS FROM THE HEADWATERS TO THE TENN-TOM WATERWAY				
PAWTICFAW CREEK	817111	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH YAZOO CREEK				
PAWTICFAW CREEK	817211	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH YAZOO CREEK TO 8174 MWS BOUNDARY				

TOMBIGBEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
PAWTICFAW CREEK LOCATION: FROM 8172 MWS BOUNDARY MOUTH AT SURCANOOCHEE RIVER	817411	N/A	Aquatic Life Support	Attaining
PLUM CREEK LOCATION: NEAR MACON FROM HEADWATERS TO MOUTH AT NOXUBEE RIVER	814411	MS042E	Aquatic Life Support	Not Attaining
POOL B LOCATION: LAKE IN 8028, UPSTREAM END	802812	N/A	Aquatic Life Support	Attaining
RED BUD CREEK LOCATION: FROM HEADWATERS TO MOUTH AT TENN-TOM WATERWAY	800312	MS002RBE	Aquatic Life Support	Not Attaining
ROBERTS BRANCH LOCATION: FROM HEADWATERS TO MOUTH AT COWPENNA CREEK	805912	MS016RE	Aquatic Life Support	Not Attaining
ROCK CREEK LOCATION: NEAR BELMONT FROM HEADWATERS TO THE TENN-TOM WATERWAY	800211	MS002RE	Aquatic Life Support	Not Attaining
SHOTBAG CREEK LOCATION: FROM HEADWATERS TO MOUTH AT NOXUBEE RIVER	813012	MSTB038R00_ 020	Secondary Contact	Not Attaining
SHUQUALAK CREEK LOCATION: FROM HEADWATERS TO MOUTH AT NOXUBEE RIVER	814711	MS040E	Aquatic Life Support	Not Attaining

TOMBIGBEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
SHY HAMMOCK CREEK	815711	MS045E	Aquatic Life Support	Not Attaining
LOCATION: NEAR GILES FROM HEADWATERS TO PUSHACOONA CREEK				
SMITH CREEK	802411	MS007S	Aquatic Life Support	Not Attaining
LOCATION: NEAR TENN. FROM HEADWATERS TO CONFLUENCE WITH JIM'S CREEK				
SOUTH BRANCH MAGOWAH CR	810511	MS031S	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH NORTH BRANCH MAGOWAH CR				
SPRING CREEK	804113	N/A	Aquatic Life Support	Attaining
LOCATION: NEAR VINTON FROM HEADWATERS TO CONFLUENCE WITH HANG KETTLE CREEK				
SPRING CREEK	809312	MS022S	Aquatic Life Support	Not Attaining
LOCATION: NEAR WESTPOINT FROM HEADWATERS TO CONFLUENCE WITH TIBBEE CREEK				
STINSON CREEK	804313	MS012E	Aquatic Life Support	Not Attaining
LOCATION: AT COLUMBUS AIRFORCE BASE TO MOUTH AT COLUMBUS LAKE				
STRAIGHT CREEK	816912	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT SUCARNOOCHEE CREEK				
SUCARNOOCHEE CREEK	816911	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS NEAR KEMPER LAKE TO CONFLUENCE WITH SNOODY CREEK				

TOMBIGBEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
SUCARNOOCHEE CREEK	817011	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE WITH SNOODY CREEK TO CONFLUENCE WITH PAWTICFAW CREEK				
TALLABINNELA CREEK	805711	MS015TE	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM BALL CREEK TO BOUNDARY WITH MWS 8057				
TALLABINNELA CREEK	805712	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO BALL CREEK				
TALLIBINNELA CREEK	805811	MS015TE	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM BOUNDARY WITH MWS 8057 TO CONFUENCE WITH CHIWAPA CREEK				
TENN TOM B	802512	N/A	Aquatic Life Support	Attaining
LOCATION: NEAR SMITHVILLE				
TENN TOM POOL D	801311	N/A	Aquatic Life Support	Attaining
LOCATION: ITAWAMBA COUNTY				
TENN TOM POOL B	801512	N/A	Aquatic Life Support	Attaining
LOCATION: NEAR FULTON				
TENN TOM POOL B	801812	N/A	Aquatic Life Support	Attaining
LOCATION: ITAWAMBA COUNTY NEAR FULTON				

TOMBIGBEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
TENN TOM POOL C LOCATION: NEAR FULTON	801412	N/A	Aquatic Life Support	Attaining
TENN TOM POOL C LOCATION: NEAR FULTON	801513	N/A	Aquatic Life Support	Attaining
TENN TOM POOL D LOCATION: ITAWAMBA COUNTY	800313	N/A	Aquatic Life Support	Attaining
TENN TOM POOL D LOCATION: ITAWAMBA COUNTY	800713	N/A	Aquatic Life Support	Attaining
TENN TOM POOL D LOCATION: ITAWAMBA COUNTY	801411	N/A	Aquatic Life Support	Attaining
TIBBEE CREEK LOCATION: FROM CONFLUENCE CHUQUATONCHEE TO MWS 8089 BOUNDARY	808911	MSTIBBEE	Secondary Contact	Not Attaining
TIBBEE CREEK LOCATION: FROM 8089 MWS BOUNDARY TO MOUTH AT TOMBIGBEE RIVER	809311	MSTIBBEE	Secondary Contact	Not Attaining
TOWN CREEK LOCATION: NEAR VINTON FROM HEADWATERS TO CONFLUENCE WITH HANG KETTLE CREEK	804111	MS011T	Aquatic Life Support	Not Attaining

TOMBIGBEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
TOWN CREEK	804211	MS011T	Aquatic Life Support	Not Attaining
LOCATION: FROM HANG KETTLE CREEK TO CONFLUENCE WITH TENN-TOM				
TOWN CREEK	805911	MS016TE	Aquatic Life Support	Not Attaining
LOCATION: FROM 8053 MWS BOUNDARY TO 8060 MWS BOUNDARY				
TOWN CREEK	808912	MS022T	Aquatic Life Support	Not Attaining
LOCATION: NEAR WESTPOINT FROM HEADWATERS TO MOUTH AT TIBBEE CREEK				
TOWN CREEK	806011	MS016TE	Aquatic Life Support	Not Attaining
LOCATION: FROM 8059 MWS TO CONFLUENCE WITH SHOAF CREEK				
TRIM CANE CREEK	808411	MS023E	Aquatic Life Support	Not Attaining
LOCATION: NEAR STARKVILLE FROM HEADWATERS TO MWS BOUNDARY 8085				
TRIM CANE CREEK	808811	MS023E	Aquatic Life Support	Not Attaining
LOCATION: FROM 8086 MWS BOUNDARY TO CONFLUENCE WITH LINE CREEK				
TRIM CANE CREEK	808511	MS023E	Aquatic Life Support	Not Attaining
LOCATION: FROM 8084 MWS BOUNDARY TO 8086 MWS BOUNDARY				
TRIM CANE CREEK	808611	MS023E	Aquatic Life Support	Not Attaining
LOCATION: MWS BOUNDARY 8085 TO MWS BOUNDARY 8088				

TOMBIGBEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
TUBBALUBBA CREEK	805812	805812	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT TALLIBINNELA CREEK				
TWENTYMILE CREEK	800911	MS003T2E	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO MWS 8011 BOUNDARY				
TWENTYMILE CREEK	801111	MS003T2E	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM 8009 MWS BOUNDARY TO 8012 MWS BOUNDARY				
TWENTYMILE CREEK	801211	MS003T2E	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM 8011 MWS BOUNDARY TO MOUTH AT TOMBIGBEE RIVER				
UNNAMED TRIB TO CATALPA CREEK	809012	809012	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS UPSTRREAM OF ARTESIA POTW TO CONFLUENCE WITH CATALPA CREEK				
UNNAMED TRIB. TO GILMER CR	810412	810412	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT GILMER CREEK				
WAHALAK CREEK	814811	MS041E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO GOOLSBY CREEK				
WAHALAK CREEK	814911	MS041E	Aquatic Life Support	Not Attaining
LOCATION: FROM GOOLSBY CREEK TO 8150 MWS				

TOMBIGBEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
WAHALAK CREEK	815112	MS041E	Aquatic Life Support	Not Attaining
LOCATION: FROM 8150 MWS BOUNDARY TO MOUTH AT NOXUBEE RIVER				
WAHALAK CREEK	815011	MS041E	Aquatic Life Support	Not Attaining
LOCATION: FROM 8149 MWS BOUNDARY TO 8151 MWS BOUNDARY				
WEAVER CREEK	802911	N/A	Aquatic Life Support	Attaining
LOCATION: NEAR BECKER FROM HEADWATERS TO MOUTH AT TENN-TOM WATERWAY				
WET WATER CREEK	813812	MS038WW	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT NOXUBEE RIVER				
WOLF C REEK	803411	N/A	Aquatic Life Support	Attaining
LOCATION: NEAR ABERDEEN FROM HEADWATERS TO MOUTH AT MATTUBY CREEK				
WOODWARD CREEK	815311	MS043E	Aquatic Life Support	Not Attaining
LOCATION: NEAR COOKSVILLE FROM HEADWATERS TO 8154 BOUNDARY				
WOODWARD CREEK	815411	MS043E	Aquatic Life Support	Not Attaining
LOCATION: FROM 8153 BOUNDARY TO AL STATELINE				
YELLOW CREEK	809711	MS027E	Aquatic Life Support	Not Attaining
LOCATION: FROM AL STATE LINE TO MWS BOUNDARY 8099				

TOMBIGBEE RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
YELLOW CREEK	813211	MS037Y	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT NOXUBEE RIVER				
YELLOW CREEK	809912	MS027E	Aquatic Life Support	Not Attaining
LOCATION: FROM 8097 MWS BOUNDARY TO CONFLUENCE WITH LUXAPALLALA CREEK				

YAZOO RIVER BASIN

Basin Description

The Yazoo River Basin is located in the northwestern and west central part of Mississippi. The basin, Mississippi's largest, covers 13,355 square miles in 30 counties (Figure 92). The basin is about 200 miles long with a maximum width of approximately 100 miles and eventually drains via the Yazoo River into the Mississippi River near Vicksburg, Mississippi. The Yazoo River Basin has approximately 24,554 miles of rivers and streams. The Yazoo River itself begins in Leflore County, Mississippi from the convergence of its main headwater tributaries of the Tallahatchie River and the Yalobusha River. Major rivers in the basin include the Coldwater, Little Tallahatchie, Tallahatchie, Yocona, Yalobusha, Big Sunflower, and Yazoo Rivers. Other major water features in the basin include four large flood control reservoirs that create recreational opportunities and provide quality of life benefits. For Mississippi's Basin Management Approach and §305(b) assessment purposes, the Mississippi River Basin above the city of Vicksburg is included in this section.

Figure 93: Yazoo River Basin (MDEQ)

The Delta portion of the Yazoo River Basin is one of the most noticeable geographic features in the state and is part of the alluvial plain of the Mississippi River. The Mississippi Alluvial Plain (MAP) encompasses the land on both banks of the Mississippi River in six states and represents the original floodplain of the Mississippi River. The part of the MAP system that lies within Mississippi extends the entire length of the state.

Just south of Memphis, the plain fans out to encompass all of the land between the Mississippi and Yazoo Rivers. This fan-shaped area is commonly known as the Delta and is one of two distinct regions of the Yazoo River Basin. The other is the "Bluff Hills" or uplands portion, located on the eastern and northeastern parts of the basin. The Delta was naturally covered in thick forests and swamps, but over the last two centuries, man has cleared most of the forests and drained the majority of the swamps, leaving a vast open country of rich farm land (approximately 7,000 square miles). The Yazoo River Basin is now essentially separated from the Mississippi River by an extensive man-made levee system running the entire length of the western side of the basin designed to prevent major flood events. The only outlet to the Mississippi River for the basin is the Yazoo River mainstem mouth at Vicksburg in central Mississippi.

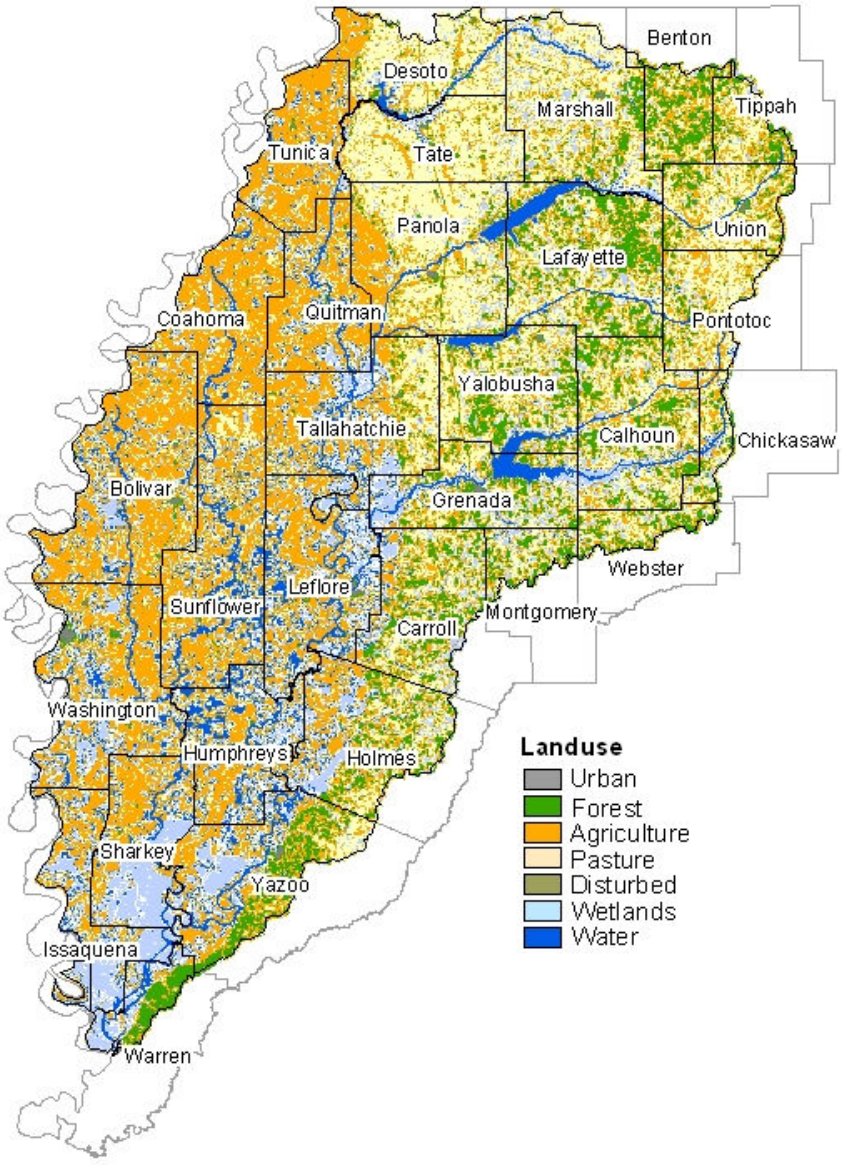
The Yazoo River Basin includes a hilly upland in north and north-central Mississippi, where its headwater tributaries originate, and an extensive flat lowland area in north and west Mississippi. The sparsely populated upland area is located primarily in the Mississippi Valley Loess Hills and Plains Region, and is commonly known as the Bluff Hills. Oak and hickory forestland, gently rolling hills and plains, and a thick, highly erosive loess soil (sometimes over 60 ft. thick) are key natural characteristics of this region. This area has been described as one of the most erosive regions in the world. Major cities in this region include Grenada, Batesville, Oxford, Holly Springs, and New Albany.

The flat lowland area in northwest Mississippi located in the MAP Region, and known as the Delta, is recognized for containing some of the most fertile and productive farmland in the world. This region is mostly a flat, broad, floodplain. River terraces and levees provide the main topographic relief. Because the natural elevation gradient is only one foot per mile, streams in this region tend to be sluggish and have poorly-defined channels. Land in the Delta is mainly comprised of alluvial deposits of sand and clay deposited by the ancestral Mississippi and Ohio Rivers. The deep soils tend to have low permeability and poor drainage. Historically, the land has been used for row crops and most of the streams were channelized to improve drainage. The Yazoo River Basin has relatively few areas with large scale urban development in this vast agriculturally-dominated basin and these are found around its few urban population centers of Greenville, Indianola, Greenwood, Cleveland, Clarksdale, and Tunica. One area experiencing increasing urban growth in recent years is the Tunica area located in the northwestern part of the basin near Tennessee. This is due to the explosive growth of the casino industry along the Mississippi River in this area of the state.

The Yazoo River Basin, with an estimated population of 625,524 (2000 Census), encompasses approximately one-fifth of Mississippi's population. This area is predominantly rural with an average population density of around 45 people per square mile. Within the basin, greater population densities are found in the eastern (Bluff Hills) and northern (Memphis outgrowth) parts of the basin. Within the Delta, the greatest concentrations of people are associated with the cities of Clarksdale, Cleveland, and Indianola.

Land Use

From the taming of the floodwaters of the Mississippi River through the construction of levees and flood control reservoirs to the conversion of the vast bottomland hardwood forests into croplands and fish farms, the Yazoo River Basin has been significantly altered over time. In fact, the Delta region of the Yazoo River Basin has been altered more by human activity than any other area of the state. Exposure of the erosive soils of the Bluff Hills region by human activity has also been significant.



The distribution of major land uses within the basin can be directly correlated to the basin's regional boundaries. Cropland production, hosted by the fertile soils of the Delta region, and wetlands dominate land use in the western portion of the basin, while the varied topography and soils of the Bluff Hills region have diverse land uses in the eastern part of the basin (Figure 93).

Figure 94: Major Land Use in the Yazoo River Basin (MARIS)

Land cover is dominated by *agriculture* (Figure 94), with 40 percent of the basin used for cropland and 19 percent for pasture. Natural *forest* and *wetlands* comprise 29 percent of the basin. *Urban* uses (i.e., towns and cities) make up only 1 percent of the basin area. However, one of the fastest growing urban areas of the state is in the northern portion of the basin which is a suburb of Memphis, TN. *Disturbed areas* (strip mines, gravel pits, sandy areas, barren, and transitional areas) make up the remaining 8% of the land use in the basin.

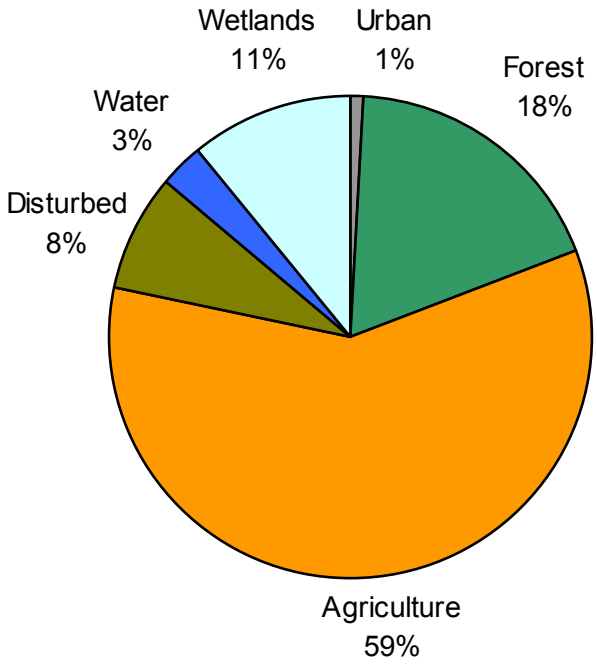


Figure 95: Distribution of Land Cover in the Yazoo River Basin (MARIS)

Water Resources

The Yazoo River Basin in Mississippi has approximately 23,928 miles of perennial and intermittent rivers and streams. According to the state's water quality standards, the Yazoo River and most of its tributaries are classified as Fish and Wildlife streams. One water body, the Little Tallahatchie River below Sardis Reservoir, is classified as Recreation. In addition, several small ditches and drainage canals in the basin located primarily below point source discharges are specifically identified and classified as Ephemeral in the state's WQS.

Streams in the upland portion of the Yazoo River Basin tend to be deeply incised and generally unstable. These streams tend to have straight and wide channel beds (composed of sand, sand and gravel, or cohesive clay), shallow depths with little discharge, and steep banks prone to failure. Streams in the Delta portion are typically sluggish due to the limited slope, are very turbid most of the time due to sediment runoff and have silt bottoms. Many stream channels have been straightened to facilitate drainage.

Abundant reservoirs and lakes can be found in the Yazoo River Basin. In fact, eight of the eleven largest reservoirs and lakes in the state are located in the basin. These lakes are significant natural and recreational resources. The largest water bodies are the four flood control reservoirs operated by the USACE: Sardis, Grenada, Arkabutla, and Enid. Although designed for flood control, these reservoirs are used extensively for recreation and are classified as such in the state's WQS. Other public reservoirs and lakes found in this basin that are classified for Recreation are Chewalla Reservoir, Lake Dumas, Lake Washington, Moon Lake, Tillatoba Lake, and Spring Lake at Wall Doxey State Park. Some other major lakes in the Yazoo Basin and the associated portion of the Mississippi River Basin include Lake Bolivar, Desoto Lake, Eagle Lake, Bee Lake, Dump Lake, Lake Bolivar, Wasp Lake, Tunica Lake, and Tchula Lake.

In terms of biological resources, the Yazoo River Basin has two federally threatened and four federally endangered species. This basin also includes two water bodies, Coldwater River and Tippah River, proposed for review as potential Mississippi Natural and Scenic Waterways System water bodies.

Surface Water Assessment

Designated Use Support

The assessments for the Yazoo River Basin were made based on data from 214 sampling locations in streams and rivers across the basin sampled by MDEQ FSD as part of the §303(d)/IBI wadeable streams project, the §303(d) fecal coliform monitoring project, and the lake nutrient criteria development project (Figure 95). All of these streams are located in the Bluff Hills area of the basin. The Delta region or Mississippi Alluvial Plain was not monitored as part of the M-BISQ Project due to the unique geomorphological and land use/land cover characteristics of this area. Use support status for the basin is presented and summarized in this report with causes of impairment.

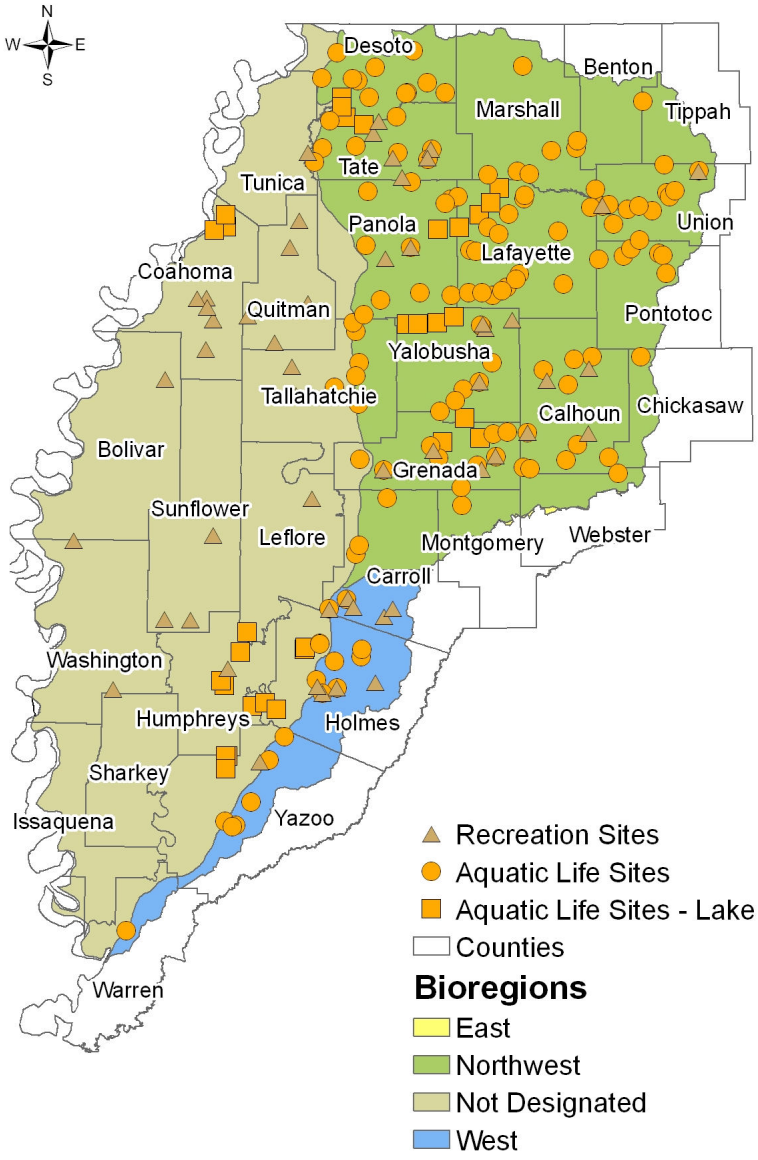


Figure 96: Yazoo River Basin Monitoring Stations and M-BISQ Bioregions

MDEQ assessed approximately 19% (1,618 miles) of the total 8,299 perennial miles of streams and rivers in the Yazoo River Basin. The status of water quality on the remaining 81% (6,681 miles) of the basin's perennial rivers and streams is unknown (Figure 96). In addition, the majority of stream miles (65%) in the Yazoo River Basin is composed of intermittent streams and therefore is not readily assessable. Monitoring for the 2006 §305(b) assessment consisted of biological community surveys in the Bluff Hills portion of the basin as part of Mississippi's M-BISQ project. Waters in the Delta were excluded from this monitoring effort. This factor also contributed to a lower percentage of monitored waters in the Yazoo River Basin. Currently there is a Delta monitoring program underway that will look at water samples and a fish index of biotic integrity specific for this region of the Yazoo Basin. Results from this project should be available for the 2008 assessment. Please refer to Table 13 at the end of the Yazoo River Basin section for a tabular listing of all assessments. This table also provides the necessary information to cross-reference the §305(b) assessments with the §303(d) list.

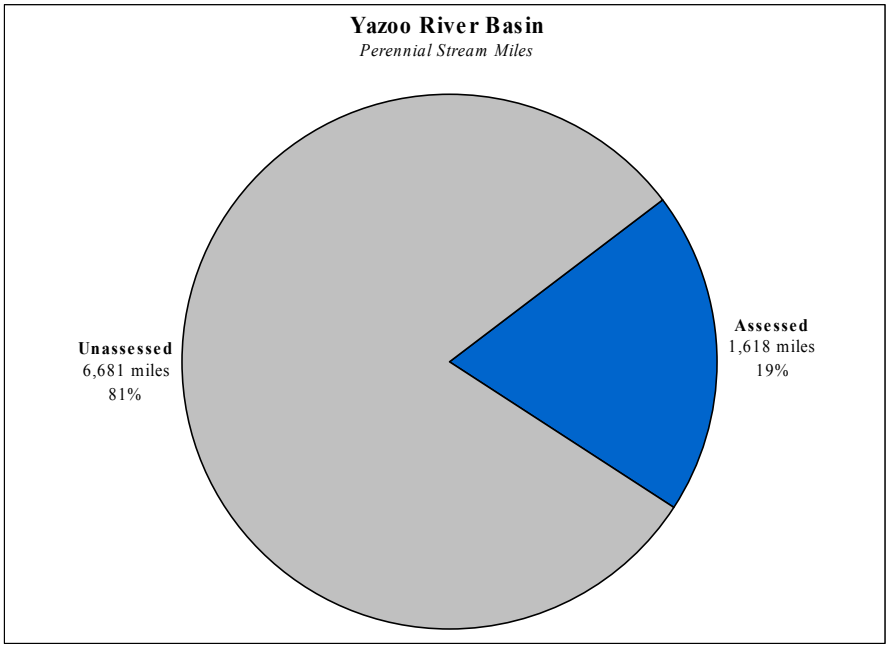


Figure 97: Yazoo River Basin Assessment of Perennial Rivers and Streams

Causes of Impairment of Designated Uses

Causes of impairment were evaluated for streams and rivers having one or more uses impaired. Total assessed lengths of streams and rivers affected by various cause categories are given in Figure 97 for ALUS in streams and rivers. For the majority of miles of assessed rivers that do not meet their designated uses, impairment is caused by unknown pollutants or other factors contributing to biological impairment. In these cases, actual monitoring has detected biological impairment but the exact pollutant cause has yet to be determined. For these impaired waters, the next step in the state's water quality management process will be to conduct stressor identification analyses to identify the stressor(s) causing the impairment. Once the stressor(s) are identified, the Total

Maximum Daily Load (TMDL) process where applicable can proceed. For stressors identified that are not appropriate for the development of a TMDL, other water quality management actions will be needed. Other causes of impairment noted in the Yazoo River Basin are pathogens, mercury, PCBs, DDT, and toxaphene. The sources of pathogen and biological impairments for waters assessed in the basin are unknown. As stated above, the majority of impairment was determined to be biological and sources of the impairment are yet to be determined. Other sources of impairment include atmospheric deposition for mercury, runoff from industrial sites for the PCB's, and historical agricultural runoff of DDT and toxaphene that resulted in resuspension of these pesticides in contaminated sediments.

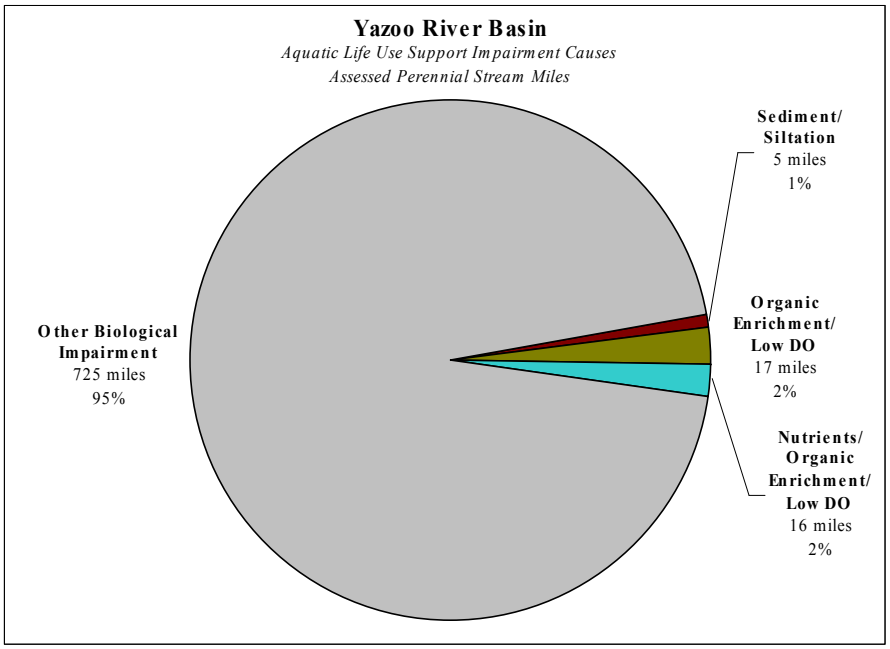


Figure 98: Summary of Aquatic Life Use Support Impairment Causes for Perennial Rivers and Streams-Yazoo River Basin

Aquatic Life Use Support

As stated earlier, all of the Aquatic Life Use Support assessments for streams and rivers were based on biological monitoring data collected as part of the development of Mississippi's IBI process, M-BISQ for rivers and streams. Of the Yazoo River Basin's assessed stream and river miles, approximately 359 miles of perennial rivers and streams are attaining their aquatic life use, while 763 miles were assessed as not attaining and are considered impaired (Figure 98). All of the non-attainment assessments are attributed to biological impairment and stressor identification studies are pending to determine the actual pollutant(s) contributing to the impairment. In the Yazoo River basin, 17 lakes, (approximately 94,000 acres) were assessed as attaining for ALUS (Table 12), using data collected as part of the Lakes Nutrient Criteria Development Project. Figures 99-102

depict geo-referenced coverages of the Aquatic Life Use Support assessments for the Yazoo River Basin.

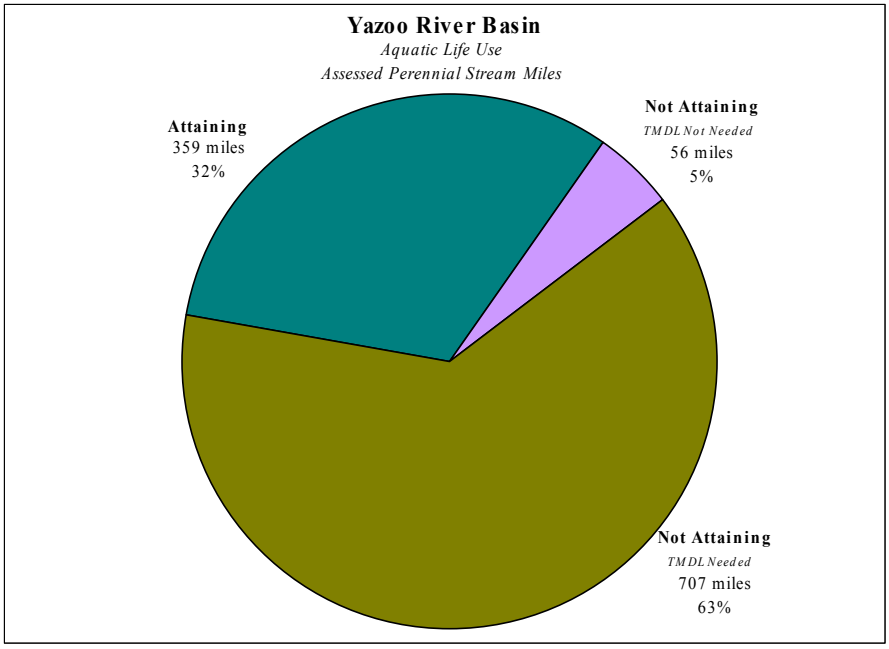


Figure 99: Aquatic Life Use Support-Yazoo River Basin

Table 12: Lakes assessed in the Yazoo River Basin for ALUS

YAZOO RIVER BASIN	
ARKABUTLA LAKE	9,653 acres
BEE LAKE	1,357 acres
BEULAH LAKE	994 acres
DESOTO LAKE	1,432 acres
EAGLE LAKE	4,476 acres
ENID LAKE	14,641 acres
GRENADA LAKE	19,946 acres
HARD CASH LAKE	84 acres
HORSESHOE LAKE	713 acres
LAKE CHOTARD	187 acres
LAKE FERGURSON	1,888 acres
LAKE WHITTINGTON	2,135 acres
LEE LAKE	1,793 acres
MOON LAKE	2,343 acres
SARDIS LAKE	30,777 acres
WASP LAKE	505 acres
WOLF/BROAD LAKE	1,030 acres

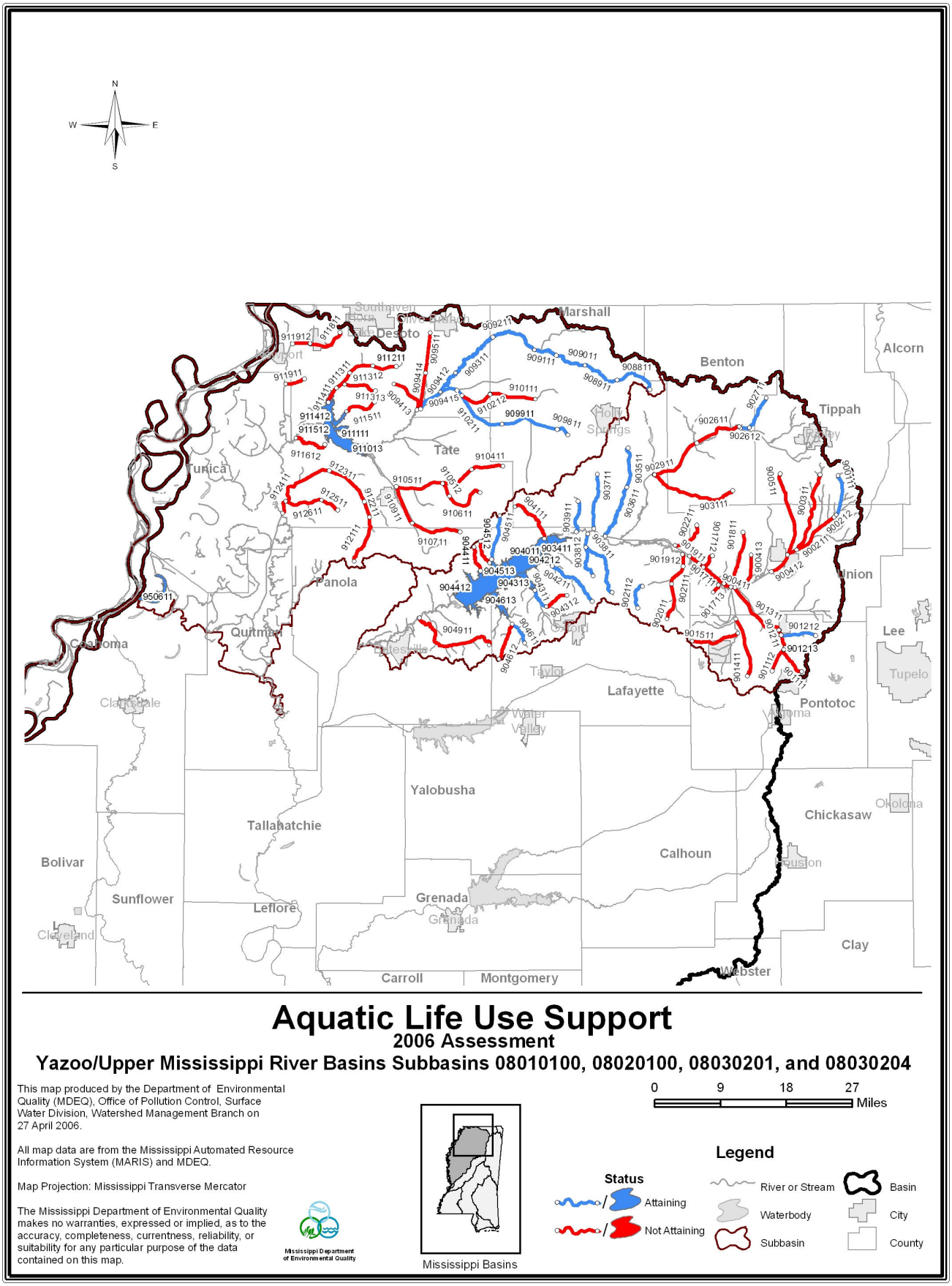


Figure 100: Aquatic Life Use Support Map-Upper Yazoo River Basin

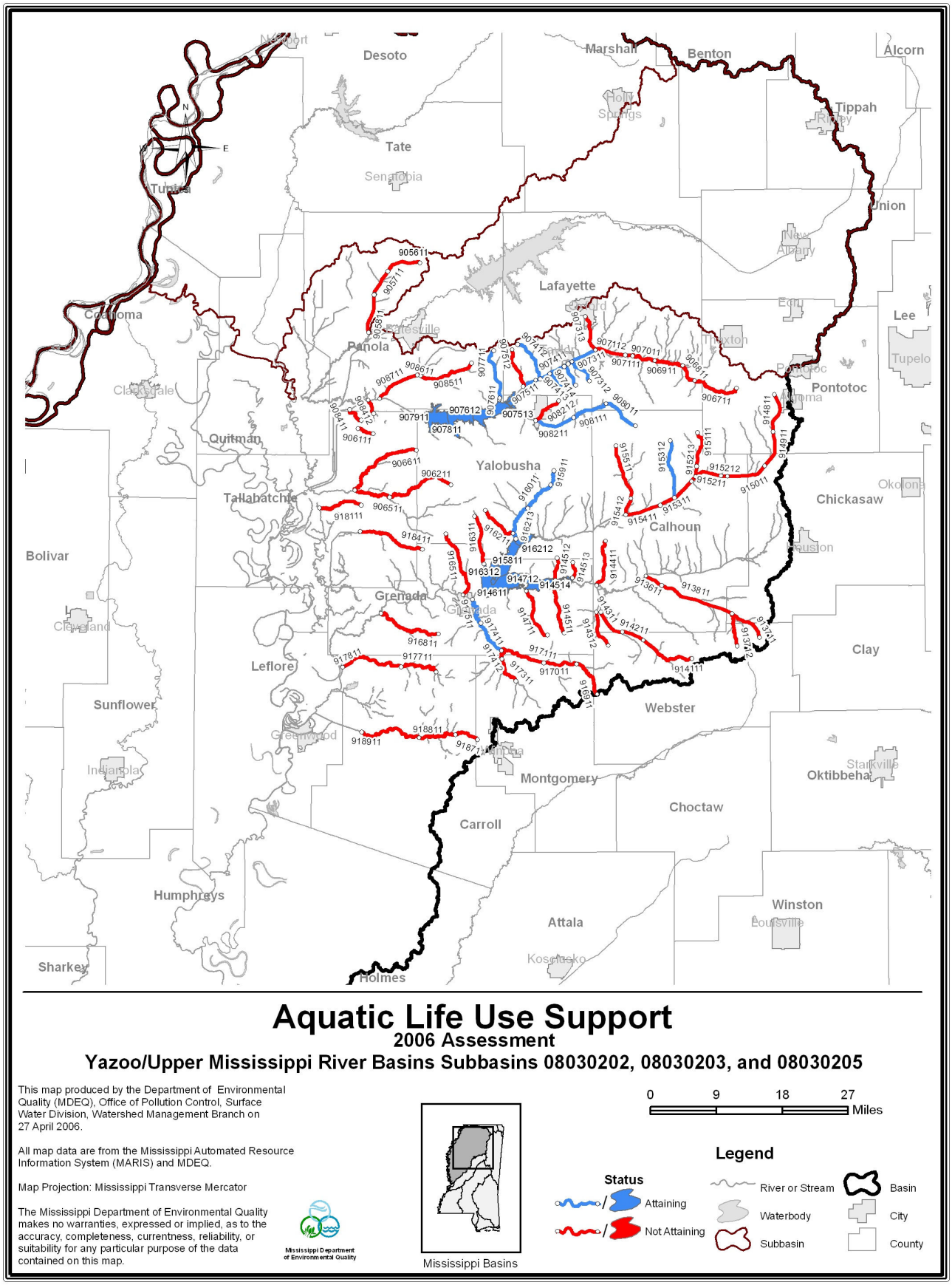


Figure 101: Aquatic Life Use Support Map-Eastern Yazoo River Basin

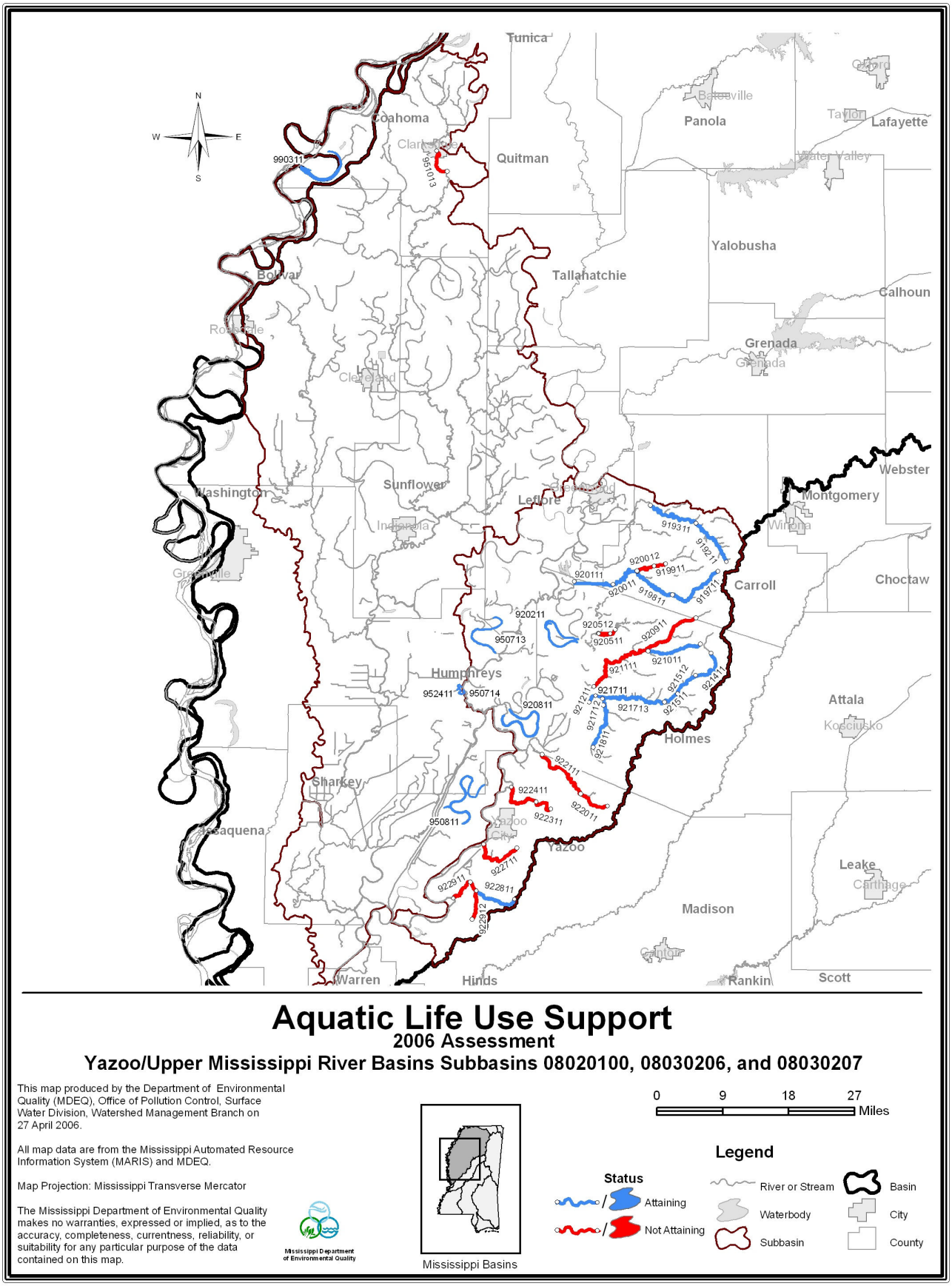


Figure 102: Aquatic Life Use Support Map-Middle Yazoo River Basin

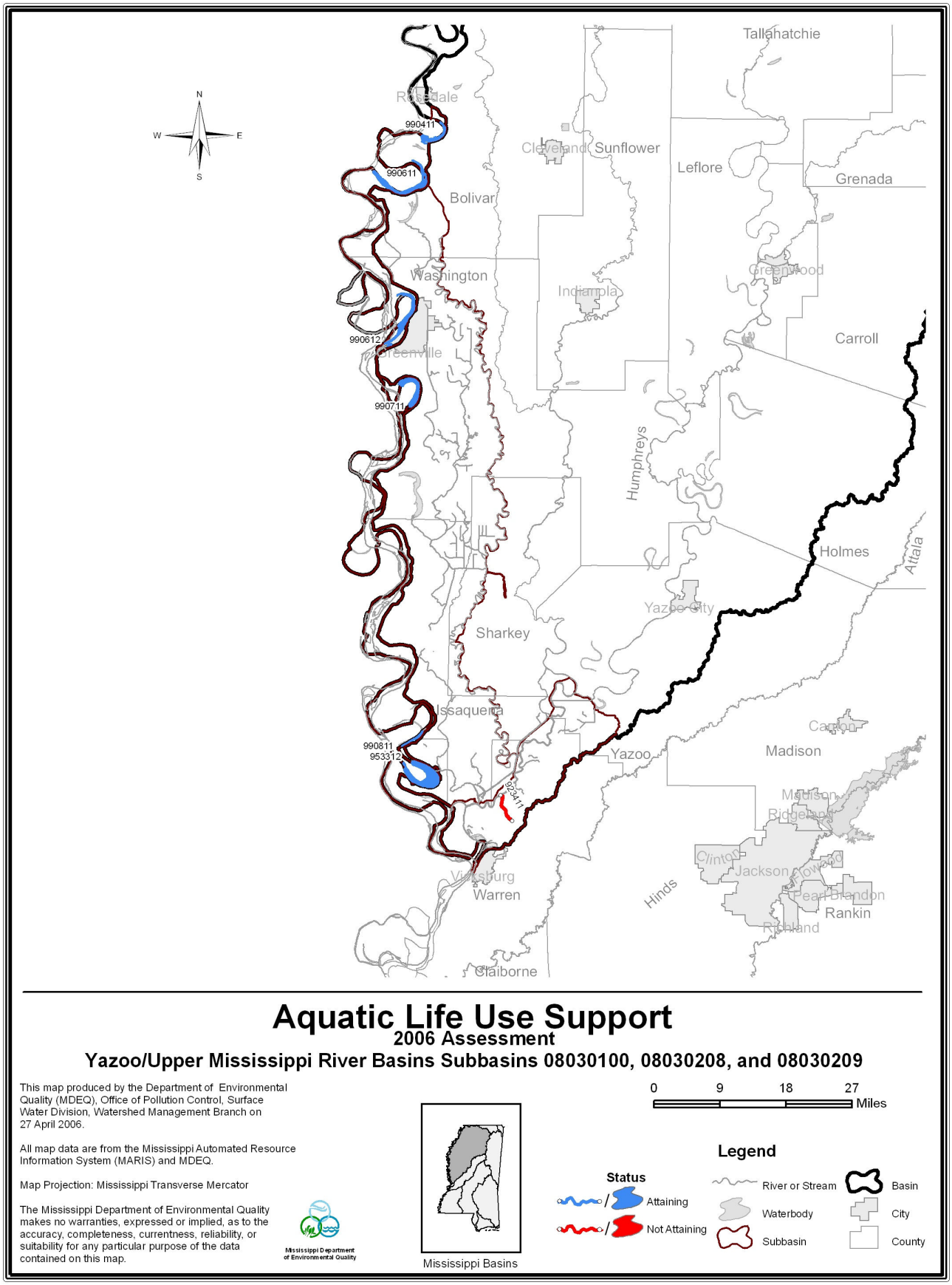


Figure 103: Aquatic Life Use Support Map-Lower Yazoo River Basin

Contact Recreation Use Support

Data collected as part of a statewide §303(d) fecal coliform monitoring project were used to make the Contact Recreation Use Support assessments. This includes streams that are classified as primary contact recreation as well as streams with data for secondary contact recreation. Both classifications are subject to the same standards in the contact recreation season. For more information on the state's water quality standards, please review the document: State of Mississippi Water Quality Criteria for Intrastate, Interstate and Coastal Waters (2002) which can be found at the following website: www.deq.state.ms.us. Of the Yazoo River Basin's assessed stream and river miles, approximately 402 miles of perennial rivers and streams are attaining their recreation use, while 287 miles were assessed as not attaining and are considered impaired (Figure 103). Figures 104-107 depict geo-referenced coverages of the Contact recreation Use Support assessments for the Yazoo River Basin.

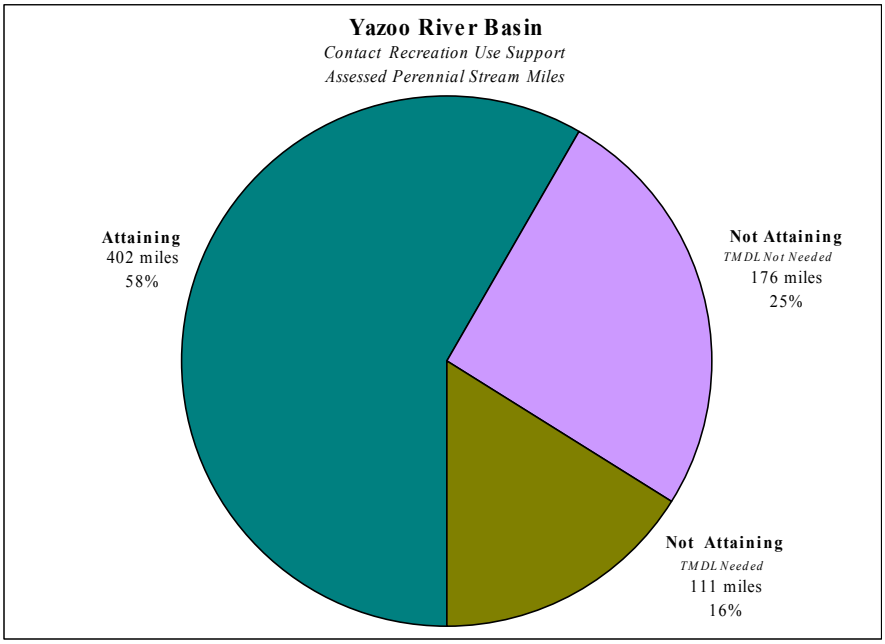


Figure 104: Contact Recreation Use Support-Yazoo River Basin

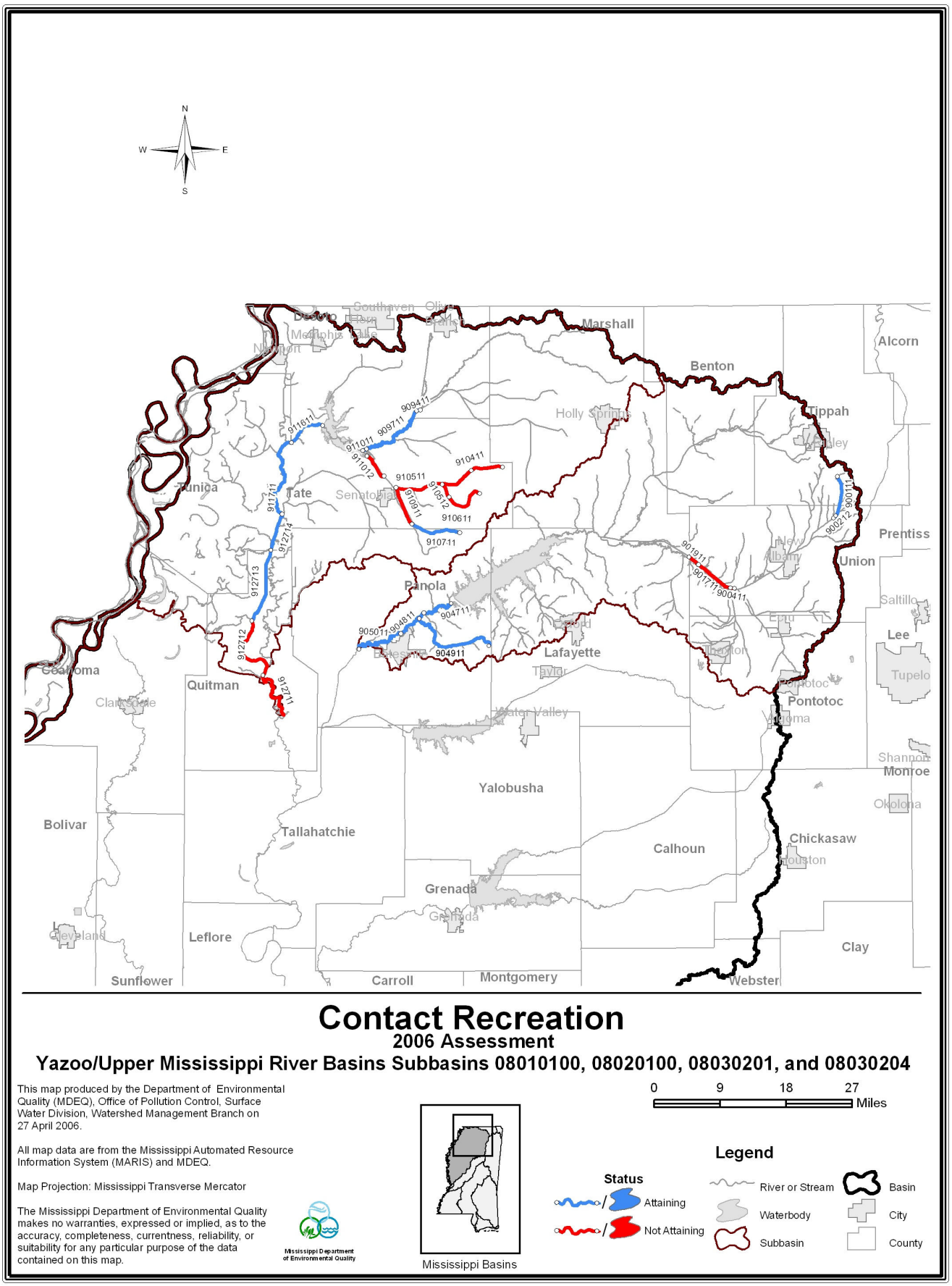


Figure 105: Contact Recreation Use Support Map-Upper Yazoo River Basin

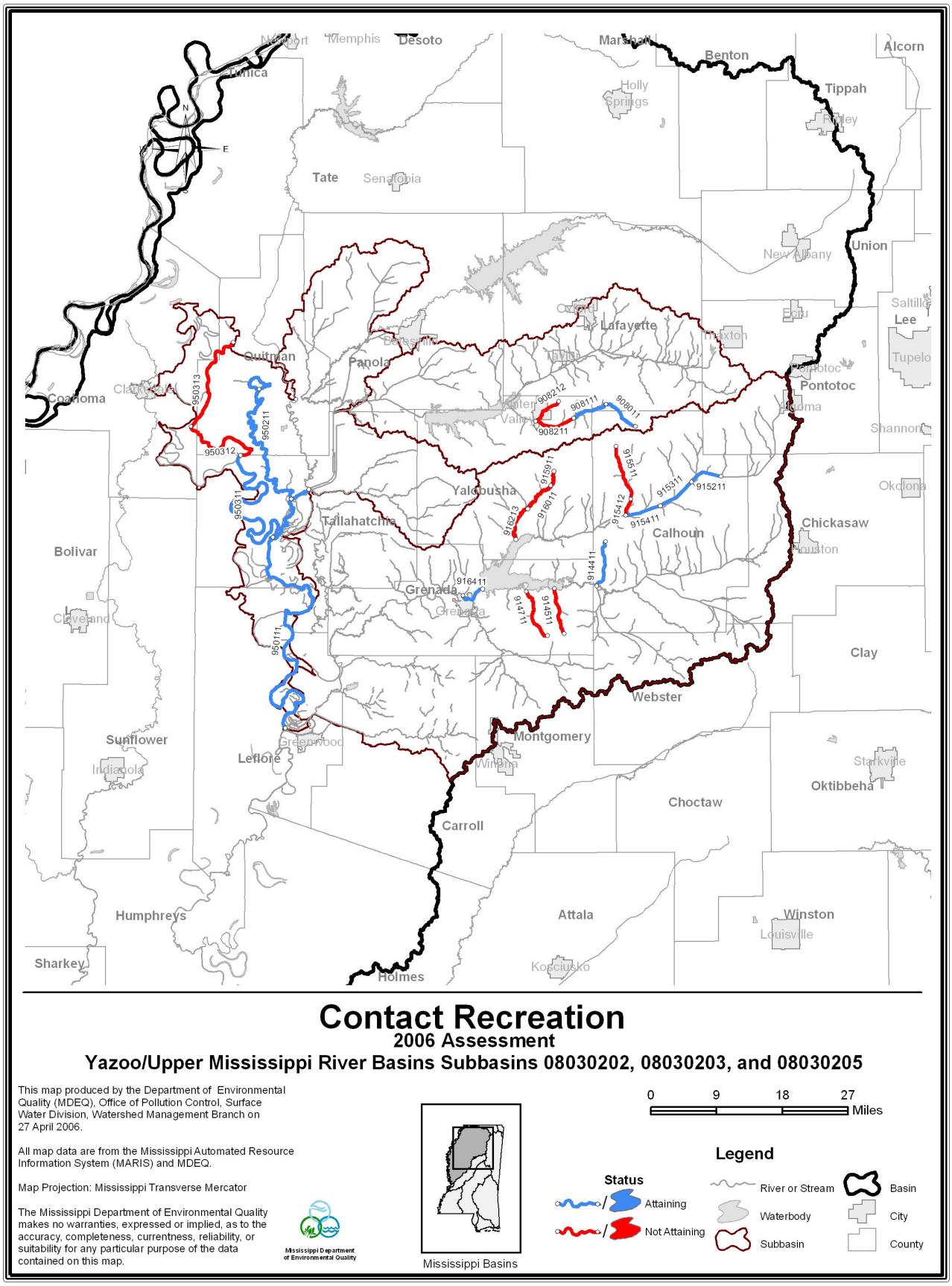


Figure 106: Contact Recreation Use Support Map-Eastern Yazoo River Basin

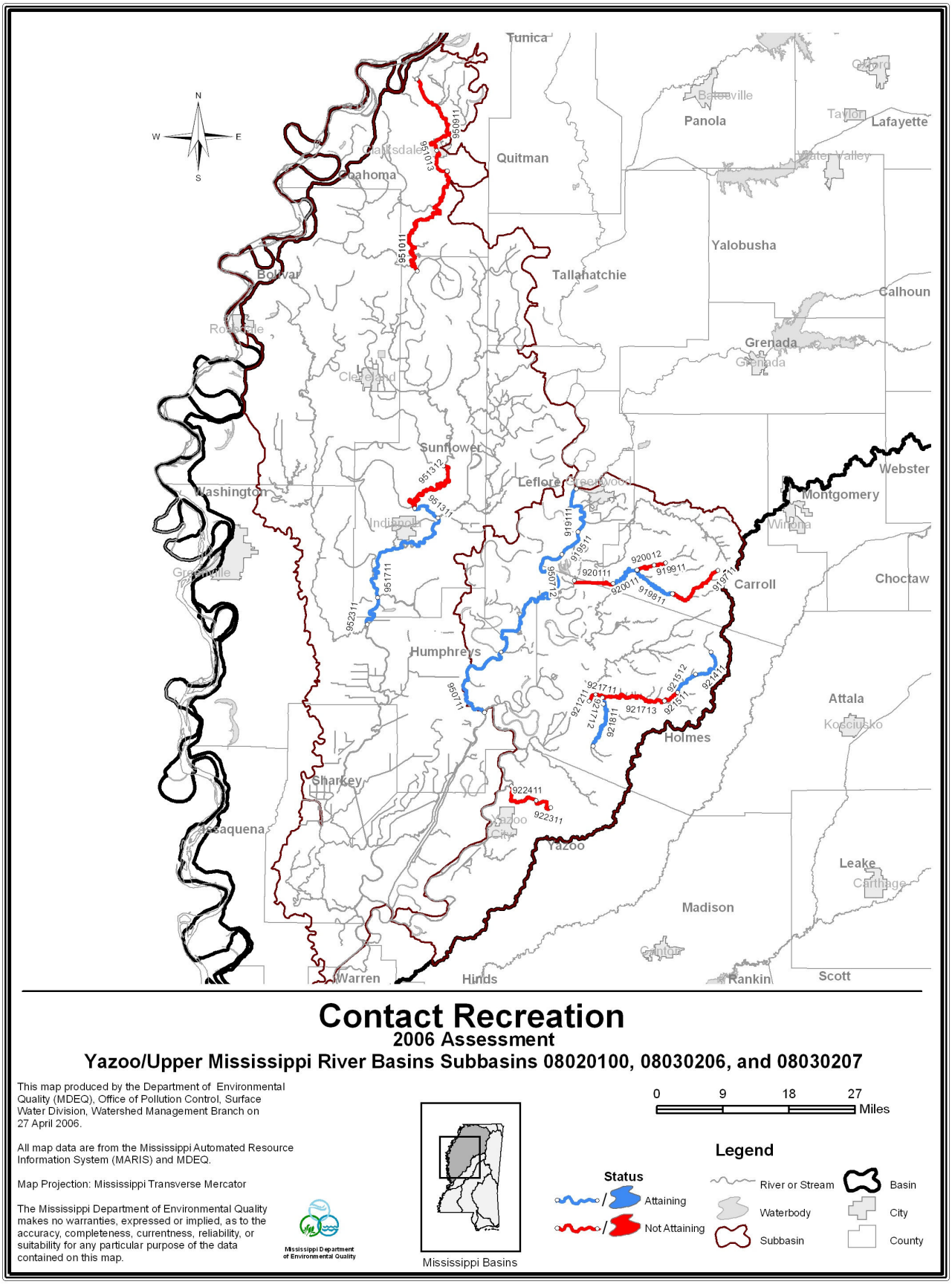


Figure 107: Contact Recreation Use Support Map-Middle Yazoo River Basin

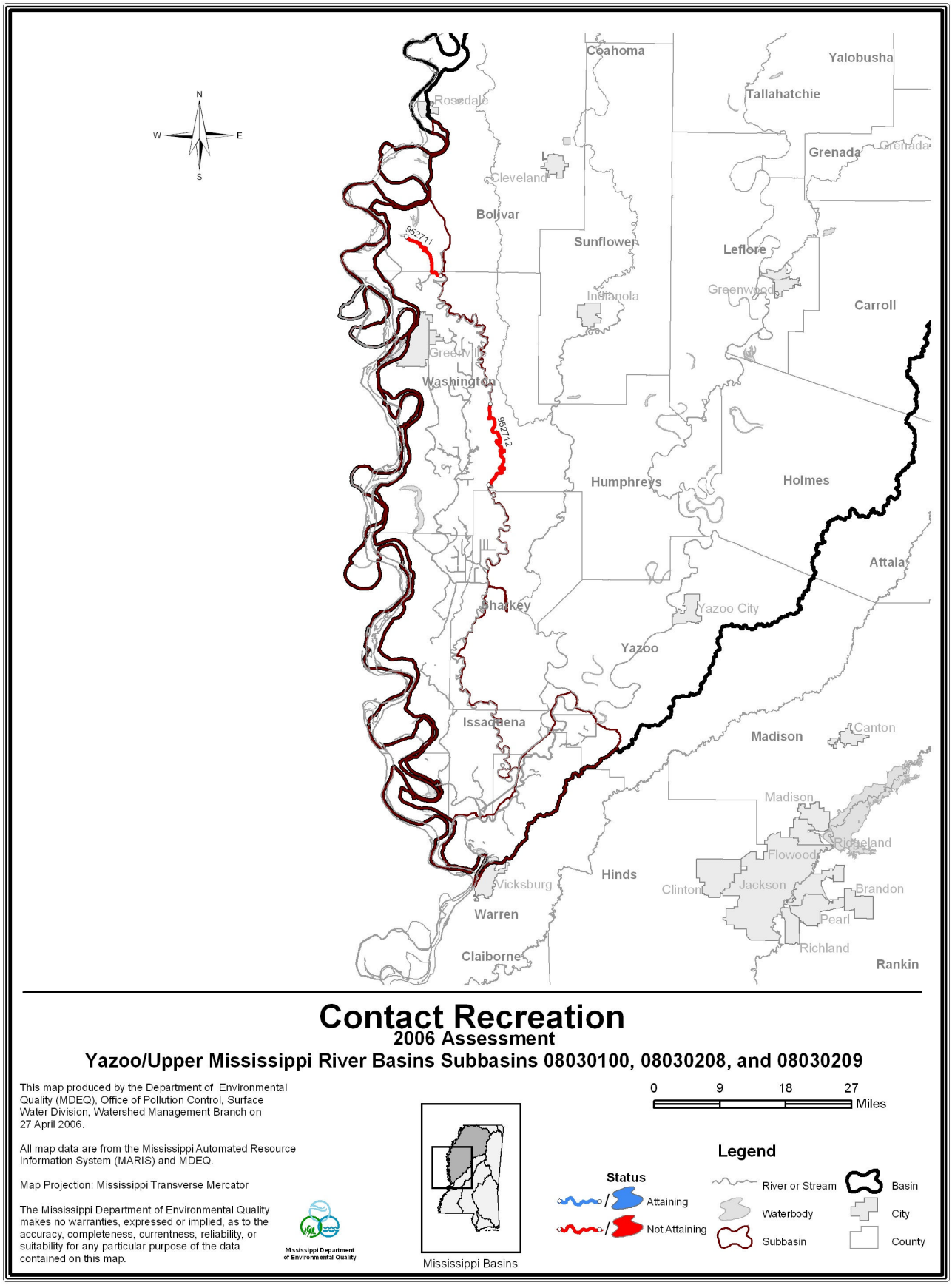


Figure 108: Contact Recreation Use Support Map-Lower Yazoo River Basin

Fish Consumption Use Support

Data collected and analyzed as part of MDEQ's fish tissue monitoring program were used to make the Fish Consumption Use Support assessments. Currently, fish consumption advisories are present on seven specific water bodies in the Yazoo River Basin. Waters covered by these advisories include Lake Susie, Enid Reservoir, Grenada Lake, Roebuck Lake, Yazoo National Wildlife Refuge waters, and portions of Yalobusha and Yocona Rivers. A fish consumption advisory related to DDT and toxaphene is present on all waters in the Mississippi Delta (Figure108). However, this advisory does not affect waters inside the mainline levee system of the Mississippi River. Approximately 153 miles of perennial rivers and streams are not attaining their fish consumption use and are considered impaired. These impairments are attributed to the presence of mercury, PCB's, DDT, and toxaphene in fish tissue. For more information on fish advisories, refer to Part III, Public Health Concerns and Advisories, of the 2006 §305(b) report.

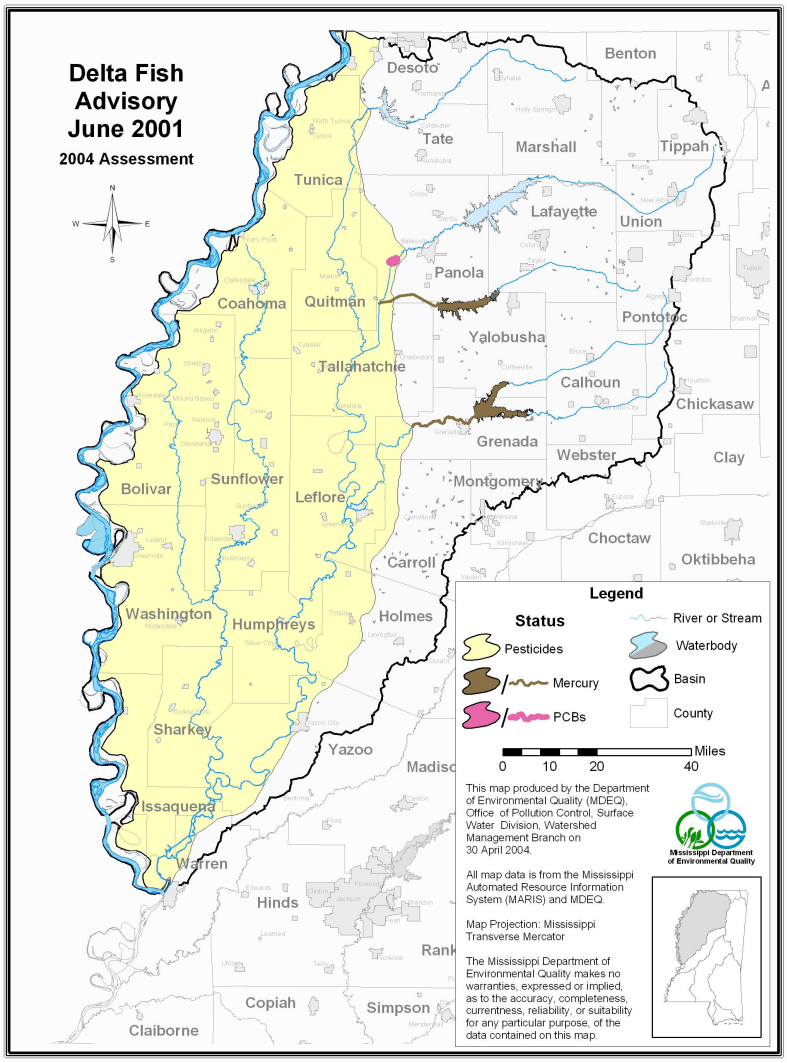


Figure 109: Advisory area for the Delta Region of Mississippi

Table 13: 2006 §305(b) Assessed Water Bodies- Yazoo River Basin

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
ABIACA CREEK	919711	MS357E	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9198				
ABIACA CREEK	919811	MS357E	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM 9197 MWS BOUNDARY TO CONFLUENCE WITH COILA CREEK				
ABIACA CREEK	920011	MS357E	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM CONFLUENCE OF COILA CREEK TO MWS BOUNDARY 9201				
ABIACA CREEK	920111	MS355M1	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM MWS 9200 BOUNDARY TO MOUTH AT MATHEWS BRAKE				
ARKABUTLA CREEK	912111	MS316E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9122				
ARKABUTLA CREEK	912211	MS316E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9121 TO MWS BOUNDARY 9123				
ARKABUTLA CREEK	912311	MS316E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9122 TO MWS BOUNDARY 9124				
ARKABUTLA CREEK	912411	MS316E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9123 TO MOUTH AT COLDWATER RIVER				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
ARKABUTLA LAKE LOCATION: NEAR COLDWATER	911013	N/A	Aquatic Life Support	Attaining
ARKABUTLA LAKE LOCATION: NEAR COLDWATER	911111	N/A	Aquatic Life Support	Attaining
ARKABUTLA LAKE LOCATION: NEAR COLDWATER	911512	N/A	Aquatic Life Support	Attaining
ARKABUTLA LAKE LOCATION: NEAR COLDWATER	911412	N/A	Aquatic Life Support	Attaining
ASCALAMORE CREEK LOCATION: FROM HEADWATERS TO CONFLUENCE OF SHOOK CREEK	918411	MS347E	Aquatic Life Support	Not Attaining
BATUPAN BOGUE LOCATION: FROM CONFLUENCE WITH LITTLE BOGUE TO WATERSHED 9175 BOUNDARY	917411	MS340E	Aquatic Life Support	Attaining
BATUPAN BOGUE LOCATION: FROM WATERSHED 9174 BOUNDARY TO CONFLUENCE WITH YALOBUSHA RIVER	917511	MS340E	Aquatic Life Support	Attaining
BEE LAKE LOCATION: IN HOLMES COUNTY NEAR YAZOO RIVER	920811	N/A	Aquatic Life Support	Attaining

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
BERRY BRANCH	904312	MS256B	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT TOBY TUBBY CREEK				
BEULAH LAKE	990411	N/A	Aquatic Life Support	Attaining
LOCATION: NEAR BEULAH				
BIG BOGUE	917311	MS340BB	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9174				
BIG BOGUE	917412	MS340BB	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9173 TO MOUTH AT BATUPAN BOGUE				
BIG SAND CREEK	918711	MS353BE	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9188				
BIG SAND CREEK	918811	MS353BE	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9187 TO MWS BOUNDARY 9189				
BIG SAND CREEK	918911	MS353BE	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9188 TO MWS BOUNDARY 9190				
BIG SPRING CREEK	903511	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9036				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
BIG SPRING CREEK	903611	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS BOUNDARY 9035 TO MOUTH AT LITTLE TALLAHATCHIE RIVER				
BIG SUNFLOWER RIVER	950911	MSBIGSUNRM	Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO 9510 MWS BOUNDARY				
BIG SUNFLOWER RIVER	951011	951011	Secondary Contact	Not Attaining
LOCATION: FROM HOPSON TO CONFLUENCE WITH BLACK BAYOU				
BIG SUNFLOWER RIVER	951013	MSBIGSUNRM	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM MWS 9509 TO HOPSON				
BIG SUNFLOWER RIVER	952311	MSBIGSUNRE	Secondary Contact	Attaining
LOCATION: FROM 9517 MWS BOUNDARY TO CONFLUENCE WITH BOGUE PHALIA				
BIG SUNFLOWER RIVER	951711	MSBIGSUNRE	Secondary Contact	Attaining
LOCATION: FROM 9513 MWS BOUNDARY TO 9523 BOUNDARY				
BIG SUNFLOWER RIVER	951312	MSBIGSUNRM 2	Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUNCE WITH JONES BAYOU TO CONFLUENCE WITH PORTER BAYOU				
BIG SUNFLOWER RIVER	951311	MSBIGSUNRM 3	Secondary Contact	Attaining
LOCATION: FROM CONFLUENCE WITH PORTER BAYOU TO MWYS 9513 BOUNDARY				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
BLACK CREEK	921211	MS362M1	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM 9217 MWS BOUNDARY TO MOUTH AT BLISSDALE SWAMP				
BLACK CREEK	921511	MS359M3	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 9214 TO CONFLUENCE WITH SHIPP CREEK				
BLACK CREEK	921411	MS359M	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO MWS 9215 BOUNDARY				
BLACK CREEK	921713	MS359M3	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM MWS 9215 BOUNDARY TO CONFLUENCE OF HARLAND CREEK				
BLACK CREEK	921711	MS362M1	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: NEAR LEXINGTON FROM CONFLUENCE WITH HARLAND CREEK TO MWS BOUNDARY 9212				
BLACK CREEK	921512	MS359M	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM CONFLUENCE WITH SHIPP CREEK TO MWS 9214				
BLACKWATER CREEK	904111	MS255E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT SARDIS LAKE				
BLISS CREEK	923411	MS400B	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT YAZOO RIVER				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
BOPHUMPA CREEK	921011	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MWS 9211 BOUNDARY CONFLUENCE WITH FANNEGUSHA CREEK				
BUNTYN CREEK	906111	MS271E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO LAKE MARTHA				
BURNEY BRANCH	907313	MS284E1	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT YOCONA RIVER				
BUTPUTTER CREEK	914511	MS330BE	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT GRENADA LAKE				
BYNUM CREEK	907611	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS BOUNDARY 9077 TO MOUTH AT ENID LAKE				
BYNUM CREEK	907711	MS290E	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT ENID LAKE				
CAMP CREEK	909414	MS299E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9095				
CAMP CREEK	909511	MS299E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9094				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
CANE CREEK	900311	MS224E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO CONFLUENE WITH LITTLE TALLAHATCHIE RIVER				
CANE CREEK	916811	MS339M3	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT YALOBUSHA RIVER				
CASSIDY BAYOU	950312	MS275E	Secondary Contact	Not Attaining
LOCATION: NR TUTWILLER FROM CONFLUENCE OF MELANCHOLY BAYOU TO CONFLUENCE OF UNNAMED TRIB NR TALLAHATCHIE CO LINE				
CASSIDY BAYOU	950313	MS274E	Secondary Contact	Not Attaining
LOCATION: NR TUTWILLER FROM 9127 MWS BOUNDARY TO CONFLUENCE OF MELANCHOLY BAYOU				
CHERRY CREEK	901212	MS234E	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT LAPATUBBY CREEK				
CHOTARD LAKE	990811	N/A	Aquatic Life Support	Attaining
LOCATION: ISSAQUENA COUNTY NEAR WARREN COUNTY LINE				
CLARK CREEK	914513	MS331CE	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT GRENADA LAKE				
CLEAR CREEK	904611	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE OF HUDSON CREEK				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
COILA CREEK	919911	MS357M4	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: AT SEVEN PINES FROM LAKE DAM SOUTHEAST GRAVEL HILL TO MWS BOUNDARY 9200				
COILA CREEK	920012	MS357M4	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 9199 TO MOUTH AT ABIACA CREEK				
COLDWATER RIVER	908811	MS269E	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9089				
COLDWATER RIVER	908911	MS269E	Aquatic Life Support	Attaining
LOCATION: FROM MWS BOUNDARY 9088 TO MWS BOUNDARY 9090				
COLDWATER RIVER	909011	MS269E	Aquatic Life Support	Attaining
LOCATION: FROM MWS BOUNDARY 9089 TO MWS BOUNDARY 9091				
COLDWATER RIVER	909111	MS269E	Aquatic Life Support	Attaining
LOCATION: FROM MWS BOUNDARY 9090 TO MWS BOUNDARY 9092				
COLDWATER RIVER	909311	MS269E	Aquatic Life Support	Attaining
LOCATION: FROM MWS BOUNDARY 9092 TO MWS BOUNDARY 9094				
COLDWATER RIVER	909412	MS269E	Aquatic Life Support	Attaining
LOCATION: FROM MWS BOUNDARY 9093 TO CONFLUENCE OF CAMP CREEK CANAL				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
COLDWATER RIVER	912714	MSCOLDR2E	Secondary Contact	Attaining
LOCATION: FROM NORTH SPLIT WITH POMPEY DITCH TO MWS 9117				
COLDWATER RIVER	912712	MSCOLDR1E	Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE OF POMPEY DITCH TO CONFLUENCE OF UNNAMED TRIBUTARY AT MARKS POTW				
COLDWATER RIVER	912711	MSCOLDR1E	Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM UNNAMED TRIBUTARY AT MARKS POTW TO MOUTH AT OLD LITTLE TALLAHATCHIE RIVER				
COLDWATER RIVER	911711	MSCOLDR2E	Secondary Contact	Attaining
LOCATION: FROM 9116 MWS BOUNDARY TO CONFLUENCE WITH ARKABUTLA CREEK				
COLDWATER RIVER	911611	MSCOLDR2E	Secondary Contact	Attaining
LOCATION: FROM ARKABUTLA LAKE OUTFALL TO MWS 9117 BOUNDARY				
COLDWATER RIVER	911011	MSYZ303R00-010	Secondary Contact	Attaining
LOCATION: FROM 9097 MWS BOUNDARY TO ARKABUTLA LAKE				
COLDWATER RIVER	909711	MSYZ303R00-010	Secondary Contact	Attaining
LOCATION: FROM 9094 MWS BOUNDARY TO 9110 MWS BOUNDARY				
COLDWATER RIVER	909411	MSYZ303R	Secondary Contact	Attaining
LOCATION: FROM CAMP CREEK TO 9097 MWS BOUNDARY				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
COLDWATER RIVER	909211	MS269E	Aquatic Life Support	Attaining
LOCATION: FROM MWS BOUNDARY 9091 TO MWS BOUNDARY 9093				
COURTNEY CREEK	907312	MS285CE	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT YOCONA RIVER				
COWPEN CREEK	914512	MS331C	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT GRENADA LAKE				
COWPEN CREEK	915312	MS334CE	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT SKUNA RIVER				
CYPRESS CREEK	901912	MS242CE	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9021 TO MOUTH AT LITTLE TALLAHATCHIE RIVER				
CYPRESS CREEK	902111	902111	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9020 TO MWS BOUNDARY 9019				
CYPRESS CREEK	902011	MS242CE	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9021				
DAVIS CREEK	907512	MS287E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT YOCONA RIVER				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
DEER CREEK LOCATION: FROM ARCOLA TO PERCY	952712	MS403M6	Fish Consumption Secondary Contact	Not Attaining, TMDL Completed Not Attaining, TMDL Completed
DEER CREEK DA LOCATION: FROM BOLIVAR LAKE TO CONFLUENCE W/DEER CREEK NEAR 9519 MWS BOUNDARY	952711	MS402E	Secondary Contact	Not Attaining, TMDL Completed
DESOTO LAKE LOCATION: IN COAHOMA CO NEAR MS RIVER	990311	N/A	Aquatic Life Support	Attaining
DUNCANS CREEK LOCATION: FROM HEADWATERS TO MOUTH AT CANE CREEK	901511	MS237E	Aquatic Life Support	Not Attaining
EAGLE LAKE LOCATION: IN WARREN COUNTY NE OF VICKSBURG	953312	N/A	Aquatic Life Support	Attaining
ENID LAKE LOCATION: LAKE FROM HEADWATERS TO MWS BOUNDARY 9076	907513	MS288ELM	Aquatic Life Support Fish Consumption	Attaining Not Attaining, TMDL Completed
ENID LAKE LOCATION: LAKE FROM MWS BOUNDARY 9075 TO MWS BOUNDARY 9078	907612	MS288ELM	Aquatic Life Support Fish Consumption	Attaining Not Attaining, TMDL Completed
ENID LAKE LOCATION: LAKE FROM MWS BOUNDARY 9078 TO DAM	907911	MS288ELM	Aquatic Life Support Fish Consumption	Attaining Not Attaining, TMDL Completed

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
ENID LAKE	907811	MS288ELM	Aquatic Life Support	Attaining
			Fish Consumption	Not Attaining, TMDL Completed
LOCATION: LAKE FROM MWS BOUNDARY 9076 TO MWS BOUNDARY 9079				
FANNEGUSHA CREEK	920911	MS359M4	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS AT CARROLL/HOLMES COUNTY LINE TO MWS BOUNDARY 9211				
FANNEGUSHA CREEK	921111	MS359M4	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9209 TO MWS BOUNDARY 9212				
GOODWIN CREEK	907413	MS285GE	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT YOCONA RIVER				
GRAHAM MILL CREEK	903812	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT LEE CREEK				
GREASY CREEK	904511	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT SARDIS LAKE				
GRENADA LAKE	914514	MS327E	Aquatic Life Support	Attaining
			Fish Consumption	Not Attaining
LOCATION: LAKE IN MWS BOUNDARY 9145				
GRENADA LAKE	916312	MS327E	Aquatic Life Support	Attaining
			Fish Consumption	Not Attaining
LOCATION: LAKE IN MWS BOUNDARY 9163				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
GRENADA LAKE LOCATION: LAKE IN MWS BOUNDARY 9162	916212	MS327E	Aquatic Life Support Fish Consumption	Attaining Not Attaining
GRENADA LAKE LOCATION: LAKE IN MWS BOUNDARY 9158	915811	MS327E	Aquatic Life Support Fish Consumption	Attaining Not Attaining
GRENADA LAKE LOCATION: LAKE IN MWS BOUNDARY 9147	914712	MS327E	Aquatic Life Support Fish Consumption	Attaining Not Attaining
GRENADA LAKE LOCATION: LAKE IN MWS BOUNDARY 9146	914611	MS327E	Aquatic Life Support Fish Consumption	Attaining Not Attaining
HARD CASH LOCATION: NR SILVER CITY	952411	N/A	Aquatic Life Support	Attaining
HARD CASH LAKE LOCATION: NR SILVER CITY	950714	N/A	Aquatic Life Support	Attaining
HARLAND CREEK LOCATION: FROM MWS BOUNDARY 9218 TO MOUTH AT BLACK CREEK	921712	MS359M2	Aquatic Life Support Secondary Contact	Attaining Attaining
HARLAND CREEK LOCATION: FROM CONFLUENCE WITH SUGAR CREEK TO 9217 MWS BOUNDARY	921811	MS359M2	Aquatic Life Support Secondary Contact	Attaining Attaining

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
HICKAHALA CREEK	910411	MS305E	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO MWS 9104 BOUNDARY				
HICKAHALA CREEK	911012	MS303M4	Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM 9109 MWS BOUNDARY TO MOUTH AT ARKABUTLA RES.				
HICKAHALA CREEK	910511	MS305E	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM 9104 MWS BOUNDARY TO CONFLUENCE WITH SENATOBIA CANAL				
HOKE CREEK	904512	MS260HE	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT SARDIS LAKE				
HORSEPEN CREEK	914312	MS329E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT SHABOUGLA CREEK CANAL				
HORSESHOE LAKE	920211	N/A	Aquatic Life Support	Attaining
LOCATION: NEAR TCHULA				
HOTOPHIA CREEK	904911	MS262E	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE W/ LITTLE TALLAHATCHIE RIVER				
HUBBARD CREEK	918111	MS345HE	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO SOUTH LAKE BAYOU				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
HUDSON CREEK	904612	904612	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT CLEAR CREEK				
HUMPHREYS CREEK	907414	MS285HE	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT YOCONA RIVER				
HURRICANE CREEK	904211	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT SARDIS LAKE				
HURRICANE CREEK	911211	MS307E	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9113				
HURRICANE CREEK	911311	MS303M1	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM 11 DIGIT WATERSHED BOUNDARY 307 TO MWS BOUNDARY 9114				
HURRICANE CREEK	911411	MS303M1	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 9113 TO MOUTH AT ARKABUTLA LAKE				
HURRICANE CREEK	911312	MS307E	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 9112 TO 11 DIGIT WATERSHED BOUNDARY 307				
JAMES WOLF CREEK	910512	MS305M1	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM 9106 MWS BOUNDARY TO MOUTH AT HICKAHALA CREEK				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
JAMES WOLF CREEK	910611	MS305M1	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO 9106 MWS BOUNDARY				
JASPER CREEK	900511	900511	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT LITTLE TALLAHATCHIE RIVER				
JOHNSON COLES CREEK	914411	MS331E	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT YALOBUSHA RIVER				
JOHNSON CREEK	911811	MS311E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9119				
JOHNSON CREEK	911912	MS311E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9118 TO MOUTH AT LAKE CORMORANT BAYOU				
LAKE FERGURSON	990612	N/A	Aquatic Life Support	Attaining
LOCATION: NEAR GREENVILLE				
LAKE WHITTINGTON	990611	N/A	Aquatic Life Support	Attaining
LOCATION: NEAR BENOIT				
LAPATUBBY CREEK	901211	MS233E	Aquatic Life Support	Not Attaining
LOCATION: FROM 11 DIGIT WATERSHED 232 TO MWS BOUNDARY 9013				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
LAPATUBBY CREEK	901311	MS233E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9012 TO MOUTH AT LITTLE TALLAHATCHIE RIVER				
LAPATUBBY CREEK	901213	MS232E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9011 TO CONFLUENCE OF FIRST UNNAMED TRIB				
LAPPATUBBY CREEK	901112	MS232E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9012				
LEE CREEK	903811	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT LITTLE TALLAHATCHIE RIVER				
LEE LAKE	990711	N/A	Aquatic Life Support	Attaining
LOCATION: IN WASHINGTON COUNTY NEAR MS RIVER				
LITTLE BOGUE	916911	MS340LB	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9170				
LITTLE BOGUE	917011	MS340LB	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9169 TO MWS BOUNDARY 9171				
LITTLE BOGUE	917111	MS340LB	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9170 TO MOUTH AT BATUPAN BAYOU				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
LITTLE MUD CREEK	900413	MS231E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH LITTLE TALLAHATCHIE RIVER				
LITTLE SPRING CREEK	903711	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT LITTLE TALLAHATCHIE RIVER				
LITTLE TALLAHATCHIE RIVER	900111	MS220E	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO 9002 MWS				
LITTLE TALLAHATCHIE RIVER	900411	MS228M	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE OF LAPATUBBY CREEK TO CONFLUENCE OF MUD CREEK				
LITTLE TALLAHATCHIE RIVER	900412	MS221E	Aquatic Life Support	Not Attaining
LOCATION: FROM CONFLUENCE OF CANE CREEK TO THE CONFLUENCE OF KING CREEK				
LITTLE TALLAHATCHIE RIVER	904711	MS261E	Primary Contact (Recr)	Attaining
LOCATION: FROM SARDIS LOWER LAKE OUTFALL TO MWS 9048 BOUNDARY				
LITTLE TALLAHATCHIE RIVER	905011	MS261E	Primary Contact (Recr)	Attaining
LOCATION: FROM 9048 MWS BOUNDARYTO CONFLUENCE WITH MC IVOR CANAL				
LITTLE TALLAHATCHIE RIVER	904811	MS261E	Primary Contact (Recr)	Attaining
LOCATION: FROM 9047 MWS BOUNDARY TO 9050 MWS BOUNDARY				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
LITTLE TALLAHATCHIE RIVER	900212	MS220E	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM MWS BOUNDARY 9001 TO CONFLUENCE OF HALL BRANCH				
LITTLE TALLAHATCHIE RIVER	901711	MS228M	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM CONFLUENCE WITH MUD CREEK TO MWS BOUNDARY 9019				
LITTLE TALLAHATCHIE RIVER	901911	MS228M	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 9017 TO CONFLUENCE WITH FICE CREEK				
LITTLE TALLAHATCHIE RIVER	900211	MS221E	Aquatic Life Support	Not Attaining
LOCATION: FROM CONFLUENCE OF HALL BRANCH TO CONFLUENCE OF CANE CREEK				
LITTLE TOPASHAW CREEK	913712	MS326L	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT TOPASHAW CREEK				
LOCKES CREEK	901811	MS239E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT LITTLE TALLAHATCHIE RIVER				
LONG CREEK	908511	MS294E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9086				
LONG CREEK	908611	MS294E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9085 TO MWS BOUNDARY 9087				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
LONG CREEK	908711	MS294E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9086 TO MOUTH AT YOCONA RIVER				
LOWER CASSIDY BAYOU	950311	MS277E	Fish Consumption	Not Attaining, TMDL Completed
			Secondary Contact	Attaining
LOCATION: FROM CONFLUENCE WITH UNNAMED TRIBUTARY TO CONFLUENCE WITH TALLAHATCHIE NEAR TALLAHATCHIE COUNTY LINE				
LUCKNUCK CREEK	915111	MS334E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9152				
LUCKNUCK CREEK	915213	MS334E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9151 TO MOUTH AT SKUNA RIVER				
LYON CREK	901111	MS232L	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE WITH LAPATUBBY CREEK				
MCIVOR CANAL	905611	MS263E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9057				
MCIVOR CANAL	905711	MS263E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9056 TO MWS BOUNDARY 9058				
MCIVOR CANAL	905811	MS263E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9057 TO MOUTH AT LITTLE TALLAHATCHIE RIVER				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
MILL CREEK	902211	MS243E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO SARDIS LAKE FLOOD POOL				
MITCHELL CREEK	901712	MS240E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT LITTLE TALLAHATCHIE RIVER				
MOON LAKE	950611	N/A	Aquatic Life Support	Attaining
LOCATION: IN COAHOMA COUNTY NEAR LULA				
MUD CREEK	901411	MS236E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO CONFLUENCE OF CANE CREEK				
MUSSACUNA CREEK	911511	MS306M	Aquatic Life Support	Not Attaining
LOCATION: FROM HERNANDO SOUTH POTW TO MOUTH AT ARKABUTLA LAKE				
NELSON CREEK	904411	MS260E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT SARDIS LAKE				
NORTH FORK TILLATOBA CREEK	906611	MS273E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT TILLATOBA CREEK				
O'NEIL CREEK	922911	MS369E	Aquatic Life Support	Not Attaining
LOCATION: FROM CONFLUENCE OF PERRY CREEK TO MOUTH AT YAZOO RIVER				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
OAK CHEWALLA CREEK	903911	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT LITTLE TALLAHATCHIE RIVER				
OAKLIMITER CREEK	903111	MS247OE	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT TIPPAH RIVER				
OKACHICKIMA CREEK	916211	MS338K	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT TURKEY CREEK				
OLD LITTLE TALLAHATCHIE RIVER	905411	MS267M	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM STATE HWY 6 NEAR BATESVILLE TO THE SOUTH PANOLA COUNTY LINE				
OPPOSSUM BAYOU DA	950211	MS269E	Secondary Contact	Attaining
LOCATION: FROM HEADWATERS NEAR LAMBERT TO CONFLUENCE W/ TALLAHATCHIE RIVER				
ORGAN CREEK	916311	MS338E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO GRENADA RESEVOIR FLOOD POOL				
OTOUCALOFA CREEK	908011	MS289OE	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO 9081 MWS BOUNDARY				
OTOUCALOFA CREEK	908111	MS289OE	Aquatic Life Support	Attaining
			Secondary Contact	Attaining
LOCATION: FROM 9080 MWS BOUNDARY TO CONFLUENCE WITH MOORE CREEK				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
OTOUCHALOFA CREEK	908211	MS289OE	Aquatic Life Support	Attaining
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: 9081 MWS BOUNDARY AT MOORE CREEK TO CONFLUENCE WITH TOWN CREEK				
PELUCIA CREEK	919211	MS356E	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9193				
PELUCIA CREEK	919311	MS356E	Aquatic Life Support	Attaining
LOCATION: FROM MWS BOUNDARY 9192 TO MWS BOUNDARY 9194				
PERRY CREEK	922912	922912	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT O'NEIL CREEK				
PERSIMMON CREEK DA	915412	MS335E	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM 9155 MWS TO CONFLUENCE W/ SKUNA RIVER				
PERSIMMON CREEK DA	915511	MS335E	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM HEADWATERS TO 9154 MWS				
PIGEON ROOST CREEK	909415	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS BOUNDARY 9103 TO MOUTH AT COLDWATER RIVER				
PIGEON ROOST CREEK	909911	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS BOUNDARY 9098 TO MWS BOUNDARY 9102				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
PIGEON ROOST CREEK LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9099	909811	N/A	Aquatic Life Support	Attaining
PIGEON ROOST CREEK LOCATION: FROM MWS BOUNDARY 9099 TO MWS BOUNDARY 9094	910211	N/A	Aquatic Life Support	Attaining
PINEY CREEK LOCATION: FROM HEADWATERS TO 9224 MWS	922311	MS366E	Aquatic Life Support Secondary Contact	Not Attaining Not Attaining
PINEY CREEK LOCATION: FROM 9223 MWS TO CONFLUENCE W/ YAZOO RIVER	922411	MS366E	Aquatic Life Support Secondary Contact	Not Attaining Not Attaining
POMPEY DITCH LOCATION: FROM NORTH SPLIT WITH COLDWATER RIVER TO MOUTH AT COLDWATER RIVER NEAR DARLING	912713	MSPOMPEYE	Secondary Contact	Attaining
POTACOCOWA CREEK LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9178	917711	MS351E	Aquatic Life Support	Not Attaining
POTACOCOWA CREEK LOCATION: FROM MWS BOUNDARY 9177 TO MOUTH AT YALOBUSHA RIVER	917811	MS351E	Aquatic Life Support	Not Attaining
PUSKUS CREEK LOCATION: FROM HEADWATERS TO PUSKUS LAKE	902112	N/A	Aquatic Life Support	Attaining

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
RED BANKS CREEK	910111	MS297M	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9102				
RED BANKS CREEK	910212	MS297M	Aquatic Life Support	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 9101 TO MOUTH AT PIGEON ROOST CREEK				
REDGRASS CREEK	914711	MS330RE	Aquatic Life Support	Not Attaining
			Secondary Contact	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT GRENADA LAKE				
RIVERDALE CREEK	916511	MS341E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT YALOBUSHA RIVER				
ROCK CREEK	911612	MS310E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT COLDWATER RIVER				
ROEBUCK LAKE	919112	MS354RLE	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: OXBOW LAKE AT ITTA BENA				
SABOUGLA CREEK CANAL	914111	MS328E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9142				
SABOUGLA CREEK CANAL	914211	MS328E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS 9141 BOUNDARY TO MWS 9143 BOUNDARY				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
SABOUGLA CREEK CANAL LOCATION: FROM MWS BOUNDARY 9142 TO CONFLUENCE WITH HORSEPEN CREEK	914311	MS328E	Aquatic Life Support	Not Attaining
SARDIS LAKE LOCATION: NEAR OXFORD	903411	N/A	Aquatic Life Support	Attaining
SARDIS LAKE LOCATION: NEAR OXFORD	904613	N/A	Aquatic Life Support	Attaining
SARDIS LAKE LOCATION: NEAR OXFORD	904513	N/A	Aquatic Life Support	Attaining
SARDIS LAKE LOCATION: NEAR OXFORD	904412	N/A	Aquatic Life Support	Attaining
SARDIS LAKE LOCATION: NEAR OXFORD	904313	N/A	Aquatic Life Support	Attaining
SARDIS LAKE LOCATION: NEAR OXFORD	904011	N/A	Aquatic Life Support	Attaining
SARDIS LAKE LOCATION: NEAR OXFORD	904212	N/A	Aquatic Life Support	Attaining

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
SENATOBIA CREEK	910711	MS304M1	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Attaining
LOCATION: FROM HEADWATERS TO THE CONFLUENCE WITH MATTIC CREEK				
SENATOBIA CREEK	910911	MS304M2	Aquatic Life Support	Not Attaining, TMDL Completed
			Secondary Contact	Not Attaining, TMDL Completed
LOCATION: CONFLUENCE WITH MATTIC CREEK TO MOUTH AT HICKAHALA CREEK				
SHELBY CREEK	902612	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS BOUNDARY 9027 TO MOUTH AT TIPPAH RIVER				
SHELBY CREEK	902711	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9026				
SHELTON CREEK	908411	MS292U	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT YOCONA RIVER				
SHORT CREEK	922711	MS368E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT YAZOO RIVER				
SHORT FORK CREEK	909413	MS301E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT COLDWATER RIVER				
SKUNA RIVER	914811	MS332S	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9149				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
SKUNA RIVER	914911	MS332S	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9148 TO MWS BOUNDARY 9150				
SKUNA RIVER	915011	MS332S	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9149 TO MWS BOUNDARY 9152				
SKUNA RIVER	915211	MS333USE	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM CONFLUENCE KITTAHUTTY CREEK TO 9153 MWS BOUNDARY				
SKUNA RIVER	915311	MS333USE	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM 9152 MWS BOUNDARY TO 9154 MWS BOUNDARY				
SKUNA RIVER	915413	MS333LSE	Fish Consumption	Not Attaining
LOCATION: AT BRUCE FROM PERSIMMON CREEK TO MWS BOUNDARY 9156				
SKUNA RIVER	915611	MS333LSE	Fish Consumption	Not Attaining
LOCATION: FROM MWS BOUNDARY 9154 TO GRENADA LAKE FLOOD POOL				
SKUNA RIVER	915411	MS333USE	Aquatic Life Support	Not Attaining
			Secondary Contact	Attaining
LOCATION: FROM 9153 MWS BOUNDARY TO CONFLUENCE OF PERSIMMON CREEK				
SKUNA RIVER	915212	MS332S	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9150 TO CONFLUENCE OF KITTAHUTTY CREEK				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
SPLINTER CREEK	907412	N/A	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT YOCONA RIVER				
SPRING BRANCH	920511	MS360E2	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT MILLSTONE BAYOU				
STEELE BAYOU	923412	MS407S	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 9533 TO MOUTH AT YAZOO RIVER				
STEELE BAYOU	953311	MS407S	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 9532 TO MWS BOUNDARY 9234				
STRAYHORN CREEK	912511	MS317E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9126				
STRAYHORN CREEK	912611	MS317E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9125 TO MOUTH AT ARKABUTLA CREEK				
TALLAHATCHIE RIVER	950111	MSTALARE	Secondary Contact	Attaining
LOCATION: FROM 9061 MWS BOUNDARY TO CONFLUENCE OF YALOBUSHA RIVER AT GREENWOOD				
TESHEVA CREEK	922011	MS364E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9221				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
TESHEVA CREEK	922111	MS364E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9220 TO HOLMES/YAZOO COUNTY LINE				
THOMPSON CREEK	922811	MS369M3	Aquatic Life Support	Attaining
LOCATION: FROM HEADWATERS TO MOUTH AT PERRY CREEK				
TILLATOBA CREEK	906211	MS272E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9065				
TILLATOBA CREEK	906511	MS272E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9062 TO CONFLUENCE OF NORTH FORK TILLATOBA CREEK				
TIPPAH RIVER	902611	MS246E	Aquatic Life Support	Not Attaining
LOCATION: FROM CONFLUENCE OF CURTIS CREEK TO MWS BOUNDARY 9029				
TIPPAH RIVER	902911	MS246E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9026 TO CONFLUENCE OF OAKLIMITER CREEK				
TOBY TUBBY CREEK	904311	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE OF BERRY BRANCH TO MOUTH AT SARDIS LAKE				
TOPASHAW CREEK	913611	MS325TE	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9138 TO MOUTH AT YALOBUSHA RIVER				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
TOPASHAW CREEK LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9138	913711	MS325TE	Aquatic Life Support	Not Attaining
TOPASHAW CREEK LOCATION: FROM MWS BOUNDARY 9137 TO MWS BOUNDARY 9136	913811	MS325TE	Aquatic Life Support	Not Attaining
TOWN CREEK LOCATION: FROM HEADWATERS TO MOUTH AT OTOUCALOFA CR IN WATER VALLEY	908212	MS289TE	Aquatic Life Support Secondary Contact	Not Attaining Not Attaining, TMDL Completed
TURKEY CREEK DA LOCATION: FROM HEADWATERS TO 9160 MWS	915911	MS336TE	Aquatic Life Support Secondary Contact	Attaining Not Attaining
TURKEY CREEK DA LOCATION: FROM 9159 MWS BOUNDARY TO 9162 MWS BOUNDARY	916011	MS336TE	Aquatic Life Support Secondary Contact	Attaining Not Attaining
TURKEY CREEK DA LOCATION: FROM 9160 MWS BOUNDARY TO GRENADA LAKE	916213	MS336TE	Aquatic Life Support Secondary Contact	Attaining Not Attaining
UNNAMED TRIB TO HURRICANE CREEK LOCATION: FROM HEADWATERS TO MOUTH AT UNNAMED TRIB MS308M	911313	MS308E	Aquatic Life Support	Not Attaining
UNNAMED TRIB TO YOCONA RIVER LOCATION: FROM HEADWATERS TO MOUTH AT YOCONA RIVER	908412	MSYZ292R00_040	Aquatic Life Support	Not Attaining

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
UNNAMED TRIBUTARY TO SPRING BRANCH LOCATION: FROM HEADWATERS TO MOUTH AT SPRING BRANCH	920512	MS360E1	Aquatic Life Support	Not Attaining
UNNAMED TRIBUTARY TO LITTLE TALLAHATCHIE RIVER LOCATION: FROM HEADWATERS TO MOUTH AT LITTLE TALLAHATCHIE RIVER	901713	MS241U	Aquatic Life Support	Not Attaining
WASP LAKE LOCATION: NEAR BELZONI	950713	N/A	Aquatic Life Support	Attaining
WHITES CREEK LOCATION: FROM HEADWATERS TO MOUTH AT LAKE CORMORANT BAYOU	911911	MS311WE	Aquatic Life Support	Not Attaining
WOLF/BROAD LAKE LOCATION: OXBOW LAKE NEAR LAKE CITY	950811	MS363WLM	Aquatic Life Support Fish Consumption	Attaining Not Attaining, TMDL Completed
YALOBUSHA RIVER LOCATION: FROM RACEWAY BELOW GRENADA LAKE TO CONFLUENCE WITH RIVERDALE CREEK	916411	MSYLBUSHE	Fish Consumption Secondary Contact	Not Attaining Attaining
YALOBUSHA RIVER LOCATION: FROM CONFLUENCE OF RIVERDALE CREEK AT GRENADA POTW OUTFALL TO CONFLUENCE OF PURDIE CREEK	916412	MSYLBUSHM1	Fish Consumption	Not Attaining
YAZOO RIVER LOCATION: FROM CONFLUENCE OF TALLAHATCHIE AND YALOBUSHA RIVERS TO MWS BOUNDARY 9191	919111	MSYAZ3RM1	Fish Consumption Secondary Contact	Not Attaining, TMDL Completed Attaining

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
YAZOO RIVER	950711	MSYAZR3E	Secondary Contact	Attaining
LOCATION: FROM CONFLUENCE WITH SNAKE CREEK TO CONFLUENCE WITH NORTH END OF LOWER AUXILIARY CANAL				
YAZOO RIVER	950712	MSYAZR3M1	Fish Consumption	Not Attaining, TMDL Completed
			Secondary Contact	Attaining
LOCATION: FROM MWS BOUNDARY 9195 TO BELZONI				
YAZOO RIVER	919511	MSYAZR3M1	Fish Consumption	Not Attaining, TMDL Completed
			Secondary Contact	Attaining
LOCATION: FROM MWS BOUNDARY 9191 TO MWS BOUNDARY 9507				
YOCONA RIVER	906711	MS279E	Aquatic Life Support	Not Attaining
LOCATION: FROM HEADWATERS TO MWS BOUNDARY 9068				
YOCONA RIVER	906811	MS279E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9067 TO MWS BOUNDARY 9069				
YOCONA RIVER	906911	MS279E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9068 TO MWS BOUNDARY 9069				
YOCONA RIVER	907311	N/A	Aquatic Life Support	Attaining
LOCATION: FROM CONFLUENCE OF BURNEY BRANCH TO MWS BOUNDARY 9074				
YOCONA RIVER	907511	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS BOUNDARY 9074 TO CONFLUENCE OF DAVIS CREEK				

YAZOO RIVER				
WATER BODY NAME	**ASSESSMENT UNIT**	**§ 303(d) ID**	**USE**	**ASSESSMENT STATUS**
YOCONA RIVER	908413	MSYOCRM	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM MWS BOUNDARY 9083 TO CONFLUENCE WITH LONG CREEK				
YOCONA RIVER	908311	MSYOCRM	Fish Consumption	Not Attaining, TMDL Completed
LOCATION: FROM ENID DAM TO MWS BOUNDARY 9084				
YOCONA RIVER	907411	N/A	Aquatic Life Support	Attaining
LOCATION: FROM MWS BOUNDARY 9073 TO MWS BOUNDARY 9075				
YOCONA RIVER	907011	MS279E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9069 TO MWS BOUNDARY 9071				
YOCONA RIVER	907111	MS279E	Aquatic Life Support	Not Attaining
LOCATION: FROM MWS BOUNDARY 9070 TO 11 DIGIT WATERSHED BOUNDARY 280				
YOCONA RIVER	907112	MS280E	Aquatic Life Support	Not Attaining
LOCATION: FROM 11 DIGIT WATERSHED BOUNDARY 280 TO CONFLUENCE OF BURNEY BRANCH				