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*Environmental, Remediation, and Geological Consultants*

**DRAFT ENVIRONMENTAL ASSESSMENT  
State of Mississippi MSWIN 20111 Communications Tower  
Vicksburg, Warren County, Mississippi  
Environmental Engineers, Inc. Project No.: JSE01P0904**

Prepared for:  
Towers of Mississippi  
Spanish Fort, Alabama

&

State of Mississippi  
Jackson, Mississippi

&

Federal Emergency Management Agency  
Washington, D.C.

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## **1.0 INTRODUCTION**

The State of Mississippi created the Mississippi Wireless Communication Commission (MWCC) by statute in 2005 to oversee the construction and operation of the Mississippi Wireless Integrated Network (MSWIN) project. MSWIN is wireless voice and data capable infrastructure, providing all users with a public-safety grade, statewide, interoperable, seamless roaming radio system. This 700 MHz Public Safety System is intended to provide highly reliable, fast access, private (within groups and individuals) communications to a wide variety of government and first-responder users within the State of Mississippi. MSWIN is funded largely by federal funds administered through the Department of Homeland Security and the Federal Emergency Management Agency.

The MSWIN network consists of over 140 tower sites to transmit and receive 700 MHz radio communications along with 6.7 GHz microwave connections to nearby towers to backhaul the communication to the closest switch. As part of the network, this tower will support a myriad of equipment that will provide emergency response communications for the population within approximately fifteen miles surrounding this proposed site.

System users vary from public safety, governmental executive and administrative personnel to road maintenance crews. In addition to routine communications, users will also depend on the network during life threatening conditions and emergency situations. Flooding, hurricanes, earthquakes, tornadoes, and other natural or man-made catastrophes often require effective wide-area, interoperable communications. Thus, communications within the State of Mississippi are most critical when they are most susceptible to failure. Consequently, a high degree of redundancy and fail-safe design is essential to this success of this project.

The proposed tower facility will be accessed via locked gate off of Old Cain Ridge Road. The tower will have two parking spaces at the entrance of the fenced tower compound. The compound surrounding the tower and equipment will consist of a seven-foot tall security fence with an additional foot of barbed wire surrounding the site. The tower will be built to withstand extreme weather conditions and engineered and constructed to the latest tower standards of ANSI/TIA-222-G (class III supporting public safety and mission critical communications). All radio equipment on the tower will be operated in compliance with all requirements of frequency and power output as regulated by the Federal Communications Commission. Additionally, the gates and fence will have attached no trespassing and other notice and warning signs as may be required by applicable local and federal laws.

Routine operations of the tower facility will have limited vehicular traffic excepting maintenance and routine periodic inspections. Running water or sanitary facilities are not used at the facility. Power facilities are available and will be routed in during construction.

The tower will not interfere with local residence or the use of the surrounding properties. The increase of vehicular traffic into the area is anticipated to be negligible. The tower and communication systems located thereon will not interfere with other communication systems in the area.



The tower is designed to allow other uses on the structure to promote collocation with up to three positions suitable for cellular telephone type wireless service providers. This further reduces the potential need for further towers in the area. In addition, the tower is designed to accommodate additional government communications equipment as the need to provide mission critical radio infrastructure increases in the future.

## **1.1 PURPOSE**

The purpose of the National Environmental Policy Act (NEPA) Checklist screening and Environmental Assessment (EA) is to provide information regarding the subject property required by the Federal Communication Commission (FCC), as described in Title 47 of the Code of Federal Regulations (CFR) Chapter I, Part 1, Subpart I titled *Procedures Implementing the National Environmental Policy Act (NEPA) of 1969*, Sections 1.1307(a)(1) through (8). In addition, this EA was prepared to address items required by the Federal Emergency Management Agency (FEMA) as part of its environmental and historical review process.

This project is being funded using a FEMA grant (2008-MS-MX-0001) and the State of Mississippi's expenditures at this site will include construction of a telecommunications facility, purchase and installation of 700 MHz RF equipment and microwave telecommunication backbone network, equipment shelter, network integration, acceptance testing, communication hardware optimization and system exercising and piloting of interoperability capabilities of the network.

NEPA requires that Federal agencies consider the environmental consequences of proposed actions before deciding to fund an action. The intent of NEPA is to protect, restore, or enhance the environment through well-informed decision making. The Council on Environmental Quality was established under NEPA to implement and oversee Federal policy in this process and implemented the procedural provisions of NEPA codified at 40 CFR 1500-1508. An Environmental Assessment (EA) related to a FEMA program must be prepared according to the requirements of the Stafford Act and 44 CFR Part 10. This EA has been prepared to evaluate the potential effects to the natural and human environment from construction of a new communications tower.

## **1.2 NEED**

The proposed communications facility is part of the proposed Mississippi Wireless Integrated Network (MSWIN). This network is intended to facilitate seamless communications between federal, state, and local emergency personnel during natural or man-made disasters and/or emergencies.

## **1.3 ALTERNATIVES CONSIDERED**

Four alternatives were considered for the Proposed Action (construction and operation of the proposed MSWIN 20111 Communications Facility). These alternatives included the Proposed Action, No-Action Alternative, collocation, and alternate technologies. These alternatives are described below.



### **1.3.1 Proposed Action**

The Proposed Action consists of construction of a 300-foot self-supporting communications tower and associated equipment compound to facilitate installation and operation of wireless communications antennae to provide integrated emergency communications between federal, state, and local agencies. These antennae include microwave dishes that are to be used to send and receive information over long distances without the limitations associated with connection to land lines/cables (primarily interruptions in service due to damage to land lines/cables during emergencies or natural disasters).

### **1.3.2 No-Action Alternative**

Under the No-Action Alternative the proposed project would not be constructed. No adverse environmental impacts are believed to be associated with the No-Action Alternative. However, the no-action alternative would result in a cost to the residents in the service area of this project associated with loss of integrated emergency communications service in the subject area. This cost must be compared to the potential adverse environmental impacts and social cost benefits associated with the Proposed Action.

Wireless communication systems provide a social benefit through increased ease of non-business communication. Roadway accidents, fires, and other emergency situations can be reported faster using wireless communications equipment. Wireless communications also provide critical assistance to emergency personnel during natural disasters (flood, hurricanes, tornadoes, etc.) and national emergencies.

### **1.3.3 Collocation**

It is our understanding that the State of Mississippi and Towers of Mississippi explored collocation opportunities within the required service area for this project. However, no collocation opportunities meeting the technical requirements for the proposed project were identified.

### **1.3.4 Alternate Technologies**

Among the possible alternatives to the MSWIN network are a) satellite communications, b) commercial cellular communications, and c) the existing State operated networks.

Satellite communications is commercially available and is currently used as a backup communications method in the event the primary systems fail. Satellite communications is cost prohibitive for the 30,000 users who would be a part of the MSWIN radio network.

Commercial cellular communication services are available in much of the service area MSWIN will provide, but not all of the State of Mississippi is covered by a single cellular operator. MSWIN will provide 97% radio coverage over the state, is more secure than commercial cellular service, is more



survivable in the event of natural disasters, and is dedicated to public safety missions. Cellular is an adequate limited backup to the routine and emergency requirements of public safety, but is not adequate for daily operational usage and extreme emergency situations, as compared to the MSWIN system.

The existing State operated radio systems are aging and limited in their coverage reach. The field and dispatch radios are nearing obsolescence and are difficult to find new replacement parts for. The needs of a growing Mississippi will be met by the new technology the MSWIN network provides.

**1.4 AFFECTED ENVIRONMENT**

The site is depicted on the United States Geological Survey 7.5-minute Topographic Quadrangle “Vicksburg West, Mississippi – Louisiana,” dated 1962. The site is located in the southwest corner of Section 9, Township 15 North, Range 3 East, Warren County, Mississippi, at latitude 32°16’57.346” north and 90°54’24.586” west (Figure 1). The site consists of a 100-foot by 100-foot lease area and a proposed access road. The site is located off of Old Cain Ridge Road in Vicksburg, Mississippi. The lease area is located in a wooded area and slopes gently to moderately downward to the northwest. The proposed access road is 65.77 feet in length and enters the site from the east. Proposed activities consist of construction of a 300-foot self-supporting communications tower, enclosing the compound in a fence, placement of support equipment within the compound, grading an access road, and covering the compound and access road with gravel. A copy of the portion of the 2007 aerial photograph depicting the site layout has been included as Figure 2 and site photographs have been included as Figures 3 through 5. A copy of the site survey is included as Appendix A.

**1.5 FCC ENVIRONMENTAL COMPLIANCE CHECKLIST**

<b>POTENTIAL ENVIRONMENTAL IMPACT</b>	<b>YES</b>	<b>NO</b>
1. Will this facility be located in an officially designated wilderness area?	_____	X _____
2. Will this facility be located in an officially designated wildlife preserve?	_____	X _____
3. Will this facility affect listed threatened or endangered species or designated critical habitats?	_____	X _____
4. Is this facility likely to jeopardize the continued existence of any proposed threatened or endangered species or result in the destruction or adverse modification of proposed critical habitats?	_____	X _____
5. Will the facility affect districts, sites, buildings, structures, or objects that are listed or eligible for listing in the National Register of Historic Places?	_____	X _____
6. Will the facility affect Indian religious sites?	_____	X _____
7. Will the facility be located in a floodplain?	_____	X _____
8. Will the facility involve significant change in surface features (i.e. wetland fill, deforestation, diversion)?	_____	X _____
9. Will the facility be located in a residential area and equipped with high intensity white lights?	_____	X _____
10. Will the facility result in a potential exposure of workers or the general public to levels of radio frequency radiation in excess of the MPE?	_____	X _____



## 1.6 INFORMATION SOURCES

Completion of this Draft Environmental Assessment included utilization of the following sources:

1. Review of the portion of the 2007 aerial photograph depicting the site available through Maptech.
2. Review of the site survey prepared by SMW Engineering, Inc.
3. Review of information regarding National Scenic Trails and All-American Roads available on the Mississippi Department of Transportation Internet website.
4. Review of information regarding wild and scenic rivers in the vicinity of the proposed project available at Rivers.gov.
5. Review of the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission.
6. Correspondence to and from the Department of the Army Corps of Engineers regarding potential impacts to jurisdictional wetlands by the proposed project.
7. A review of information available on the USFWS Internet website, at Nationalatlas.gov, and on Wilderness.net regarding officially designated wilderness areas or wildlife refuges.
8. Correspondence from the USFWS regarding threatened and endangered species on or near the site.
9. Review of the FCC Form 620 prepared for the site by MRS Consultants, LLC and Environmental Engineers, Inc.
10. Information regarding the MSWIN system provided by Towers of Mississippi.
11. Correspondence from the Mississippi Department of Archives and History regarding historical resources and properties listed on or eligible for listing on the National Register of Historic Places on or near the site.
12. Review of the Tower Construction Notification System Notice of Organizations Which Were Sent Proposed Tower Construction Notification Information provided by the FCC.
13. Correspondence and conversations with representatives of the Choctaw Nation of Oklahoma, Kialegee Tribal Town, Mississippi Band of Choctaw Indians, Quapaw Tribe of Oklahoma, Seminole Tribe of Florida, and the Tunica-Biloxi Indians of Louisiana regarding wireless telecommunications projects.



14. Review of the FEMA Flood Insurance Rate Map regarding flood zone designations for the site.
15. Review of information available on the USFWS National Wetlands Inventory Internet website containing the site regarding potential jurisdictional wetlands on or adjacent to the site.
16. Soil information from the USDA's Soil Survey of Warren County, Mississippi, issued November 1964.
17. Correspondence to and from the USDA Natural Resource Conservation Service (NRCS) office in Jackson, Mississippi regarding impacts to prime farmland, unique farmland, and land of statewide or local importance.
18. A reconnaissance of the subject property.

## **2.0 WILDERNESS AREAS/PRESERVES**

The proposed communications facility will not adversely affect wilderness areas. Based on a review of information available through the Wilderness.net Internet website, two wilderness areas are located in Mississippi – Black Creek Wilderness and Leaf Wilderness. Each of these wilderness areas are located in the southeastern portion of the state and would not be affected by the proposed communications tower project. Maps showing the locations and boundaries of the Black Creek Wilderness and the Leaf Wilderness are included as Appendix B.

The proposed communications facility will not adversely affect any wildlife refuges. Based on a review of information available at the USFWS Internet website and at the Nationalatlas.gov Internet website, the site is not located within the boundaries of, or adjacent to, any wildlife refuges. Maps showing the location of wildlife refuges in the state of Mississippi are included as Appendix C.

## **3.0 BIOLOGICAL RESOURCES**

### **3.1 THREATENED AND ENDANGERED SPECIES**

The proposed communications facility will not adversely affect federally-listed threatened or endangered species. Information regarding the proposed wireless telecommunications tower was submitted to the USFWS by Environmental Engineers, Inc. The USFWS responded via letter dated February 23, 2009 stating "...the Service [USFWS] determines that this project will have no effect on listed species or critical habitat." Copies of the correspondence to and the response from the USFWS are included as Appendix D.

### **3.2 MIGRATORY BIRDS**

The United States Fish and Wildlife Service (USFWS) has developed voluntary recommendations regarding communications tower siting, construction, operation, and decommissioning. These



recommendations include collocating of antennae on existing towers or other structures, limiting the height of new towers to less than 199 feet above ground level (AGL), if taller than 199 feet use of the minimum amount of pilot warning and obstruction avoidance lighting required (preferably white strobes), use of non-guyed towers (monopoles, self-supporting towers), consideration of cumulative impacts on migratory birds, locating towers within “antenna farms” where possible, use of the minimum lighting permissible, use daytime visual markers on guy wires, minimization of the footprint of the facility to avoid habitat loss, design of new towers to accommodate additional comparable antennae for at least two additional users, and down-shielding security lighting for on-ground facilities. A copy of the USFWS communications tower siting, construction, operation, and decommissioning recommendations are included in Appendix E.

A basic principal of radio communication coverage is increasing the height extends signal range. Effective coverage is a function of height so to lower each site to less than 199 feet increases the potential tower count over 300 to accomplish the coverage requirements, resulting in roughly 3,000,000 square feet of ground disturbance, or well over twice the current footprint disturbance requirements. Such an increase in ground impact risks a much greater adversity to terrestrial based habitat such as animals and plants, plus the additional carbon footprint produced by the increased development and construction activities.

Towers of Mississippi and the State of Mississippi considered collocation opportunities as an alternative to the proposed action. However, the technical loading requirements for this project are for all used structures to be engineered and constructed to the latest tower standards of ANSI/TIA-222-G (class III supporting public safety and mission critical communications). As this is the latest engineering standard and the Class III (public safety) level is the most rigorous engineering standard in the tower industry, there are no existing towers within the coverage area for this project that can be modified to meet this standard and handle the loading requirements MSWIN will place on the tower.

The Federal Aviation Administration (FAA) has jurisdiction of all tower lighting and conducts aeronautical studies under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning the impact on arrival, departure, and en route procedures for aircraft operating under VFR/IFR conditions at existing and planned public use airports, as well as aeronautical facilities.

For purposes of MSWIN tower development, obstruction lighting may be one of three types:

- (1) Medium intensity flashing white obstruction lights (white strobes in both day and night (D-1 or D-2); or
- (2) Dual lighting with red / medium intensity flashing white lights (white strobes in daylight and red strobes at night – E-1 or E-2); or
- (3) Marking and lighting with painted towers and red night beacons. This applies to towers over 500 feet in height (E-2 light system).



Based on information provided by Towers of Mississippi for this project, it is our understanding that medium intensity flashing white obstruction lights (day and night) will be installed on this tower.

As previously described, the proposed tower will not be equipped with guy wires. Therefore, bird flight diverters will not be installed on the proposed tower.

As stated in Section 1.0, the proposed tower will be designed to accommodate equipment for up to three additional wireless communications providers thereby reducing the need for additional towers in the service area of the proposed project.

Security lighting at this facility will consist of motion-activated, wall-mounted lights on the equipment shelter at the site.

## **4.0 CULTURAL RESOURCES**

### **4.1 NATIONWIDE PROGRAMMATIC AGREEMENT**

On March 7, 2005 the FCC implemented a Nationwide Programmatic Agreement (NPA) regarding Section 106 reviews (State Historic Preservation Officer and Indian tribal consultation) for wireless telecommunications tower sites. In summary, the NPA set forth rules regarding consultation with the State Historic Preservation Officer (SHPO) in each state where a proposed wireless telecommunications tower is to be constructed; consultation with Indian tribes and Native Hawaiian Organizations (NHOs) that would have been historically located in the area of the proposed wireless telecommunications tower or had indicated an interest in the geographical area containing the proposed wireless telecommunications tower; and involvement of the public and/or local government. As part of the process associated with the NPA the FCC developed the Tower Construction Notification System (TCNS) and FCC Form 620. The TCNS is described in Section 4.2 and FCC Form 620 is described in Section 4.3.

The NPA requires that a response be received from each Indian tribe or NHO that has indicated an interest in the state or geographical area containing the proposed tower. If no response is received from a particular Indian tribe or NHO within a reasonable time (typically 30 days), the NPA requires that the non-responding Indian tribe or NHO be contacted a second time in an effort to obtain a response. If the Indian tribe or NHO continues to be unresponsive to the initial or follow-up inquiries, the FCC must be contacted to consult with the non-responding Indian tribe or NHO.

### **4.2 FCC TOWER CONSTRUCTION NOTIFICATION SYSTEM**

The TCNS is an Internet-based notification system developed by the FCC that allows input of basic information regarding the proposed location, type, and height of a new wireless telecommunications tower. This information is then made available to Indian tribes and NHOs that have expressed an interest in the state or geographical location containing the proposed wireless telecommunications



tower via electronic or regular mail. According to the FCC the TCNS can be used as the initial contact to Indian tribes or NHOs.

Information regarding the proposed wireless telecommunications tower was submitted to Indian tribes, NHOs, and SHPOs via the TCNS on January 26, 2009. The FCC assigned Notification I.D. #48513 to the notification submitted for this proposed wireless telecommunications tower. The FCC sent an electronic mail notification to our office on January 30, 2009 listing the Indian tribes, NHOs, and SHPOs that were contacted through the TCNS regarding the proposed tower. As noted in Section 4.1, the NPA requires that we obtain a response from each Indian tribe or NHO that has indicated an interest in the geographical area or state containing the site.

Environmental Engineers, Inc. used the list of Indian tribes that had defined their area of geographic interest on the FCC Internet web site, conversations with Tribal Historic Preservation Officers (THPOs), Internet web sites for many of the Indian tribes and Alaskan villages, and the *Encyclopedia of North American Indians* by Frederick E. Hoxie (published in 1996 by Houghton Mifflin) to determine which Indian tribes included in the TCNS list would be interested in this wireless telecommunications tower site. This review indicated that the following Indian tribes would have a potential interest in this wireless telecommunications tower site: Choctaw Nation of Oklahoma, Kialegee Tribal Town, Mississippi Band of Choctaw Indians, Quapaw Tribe of Oklahoma, Seminole Tribe of Florida, and the Tunica-Biloxi Indians of Louisiana. A description of the follow-ups to and responses from each of these Indian tribes are included in Sections 4.5.1 through 4.5.6. Copies of the TCNS notifications and list of Indian tribes, NHOs, and SHPOs are included in Appendix F.

#### **4.3 FCC FORM 620**

MRS Consultants, LLC and Environmental Engineers, Inc. completed the FCC Form 620 required for submittal to those Indian tribes requesting additional information regarding the proposed wireless telecommunications tower and the SHPO. MRS Consultants, LLC personnel satisfy the United States Secretary of the Interior's Professional Qualification Standards. A copy of the FCC Form 620 prepared for this site is included in Appendix G.

#### **4.4 STATE HISTORIC PRESERVATION OFFICER**

The FCC Form 620 was submitted to the Mississippi Department of Archives and History (MDAH) for review. The MDAH responded via letter dated February 19, 2009 stating that "...we concur that no cultural resources listed in or eligible for listing in the National Register of Historic Places will be directly or visually affected. Therefore, we have no reservations with the project." Copies of the correspondence to and from the MDAH are included in Appendix H.



## 4.5 INDIAN TRIBAL CONSULTATION

Environmental Engineers, Inc. followed up with each of the Indian tribes (as necessary) that we had identified through our review of the TCNS listing provided by the FCC for this site. Sections 4.5.1 through 4.5.6 describe our follow-up contacts to each of these Indian tribes and their responses.

### 4.5.1 Choctaw Nation of Oklahoma

Ms. Caren Johnson of the Choctaw Nation of Oklahoma responded via electronic mail on April 15, 2009 stating that “The Choctaw Nation of Oklahoma has reviewed cell tower(s) FCC # 48513 and based on the information provided to the best of our knowledge it will have no adverse effect on any historic properties in the project’s area of potential effect. However, should construction expose buried archaeological or building materials such as chipped stone, tools, pottery, bone, historic crockery, glass or metal items, or should it uncover evidence of buried historic building materials such as rock foundations, brick, or hand poured concrete, this office should be contacted immediately @ 1-800-522-6170 ext. 2137.” Copies of the correspondence to and the response from Ms. Johnson are included in Appendix I.

### 4.5.2 Kialegee Tribal Town

The TCNS listing (Appendix F) for this site included information from the Kialegee Tribal Town that states “If the Applicant receives no response from the Kialegee Tribal Town within 30 days after notification through TCNS, the Kialegee Tribal Town has no interest in participating in pre-construction review for the site. The Applicant, however, must immediately notify the Kialegee Tribal Town in the event archaeological properties or human remains are discovered during construction.” The TCNS notification for this site is dated January 30, 2009 and the end of the 30-day period indicated by the Kialegee Tribal Town was March 1, 2009. Environmental Engineers, Inc. has not received a response from the Kialegee Tribal Town as of the date of this report. Therefore, it is our understanding that additional consultation with the Kialegee Tribal Town is not necessary.

### 4.5.3 Mississippi Band of Choctaw Indians

The TCNS listing (Appendix F) for this site included information from the Mississippi Band of Choctaw Indians that stated “If the applicant/tower builder receives no response from the Mississippi Band of Choctaw Indians within 30 days after you have e-mailed the [FCC Form 620]...then the Mississippi Band of Choctaw Indians has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must immediately notify the Mississippi Band of Choctaw Indians in the event archaeological properties or human remains are discovered during construction...” The Mississippi Band of Choctaw Indians was notified via electronic mail dated February 12, 2009 and the end of the 30-day period indicated by the Mississippi Band of Choctaw Indians was March 14, 2009. Environmental Engineers, Inc. has not received a response from the Mississippi Band of Choctaw Indians as of the date of this report. Therefore, it is our understanding



that additional consultation with the Mississippi Band of Choctaw Indians is not necessary. A copy of the electronic mail submitted to the Mississippi Band of Choctaw Indians is included in Appendix I.

#### **4.5.4 Quapaw Tribe of Oklahoma**

Ms. Wendy Huntzinger of Conner and Winters, LLP responded on behalf of the Quapaw Tribe of Oklahoma via electronic mail dated March 19, 2009 stating “Based on the information you have provided for TCNS ID 48513 the Quapaw Tribe of Oklahoma has no immediate concerns or issues regarding this project at this time. Please keep me informed if the nature of the project should change. Since the site is located in an area of historical interest to the Tribe, it is requested that in the event that any human remains and/or funerary objects are discovered that you cease work and contact us immediately.” Copies of the correspondence to and from Ms. Huntzinger are included in Appendix I.

#### **4.5.5 Seminole Tribe of Florida**

Ms. Dawn Hutchins of the Seminole Tribe of Florida responded via TCNS on February 17, 2009 in response to TCNS #48513 stating, “The Seminole Tribe of Florida Tribal Historic Preservation Office (STOF-THPO) has received your email correspondence concerning the aforementioned project. The STOF-THPO concurs with your findings of “no historic properties”. However, the STOF-THPO would like to be informed should any archaeological and/or historic resources be discovered inadvertently during the construction process. We thank you for the opportunity to review the information that has been sent to date regarding this project.” Copies of the correspondence to and from the Seminole Tribe of Florida are included in Appendix I.

#### **4.5.6 Tunica-Biloxi Indians of Louisiana**

Mr. Earl Barbry of the Tunica-Biloxi Indians of Louisiana was contacted via electronic mail on May 3, 2005 regarding submittal of wireless telecommunications projects. Mr. Barbry responded via electronic mail on May 3, 2005 and indicated that he wanted to be notified regarding cell tower requests via electronic mail and that if he had not responded within 30 days of our contacting him, the project can proceed. We contacted Mr. Barbry regarding this site via electronic mail on February 12, 2009, and the end of the 30-day response period as indicated by Mr. Barbry was March 14, 2009. We have not received a response from Mr. Barbry as of the date of this report. Therefore, we have assumed that the Tunica-Biloxi Indians of Louisiana concur with the proposed project. Copies of the electronic mail to and from Mr. Barbry are included in Appendix I.

### **4.6 INADVERTENT DISCOVERY**

**The personnel that will have a potential to be involved in land-disturbing activities must be instructed to stop work immediately and contact the Indian tribes that have indicated an interest in the project area and SHPO in the event of an inadvertent discovery of human remains or cultural materials. The Indian tribe, contact name, and telephone number for each of the interested Indian tribes and SHPO are included in the table on the following page. A copy of this**



information must be provided to all personnel that would have a potential to be involved in land-disturbing activities at the site.

Organization	Contact	Telephone Number
Mississippi Department of Archives and History - SHPO	Mr. Jim Woodrick	(601) 576-6940
Choctaw Nation of Oklahoma	Mr. Terry Cole	(800) 522-6170 x2137
Kialegee Tribal Town	Mekko Jennie Lillard	(405) 452-5200
Mississippi Band of Choctaw Indians	Mr. Ken Carleton	(601) 650-7316
Quapaw Tribe of Oklahoma	Ms. Wendy Huntzinger	(918) 586-8953
Seminole Tribe of Florida	Ms. Dawn Hutchins	(863) 902-1113 x103
Tunica-Biloxi Indians of Louisiana	Mr. Earl Barbry, Jr.	(318) 253-0213 x6851

#### 4.7 LOCAL GOVERNMENT/PUBLIC NOTICE

The Vicksburg and Warren County Historical Society and City of Vicksburg were contacted regarding the proposed wireless communications tower via letters dated February 3, 2009. Mr. George “Bubba” Bolm, director for the Old Court House Museum, responded via electronic mail dated February 5, 2009 stating, “We received your proposals ... and 20114A [should be 20111A] for proposed tower construction in Warren County. Unfortunately we don’t have any information on the sites and suggest that you contact the Mississippi Department of Archives and History in Jackson or the National Park Service here in Vicksburg.” No response was received from the City of Vicksburg as of the date of this report. A public notice was published in the *Vicksburg Post* on January 30, 2009 requesting comment regarding potential impacts to historical or archaeological properties by the proposed wireless communications tower. No comments have been received as of the date of this report in response to the public notice. Copies of the correspondence to the Vicksburg and Warren County Historical Society, the response from Mr. Bolm, the correspondence to City of Vicksburg, and a copy of the public notice are included in Appendix J.

#### 5.0 FLOODPLAIN INFORMATION

According to the Federal Emergency Management Agency’s (FEMA) Flood Insurance Rate Map (FIRM) “Panel 291 of 550, Warren County, Mississippi and Incorporated Areas” effective date November 5, 2008, the site is located in an area designated as Zone X (no shading) which is described as areas outside the 0.2% annual chance floodplain. Therefore, the site is not located within a floodplain. It should be noted that the towers that comprise the MSWIN system are considered critical facilities and project design requirements include that the communications equipment at each facility be elevated at least five feet above the 500-year flood elevation (where mapped). In areas where the 500-year floodplain is not mapped, the equipment will be elevated a minimum of five feet above the 100-year base flood elevation. The FIRM depicting the site location does not include areas of 500-year flood; therefore, it is our understanding that the support equipment at this facility will be elevated at least five feet above the 100-year base flood elevation. The portion of the FEMA FIRM depicting the site is included as Figure 6.



## **6.0 WETLANDS AND SENSITIVE VEGETATION DELINEATION**

Information on the USFWS National Wetlands Inventory (NWI) Internet website was reviewed to determine if any wetlands were delineated on or near the site. However, the site is located in an area that is not included in the on-line library of digital or scanned maps.

A site reconnaissance which included observations to determine if the subject site or immediately adjacent property contained any jurisdictional wetlands (as defined by the United States Army Corps of Engineers) was conducted on February 2, 2009 by Environmental Engineers, Inc. No potential jurisdictional wetland indicators were noted on the site at the time of our site reconnaissance.

In addition, information regarding the proposed project was submitted to the Department of the Army Corps of Engineers for review. The Department of the Army responded via letter dated November 19, 2009 stating "...it appears that a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act will not be required for the proposed work...This determination of Department of the Army regulatory requirements was based upon a preliminary jurisdictional determination that there are no jurisdictional areas being impacted by the proposed work on the property subject to regulation pursuant to Section 10 of the Rivers and Harbors Act of 1899 and/or to Section 404 of the Clean Water Act." Copies of the correspondence submitted to and response from the Department of the Army are included as Appendix K.

## **7.0 PRIME FARMLAND**

From the United States Department of Agriculture Natural Resource Conservation Service (NRCS) Internet website:

*The National Agricultural Land Study of 1980-81 found that millions of acres of farmland were being converted in the United States each year. The 1981 Congressional report, Compact Cities: Energy-Saving Strategies for the Eighties, identified the need for Congress to implement programs and policies to protect farmland and combat urban sprawl and the waste of energy and resources that accompanies sprawling development.*

*The Compact Cities report indicated that much of the sprawl was the result of programs funded by the Federal Government. With this in mind, Congress passed the Agriculture and Food Act of 1981 (Public Law 97-98) containing the Farmland Protection Policy Act (FPPA)—Subtitle I of Title XV, Section 1539-1549. The final rules and regulations were published in the Federal Register on June 17, 1994.*

*The FPPA is intended to minimize the impact Federal programs have on the unnecessary and irreversible conversion of farmland to nonagricultural uses. It assures that—to the extent possible—Federal programs are administered to be compatible with state, local units of government, and private programs and policies to protect farmland. Federal*



*agencies are required to develop and review their policies and procedures to implement the FPPA every two years.*

*For the purpose of FPPA, farmland includes prime farmland, unique farmland, and land of statewide or local importance. Farmland subject to FPPA requirements does not have to be currently used for cropland. It can be forest land, pastureland, cropland, or other land, but not water or urban built-up land.*

According to the USDA's Soil Survey of Warren County, Mississippi, issued November 1964, site soils are classified as Memphis and Natchez silt loams, 17 to 40 percent slopes, eroded. Memphis soils, which make up about 70 percent of this unit, are on narrow ridgetops and the upper part of the slopes. The Natchez soils are on the middle and lower parts of the slopes. Most areas include some of both soils.

Memphis silt loam generally consists of dark-brown, friable silt loam to a depth of three inches, brown to dark-brown, friable light silty clay loam to silt loam from a depth of three to 35 inches, and brown to dark-brown friable silt loam from a depth of 35 to 60 inches.

Natchez silt loam typically consists of mixed dark grayish-brown and dark yellowish-brown, friable silt loam to a depth of two inches; brown to dark-brown, friable silt loam from a depth of two to 26 inches; and brown to dark-brown, friable silt loam from a depth of 26 to 72 inches.

EEI submitted information regarding the proposed project to the USDA NRCS office in Jackson, Mississippi via letter dated November 3, 2009. The NRCS responded via letter dated November 17, 2009 stating "The proposed project will not have any permanent adverse effect on prime farmland. Therefore no FPPA determination is required." We have included copies of the correspondence to and from the NRCS as Appendix L.

## **8.0 LIGHTING**

The proposed tower will not be equipped with high intensity white lighting.

## **9.0 RADIO FREQUENCY RADIATION**

It is our understanding that the proposed antenna should comply with FCC requirements for RF related emissions established in 47 CFR Section 1.1307 provided that the antennas are mounted such that the height above ground level for the lowest point of the antennas is at least 10 meters.



## **10.0 ADDITIONAL ENVIRONMENTAL EVALUATION**

### **10.1 NATIONAL SCENIC AND HISTORIC TRAILS**

The site is located approximately 3,300 feet east of Old US Highway 61 and 200 feet east of the current US Highway 61. US Highway 61 is also known as the Great River Road, a National Scenic Byway or All-American Road. While the proposed tower will be visible from this roadway, the view will be mitigated somewhat by tree cover along the eastern side of the roadway. Maps showing National Scenic Trails and All-American Roads in the vicinity of the site are included in Appendix M.

### **10.2 NATIONAL WILD AND SCENIC RIVERS**

A review of information available through the Rivers.gov Internet website indicates that one Wild and Scenic River is located in Mississippi. This Wild and Scenic River is a section of Black Creek located in the DeSoto National Forest in southeastern Mississippi. The proposed communications facility will not have an adverse affect on any designated Wild and Scenic River. Information regarding the Black Creek Wild and Scenic River is included as Appendix N.

## **11.0 CUMULATIVE IMPACTS**

Cumulative impacts are an incremental impact on either the natural environment or human environment by an action when added to past and anticipated future actions. No ongoing or proposed actions are known for the project area. As described in Section 1.0 of this document, the proposed tower is designed to allow collocation of up to three additional cellular-type service providers, thereby potentially reducing cumulative impacts.

## **12.0 PUBLIC PARTICIPATION**

### **12.1 LOCAL GOVERNMENT**

The Vicksburg and Warren County Historical Society and City of Vicksburg were contacted regarding the proposed wireless communications tower via letters dated February 3, 2009. Mr. George “Bubba” Bolm, director for the Old Court House Museum, responded via electronic mail dated February 5, 2009 stating, “We received your proposals ... and 20114A [should be 20111A] for proposed tower construction in Warren County. Unfortunately we don’t have any information on the sites and suggest that you contact the Mississippi Department of Archives and History in Jackson or the National Park Service here in Vicksburg.” No response has been received from the City of Vicksburg as of the date of this report.

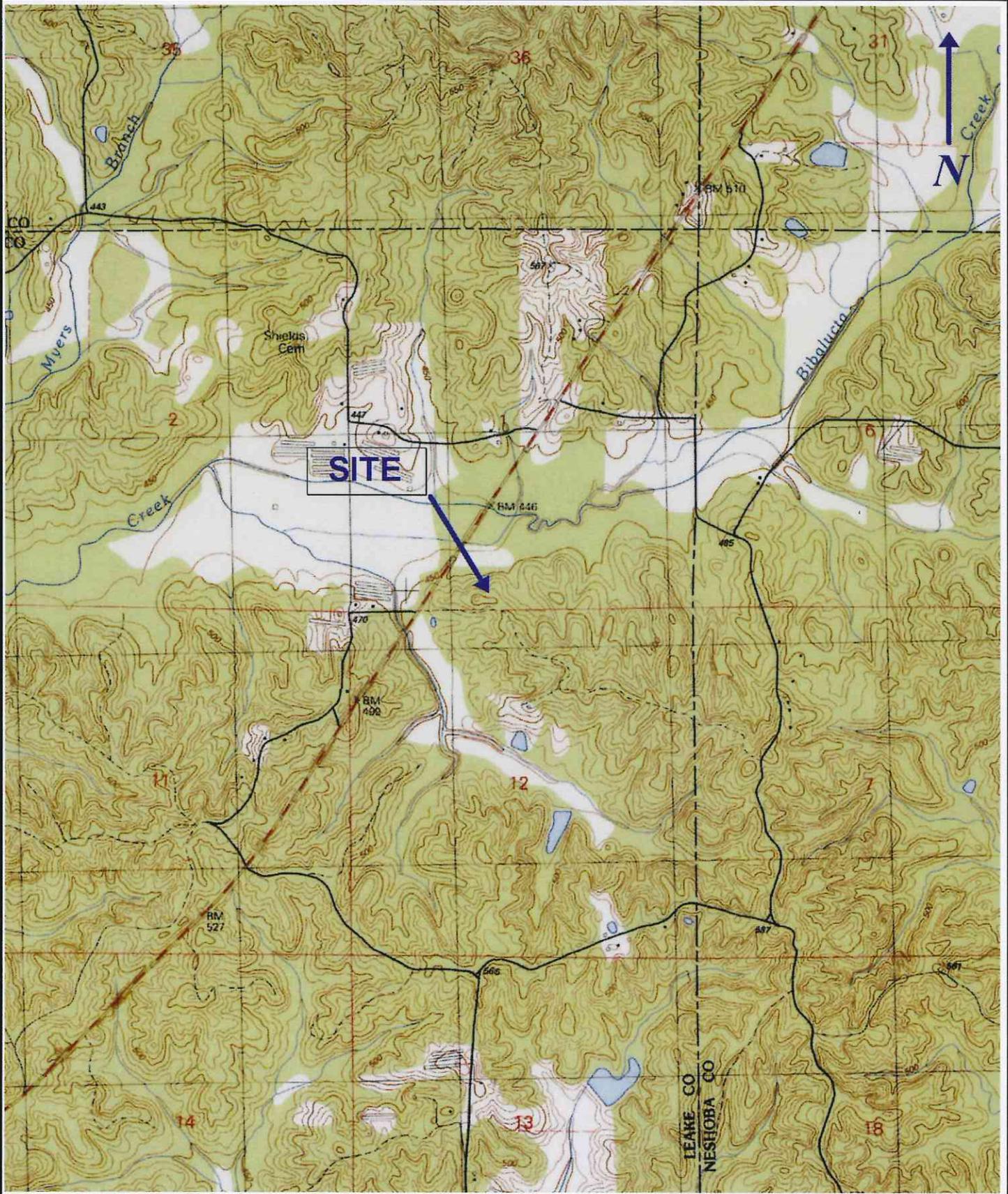


## 12.2 PUBLIC NOTICE

A public notice was published in the *Vicksburg Post* on January 30, 2009 requesting comment regarding potential impacts to historical or archaeological properties by the proposed wireless communications tower. No comments have been received as of the date of this report in response to the public notice. In addition, notice of availability of this draft Environmental Assessment will be published in *The Clarion Ledger*.



# Figures



**Environmental Engineers, Inc.**

Subject:  
 Draft Environmental Assessment  
 Proposed MSWIN 20618 Communications Tower  
 Kosciusko, Leake County, Mississippi  
 Project No.: JSE01P0820

Figure 1  
 Site Location Map  
 Scale: 1" = 2,000'





## Environmental Engineers, Inc.

Subject:  
Proposed MSWIN 20618 B Communications Tower  
Kosciusko, Leake County, Mississippi  
Project No.: JSE01P0820

Figure 2  
2007 Aerial Photograph

Scale: 1" = 1,000'





View from the center of the site toward the north.



View from the center of the site toward the east.

## Environmental Engineers, Inc.

Subject:  
Draft Environmental Assessment  
Proposed MSWIN 20618 Communications Tower  
Kosciusko, Leake County, Mississippi  
Project No.: JSE01P0820

Figure 3  
Site Photographs





View from the center of the site toward the south.



View from the center of the site toward the west.

## Environmental Engineers, Inc.

Subject:  
Draft Environmental Assessment  
Proposed MSWIN 20618 Communications Tower  
Kosciusko, Leake County, Mississippi  
Project No.: JSE01P0820

Figure 4  
Site Photographs





View from the proposed northeast guy anchor location toward the site.



View from the proposed southeast guy anchor toward the site.

## Environmental Engineers, Inc.

Subject:  
Draft Environmental Assessment  
Proposed MSWIN 20618 Communications Tower  
Kosciusko, Leake County, Mississippi  
Project No.: JSE01P0820

Figure 5  
Site Photographs





View of the northern end of the proposed access road looking to the northeast toward the site.



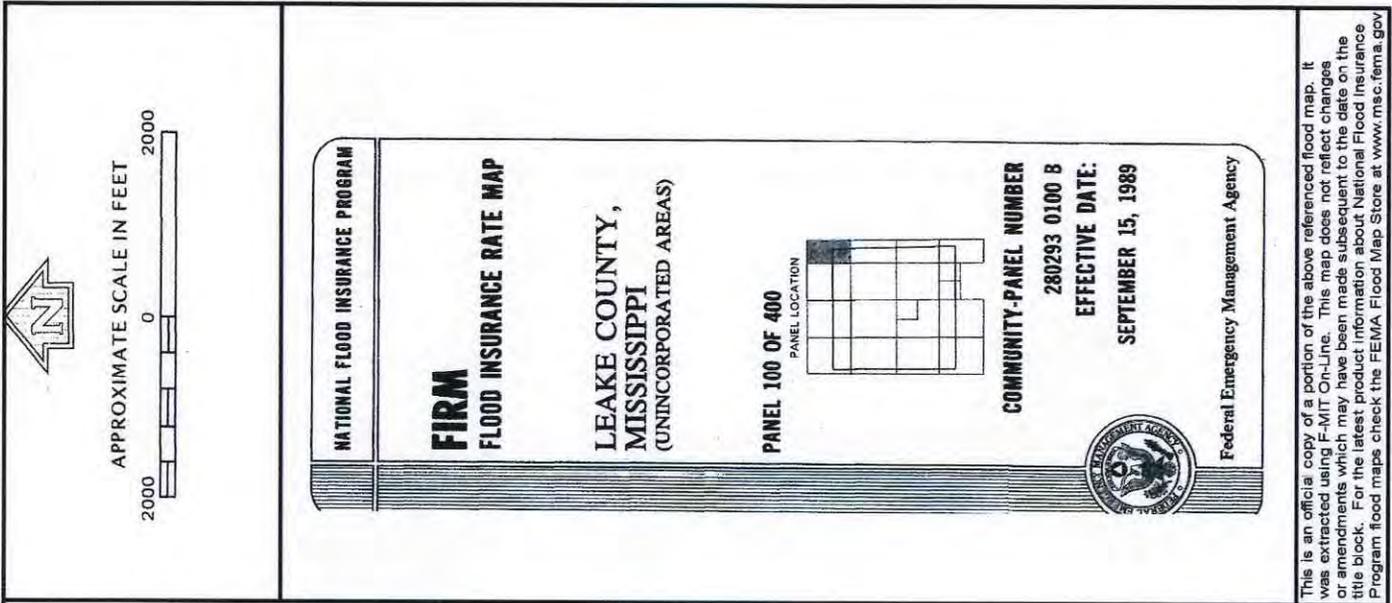
View of the western end of the existing access road looking to the east.

## Environmental Engineers, Inc.

Subject:  
Draft Environmental Assessment  
Proposed MSWIN 20618 Communications Tower  
Kosciusko, Leake County, Mississippi  
Project No.: JSE01P0820

Figure 6  
Site Photographs





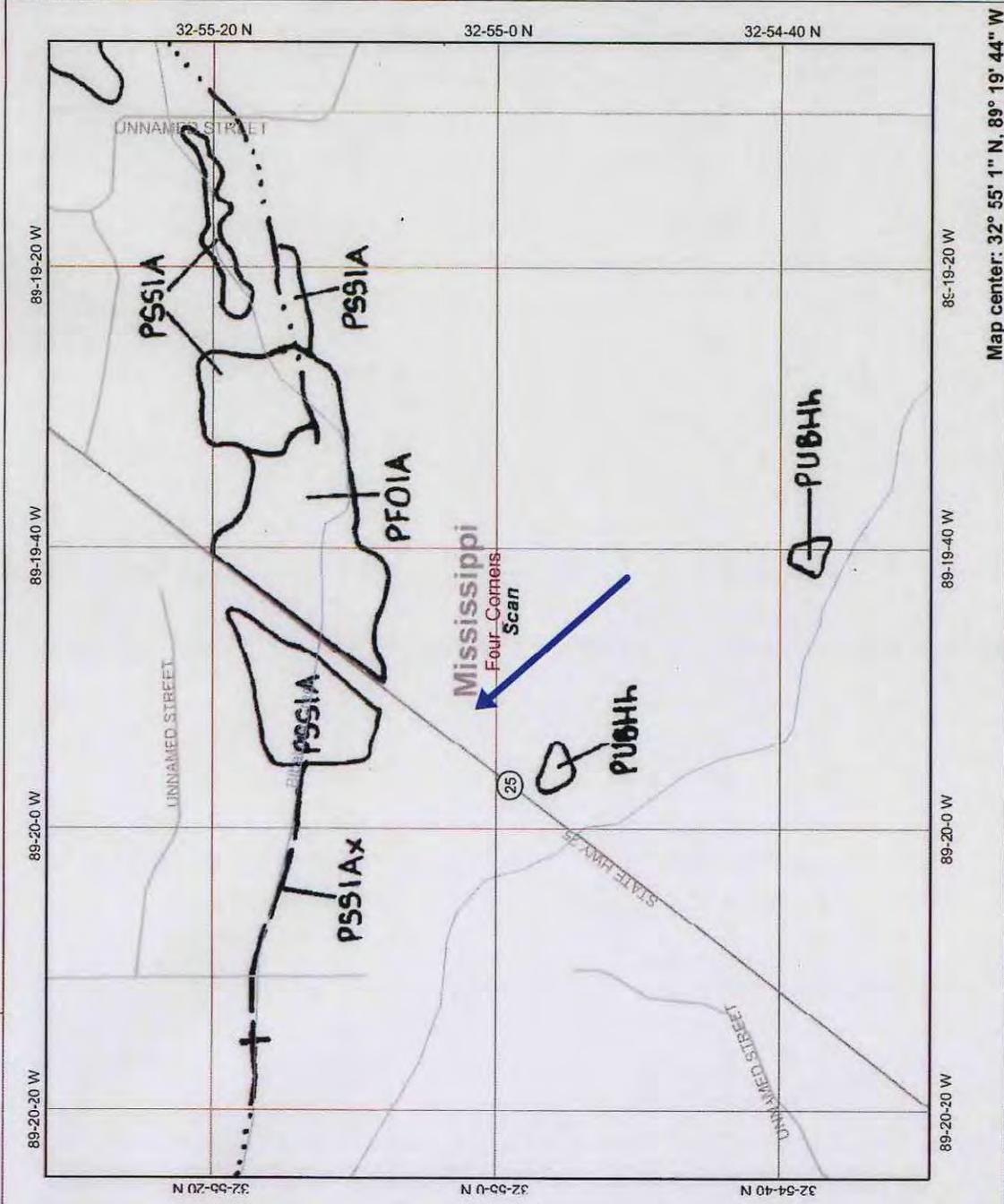
This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)

**Figure 7**

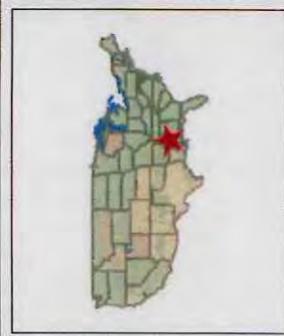
**JSE01P0820**

**Flood Insurance Rate Map - MSWIN 20618 B Tower**

# MSWIN 20618 B Tower



Map center: 32° 55' 1" N, 89° 19' 44" W



## Legend

- Ohio\_wet\_scan
  - 0
  - 1
- Out of range
- Interstate
- Major Roads
- Other Road
- Interstate
- State highway
- US highway
- Roads
- Cities
- USGS Quad Inceex 24K
- Lower 48 Wetland Polygons
  - Estuarine and Marine Deepwater
  - Estuarine and Marine Wetland
  - Freshwater Emergent Wetland
  - Freshwater Forested/Shrub Wetland
  - Freshwater Pond
  - Lake
  - Other
  - Riverine
- Lower 48 Available Wetland Data
  - Non-Digital
  - Digital
  - No Data
  - Scan
- NHD Streams
- Counties 100K
- States 100K
- South America
- North America



Scale: 1:13,437

This map is a user generated static output from an internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

# Appendix A



# Appendix B

[Home](#) > [Maps, Data, and Images](#) > [Maps](#) > [GIS Map](#)

## U.S. National Wilderness Preservation System Map

**Click inside a wilderness polygon to open an information window (window may take a second to appear).** Want to [give us feedback](#) on our map?

Print/View/Download:

Zoom: U.S.  State  Wilderness

On/Off: Wilderness Names

Key:  BLM  FWS  FS  NPS



Latitude/longitude: 31.0299897, -89.021530

**Disclaimer:** Wilderness.net's GIS-based map overlays wilderness boundaries on satellite data provided by Google Maps. Boundary updates are obtained from the wilderness management agencies. Boundary names containing "(Draft boundary)" have not been finalized and are not official. Different wildernesses treat inholdings differently, so you should consult agency-specific maps to identify the exact location of private inholdings within wilderness. Wilderness.net manages this map as a service to Internet users of digital

geographic data. Wilderness.net is in no way condoning or endorsing the application of these data for any given purpose. It is the sole responsibility of the user to determine whether or not the data are suitable for the intended purpose. It is also the obligation of the user to apply those data in an appropriate and conscientious manner. Although Wilderness.net attempts to use the most current and complete geospatial data available, accuracy varies. Wilderness.net provides no warranty, nor accepts any liability occurring from any incorrect, incomplete, or misleading data, or from any incorrect, incomplete, or misleading use of these data.

On 3/30/09 President Obama signed the Omnibus Public Land Management Act of 2009 (Public law 111-11) into law. This law designated 52 new wilderness areas and added acreage to 26 existing areas, a total addition to the NWPS of over 2 million acres. All these new areas are now pictured on Wilderness.net's maps. You can also [view a list of all areas affected by Public Law 111-11](#) with links to more information about them.

Maps of the National Wilderness Preservation System have been produced for many years. Read about the [history of wilderness mapping](#).



Feedback Analytics

## Black Creek Wilderness Fact Sheet

### General

The United States Congress designated the Black Creek Wilderness in 1984 and it now has a total of 5,052 acres. All of the wilderness is in Mississippi and is managed by the Forest Service.

The Black Creek Wilderness is located in the gulf coastal plains of southern Mississippi. Most of this Wilderness, the state's largest, lies in the broad valley of Black Creek, stained a deep caramel color by the tannic acid of decaying vegetation. The creek is Mississippi's only designated Wild and Scenic River (for 21 miles) with the emphasis exclusively on scenic. It bisects the Wilderness, creating a hardwood floodplain of oxbow lakes and thick stands of sweet gum, sweet bay, red maple, oak, pine, and bald cypress. The 5- to 20-foot banks offer plenty of white sandbars suitable for camping or a picnic. You may want to float the meandering creek leisurely paddling your canoe. If the water level is running low, keep an eye out for logs.

The Black Creek National Recreation Trail (open only to foot traffic) runs about 41 miles along the drainage of Black Creek, with about 10 miles within the Wilderness. Here you'll be on a part of the Lower Coastal Plain: piney woods growing over low rolling hills with a few moderate ridges. The relatively flat terrain rises 100 feet on Black Creek itself to only 270 feet on nearby uplands.

Bass and panfish attract anglers, and hunters come in their season, mostly for deer. On many days you'll see no evidence that a human has ever stepped foot in the Wilderness or dipped a canoe paddle into Black Creek.

### Area Management

The Black Creek Wilderness is part of the 109 million acre National Wilderness Preservation System. This System of lands provides clean air, water, and habitat critical for rare and endangered plants and animals. In wilderness, you can enjoy challenging recreational activities like hiking, backpacking, climbing, kayaking, canoeing, rafting, horse packing, bird watching, stargazing, and extraordinary opportunities for solitude. You play an important role in helping to *"secure for the American people of present and future generations the benefits of an enduring resource of wilderness"* as called for by the Congress of the United States through the Wilderness Act of 1964. Please follow the requirements outlined below and use Leave No Trace techniques when visiting the Black

Creek Wilderness to ensure protection of this unique area.

## **General Wilderness Prohibitions**

Motorized equipment and equipment used for mechanical transport is generally prohibited on all federal lands designated as wilderness. This includes the use of motor vehicles, motorboats, motorized equipment, bicycles, hang gliders, wagons, carts, portage wheels, and the landing of aircraft including helicopters, unless provided for in specific legislation.

In a few areas some exceptions allowing the use of motorized equipment or mechanical transport are described in the special regulations in effect for a specific area. Contact the Forest Service office or visit the websites listed below for more specific information.

These general prohibitions have been implemented for all national forest wildernesses in order to implement the provisions of the Wilderness Act of 1964. The Wilderness Act requires management of human-caused impacts and protection of the area's wilderness character to insure that it is "unimpaired for the future use and enjoyment as wilderness." Use of the equipment listed as prohibited in wilderness is inconsistent with the provision in the Wilderness Act which mandates opportunities for solitude or primitive recreation and that wilderness is a place that is in contrast with areas where people and their works are dominant.

## **Wilderness-Specific Regulations**

Wilderness managers often need to take action to limit the impacts caused by visitor activities in order to protect the natural conditions of wilderness as required by the Wilderness Act of 1964. Managers typically implement 'indirect' types of actions such as information and education measures before selecting more restrictive measures. When regulations are necessary, they are implemented with the specific intent of balancing the need to preserve the character of the wilderness while providing for the use and enjoyment of wilderness.

The following wilderness regulations are in effect for this area. Not all regulations are in effect for every wilderness. Contact the national forest office or visit the websites listed below for more specific information about the regulations listed.

- AREA CLOSURE

- THE FOLLOWING ACTS ARE PROHIBITED: 1. STORING EQUIPMENT, PERSONAL PROPERTY, OR SUPPLIES. 2. DISPOSING OF DEBRIS GARBAGE, OR OTHER WASTE. 3. POSSESSING OR USING A WAGON, CART, OR OTHER VEHICLE. 4. OPERATING AN INTERNAL COMBUSTION ENGINE, EXCEPT FOR OUTBOARD MOTORS IN BLACK CREEK RIVER. 5. POSSESSING, DISCHARGING, OR USING ANY TYPE FIREWORKS OR OTHER PYROTECHNIC DEVICE. VIOLATION OF THIS PROHIBITION IS PUNISHABLE BY A FINE OF NOT MORE THAN \$5,000 OR IMPRISONMENT FOR NOT MORE THAN SIX MONTHS OR BOTH.
- MAXIMUM LENGTH OF STAY : 30 DAYS
  - CAMPING FOR A PERIOD LONGER THAN THIRTY (30) CONSECUTIVE DAYS ON ALL FOREST SERVICE LANDS IN MISSISSIPPI WITH THE EXCEPTION OF DEVELOPED RECREATION AREAS IS PROHIBITED. VIOLATION OF THIS PROHIBITION IS PUNISHABLE BY A FINE OF NOT MORE THAN \$5,000 OR IMPRISONMENT FOR NOT MORE THAN SIX MONTHS OR BOTH.

## Contacts

### De Soto Ranger District

PO BOX 248

654 WEST FRONTAGE ROAD

WIGGINS, MS 39577

Restrictions: Office hours are from 7:30 AM to 4:00 PM, Monday through Friday, except federal holidays.

Phone: 601-928-6160

## Links to Other Websites

<http://www.southernregion.fs.fed.us/mississippi/desoto/> -- De Soto Ranger District Website - National Forests in Mississippi

## Links on Wilderness.net

<http://www.wilderness.net/index.cfm?fuse=NWPS&sec=links&WLCID=7#results> --

National, Regional and Local Wilderness Organizations (NGOs)

A listing of societies, organizations, coalitions and other wilderness-related advocacy and stewardship groups.

<http://www.wilderness.net/index.cfm?fuse=NWPS&sec=links&WLCID=11#results> --

Career and Volunteer Opportunities

A listing of sites providing information about wilderness- and environmentally-related career and volunteer opportunities.

## Things to Consider When Planning a Trip to Wilderness

- Plan Ahead and Prepare
  - Know the regulations and special concerns for the area you'll visit.
  - Prepare for extreme weather, hazards, and emergencies.
  - Schedule your trip to avoid times of high use.
  - Visit in small groups. Split larger parties into groups of 4-6.
  - Repackage food to minimize waste.
  - Use a map and compass to eliminate the use of marking paint, rock cairns or flagging.
- Travel and Camp on Durable Surfaces
  - Durable surfaces include established trails and campsites, rock, gravel, dry grasses or snow.
  - Protect riparian areas by camping at least 200 feet from lakes and streams.
  - Good campsites are found, not made. Altering a site is not necessary.
  - In popular areas:
    - Concentrate use on existing trails and campsites.
    - Walk single file in the middle of the trail, even when wet or muddy.
    - Keep campsites small. Focus activity in areas where vegetation is absent.
  - In pristine areas:
    - Disperse use to prevent the creation of campsites and trails.
    - Avoid places where impacts are just beginning.
- Dispose of Waste Properly
  - Pack it in, pack it out. Inspect your campsite and rest areas for trash or spilled foods. Pack out all trash, leftover food, and litter.
  - Deposit solid human waste in catholes dug 6 to 8 inches deep at least 200 feet from water, camp, and trails. Cover and disguise the cathole when finished.
  - Pack out toilet paper and hygiene products.
  - To wash yourself or your dishes, carry water 200 feet away from streams or lakes and use small amounts of biodegradable soap. Scatter strained dishwater.
- Leave What You Find
  - Preserve the past: examine, but do not touch, cultural or historic structures and artifacts.
  - Leave rocks, plants and other natural objects as you find them.
  - Avoid introducing or transporting non-native species.
  - Do not build structures, furniture, or dig trenches.
- Minimize Campfire Impacts
  - Campfires can cause lasting impacts to the backcountry. Use a lightweight stove for

cooking and enjoy a candle lantern for light.

- Where fires are permitted, use established fire rings, fire pans, or mound fires.
- Keep fires small. Only use sticks from the ground that can be broken by hand.
- Burn all wood and coals to ash, put out campfires completely, then scatter cool ashes.
- **Respect Wildlife**
  - Observe wildlife from a distance. Do not follow or approach them.
  - Never feed animals. Feeding wildlife damages their health, alters natural behaviors, and exposes them to predators and other dangers.
  - Protect wildlife and your food by storing rations and trash securely.
  - Control pets at all times, or leave them at home.
  - Avoid wildlife during sensitive times: mating, nesting, raising young, or winter.
- **Be Considerate of Other Visitors**
  - Respect other visitors and protect the quality of their experience.
  - Be courteous. Yield to other users on the trail.
  - Step to the downhill side of the trail when encountering pack stock.
  - Take breaks and camp away from trails and other visitors.
  - Let nature's sounds prevail. Avoid loud voices and noises.

The source for the above information is the Leave No Trace: Center for Outdoor Ethics. For more detailed information on the seven principles of Leave No Trace and suggestions you can use to help plan a trip to wilderness, visit the following address: <http://www.lnt.org/programs/lnt7/index.html>.

## **General Equipment List**

The following is a general list of the types of equipment recommended for backcountry travel. You will want to modify this list accordingly for the climate in which you will be traveling. For example, if you are traveling in cold, high-mountain country you will may want to pack additional cold-weather clothing or mountaineering gear. Additionally, if you plan hunt, fish, canoe etc. in wilderness, you will want to pack additional gear needed for such activities.

- Tent
- Sleeping bag with stuff sack
- Backpack
- Clothing
  - Hiking boots (broken in and waterproofed)

- Socks (wool and liner)
- Jacket/sweater
- Rain gear
- Hat and/or stocking cap
- Shirts (long- and short-sleeve), pants, shorts (pack according to the climate you will be travelling in)
- Cook stove with extra fuel bottle
- Cook pans
- Waterproof matches or lighter
- Bear canister (if travelling in bear country)
- Rope (long enough to hang food, if necessary)
- Cup, bowl, spoon, fork, knife (sharpened)
- Water bottles or canteens
- Water filter or water treatment kit
- Garbage bags, ziplock-type bags (for packing out waste and repackaging food)
- Sun glasses
- Mosquito repellent, chapstick, sun screen
- Toilet paper (in plastic bag with additional plastic bag for packing out used paper)
- Flashlight or headlamp (with extra batteries and bulb), candle lantern
- Toiletries (toothbrush/paste, personal medications etc.)
- First-aid kit, emergency survival blanket
- Repair kits for your stove, tent, backpack, hiking boots etc.
- Camera, binoculars
- Maps, compass, field guide, guidebook

The above information was obtained from the following URL and is current as of 2/26/10:

<http://www.wilderness.net/index.cfm?fuse=NWPS&sec=wildView&WID=54>



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▼ Aleutian Islands Wilderness, Alaska

Visit our mobile website: <http://m.wilderness.net>

Keywords:



- ▶ About Wilderness
- ▶ Wilderness Stewardship
- ▶ Tools for Managers
- ▶ Research
- ▶ Education
- ▶ Find a Wilderness
- ▼ Maps, Data and Images

Home > Maps, Data, and Images > Maps > GIS Map

### U.S. National Wilderness Preservation System Map Text size: [A](#) | [A](#) | [A](#)

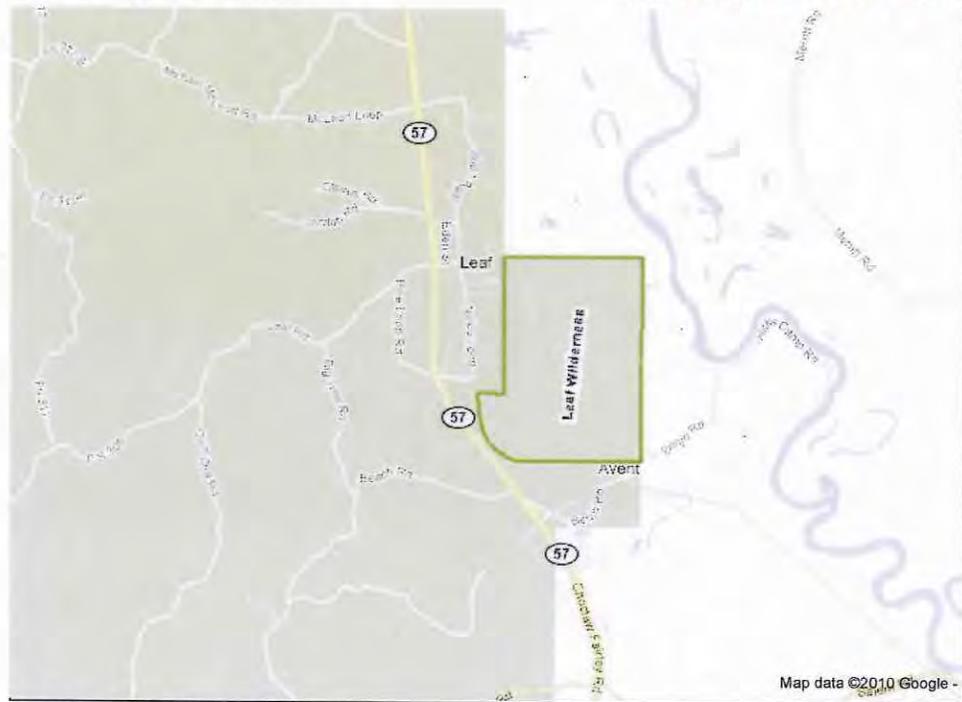
**Click inside a wilderness polygon to open an information window (window may take a second to appear).** Want to [give us feedback](#) on our map?

Print/View/Download:

Zoom: U.S.   Wilderness

On/Off: Wilderness Names

Key:  BLM  FWS  FS  NPS



Latitude/longitude: 31.0410213, -88.797169

**Disclaimer:** Wilderness.net's GIS-based map overlays wilderness boundaries on satellite data provided by Google Maps. Boundary updates are obtained from the wilderness management agencies. Boundary names containing "(Draft boundary)" have not been finalized and are not official. Different wildernesses treat inholdings differently, so you should consult agency-specific maps to identify the exact location of private inholdings within wilderness. Wilderness.net manages this map as a service to Internet users of digital geographic data. Wilderness.net is in no way condoning or endorsing the application of these data for any given purpose. It is the sole responsibility of the user to determine whether or not the data are suitable for the intended purpose. It is also the obligation of the user to apply those data in an appropriate and conscientious manner. Although Wilderness.net attempts to use the most current and complete geospatial data available, accuracy varies. Wilderness.net provides no warranty, nor accepts any liability occurring from any incorrect, incomplete, or misleading data, or from any incorrect, incomplete, or misleading use of these data.

On 3/30/09 President Obama signed the Omnibus Public Land Management Act of 2009 (Public law 111-11) into law. This law designated 52 new wilderness areas and added acreage to 26 existing areas, a total addition to the NWPS of over 2 million acres. All these new areas

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Maps of the National Wilderness Preservation System have been produced for many years. Read about the [history of wilderness mapping](#).

About Us  | [Site Map](#) | [Contact Us](#) | [Wilderness.net policies](#)



Feedback Analytics

## Leaf Wilderness Fact Sheet

### General

The United States Congress designated the Leaf Wilderness in 1984 and it now has a total of 994 acres. All of the wilderness is in Mississippi and is managed by the Forest Service.

South Mississippi's tiny Leaf Wilderness lies almost entirely on the floodplain of the east-flowing Leaf River, just north of Black Creek Wilderness. Except for a little western upland, the entire Wilderness consists of meandering sloughs, oxbow lakes, and level terrain of spruce-pine forest or oak-gum-cypress river bottom. Loblolly and shortleaf pines shade the upland, with a dense understory of dogwood, redbud, persimmon, blueberries, and honeysuckle. The only threatening shrub is poison oak, which always seems to find a way to make contact with exposed skin. The 1.5 mile Leaf Trail, one of two main attractions in the area, crosses the Wilderness and three bridges and a boardwalk to access this piece of Mississippi, where camping is unrestricted. The other attraction is wildlife, including white-tailed deer and wild turkeys, which bring in hunters during the fall months.

### Area Management

The Leaf Wilderness is part of the 109 million acre National Wilderness Preservation System. This System of lands provides clean air, water, and habitat critical for rare and endangered plants and animals. In wilderness, you can enjoy challenging recreational activities like hiking, backpacking, climbing, kayaking, canoeing, rafting, horse packing, bird watching, stargazing, and extraordinary opportunities for solitude. You play an important role in helping to *"secure for the American people of present and future generations the benefits of an enduring resource of wilderness"* as called for by the Congress of the United States through the Wilderness Act of 1964. Please follow the requirements outlined below and use Leave No Trace techniques when visiting the Leaf Wilderness to ensure protection of this unique area.

### General Wilderness Prohibitions

Motorized equipment and equipment used for mechanical transport is generally prohibited on all federal lands designated as wilderness. This includes the use of motor vehicles, motorboats, motorized equipment, bicycles, hang gliders, wagons, carts, portage wheels, and the landing of aircraft including helicopters, unless provided for in

specific legislation.

In a few areas some exceptions allowing the use of motorized equipment or mechanical transport are described in the special regulations in effect for a specific area. Contact the Forest Service office or visit the websites listed below for more specific information.

These general prohibitions have been implemented for all national forest wildernesses in order to implement the provisions of the Wilderness Act of 1964. The Wilderness Act requires management of human-caused impacts and protection of the area's wilderness character to insure that it is "unimpaired for the future use and enjoyment as wilderness." Use of the equipment listed as prohibited in wilderness is inconsistent with the provision in the Wilderness Act which mandates opportunities for solitude or primitive recreation and that wilderness is a place that is in contrast with areas where people and their works are dominant.

### **Wilderness-Specific Regulations**

Wilderness managers often need to take action to limit the impacts caused by visitor activities in order to protect the natural conditions of wilderness as required by the Wilderness Act of 1964. Managers typically implement 'indirect' types of actions such as information and education measures before selecting more restrictive measures. When regulations are necessary, they are implemented with the specific intent of balancing the need to preserve the character of the wilderness while providing for the use and enjoyment of wilderness.

The following wilderness regulations are in effect for this area. Not all regulations are in effect for every wilderness. Contact the national forest office or visit the websites listed below for more specific information about the regulations listed.

- CACHING OF EQUIPMENT PROHIBITED
- DISPOSING OF DEBRIS, GARBAGE PROHIBITED
- FIREWORKS PROHIBITED
  - POSSESSING, DISCHARGING, OR USING ANY TYPE FIREWORKS OR OTHER PYROTECHNIC DEVICE IS PROHIBITED.
- MAXIMUM LENGTH OF STAY : 30 DAYS
  - CAMPING IS PROHIBITED FOR A PERIOD OF LONGER THAN THIRTY (30) CONSECUTIVE DAYS ON ALL FOREST SERVICE LANDS IN MISSISSIPPI WITH THE EXCEPTION OF DEVELOPED RECREATION AREAS UNTIL FURTHER NOTICE. VIOLATION OF THIS

PROHIBITION IS PUNISHABLE BY A FINE OF NOT MORE THAN \$5,000 OR IMPRISONMENT FOR NOT MORE THAN SIX MONTHS OR BOTH.

- MECHANICAL PROPULSION DEVICES PROHIBITED
  - OPERATING AN INTERNAL COMBUSTION ENGINE, EXCEPT FOR OUTBOARD MOTORS IN THE BLACK CREEK RIVER.
- WAGON, WHEELBARROW, STROLLER, BICYCLE, GAME CART OR OTHER VEHICLE PROHIBITED (WHEELCHAIRS ALLOWED)

## Contacts

### De Soto Ranger District

PO BOX 248

654 WEST FRONTAGE ROAD

WIGGINS, MS 39577

Restrictions: Office hours are from 7:30 AM to 4:00 PM, Monday through Friday, except federal holidays.

Phone: 601-928-6160

## Links to Other Websites

<http://www.southernregion.fs.fed.us/mississippi/desoto/> -- De Soto Ranger District Website - National Forests in Mississippi

## Links on Wilderness.net

<http://www.wilderness.net/index.cfm?fuse=NWPS&sec=links&WLCID=7#results> --

National, Regional and Local Wilderness Organizations (NGOs)

A listing of societies, organizations, coalitions and other wilderness-related advocacy and stewardship groups.

<http://www.wilderness.net/index.cfm?fuse=NWPS&sec=links&WLCID=11#results> --

Career and Volunteer Opportunities

A listing of sites providing information about wilderness- and environmentally-related career and volunteer opportunities.

## Things to Consider When Planning a Trip to Wilderness

- Plan Ahead and Prepare
  - Know the regulations and special concerns for the area you'll visit.
  - Prepare for extreme weather, hazards, and emergencies.
  - Schedule your trip to avoid times of high use.

- Visit in small groups. Split larger parties into groups of 4-6.
- Repackage food to minimize waste.
- Use a map and compass to eliminate the use of marking paint, rock cairns or flagging.
- Travel and Camp on Durable Surfaces
  - Durable surfaces include established trails and campsites, rock, gravel, dry grasses or snow.
  - Protect riparian areas by camping at least 200 feet from lakes and streams.
  - Good campsites are found, not made. Altering a site is not necessary.
  - In popular areas:
    - Concentrate use on existing trails and campsites.
    - Walk single file in the middle of the trail, even when wet or muddy.
    - Keep campsites small. Focus activity in areas where vegetation is absent.
  - In pristine areas:
    - Disperse use to prevent the creation of campsites and trails.
    - Avoid places where impacts are just beginning.
- Dispose of Waste Properly
  - Pack it in, pack it out. Inspect your campsite and rest areas for trash or spilled foods. Pack out all trash, leftover food, and litter.
  - Deposit solid human waste in catholes dug 6 to 8 inches deep at least 200 feet from water, camp, and trails. Cover and disguise the cathole when finished.
  - Pack out toilet paper and hygiene products.
  - To wash yourself or your dishes, carry water 200 feet away from streams or lakes and use small amounts of biodegradable soap. Scatter strained dishwater.
- Leave What You Find
  - Preserve the past: examine, but do not touch, cultural or historic structures and artifacts.
  - Leave rocks, plants and other natural objects as you find them.
  - Avoid introducing or transporting non-native species.
  - Do not build structures, furniture, or dig trenches.
- Minimize Campfire Impacts
  - Campfires can cause lasting impacts to the backcountry. Use a lightweight stove for cooking and enjoy a candle lantern for light.
  - Where fires are permitted, use established fire rings, fire pans, or mound fires.
  - Keep fires small. Only use sticks from the ground that can be broken by hand.
  - Burn all wood and coals to ash, put out campfires completely, then scatter cool ashes.
- Respect Wildlife

- Observe wildlife from a distance. Do not follow or approach them.
- Never feed animals. Feeding wildlife damages their health, alters natural behaviors, and exposes them to predators and other dangers.
- Protect wildlife and your food by storing rations and trash securely.
- Control pets at all times, or leave them at home.
- Avoid wildlife during sensitive times: mating, nesting, raising young, or winter.
- Be Considerate of Other Visitors
  - Respect other visitors and protect the quality of their experience.
  - Be courteous. Yield to other users on the trail.
  - Step to the downhill side of the trail when encountering pack stock.
  - Take breaks and camp away from trails and other visitors.
  - Let nature's sounds prevail. Avoid loud voices and noises.

The source for the above information is the Leave No Trace: Center for Outdoor Ethics. For more detailed information on the seven principles of Leave No Trace and suggestions you can use to help plan a trip to wilderness, visit the following address: <http://www.lnt.org/programs/lnt7/index.html>.

## General Equipment List

The following is a general list of the types of equipment recommended for backcountry travel. You will want to modify this list accordingly for the climate in which you will be traveling. For example, if you are traveling in cold, high-mountain country you will may want to pack additional cold-weather clothing or mountaineering gear. Additionally, if you plan hunt, fish, canoe etc. in wilderness, you will want to pack additional gear needed for such activities.

- Tent
- Sleeping bag with stuff sack
- Backpack
- Clothing
  - Hiking boots (broken in and waterproofed)
  - Socks (wool and liner)
  - Jacket/sweater
  - Rain gear
  - Hat and/or stocking cap
  - Shirts (long- and short-sleeve), pants, shorts (pack according to the climate you will be travelling in)

- Cook stove with extra fuel bottle
- Cook pans
- Waterproof matches or lighter
- Bear canister (if travelling in bear country)
- Rope (long enough to hang food, if necessary)
- Cup, bowl, spoon, fork, knife (sharpened)
- Water bottles or canteens
- Water filter or water treatment kit
- Garbage bags, ziplock-type bags (for packing out waste and repackaging food)
- Sun glasses
- Mosquito repellent, chapstick, sun screen
- Toilet paper (in plastic bag with additional plastic bag for packing out used paper)
- Flashlight or headlamp (with extra batteries and bulb), candle lantern
- Toiletries (toothbrush/paste, personal medications etc.)
- First-aid kit, emergency survival blanket
- Repair kits for your stove, tent, backpack, hiking boots etc.
- Camera, binoculars
- Maps, compass, field guide, guidebook

The above information was obtained from the following URL and is current as of 2/26/10:

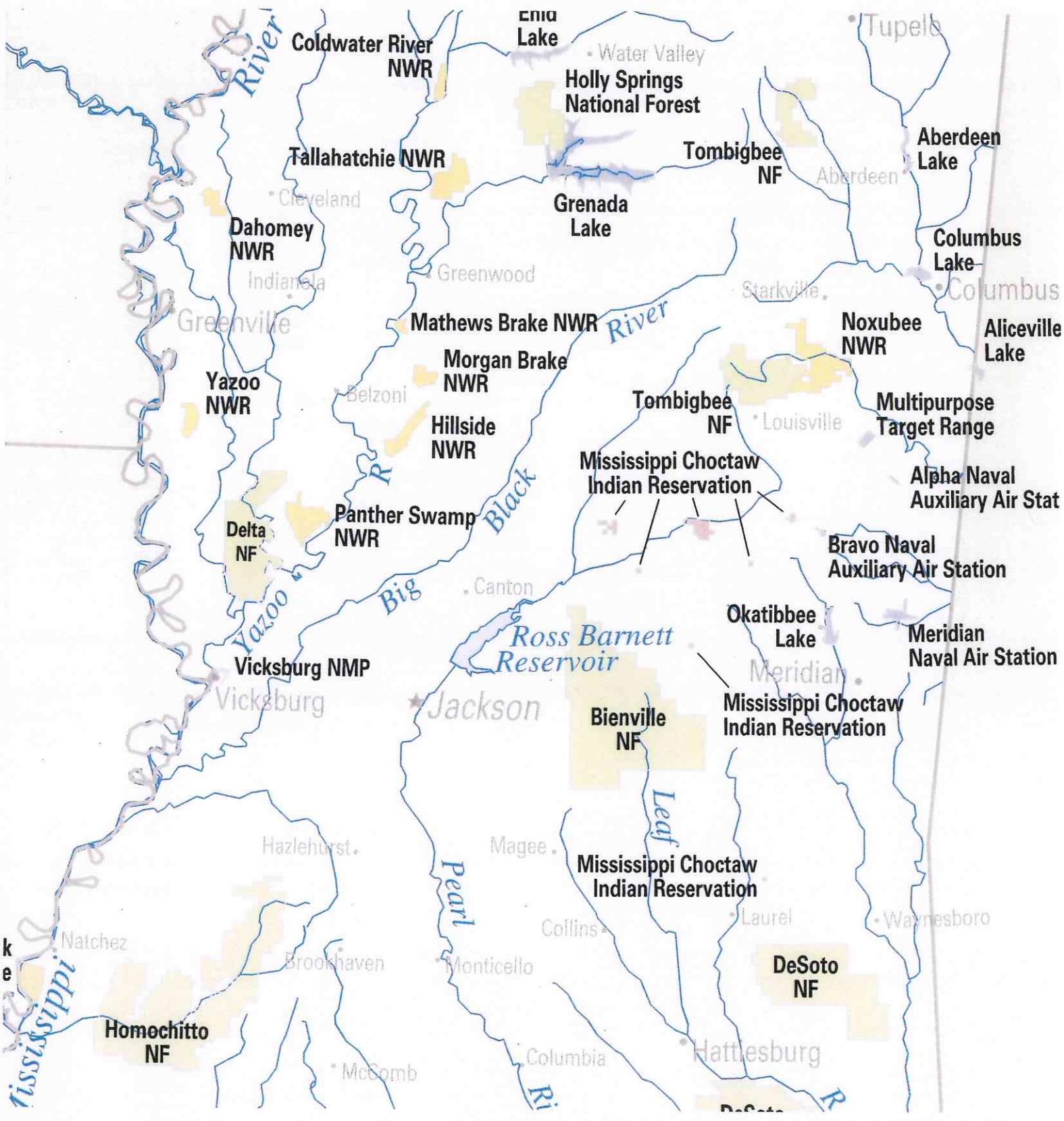
<http://www.wilderness.net/index.cfm?fuse=NWPS&sec=wildView&WID=314>



Feedback Analytics

# Appendix C





# Southeast Region

## Conserving the Nature of America

- [Refuge Finder](#)
- [Service Finder](#)
- [Office Finder](#)
- [Contact Finder](#)
- [About Southeast Region](#)
- [Climate Change in the SE](#)
- [Connecting People with Nature:](#)
  - [Lets Go Outside](#)
  - [Educators](#)
  - [Southeast Kids](#)
  - [Reference and Research](#)
  - [Publications](#)
  - [Southeastern Currents](#)
- [Fish & Wildlife](#)
  - [Ecological Services](#)
    - [Contaminants](#)
    - [Coastal Program](#)
    - [Partners for FWS](#)
    - [T & E](#)
    - [Species: Achieving Recovery and Preventing Extinction](#)
    - [Recovery Program](#)
  - [Aquatic Resources: National Fish Habitat Action Plan](#)
  - [Migratory Birds: Conservation & Management](#)
- [Get Involved](#)
  - [Business Opportunities](#)
  - [Friends](#)
  - [Jobs](#)
  - [Volunteer](#)
- [NWRS: Conserving Our Lands & Resources](#)
  - [National Wildlife Refuges](#)
  - [Invasive Species](#)
- [Landscape Conservation:](#)

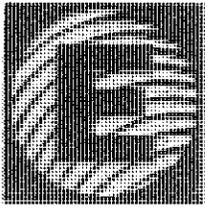
### Map of Mississippi



### National Wildlife Refuges

[Bogue Chitto NWR](#)  
[Dahomey NWR](#)  
[Grand Bay NWR](#)  
[Hillside NWR](#)  
[Holt Collier NWR](#)  
[Mathews Brake NWR](#)  
[MS Sandhill Crane NWR](#)  
[Morgan Brake NWR](#)  
[Noxubee NWR](#)  
[Panther Swamp NWR](#)

## **Appendix D**



**ENVIRONMENTAL ENGINEERS, INC.**

**11578 US Highway 411, Odenville, Alabama 35120**

*Environmental and Geological Consultants*

January 27, 2009

Mr. Ray Aycock  
United States Fish and Wildlife Service  
6578 Dogwood View Parkway  
Jackson, Mississippi 39213

Subject:

**Proposed MSWIN 20618 B Communications Tower**  
**Kosciusko, Leake County, Mississippi**  
Environmental Engineers, Inc. Project No.: JSE01P0820

Dear Mr. Aycock:

Environmental Engineers, Inc. is requesting comment from the U.S. Fish and Wildlife Service on behalf of Towers of Mississippi and the State of Mississippi regarding impact to threatened or endangered species by construction of a guyed wireless communications tower in Leake County, Mississippi.

The site is depicted on the United States Geological Survey 7.5-minute Topographic Quadrangle "Four Corners, Mississippi," dated 1989. The site is located in the southeast  $\frac{1}{4}$  of the southwest  $\frac{1}{4}$  of Section 1, Township 12 North, Range 9 East, Leake County, Mississippi, at latitude  $32^{\circ} 55' 00.51''$  north and longitude  $89^{\circ} 19' 44.45''$  west (Figure 1). Proposed activities consist of construction of a 480-foot guyed communications tower, enclosing the compound in a fence, placement of associated equipment within the compound, and covering the compound with gravel.

On January 21, 2009, I performed a pedestrian survey of the proposed 100-foot by 100-foot lease area and the proposed access road. At the time of the survey, visual inspection was made of the site and land adjacent to the site. The purpose of this survey was to determine if wetlands were present on site and if potential habitat for listed species or individuals of listed species were present on site.

The site consists of a 100-foot by 100-foot lease area with three associated guy anchor easements and a proposed/existing access road. The site is located east of Highway 25 near Kosciusko, Mississippi. The lease area is located in a wooded area and slopes downward from the center of the site to the north, east, and west. The majority of the proposed compound is located on a former logging road. The eastern and western portions of the proposed compound are wooded with immature pine trees. The northeastern guy anchor contains pine trees approximately ten inches in diameter at breast height (dbh) with light understory. The southeastern and western guy anchor easements contain immature pine trees with moderate understory. The proposed access road enters the site from the south, following an existing dirt road then turning northeast to the site.

**Phone: (205) 629-3868 • Fax: (877) 847-3060**

The U.S. Fish and Wildlife Service (USFWS) lists two species as threatened occurring in Leake County, Mississippi. These are the ringed map turtle and Louisiana black bear. No presence of listed individuals or potential habitat for these listed individuals was determined from this survey. Site photographs have been included in this report.

Environmental Engineers, Inc. appreciates the opportunity to provide this information. Please reference the Environmental Engineers, Inc. project number (JSE01P0820) in correspondence regarding this site. Thank you for your time and assistance and we look forward to your response. Please call us at (205) 629-3868 if you have any questions or comments.

Sincerely,

ENVIRONMENTAL ENGINEERS, INC.



Anne B. Gilbert, P.E.  
Principal Engineer

Attachments: Site Location Map  
Site Photographs  
Table of Listed Species Occurring in Leake County, Mississippi



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For delivery information visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

7007 2680 0002 3655 5981

Postage	\$	1/28/09 Postmark Here JSE01P0819 JSE01P0820 JSE01P0902
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 6.41	
Sent To		Mr. Ray Aycock
Street, Apt. No., or PO Box No.		
City, State, ZIP+4		

PS Form 3800, August 2006

See Reverse for Instructions

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Ray Aycock  
 USF+WS  
 6578 Dogwood View Pkwy  
 Jackson, MS 39213

2. Article Number  
 (Transfer from service label)

7007 2680 0002 3655 5981

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  Agent  Addressee  
*K. Winstone*

B. Received by (Printed Name) *K. Winstone*

C. Date of Delivery *1/28/09*

D. Is delivery address different from item 1?  Yes  No  
 If YES, enter delivery address below:

3. Service Type

Certified Mail  Express Mail  
 Registered  Return Receipt for Merchandise  
 Insured Mail  C.O.D.

4. Restricted Delivery? (Extra Fee)  Yes



United States Department of the Interior

FISH AND WILDLIFE SERVICE  
Mississippi Field Office  
6578 Dogwood View Parkway, Suite A  
Jackson, MS 39213



February 23, 2009

ENVIRONMENTAL ENGINEERS

Ms. Anne Gilbert  
Environmental Engineers, Inc.  
11578 US Highway 411  
Odenville, Alabama 35120

FEB 25 2009

RECEIVED

RE: Proposed Tower in Leake County, Mississippi, Project No: JSE01P0820

Dear Ms. Gilbert:

The U.S. Fish and Wildlife Service (Service) received your letter dated January 27, 2009 regarding the proposed construction of a new wireless telecommunications structure in Leake County, Mississippi. The proposal is for constructing a 480-foot guyed-wire tower within a 100-foot by 100-foot fenced equipment compound and three anchor easements located east of Highway 25 near Kosciusko. Our comments are submitted in accordance with the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) and the Migratory Bird Treaty Act (16 U.S.C. 703-711).

There is one terrestrial listed species for Leake County, the threatened Louisiana black bear. Since the proposed site is not bottomland hardwood habitat and has a relatively small project footprint, the Service determines that this project will have no effect on listed species or critical habitat. However, due to the adverse impact these towers can have on migratory birds, we are attaching guidelines to reduce bird mortality.

Thank you for the opportunity to comment on this project. Please contact this office if your project plans change or if you have any questions. My office phone number is (601) 321-1129.

Sincerely,

Terri Jacobson  
Fish and Wildlife Biologist

# Appendix E

## U.S. Fish and Wildlife Service Tower Guidance

Due to the adverse impact telecommunications towers can have on migratory birds, we would like to make the following recommendations:

1. Co-locate communications equipment on an existing communication tower or other structure (e.g., billboard, water tower, or building mount). Depending on tower load factors, from 6 to 10 providers may collocate on an existing tower.
2. If co-location is not feasible and a new tower or towers are to be constructed, towers should be no more than 199 feet above ground level (AGL), use construction techniques which do not require guy wires (e.g., use a lattice structure, monopole, etc.). Towers should be unlighted if Federal Aviation Administration regulations permit.
3. If constructing multiple towers, consider the cumulative impacts of all towers to migratory birds and threatened and endangered species as well as the impacts of each individual tower.
4. If at all possible, new towers should be sited within existing "antenna farms" (clusters of towers). Towers should not be sited in or near wetlands, other known bird concentration areas (e.g., state or Federal refuges, staging areas, rookeries), in known migratory or daily movement flyways, or in habitat of threatened or endangered species. Towers should not be sited in areas with a high incidence of fog, mist, and low ceilings.
5. If taller (>199 feet AGL) towers requiring lights for aviation safety must be constructed, the minimum amount of pilot warning and obstruction avoidance lighting required by the FAA should be used. Unless otherwise required by the FAA, only white (preferable) or red strobe lights should be used at night, and these should be the minimum number, minimum intensity, and minimum number of flashes per minute (longest duration between flashes) allowable by the FAA. The use of solid red or pulsating red warning lights at night should be avoided. Current research indicates that solid or pulsating (beacon) red lights attract night-migrating birds at a much higher rate than white strobe lights. Red strobe lights have not yet been studied.
6. Tower designs using guy wires for support which are proposed to be located in known raptor or waterbird concentration areas or daily movement routes, or in major diurnal migratory bird movement routes or stopover sites, should have daytime visual markers on the wires to prevent collisions by these diurnally moving species. (For guidance on markers, see *Suggested Practices for Avian Protection on Power Lines: The State of the Art in 2006* - a profile of the research and safeguards available to remedy the issue of avian electrocutions. Copies can be obtained from Edison Electric Institute by calling 1-800-334-5453 or via the Internet at [http://www.eei.org/products\\_and\\_services/descriptions\\_and\\_access/index.htm](http://www.eei.org/products_and_services/descriptions_and_access/index.htm).

7. Towers and appendant facilities should be sited, designed and constructed so as to avoid or minimize habitat loss within and adjacent to the tower "footprint". However, a larger tower footprint is preferable to the use of guy wires in construction. Road access and fencing should be minimized to reduce or prevent habitat fragmentation and disturbance, and to reduce above ground obstacles to birds in flight.
8. If significant numbers of breeding, feeding, or roosting birds are known to habitually use the proposed tower construction area, relocation to an alternate site is recommended.
9. In order to reduce the number of towers needed in the future, new towers should be designed structurally and electrically to accommodate comparable antennas for at least two additional users (minimum of three users for each tower structure), unless this design would require the addition of lights or guy wires to an otherwise unlighted and/or unguyed tower.
10. Security lighting for on-ground facilities and equipment should be down-shielded to keep light within the boundaries of the site.
11. Service personnel or researchers from the Communication Tower Working Group should be allowed, if asked, access to the site to evaluate bird use, conduct dead-bird searches, to place net catchments below the towers but above the ground, and to place radar, Global Positioning System, infrared, thermal imagery, and acoustical monitoring equipment as necessary to assess and verify bird movements and to gain information on the impacts of various tower sizes, configurations, and lighting systems.
12. Towers no longer in use or determined to be obsolete should be removed within twelve months of cessation of use.

These voluntary recommendations are based on the Service's Guidance on the Siting, Construction, Operation and Decommissioning of Communications Towers which can be found at <http://www.fws.gov/migratorybirds/issues/towers/comtow.html>.

In order to obtain information on the usefulness of these guidelines in preventing bird strikes, and to identify any recurring problems with their implementation which may necessitate modifications, please advise us of the final location and specifications of the proposed tower. In your response please explain which of the recommended measures were implemented and if the recommended measures could not be implemented, please explain why they were not feasible.

# Appendix F

## Henry Fisher

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**From:** towernotifyinfo@fcc.gov  
**Sent:** Friday, January 09, 2009 11:27 AM  
**To:** towerinfo@envciv.com  
**Subject:** Proposed Tower Structure Info - Email ID #2097565

Dear Henry A Fisher,

Thank you for submitting a notification regarding your proposed structure via the Tower Construction Notification Application. Note that the FCC has assigned a unique Notification ID number for this proposed structure.

You will need to reference this Notification ID number when you update your project's Status with us.

Below are the details you provided for the tower you have proposed to construct:

Notification Received: 01/09/2009

Notification ID: 48088

Tower Owner Individual or Entity Name: Towers of Mississippi/State of Mississippi

Consultant Name: Henry A Fisher

Street Address: 11578 U.S. Highway 411

City: Odenville

State: ALABAMA

Zip Code: 35120

Phone: 205-629-3868

Email: [towerinfo@envciv.com](mailto:towerinfo@envciv.com)

Structure Type: GTOWER - Guyed Tower

Latitude: 32 deg 55 min 00.5 sec N

Longitude: 89 deg 19 min 44.4 sec W

Location Description: off Hwy 25

City: Kosciusko

State: MISSISSIPPI

County: LEAKE

Ground Elevation: 149.7 meters

Support Structure: 146.3 meters above ground level

Overall Structure: 146.3 meters above ground level

Overall Height AMSL: 296 meters above mean sea level

**Henry Fisher**

**From:** towernotifyinfo@fcc.gov  
**Sent:** Friday, January 16, 2009 2:01 AM  
**To:** towerinfo@envciv.com  
**Cc:** kim.pristello@fcc.gov; diane.dupert@fcc.gov  
**Subject:** NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #2099045

Dear Sir or Madam:

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this electronic mail message is to inform you that the following authorized persons were sent the information you provided through TCNS, which relates to your proposed antenna structure. The information was forwarded by the FCC to authorized TCNS users by electronic mail and/or regular mail (letter).

Persons who have received the information that you provided include leaders or their designees of federally-recognized American Indian Tribes, including Alaska Native Villages (collectively "Tribes"), Native Hawaiian Organizations (NHOs), and State Historic Preservation Officers (SHPOs). For your convenience in identifying the referenced Tribes and in making further contacts, the City and State of the Seat of Government for each Tribe and NHO, as well as the designated contact person, is included in the listing below. We note that Tribes may have Section 106 cultural interests in ancestral homelands or other locations that are far removed from their current Seat of Government. Pursuant to the Commission's rules as set forth in the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA), all Tribes and NHOs listed below must be afforded a reasonable opportunity to respond to this notification, consistent with the procedures set forth below, unless the proposed construction falls within an exclusion designated by the Tribe or NHO. (NPA, Section IV.F.4).

The information you provided was forwarded to the following Tribes and NHOs who have set their geographic preferences on TCNS. If the information you provided relates to a proposed antenna structure in the State of Alaska, the following list also includes Tribes located in the State of Alaska that have not specified their geographic preferences. For these Tribes and NHOs, if the Tribe or NHO does not respond within a reasonable time, you should make a reasonable effort at follow-up contact, unless the Tribe or NHO has agreed to different procedures (NPA, Section IV.F.5). In the event such a Tribe or NHO does not respond to a follow-up inquiry, or if a substantive or procedural disagreement arises between you and a Tribe or NHO, you must seek guidance from the Commission (NPA, Section IV.G). These procedures are further set forth in the FCC's Declaratory Ruling released on October 6, 2005 (FCC 05-176).

1. THPO Kenneth H Carleton - Mississippi Band of Choctaw Indians - Choctaw, MS - electronic mail

Exclusions: Please send all information via e-mail (and only via e-mail - no paper copies please) to: choctawhp@gmail.com (9 meg attachment limit)

The Mississippi Band of Choctaw Indians wishes to see full information packets for all towers within the designated areas for consultation.

Form 620, if it includes the a full text of the cultural resource survey with maps, is adequate for our needs. If your 620 does not include the text of the cultural resource survey, then attach it seperately.

Please include the tower identification (TCNS#, name, and any other information that may help us identify this site) and the county and state where the facility is proposed in the subject line.

If the applicant/tower builder receives no response from the Mississippi Band of Choctaw Indians within 30 days AFTER YOU HAVE E-MAILED THE AFOREMENTIONED INFORMATION TO US (begin counting the 30 day period AFTER the e-mail with all of the information has been sent), then the Mississippi Band of Choctaw Indians has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must immediately notify the Mississippi Band of Choctaw Indians in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

2. Compliance Review Supervisor Dawn P Hutchins - Seminole Tribe of Florida - Clewiston, FL - electronic mail

3. Director of Cultural Resources & THPO Terry D Cole - Choctaw Nation of Oklahoma - Durant, OK - electronic mail and regular mail

Exclusions: The Applicant may conclude that the Choctaw Nation of Oklahoma has no interest in a site if there is existing disturbance wherein the depth of the previous disturbance exceeds the proposed construction depth (excluding footing and other anchoring mechanisms) by at least 2 feet (Applying VI - D(2)(c)(i) of the Nationwide Programmatic Agreement concerning Field Surveys; 'In the Matter of Nationwide Programmatic Agreement Regarding the Section 106 National Historic Preservation Act Review Process,' Report and Order, 20 FCC Rcd. 1073, WT Docket No. 03-128, October 5, 2004).

Furthermore, the Choctaw Nation of Oklahoma does not have an interest in a Tower that will be constructed on an existing structure, developed land, or within city limits. However, any of the above mentioned criteria should be communicated to us if not evident in the initial Notification Details. For all other towers, we request a signed field survey report that meets the Federal guidelines set forth by the Department of the Interior and a site location map along with pictures for each project.

Additionally, the Choctaw Nation of Oklahoma has informed FCC Staff that if the Applicant does not receive a response from the Tribe within 30 days of a TCNS notification, then the Applicant SHOULD MAKE A GOOD FAITH EFFORT WITH A FOLLOW-UP PHONE CALL to make sure that the tribe is aware of the proposed tower project. However, should construction expose buried archaeological or building materials such as chipped stone, tools, pottery, bone, historical crockery, glass or metal items, this office should be contacted immediately @ 1-800-522-6170 ext. 2137. [n.b. Please reference the TCNS number in all communications that follow the initial notification.]

4. MEKKO and Acting Tribal Administrator Jennie Lillard - Kialegee Tribal Town - Wetumka, OK - regular mail

Exclusions: If the Applicant receives no response from the Kialegee Tribal Town within 30 days after notification through TCNS, the Kialegee Tribal Town has no interest in participating in pre-construction review for the site. The Applicant, however, must immediately notify the Kialegee Tribal Town in the event archaeological properties or human remains are discovered during construction.

5. THPO Earl J Barbry Jr - Tunica-Biloxi Indians of Louisiana - Marksville, LA - regular mail

The information you provided was also forwarded to the additional Tribes and NHOs listed below. These Tribes and NHOs have NOT set their geographic preferences on TCNS, and therefore they are currently receiving tower notifications for the entire United States. For these Tribes and NHOs, you are required to use reasonable and good faith efforts to determine if the Tribe or NHO may attach religious and cultural significance to historic properties that may be affected by its proposed undertaking. Such efforts may include, but are not limited to, seeking information from the relevant SHPO or THPO, Indian Tribes, state agencies, the U.S. Bureau of Indian Affairs, or, where applicable, any federal agency with land holdings within the state (NPA, Section IV.B). If after such reasonable and good faith efforts, you determine that a Tribe or NHO may attach religious and cultural significance to historic properties in the area and the Tribe or NHO does not respond to TCNS notification within a reasonable time, you should make a reasonable effort to follow up, and must seek guidance from the Commission in the event of continued non-response or in the event of a procedural or substantive disagreement. If you determine that the Tribe or NHO is unlikely to attach religious and cultural significance to historic properties within the area, you do not need to take further action unless the Tribe or NHO indicates an interest in the proposed construction or other evidence of potential interest comes to your attention.

None

The information you provided was also forwarded to the following SHPOs in the State in which you propose to construct and neighboring States. The information was provided to these SHPOs as a courtesy for their information and planning. You need make no effort at this time to follow up with any SHPO that does not respond to this notification. Prior to construction, you must provide the SHPO of the State in which you propose to construct (or the Tribal Historic Preservation Officer, if the project will be located on certain Tribal lands), with a Submission Packet pursuant to Section VII.A of the NPA.

6. SHPO Lee Warner - Alabama Historical Commission - Montgomery, AL - electronic mail

7. Deputy SHPO Elizabeth Ann Brown - Alabama Historical Commission - Montgomery, AL - electronic mail

8. SHPO Cathie Matthews - Department of Arkansas Heritage - Little Rock, AR - electronic mail

9. Deputy SHPO Ken Grunewald - Department of Arkansas Heritage - Little Rock, AR - electronic mail

10. SHPO Elbert Hilliard - Mississippi Dept of Archives & History - Jackson, MS - regular mail

11. Deputy SHPO Kenneth H P'Pool - Division of Historic Preservation - Jackson, MS -  
electronic mail

"Exclusions" above set forth language provided by the Tribe, NHO, or SHPO. These exclusions may indicate types of tower notifications that the Tribe, NHO, or SHPO does not wish to review. TCNS automatically forwards all notifications to all Tribes, NHOs, and SHPOs that have an expressed interest in the geographic area of a proposal, as well as Tribes and NHOs that have not limited their geographic areas of interest. However, if a proposal falls within a designated exclusion, you need not expect any response and need not pursue any additional process with that Tribe, NHO, or SHPO. Exclusions may also set forth policies or procedures of a particular Tribe, NHO, or SHPO (for example, types of information that a Tribe routinely requests, or a policy that no response within 30 days indicates no interest in participating in pre-construction review).

If you are proposing to construct a facility in the State of Alaska, you should contact Commission staff for guidance regarding your obligations in the event that Tribes do not respond to this notification within a reasonable time.

Please be advised that the FCC cannot guarantee that the contact(s) listed above opened and reviewed an electronic or regular mail notification. The following information relating to the proposed tower was forwarded to the person(s) listed above:

Notification Received: 01/09/2009  
Notification ID: 48088  
Tower Owner Individual or Entity Name: Towers of Mississippi/State of Mississippi  
Consultant Name: Henry A Fisher  
Street Address: 11578 U.S. Highway 411  
City: Odenville  
State: ALABAMA  
Zip Code: 35120  
Phone: 205-629-3868  
Email: towerinfo@envciv.com

Structure Type: GTOWER - Guyed Tower  
Latitude: 32 deg 55 min 0.5 sec N  
Longitude: 89 deg 19 min 44.4 sec W  
Location Description: off Hwy 25  
City: Kosciusko  
State: MISSISSIPPI  
County: LEAKE  
Ground Elevation: 149.7 meters  
Support Structure: 146.3 meters above ground level  
Overall Structure: 146.3 meters above ground level  
Overall Height AMSL: 296.0 meters above mean sea level

If you have any questions or comments regarding this notice, please contact the FCC using the electronic mail form located on the FCC's website at:

<http://wireless.fcc.gov/outreach/notification/contact-fcc.html>.

You may also call the FCC Support Center at (877) 480-3201 (TTY 717-338-2824). Hours are from 8 a.m. to 7:00 p.m. Eastern Time, Monday through Friday (except Federal holidays). To provide quality service and ensure security, all telephone calls are recorded.

Thank you,  
Federal Communications Commission

# Appendix G

NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB  
3060-1039  
Estimated Time Per Response:  
.5 to 10 hours

The NT Submission Packet is to be used only for the construction of new antenna support structures. Antenna collocations that are subject to Section 106 review should be submitted using the Collocation ("CO") Submission Packet (FCC Form 621).

General Instructions: NT Submission Packet

Fill out the answers to Questions 1-5 on Form 620 and provide the requested attachments. Attachments should be numbered and provided in the order described below.

For ease of processing, provide the Applicant's Name, Applicant's Project Name, and Applicant's Project Number in the lower right hand corner of each page of Form 620 and attachments.<sup>3</sup>

**1. Applicant Information**

Full Legal Name of Applicant: Towers of Mississippi/State of Mississippi

Name and Title of Contact Person: Taylor Robinson

Address of Contact Person (including Zip Code):  
31560 Blakeley Way, Spanish Fort, AL 36527

Phone: 205-266-4466 Fax: \_\_\_\_\_

E-mail address: trobenson@vulcancompany.com

**2. Applicant's Consultant Information**

Full Legal Name of Applicant's Section 106 Consulting Firm:  
MRS Consultants, LLC.

Name of Principal Investigator: Beth A. Ryba

Title of Principal Investigator: Cultural Resource Specialist/Archaeologist

Investigator's Address: P.O. Box 3146

<sup>3</sup> Some attachments may contain photos or maps on which this information can not be provided.

Towers of Mississippi/  
Applicant's Name: State of Mississippi  
Project Name: Four Corners  
Project Number: 20618B

NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB  
3060-1039  
Estimated Time Per Response:  
.5 to 10 hours

City: Tuscaloosa State AL Zip Code 35403

Phone: 205-556-6456 Fax: 205-556-6725

E-mail Address: earyba@earthlink.net

Does the Principal Investigator satisfy the Secretary of the Interior's Professional Qualification Standards?<sup>4</sup>  YES  NO.

Areas in which the Principal Investigator meets the Secretary of the Interior's Professional Qualification Standards: M.A. Anthropology (Archaeology)

Other "Secretary of the Interior qualified" staff who worked on the Submission Packet (provide name(s) as well as well as the area(s) in which they are qualified):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. Site Information

a. Street Address of Site: 2314 Highway 25 N (nearest street address)

City or Township: Kosciusko

County / Parish: Leake State: MS Zip Code: 39090

b. Nearest Cross Roads: Highway 25 N / Hyde Road

c. NAD 83 Latitude/Longitude coordinates (to tenth of a second):

N 32 ° 55 ' 0.5"; W 89 ° 19 ' 44.4"

<sup>4</sup> The Professional Qualification Standards are available on the cultural resources webpage of the National Park Service, Department of the Interior: <[http://www.cr.nps.gov/local-law/arch\\_stnds\\_9.htm](http://www.cr.nps.gov/local-law/arch_stnds_9.htm)>. The Nationwide Agreement requires use of Secretary-qualified professionals for identification and evaluation of historic properties within the APE for direct effects, and for assessment of effects. The Nationwide Agreement encourages, but does not require, use of Secretary-qualified professionals to identify historic properties within the APE for indirect effects. See Nationwide Agreement, §§ VI.D.1.d, VI.D.1.e, VI.D.2.b, VI.E.5.

Towers of Mississippi/  
Applicant's Name: State of Mississippi  
Project Name: Four Corners  
Project Number: 20618B

NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB  
3060-1039  
Estimated Time Per Response:  
.5 to 10 hours

d. Proposed tower height above ground level:<sup>5</sup> 480 feet; 146.3 meters

e. Tower type:

guyed lattice tower  self-supporting lattice  monopole

other (briefly describe tower) \_\_\_\_\_

4. Project Status:<sup>6</sup>

a.  Construction not yet commenced;

b.  Construction commenced on [date] \_\_\_\_\_; or,

c.  Construction commenced on [date] \_\_\_\_\_ and was completed on [date] \_\_\_\_\_.

5. Applicant's Determination of Effect:

a. Direct Effects (check one):

i.  No Historic Properties in Area of Potential Effects ("APE") for direct effects;

ii.  "No effect" on Historic Properties in APE for direct effects;

iii.  "No adverse effect" on Historic Properties in APE for direct effects;

iv.  "Adverse effect" on one or more Historic Properties in APE for direct effects.

b. Visual Effects (check one):

i.  No Historic Properties in Area of Potential Effects ("APE") for visual effects;

ii.  "No effect" on Historic Properties in APE for visual effects;

iii.  "No adverse effect" on Historic Properties in APE for visual effects;

iv.  "Adverse effect" on one or more Historic Properties in APE for visual effects.

<sup>5</sup> Include top-mounted attachments such as lightning rods.

<sup>6</sup> Failure to provide the Submission Packet and complete the review process under Section 106 of the NHPA prior to beginning construction may violate Section 110(k) of the NHPA and the Commission's rules. See Section X of the Nationwide Agreement.

Towers of Mississippi/  
Applicant's Name: State of Mississippi  
Project Name: Four Corners  
Project Number: 20618B

NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB  
3060-1039  
Estimated Time Per Response:  
.5 to 10 hours

Certification and Signature

I certify that all representations on this FCC Form 620 and the accompanying attachments are true, correct, and complete.

  
Signature

01/28/09  
Date

Beth A. Ryba  
Printed Name

Archaeologist/Cultural Resource Specialist  
Title

WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, Section 1001) AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, Section 312(a)(1) AND/ OR FORFEITURE (U.S. Code, Title 47, Section 503).

Applicant's Name: Towers of Mississippi/  
State of Mississippi  
Project Name: Four Corners  
Project Number: 20618B

ATTACHMENT 1  
Vitae

ATTACHMENT 2  
ATTACHMENT 7  
ATTACHMENT 8  
ATTACHMENT 9  
ATTACHMENT 10  
ATTACHMENT 11  
ATTACHMENT 12

See Accompanying Cultural Resource Report

**Attachment 3. Tribal and NHO Involvement**

Initial consultation with Native American tribes/organizations was submitted by Environmental Engineers, January 9, 2009 through the FCC Tower Construction Notification System (TCNS).

Applicant's Name: Towers of Mississippi/State of Mississippi  
Project Name: MSWIN 20618 B  
Project Number: JSE01P0820

## Henry Fisher

---

**From:** towernotifyinfo@fcc.gov  
**Sent:** Friday, January 09, 2009 11:27 AM  
**To:** towerinfo@envciv.com  
**Subject:** Proposed Tower Structure Info - Email ID #2097565

Dear Henry A Fisher,

Thank you for submitting a notification regarding your proposed structure via the Tower Construction Notification Application. Note that the FCC has assigned a unique Notification ID number for this proposed structure. You will need to reference this Notification ID number when you update your project's Status with us.

Below are the details you provided for the tower you have proposed to construct:

Notification Received: 01/09/2009

Notification ID: 48088

Tower Owner Individual or Entity Name: Towers of Mississippi/State of Mississippi

Consultant Name: Henry A Fisher

Street Address: 11578 U.S. Highway 411

City: Odenville

State: ALABAMA

Zip Code: 35120

Phone: 205-629-3868

Email: [towerinfo@envciv.com](mailto:towerinfo@envciv.com)

Structure Type: GTOWER - Guyed Tower

Latitude: 32 deg 55 min 00.5 sec N

Longitude: 89 deg 19 min 44.4 sec W

Location Description: off Hwy 25

City: Kosciusko

State: MISSISSIPPI

County: LEAKE

Ground Elevation: 149.7 meters

Support Structure: 146.3 meters above ground level

Overall Structure: 146.3 meters above ground level

Overall Height AMSL: 296 meters above mean sea level

48088 TOM/SM

**Henry Fisher**

---

**From:** towernotifyinfo@fcc.gov  
**Sent:** Friday, January 16, 2009 2:01 AM  
**To:** towerinfo@envciv.com  
**Cc:** kim.pristello@fcc.gov; diane.dupert@fcc.gov  
**Subject:** NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #2099045

Dear Sir or Madam:

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this electronic mail message is to inform you that the following authorized persons were sent the information you provided through TCNS, which relates to your proposed antenna structure. The information was forwarded by the FCC to authorized TCNS users by electronic mail and/or regular mail (letter).

Persons who have received the information that you provided include leaders or their designees of federally-recognized American Indian Tribes, including Alaska Native Villages (collectively "Tribes"), Native Hawaiian Organizations (NHOs), and State Historic Preservation Officers (SHPOs). For your convenience in identifying the referenced Tribes and in making further contacts, the City and State of the Seat of Government for each Tribe and NHO, as well as the designated contact person, is included in the listing below. We note that Tribes may have Section 106 cultural interests in ancestral homelands or other locations that are far removed from their current Seat of Government. Pursuant to the Commission's rules as set forth in the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA), all Tribes and NHOs listed below must be afforded a reasonable opportunity to respond to this notification, consistent with the procedures set forth below, unless the proposed construction falls within an exclusion designated by the Tribe or NHO. (NPA, Section IV.F.4).

The information you provided was forwarded to the following Tribes and NHOs who have set their geographic preferences on TCNS. If the information you provided relates to a proposed antenna structure in the State of Alaska, the following list also includes Tribes located in the State of Alaska that have not specified their geographic preferences. For these Tribes and NHOs, if the Tribe or NHO does not respond within a reasonable time, you should make a reasonable effort at follow-up contact, unless the Tribe or NHO has agreed to different procedures (NPA, Section IV.F.5). In the event such a Tribe or NHO does not respond to a follow-up inquiry, or if a substantive or procedural disagreement arises between you and a Tribe or NHO, you must seek guidance from the Commission (NPA, Section IV.G). These procedures are further set forth in the FCC's Declaratory Ruling released on October 6, 2005 (FCC 05-176).

1. THPO Kenneth H Carleton - Mississippi Band of Choctaw Indians - Choctaw, MS - electronic mail

Exclusions: Please send all information via e-mail (and only via e-mail - no paper copies please) to: choctawhp@gmail.com (9 meg attachment limit)

The Mississippi Band of Choctaw Indians wishes to see full information packets for all towers within the designated areas for consultation.

Form 620, if it includes the a full text of the cultural resource survey with maps, is adequate for our needs. If your 620 does not include the text of the cultural resource survey, then attach it seperately.

Please include the tower identification (TCNS#, name, and any other information that may help us identify this site) and the county and state where the facility is proposed in the subject line.

If the applicant/tower builder receives no response from the Mississippi Band of Choctaw Indians within 30 days AFTER YOU HAVE E-MAILED THE AFOREMENTIONED INFORMATION TO US (begin counting the 30 day period AFTER the e-mail with all of the information has been sent), then the Mississippi Band of Choctaw Indians has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must immediately notify the Mississippi Band of Choctaw Indians in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

2. Compliance Review Supervisor Dawn P Hutchins - Seminole Tribe of Florida - Clewiston, FL - electronic mail

3. Director of Cultural Resources & THPO Terry D Cole - Choctaw Nation of Oklahoma - Durant, OK - electronic mail and regular mail

Exclusions: The Applicant may conclude that the Choctaw Nation of Oklahoma has no interest in a site if there is existing disturbance wherein the depth of the previous disturbance exceeds the proposed construction depth (excluding footing and other anchoring mechanisms) by at least 2 feet (Applying VI - D(2)(c)(i) of the Nationwide Programmatic Agreement concerning Field Surveys; 'In the Matter of Nationwide Programmatic Agreement Regarding the Section 106 National Historic Preservation Act Review Process,' Report and Order, 20 FCC Rcd. 1073, WT Docket No. 03-128, October 5, 2004).

Furthermore, the Choctaw Nation of Oklahoma does not have an interest in a Tower that will be constructed on an existing structure, developed land, or within city limits. However, any of the above mentioned criteria should be communicated to us if not evident in the initial Notification Details. For all other towers, we request a signed field survey report that meets the Federal guidelines set forth by the Department of the Interior and a site location map along with pictures for each project.

Additionally, the Choctaw Nation of Oklahoma has informed FCC Staff that if the Applicant does not receive a response from the Tribe within 30 days of a TCNS notification, then the Applicant SHOULD MAKE A GOOD FAITH EFFORT WITH A FOLLOW-UP PHONE CALL to make sure that the tribe is aware of the proposed tower project. However, should construction expose buried archaeological or building materials such as chipped stone, tools, pottery, bone, historical crockery, glass or metal items, this office should be contacted immediately @ 1-800-522-6170 ext. 2137. [n.b. Please reference the TCNS number in all communications that follow the initial notification.]

4. MEKKO and Acting Tribal Administrator Jennie Lillard - Kialegee Tribal Town - Wetumka, OK - regular mail

Exclusions: If the Applicant receives no response from the Kialegee Tribal Town within 30 days after notification through TCNS, the Kialegee Tribal Town has no interest in participating in pre-construction review for the site. The Applicant, however, must immediately notify the Kialegee Tribal Town in the event archaeological properties or human remains are discovered during construction.

5. THPO Earl J Barbry Jr - Tunica-Biloxi Indians of Louisiana - Marksville, LA - regular mail

The information you provided was also forwarded to the additional Tribes and NHOs listed below. These Tribes and NHOs have NOT set their geographic preferences on TCNS, and therefore they are currently receiving tower notifications for the entire United States. For these Tribes and NHOs, you are required to use reasonable and good faith efforts to determine if the Tribe or NHO may attach religious and cultural significance to historic properties that may be affected by its proposed undertaking. Such efforts may include, but are not limited to, seeking information from the relevant SHPO or THPO, Indian Tribes, state agencies, the U.S. Bureau of Indian Affairs, or, where applicable, any federal agency with land holdings within the state (NPA, Section IV.B). If after such reasonable and good faith efforts, you determine that a Tribe or NHO may attach religious and cultural significance to historic properties in the area and the Tribe or NHO does not respond to TCNS notification within a reasonable time, you should make a reasonable effort to follow up, and must seek guidance from the Commission in the event of continued non-response or in the event of a procedural or substantive disagreement. If you determine that the Tribe or NHO is unlikely to attach religious and cultural significance to historic properties within the area, you do not need to take further action unless the Tribe or NHO indicates an interest in the proposed construction or other evidence of potential interest comes to your attention.

None

The information you provided was also forwarded to the following SHPOs in the State in which you propose to construct and neighboring States. The information was provided to these SHPOs as a courtesy for their information and planning. You need make no effort at this time to follow up with any SHPO that does not respond to this notification. Prior to construction, you must provide the SHPO of the State in which you propose to construct (or the Tribal Historic Preservation Officer, if the project will be located on certain Tribal lands), with a Submission Packet pursuant to Section VII.A of the NPA.

6. SHPO Lee Warner - Alabama Historical Commission - Montgomery, AL - electronic mail

7. Deputy SHPO Elizabeth Ann Brown - Alabama Historical Commission - Montgomery, AL - electronic mail

8. SHPO Cathie Matthews - Department of Arkansas Heritage - Little Rock, AR - electronic mail

9. Deputy SHPO Ken Grunewald - Department of Arkansas Heritage - Little Rock, AR - electronic mail

10. SHPO Elbert Hilliard - Mississippi Dept of Archives & History - Jackson, MS - regular mail

11. Deputy SHPO Kenneth H P'Pool - Division of Historic Preservation - Jackson, MS - electronic mail

"Exclusions" above set forth language provided by the Tribe, NHO, or SHPO. These exclusions may indicate types of tower notifications that the Tribe, NHO, or SHPO does not wish to review. TCNS automatically forwards all notifications to all Tribes, NHOs, and SHPOs that have an expressed interest in the geographic area of a proposal, as well as Tribes and NHOs that have not limited their geographic areas of interest. However, if a proposal falls within a designated exclusion, you need not expect any response and need not pursue any additional process with that Tribe, NHO, or SHPO. Exclusions may also set forth policies or procedures of a particular Tribe, NHO, or SHPO (for example, types of information that a Tribe routinely requests, or a policy that no response within 30 days indicates no interest in participating in pre-construction review).

If you are proposing to construct a facility in the State of Alaska, you should contact Commission staff for guidance regarding your obligations in the event that Tribes do not respond to this notification within a reasonable time.

Please be advised that the FCC cannot guarantee that the contact(s) listed above opened and reviewed an electronic or regular mail notification. The following information relating to the proposed tower was forwarded to the person(s) listed above:

Notification Received: 01/09/2009  
Notification ID: 48088  
Tower Owner Individual or Entity Name: Towers of Mississippi/State of Mississippi  
Consultant Name: Henry A Fisher  
Street Address: 11578 U.S. Highway 411  
City: Odenville  
State: ALABAMA  
Zip Code: 35120  
Phone: 205-629-3868  
Email: towerinfo@envciv.com

Structure Type: GTOWER - Guyed Tower  
Latitude: 32 deg 55 min 0.5 sec N  
Longitude: 89 deg 19 min 44.4 sec W  
Location Description: off Hwy 25  
City: Kosciusko  
State: MISSISSIPPI  
County: LEAKE  
Ground Elevation: 149.7 meters  
Support Structure: 146.3 meters above ground level  
Overall Structure: 146.3 meters above ground level  
Overall Height AMSL: 296.0 meters above mean sea level

If you have any questions or comments regarding this notice, please contact the FCC using the electronic mail form located on the FCC's website at:

<http://wireless.fcc.gov/outreach/notification/contact-fcc.html>.

You may also call the FCC Support Center at (877) 480-3201 (TTY 717-338-2824). Hours are from 8 a.m. to 7:00 p.m. Eastern Time, Monday through Friday (except Federal holidays). To provide quality service and ensure security, all telephone calls are recorded.

Thank you,  
Federal Communications Commission

**Attachment 4. Local Government**

The Leake County Board of Supervisors was contacted via letter dated January 16, 2009 for comment regarding potential impacts to historical or cultural sites by the proposed action.

Applicant's Name: Towers of Mississippi/State of Mississippi  
Project Name: MSWIN 20618 B  
Project Number: JSE01P0820



**ENVIRONMENTAL ENGINEERS, INC.**  
**11578 US Highway 411, Odenville, Alabama 35120**  
*Environmental and Geological Consultants*

January 16, 2009

Mr. Davis Gill  
Leake County Board of Supervisors  
P.O. Drawer 72  
County Courthouse  
Carthage, MS 39051-0072

Subject:

**Proposed MSWIN 20618 B Communications Tower**  
**Kosciusko, Leake County, Mississippi**  
Environmental Engineers, Inc. Project No.: JSE01P0820

Dear Mr. Gill:

Pursuant to the requirements of the March 2005 Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA) we are requesting comment on behalf of Towers of Mississippi and the State of Mississippi regarding impact to historical or cultural sites listed on, or eligible for listing on the National Register of Historic Places (NRHP) by construction of a wireless communications tower in Leake County, Mississippi.

The site is depicted on the United States Geological Survey 7.5-minute Topographic Quadrangle "Four Corners, Mississippi," dated 1989. The site is located in the southeast  $\frac{1}{4}$  of the southwest  $\frac{1}{4}$  of Section 1, Township 12 North, Range 9 East, Leake County, Mississippi, at latitude 32° 55' 00.51" north and longitude 89° 19' 44.45" west (Figure 1). Proposed activities consist of construction of a 480-foot guyed communications tower, enclosing the compound in a fence, placement of support equipment within the compound, grading an access road, and covering the compound and access road with gravel.

Environmental Engineers, Inc. appreciates the opportunity to provide this information. Please reference the Environmental Engineers, Inc. project number (JSE01P0820) in correspondence regarding this site. Please provide comment within thirty days of the date of this letter. Thank you for your time and assistance and we look forward to your response. Please call Mr. Henry Fisher at (205) 629-3868 or email him at [hfisher@envciv.com](mailto:hfisher@envciv.com) if you have any questions or comments. You can also send a response to us via facsimile at (877) 847-3060.

Sincerely,

ENVIRONMENTAL ENGINEERS, INC.

  
Mindy Milam  
Staff Wildlife Biologist

Attachments: Site Location Map

Phone: (205) 629-3868 • Fax: (877) 847-3060

7007 2680 0002 3655 5820

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Postage	\$	1/19/09 Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
<b>Total Postage &amp; Fees</b>	<b>\$ 5.32</b>	<b>JSE01A0820</b>

Sent To: Mr. Davis Gill

Street, Apt. No., or PO Box No.  
 City, State, ZIP+4

PS Form 3811, February 2004 See reverse for instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature            x <u>D. Beranich</u> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <u>D. Beranich</u> C. Date of Delivery <u>1/22/09</u></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes            If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:  <u>Mr. Davis Gill</u>  <u>Leake County Bd of Supervisors</u>  <u>P.O. Draw 72</u>  <u>County Courthouse</u>  <u>Coahatche, MS 39051 0072</u></p>	<p>3. Service Type  <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>
<p>2. Article Number            (Transfer from service label) <u>7007 2680 0002 3655 5820</u></p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>

**Attachment 5. Public Involvement**

A notice requesting comment regarding potential impacts to historical or archaeological properties by the proposed action was published in *The Carthaginian* on January 15, 2009.

Applicant's Name: Towers of Mississippi/State of Mississippi  
Project Name: MSWIN 20618 B  
Project Number: JSE01P0820

# PROOF OF PUBLICATION

## THE STATE OF MISSISSIPPI, LEAKE COUNTY

Personally came before the undersigned Authority Brenda B. Howell duly qualified for Leake County, Mississippi Waid Prather, Publisher of *THE CARTHAGINIAN*, a newspaper, published in the City of Carthage, State and County aforesaid, who being duly sworn, deposes and says that publication of notice, of which the annexed is a copy, has been made in said paper 1 times consecutively, to wit.

### PUBLIC NOTICE

Towers of Mississippi and the State of Mississippi, in accordance with requirements of Section V.B. of the March 2005 Nationwide Programmatic Agreement (NPA) for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (FCC), are requesting comment regarding potential impacts to historical or archaeological properties listed on, or eligible for listing on the National Register of Historic Places (NRHP), by construction of a 480-foot guyed communications tower off Hwy 25, Kosciusko, Leake County, Mississippi, at latitude 32° 58' 00.5" north and longitude 89° 19' 44.5" west.

All comments should be submitted within 30 days of the publication of this notice referencing project JSE01P0828 and sent to the attention of Mr. Henry Fisher, Environmental Engineers, Inc., 11578 U.S. Highway 411, Odenville, AL 35120. Mr. Fisher may also be reached via email at [lowrinf@envciv.com](mailto:lowrinf@envciv.com), via telephone at (205) 629-8668, or via facsimile at (877) 847-9080. (1-15-1tp)

ENVIRONMENTAL ENGINEERS

JAN 20 2009

RECEIVED

Vol 137 No 44 On the 15th day of January 2009

Vol \_\_\_\_\_ No \_\_\_\_\_ On the \_\_\_\_\_ day of \_\_\_\_\_ 2009

Vol \_\_\_\_\_ No \_\_\_\_\_ On the \_\_\_\_\_ day of \_\_\_\_\_ 2009

Vol \_\_\_\_\_ No \_\_\_\_\_ On the \_\_\_\_\_ day of \_\_\_\_\_ 2009

This 16th day of January 2009



Publisher - *THE CARTHAGINIAN*

## THE STATE OF MISSISSIPPI, LEAKE COUNTY

Personally appeared before me, Brenda B. Howell, Notary Public of said County and State, the above named Waid Prather, Publisher, who being duly sworn declares that the publication was made as stated and that he signed the foregoing instrument on the day of the year therein mentioned.

Given under my hand this 16th day of January 2009

Brenda B. Howell, Notary Public

My commission expires on the 4th day of Feb. 2011

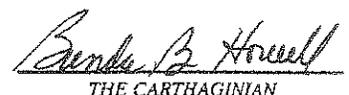
January 16, 2009

TO THE CARTHAGINIAN DR.

Publishing Environmental Engineers, Public Notice, Construction of 480-ft communications tower

140 words space 1 time and making Proof of Publication: \$19.80

Received of Environmental Engineers, Inc. Payment in full of above account January 12, 2009.

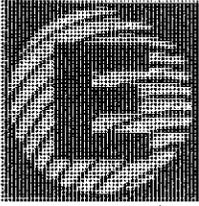
  
THE CARTHAGINIAN

**Attachment 6. Additional Consulting Parties**

No additional consulting parties were identified for the proposed action.

Applicant's Name: Towers of Mississippi/State of Mississippi  
Project Name: MSWIN 20618 B  
Project Number: JSE01P0820

# Appendix H



**ENVIRONMENTAL ENGINEERS, INC.**

**11578 US Highway 411, Odenville, Alabama 35120**

*Environmental and Geological Consultants*

January 29, 2009

Mr. Jim Woodrick  
Mississippi Department of Archives and History  
Charlotte Capers Archives and History Building  
100 South State St.  
Jackson, MS 39201

Subject:  
**Section 106 Review**  
**Proposed MSWIN 20618 B Communications Tower**  
**Kosciusko, Leake County, Mississippi**  
Environmental Engineers, Inc. Project No.: JSE01P0820

Dear Mr. Woodrick:

Environmental Engineers, Inc. is requesting a Section 106 review, on behalf of Towers of Mississippi and the State of Mississippi for the above referenced site. Enclosed you will find a copy of the completed FCC Form 620 for the project site, including all attachments.

Environmental Engineers, Inc. appreciates the opportunity to provide this information. Please reference the Environmental Engineers, Inc. project number (JSE01P0820) in correspondence regarding this site. If you have any questions or need additional information, please contact me at (205) 629-3868.

Sincerely,

ENVIRONMENTAL ENGINEERS, INC.

Henry A. Fisher, P.E.  
Principal Engineer

Enc. FCC Form 620

**Phone: (205) 629-3868 • Fax: (877) 847-3060**

From: Origin ID: CZCA (205) 629-3868  
 HENRY FISHER  
 ENVIRONMENTAL ENGINEERS, INC  
 11578 U.S. Highway 411



Odenville, AL 35120

Ship Date: 30JAN09  
 Act/Ngt: 1.0 LB  
 CAD: 4780346/NET9011  
 Account#: S \*\*\*\*\*

Delivery Address Bar Code



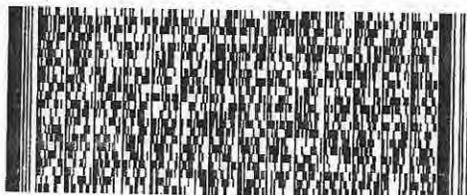
Ref # CEL01P0901 & JSE01P0820  
 Invoice #  
 PO #  
 Dept #

SHIP TO: (601) 359-6940

BILL SENDER

Mr. Jim Woodrick  
 MS Dept of Archives & History  
 200 NORTH ST

JACKSON, MS 39201



TRK# 7972 9713 2557  
 0201

WED - 04FEB A2  
 EXPRESS SAVER  
 RES

SA JANA

39201  
 MS-US  
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3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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**Cheryl Johnson**

**From:** TrackingUpdates@fedex.com  
**Sent:** Tuesday, February 03, 2009 12:38 PM  
**To:** cjohnson@envciv.com  
**Subject:** FedEx Shipment 797297132557 Delivered

This tracking update has been requested by:

Company Name: ENVIRONMENTAL ENGINEERS, INC  
Name: HENRY FISHER  
E-mail: cjohnson@envciv.com

Our records indicate that the following shipment has been delivered:

Reference: CEL01P0901 & JSE01P0820  
Ship (P/U) date: Jan 30, 2009  
Delivery date: Feb 3, 2009 12:34 PM  
Sign for by: W.ROLISAR  
Delivered to: Receptionist/Front Desk  
Service type: FedEx Express Saver  
Packaging type: FedEx Envelope  
Number of pieces: 1  
Weight: 1.00 lb.  
Special handling/Services: Residential Delivery  
Deliver Weekday

Tracking number: 797297132557

Shipper Information	Recipient Information
HENRY FISHER	Mr. Jim Woodrick
ENVIRONMENTAL ENGINEERS, INC	MS Dept of Archives & History
11578 U.S. Highway 411	200 NORTH ST
Odenville	JACKSON
AL	MS
US	US
35120	39201

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Thank you for your business.

2/3/2009



HISTORIC PRESERVATION  
Ken P'Pool, director • Jim Woodrick, acting director  
PO Box 571, Jackson, MS 39205-0571  
601-576-6940 • Fax 601-576-6955  
mdah.state.ms.us

February 10, 2009

Henry A. Fisher, P.E.  
Environmental Engineers, Inc.  
11578 US Highway 411  
Odenville, Alabama 35120

ENVIRONMENTAL ENGINEERS

FEB 13 2009

RECEIVED

RE: Proposed MSWIN 20618 B Communications Tower, Kosciusko (EE Project No. JSE01P0820), MDAH Project Log #02-031-09, Leake County

Dear Henry:

We have reviewed your January 29, 2009, cultural resources assessment request and January 27, 2009, cultural resources survey report by Beth Ryba, Principal Investigator, received on February 5, for the above referenced undertaking, pursuant to our responsibilities under Section 106 of the National Historic Preservation Act and 36 CFR Part 800. After reviewing the information provided, we concur that no cultural resources listed in or eligible for listing in the National Register of Historic Places will be directly or visually affected. Therefore, we have no reservations with the project.

There remains the possibility that unrecorded cultural resources may be encountered during the project. Should this occur, we would appreciate your contacting this office immediately in order that we may offer appropriate comments under 36 CFR 800.13.

Please provide a copy of this letter to Ms. Ryba. If you need further information, please let me know.

Sincerely,

A handwritten signature in blue ink that reads "Jim".

Jim Woodrick  
Review and Compliance Officer

FOR: H.T. Holmes  
State Historic Preservation Officer

# Appendix I

## Henry Fisher

---

**From:** Henry Fisher [hfisher@envciv.com]  
**Sent:** Thursday, January 29, 2009 6:01 PM  
**To:** 'Caren Johnson'  
**Subject:** Towers of Mississippi - State of Mississippi MSWIN 20618 B Communications Tower TCNS 48088  
**Attachments:** FCC Form 620 MSWIN 20618 B Tower TCNS 48088.pdf

January 29, 2009

Mr. Terry Cole  
Choctaw Nation of Oklahoma

Subject:  
**TCNS 48088**  
**Proposed MSWIN 20618 B Communications Tower**  
**Kosciusko, Leake County, Mississippi**  
**Environmental Engineers, Inc. Project No.: JSE01P0820**

Dear Mr. Cole:

I am requesting comment on behalf of Towers of Mississippi and the State of Mississippi regarding potential impacts to Native American religious or cultural sites by construction of a wireless communications tower in Leake County, Mississippi. This project was also submitted through the FCC TCNS on January 9, 2009 (TCNS ID # 48088).

The site is depicted on the United States Geological Survey 7.5-minute Topographic Quadrangle "Four Corners, Mississippi," dated 1989. The site is located in the southeast ¼ of the southwest ¼ of Section 1, Township 12 North, Range 9 East, Leake County, Mississippi, at latitude 32° 55' 00.51" north and longitude 89° 19' 44.45" west. Proposed activities consist of construction of a 480-foot guyed communications tower, enclosing the compound in a fence, placement of support equipment within the compound, grading an access road, and covering the compound and access road with gravel. I have attached the FCC Form 620 prepared for this project by MRS Consultants, LLC and Environmental Engineers, Inc.

Environmental Engineers, Inc. appreciates the opportunity to provide this information. Please reference the Environmental Engineers, Inc. project number (JSE01P0820) in correspondence regarding this site. Thank you for your time and assistance and we look forward to your response. Please call us at (205) 629-3868 or email me at [hfisher@envciv.com](mailto:hfisher@envciv.com) if you have any questions or comments. You can also send a response to us via facsimile at (877) 847-3060.

Sincerely,

Henry A. Fisher  
Environmental Engineers, Inc.  
11578 US Highway 411  
Odenville, Alabama 35120  
Tel (205) 629-3868  
Fax (877) 847-3060

## Henry Fisher

---

**From:** Caren Johnson [cjohnson@choctawnation.com]  
**Sent:** Tuesday, March 10, 2009 3:27 PM  
**To:** 'Henry Fisher'  
**Subject:** RE: Towers of Mississippi - State of Mississippi MSWIN 20618 B Communications Tower TCNS 48088

March 10, 2009

Mr. Henry Fisher:

The Choctaw Nation of Oklahoma has reviewed cell tower(s) FCC # ~~48088~~ and based on the information provided to the best of our knowledge it will have no adverse effect on any historic properties in the project's area of potential effect. However, should construction expose buried archaeological or building materials such as chipped stone, tools, pottery, bone, historic crockery, glass or metal items, or should it uncover evidence of buried historic building materials such as rock foundations, brick, or hand poured concrete, this office should be contacted immediately @ 1-800-522-6170 ext. 2137.

Sincerely,

*Caren A. Johnson,  
Administrative Assistant  
Choctaw Nation of Oklahoma  
P. O. Box 1210, 16th & Locust  
Durant, OK 74702-1210  
1-580-924-8280 Ext. 2133  
Fax 1-580-920-3181*

---

**From:** Henry Fisher [mailto:hfisher@envciv.com]  
**Sent:** Saturday, February 28, 2009 2:30 PM  
**To:** 'Caren Johnson'  
**Subject:** FW: Towers of Mississippi - State of Mississippi MSWIN 20618 B Communications Tower TCNS 48088

Hey Caren! Just checking on this one!

Henry A. Fisher  
Environmental Engineers, Inc.  
11578 US Highway 411  
Odenville, Alabama 35120  
Tel (205) 629-3868  
Fax (877) 847-3060

---

**From:** Henry Fisher [mailto:hfisher@envciv.com]  
**Sent:** Thursday, January 29, 2009 6:01 PM  
**To:** 'Caren Johnson'  
**Subject:** Towers of Mississippi - State of Mississippi MSWIN 20618 B Communications Tower TCNS 48088

January 29, 2009

Mr. Terry Cole  
Choctaw Nation of Oklahoma

Subject:  
**TCNS 48088**  
**Proposed MSWIN 20618 B Communications Tower**  
**Kosciusko, Leake County, Mississippi**  
**Environmental Engineers, Inc. Project No.: JSE01P0820**

Dear Mr. Cole:

I am requesting comment on behalf of Towers of Mississippi and the State of Mississippi regarding potential impacts to Native American religious or cultural sites by construction of a wireless communications tower in Leake County, Mississippi. This project was also submitted through the FCC TCNS on January 9, 2009 (TCNS ID # 48088).

The site is depicted on the United States Geological Survey 7.5-minute Topographic Quadrangle "Four Corners, Mississippi," dated 1989. The site is located in the southeast  $\frac{1}{4}$  of the southwest  $\frac{1}{4}$  of Section 1, Township 12 North, Range 9 East, Leake County, Mississippi, at latitude 32° 55' 00.51" north and longitude 89° 19' 44.45" west. Proposed activities consist of construction of a 480-foot guyed communications tower, enclosing the compound in a fence, placement of support equipment within the compound, grading an access road, and covering the compound and access road with gravel. I have attached the FCC Form 620 prepared for this project by MRS Consultants, LLC and Environmental Engineers, Inc.

Environmental Engineers, Inc. appreciates the opportunity to provide this information. Please reference the Environmental Engineers, Inc. project number (JSE01P0820) in correspondence regarding this site. Thank you for your time and assistance and we look forward to your response. Please call us at (205) 629-3868 or email me at [hfisher@envciv.com](mailto:hfisher@envciv.com) if you have any questions or comments. You can also send a response to us via facsimile at (877) 847-3060.

Sincerely,

Henry A. Fisher  
Environmental Engineers, Inc.  
11578 US Highway 411  
Odenville, Alabama 35120  
Tel (205) 629-3868  
Fax (877) 847-3060

## Henry Fisher

---

**From:** Henry Fisher [hfisher@envciv.com]  
**Sent:** Thursday, January 29, 2009 6:03 PM  
**To:** 'Carleton, Ken'; 'choctawhp@gmail.com'  
**Subject:** Towers of Mississippi - State of Mississippi MSWIN 20618 B Communications Tower TCNS 48088  
**Attachments:** FCC Form 620 MSWIN 20618 B Tower TCNS 48088.pdf

January 29, 2009

Mr. Ken Carleton  
Mississippi Band of Choctaw Indians

**Subject:**  
**TCNS 48088**  
**Proposed MSWIN 20618 B Communications Tower**  
**Kosciusko, Leake County, Mississippi**  
**Environmental Engineers, Inc. Project No.: JSE01P0820**

Dear Mr. Carleton:

I am requesting comment on behalf of Towers of Mississippi and the State of Mississippi regarding potential impacts to Native American religious or cultural sites by construction of a wireless communications tower in Leake County, Mississippi. This project was also submitted through the FCC TCNS on January 9, 2009 (TCNS ID # 48088).

The site is depicted on the United States Geological Survey 7.5-minute Topographic Quadrangle "Four Corners, Mississippi," dated 1989. The site is located in the southeast ¼ of the southwest ¼ of Section 1, Township 12 North, Range 9 East, Leake County, Mississippi, at latitude 32° 55' 00.51" north and longitude 89° 19' 44.45" west. Proposed activities consist of construction of a 480-foot guyed communications tower, enclosing the compound in a fence, placement of support equipment within the compound, grading an access road, and covering the compound and access road with gravel. I have attached the FCC Form 620 prepared for this project by MRS Consultants, LLC and Environmental Engineers, Inc.

Environmental Engineers, Inc. appreciates the opportunity to provide this information. Please reference the Environmental Engineers, Inc. project number (JSE01P0820) in correspondence regarding this site. Thank you for your time and assistance and we look forward to your response. Please call us at (205) 629-3868 or email me at [hfisher@envciv.com](mailto:hfisher@envciv.com) if you have any questions or comments. You can also send a response to us via facsimile at (877) 847-3060.

Sincerely,

Henry A. Fisher  
Environmental Engineers, Inc.  
11578 US Highway 411  
Odenville, Alabama 35120  
Tel (205) 629-3868  
Fax (877) 847-3060

## Henry Fisher

---

**From:** Henry Fisher [hfisher@envciv.com]  
**Sent:** Thursday, January 29, 2009 6:04 PM  
**To:** 'Dawn Hutchins'  
**Subject:** Towers of Mississippi - State of Mississippi MSWIN 20618 B Communications Tower TCNS 48088  
**Attachments:** FCC Form 620 MSWIN 20618 B Tower TCNS 48088.pdf

January 29, 2009

Ms. Dawn Hutchins  
Seminole Tribe of Florida

**Subject:**  
**TCNS 48088**  
**Proposed MSWIN 20618 B Communications Tower**  
**Kosciusko, Leake County, Mississippi**  
**Environmental Engineers, Inc. Project No.: JSE01P0820**

Dear Ms. Hutchins:

I am requesting comment on behalf of Towers of Mississippi and the State of Mississippi regarding potential impacts to Native American religious or cultural sites by construction of a wireless communications tower in Leake County, Mississippi. This project was also submitted through the FCC TCNS on January 9, 2009 (TCNS ID # 48088).

The site is depicted on the United States Geological Survey 7.5-minute Topographic Quadrangle "Four Corners, Mississippi," dated 1989. The site is located in the southeast  $\frac{1}{4}$  of the southwest  $\frac{1}{4}$  of Section 1, Township 12 North, Range 9 East, Leake County, Mississippi, at latitude 32° 55' 00.51" north and longitude 89° 19' 44.45" west. Proposed activities consist of construction of a 480-foot guyed communications tower, enclosing the compound in a fence, placement of support equipment within the compound, grading an access road, and covering the compound and access road with gravel. I have attached the FCC Form 620 prepared for this project by MRS Consultants, LLC and Environmental Engineers, Inc.

Environmental Engineers, Inc. appreciates the opportunity to provide this information. Please reference the Environmental Engineers, Inc. project number (JSE01P0820) in correspondence regarding this site. Thank you for your time and assistance and we look forward to your response. Please call us at (205) 629-3868 or email me at [hfisher@envciv.com](mailto:hfisher@envciv.com) if you have any questions or comments. You can also send a response to us via facsimile at (877) 847-3060.

Sincerely,

Henry A. Fisher  
Environmental Engineers, Inc.  
11578 US Highway 411  
Odenville, Alabama 35120  
Tel (205) 629-3868  
Fax (877) 847-3060

## Henry Fisher

---

**From:** towernotifyinfo@fcc.gov  
**Sent:** Friday, January 30, 2009 7:19 AM  
**To:** towerinfo@envciv.com  
**Cc:** towernotifyinfo@fcc.gov; dawnhutchins@semtribe.com  
**Subject:** Reply to Proposed Tower Structure (Notification ID #48088) - Email ID #2112275

Dear Henry A Fisher,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from Compliance Review Supervisor Dawn P Hutchins of the Seminole Tribe of Florida in reference to Notification ID #48088:

To Whom It May Concern,

The Seminole Tribe of Florida Tribal Historic Preservation Office (STOF-THPO) has received your email correspondence concerning the aforementioned project. The STOF-THPO concurs with your findings of "no historic properties". However, the STOF-THPO would like to be informed should any archaeological and/or historic resources be discovered inadvertently during the construction process. We thank you for the opportunity to review the information that has been sent to date regarding this project.

We look forward to working with you in the future.

Sincerely,  
Dawn Hutchins  
Compliance Review Supervisor  
[dawnhutchins@semtribe.com](mailto:dawnhutchins@semtribe.com)

For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 01/09/2009  
Notification ID: 48088  
Tower Owner Individual or Entity Name: Towers of Mississippi/State of Mississippi  
Consultant Name: Henry A Henry  
Street Address: 11578 U.S. Highway 411  
City: Odenville  
State: ALABAMA  
Zip Code: 35120  
Phone: 205-629-3868  
Email: [towerinfo@envciv.com](mailto:towerinfo@envciv.com)

Structure Type: GTOWER - Guyed Tower  
Latitude: 32 deg 55 min 0.5 sec N  
Longitude: 89 deg 19 min 44.4 sec W  
Location Description: off Hwy 25  
City: Kosciusko

State: MISSISSIPPI

County: LEAKE

Ground Elevation: 149.7 meters

Support Structure: 146.3 meters above ground level

Overall Structure: 146.3 meters above ground level

Overall Height AMSL: 296.0 meters above mean sea level

**Henry Fisher**

**From:** Earl Barbry, Jr. [earlji@tunica.org]  
**Sent:** Tuesday, May 03, 2005 5:51 PM  
**To:** Henry Fisher  
**Cc:** Niki Jeter  
**Subject:** Re: HELP! - I am stuck in FCC NPA!

Mr. Fisher,

Sorry about the delay. I would like to be notified of the cell tower requests, etc. by email. Also, should no comments be received from my department within the 30 day comment period, proceeding with the project can occur. I stand the same as the other Tribes regarding immediate work stoppage and contacting this office should inadvertent discovery occur.

Thank you for taking the time to contact me and getting my input into these matters. Let me know if this response is sufficient or if you need a letter on Tribal stationery mailed to you.

Should you need immediate assistance, and I am out of the office, speak to my Administrative Assistant, Ms. Amber (Niki) Jeter - dial the number below and hit 0 to speak to her.

Many thanks,

Earl J. Barbry, Jr., THPO  
Tunica-Biloxi Tribe of Louisiana  
318-253-0213 ext. 6851

## Henry Fisher

---

**From:** Henry Fisher [hfisher@envciv.com]  
**Sent:** Thursday, January 29, 2009 5:59 PM  
**To:** 'earlii@tunica.org'  
**Subject:** Towers of Mississippi - State of Mississippi MSWIN 20618 B Communications Tower TCNS 48088

January 29, 2009

Mr. Earl Barbry  
Tunica-Biloxi Indians of Louisiana

**Subject:**  
**TCNS 48088**  
**Proposed MSWIN 20618 B Communications Tower**  
**Kosciusko, Leake County, Mississippi**  
**Environmental Engineers, Inc. Project No.: JSE01P0820**

Dear Mr. Barbry:

I am requesting comment on behalf of Towers of Mississippi and the State of Mississippi regarding potential impacts to Native American religious or cultural sites by construction of a wireless communications tower in Leake County, Mississippi. This project was also submitted through the FCC TCNS on January 9, 2009 (TCNS ID # 48088).

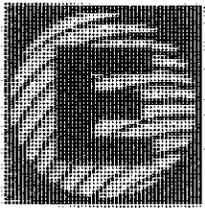
The site is depicted on the United States Geological Survey 7.5-minute Topographic Quadrangle "Four Corners, Mississippi," dated 1989. The site is located in the southeast ¼ of the southwest ¼ of Section 1, Township 12 North, Range 9 East, Leake County, Mississippi, at latitude 32° 55' 00.51" north and longitude 89° 19' 44.45" west. Proposed activities consist of construction of a 480-foot guyed communications tower, enclosing the compound in a fence, placement of support equipment within the compound, grading an access road, and covering the compound and access road with gravel.

Environmental Engineers, Inc. appreciates the opportunity to provide this information. Please reference the Environmental Engineers, Inc. project number (JSE01P0820) in correspondence regarding this site. Thank you for your time and assistance. Based on the electronic mail that you sent to our office on May 3, 2005 it is my understanding that we may assume that the Tunica-Biloxi Indians of Louisiana concurs with the proposed project if we have not received a comment from your office within 30 days of submittal of project information to your office via electronic mail. Please call us at (205) 629-3868 or email me at [hfisher@envciv.com](mailto:hfisher@envciv.com) if you have any questions or comments. You can also send a response to us via facsimile at (877) 847-3060.

Sincerely,

Henry A. Fisher  
Environmental Engineers, Inc.  
11578 US Highway 411  
Odenville, Alabama 35120  
Tel (205) 629-3868  
Fax (877) 847-3060

# Appendix J



**ENVIRONMENTAL ENGINEERS, INC.**

**11578 US Highway 411, Odenville, Alabama 35120**

*Environmental and Geological Consultants*

January 16, 2009

Mr. Davis Gill  
Leake County Board of Supervisors  
P.O. Drawer 72  
County Courthouse  
Carthage, MS 39051-0072

Subject:

**Proposed MSWIN 20618 B Communications Tower  
Kosciusko, Leake County, Mississippi**  
Environmental Engineers, Inc. Project No.: JSE01P0820

Dear Mr. Gill:

Pursuant to the requirements of the March 2005 Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA) we are requesting comment on behalf of Towers of Mississippi and the State of Mississippi regarding impact to historical or cultural sites listed on, or eligible for listing on the National Register of Historic Places (NRHP) by construction of a wireless communications tower in Leake County, Mississippi.

The site is depicted on the United States Geological Survey 7.5-minute Topographic Quadrangle "Four Corners, Mississippi," dated 1989. The site is located in the southeast  $\frac{1}{4}$  of the southwest  $\frac{1}{4}$  of Section 1, Township 12 North, Range 9 East, Leake County, Mississippi, at latitude  $32^{\circ} 55' 00.51''$  north and longitude  $89^{\circ} 19' 44.45''$  west (Figure 1). Proposed activities consist of construction of a 480-foot guyed communications tower, enclosing the compound in a fence, placement of support equipment within the compound, grading an access road, and covering the compound and access road with gravel.

Environmental Engineers, Inc. appreciates the opportunity to provide this information. Please reference the Environmental Engineers, Inc. project number (JSE01P0820) in correspondence regarding this site. Please provide comment within thirty days of the date of this letter. Thank you for your time and assistance and we look forward to your response. Please call Mr. Henry Fisher at (205) 629-3868 or email him at [hfisher@envciv.com](mailto:hfisher@envciv.com) if you have any questions or comments. You can also send a response to us via facsimile at (877) 847-3060.

Sincerely,

ENVIRONMENTAL ENGINEERS, INC.

  
Mindy Milam  
Staff Wildlife Biologist

Attachments: Site Location Map

Phone: (205) 629-3868 • Fax: (877) 847-3060

**U.S. Postal Service**  
**CERTIFIED MAIL RECEIPT**  
*(Domestic Mail Only. No Insurance Coverage Provided)*

7007 2680 0002 3655 5820

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Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 5.32	
Sent To <u>Mr. Davis Gill</u>		
Street, Apt. No., or PO Box No.		
City, State, ZIP+4		

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:  
 Mr. Davis Gill  
 Leake County Bd of Supervisors  
 P.O. Draw 72  
 Candy Courthouse  
 Cothage, MS 39057 0072

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  Agent  Addressee  
*x D Beranich*

B. Received by (Printed Name)  Agent  Addressee  
*D Beranich*

C. Date of Delivery  
*1/22/09*

D. Is delivery address different from item 1?  Yes  No  
 If YES, enter delivery address below:

3. Service Type

Certified Mail  Express Mail  
 Registered  Return Receipt for Merchandise  
 Insured Mail  C.O.D.

4. Restricted Delivery? (Extra Fee)  Yes

2. Article Number (Transfer from service label) **7007 2680 0002 3655 5820**

# PROOF OF PUBLICATION

## THE STATE OF MISSISSIPPI, LEAKE COUNTY

Personally came before the undersigned Authority Brenda B. Howell duly qualified for Leake County, Mississippi Waid Prather, Publisher of *THE CARTHAGINIAN*, a newspaper, published in the City of Carthage, State and County aforesaid, who being duly sworn, deposes and says that publication of notice, of which the annexed is a copy, has been made in said paper 1 times consecutively, to wit.

### PUBLIC NOTICE

Towers of Mississippi and the State of Mississippi, in accordance with requirements of Section V.B. of the March 2005 Nationwide Programmatic Agreement (NPA) for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (FCC), are requesting comment regarding potential impacts to historical or archaeological properties listed on, or eligible for listing on the National Register of Historic Places (NRHP), by construction of a 480-foot guyed communications tower off Hwy 25, Kosciusko, Leake County, Mississippi, at latitude 32° 55' 00.5" north and longitude 89° 19' 44.5" west.

All comments should be submitted within 30 days of the publication of this notice referencing project JSE01P0820 and sent to the attention of Mr. Henry Fisher, Environmental Engineers, Inc., 11578 U.S. Highway 411, Odenville, AL 35120. Mr. Fisher may also be reached via email at towerinfo@envciv.com, via telephone at (205) 629-3868, or via facsimile at (877) 847-3060. (1-15-1tp)

ENVIRONMENTAL ENGINEERS

JAN 20 2009

RECEIVED

Vol 137 No 44 On the 15th day of January 2009

Vol \_\_\_\_\_ No \_\_\_\_\_ On the \_\_\_\_\_ day of \_\_\_\_\_ 2009

Vol \_\_\_\_\_ No \_\_\_\_\_ On the \_\_\_\_\_ day of \_\_\_\_\_ 2009

Vol \_\_\_\_\_ No \_\_\_\_\_ On the \_\_\_\_\_ day of \_\_\_\_\_ 2009

This 16th day of January 2009

\_\_\_\_\_  
Publisher - *THE CARTHAGINIAN*

## THE STATE OF MISSISSIPPI, LEAKE COUNTY

Personally appeared before me, Brenda B. Howell, Notary Public of said County and State, the above named Waid Prather, Publisher, who being duly sworn declares that the publication was made as stated and that he signed the foregoing instrument on the day of the year therein mentioned.

Given under my hand this 16th day of January 2009

\_\_\_\_\_, Notary Public

My commission expires on the 4th day of Feb. 2011

January 16, 2009

TO *THE CARTHAGINIAN* DR.

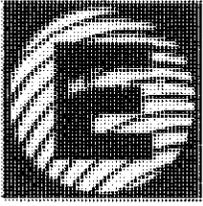
Publishing Environmental Engineers, Public Notice, Construction of 480-ft communications tower

140 words space 1 time and making Proof of Publication: \$19.80

Received of Environmental Engineers, Inc. Payment  
in full of above account January 12, 2009.

  
THE CARTHAGINIAN

# Appendix K



**ENVIRONMENTAL ENGINEERS, INC.**

**11578 US Highway 411, Odenville, Alabama 35120**

*Environmental and Geological Consultants*

November 3, 2009

Mr. David Lofton, Section Chief  
U.S. Army Corps of Engineers, Vicksburg District  
Permitting Section  
Attention: CEMVK-OD-F  
4155 Clay Street  
Vicksburg, Mississippi 39183-3435

Subject:

**Request for Project Review**  
**Proposed MSWIN 20618 B Communications Tower**  
**Kosciusko, Leake County, Mississippi**  
Environmental Engineers, Inc. Project No.: JSE01P0820

Dear Mr. Lofton:

Environmental Engineers, Inc. is requesting comment on behalf of Towers of Mississippi, the State of Mississippi, and the Federal Emergency Management Agency (FEMA) regarding construction of a wireless communications tower in Leake County, Mississippi. This project is being funded using a FEMA grant (2008-MS-MX-0001) and the State of Mississippi's expenditures at this site will include construction of a telecommunications facility, purchase and installation of 700 MHz RF equipment and microwave telecommunication backbone network, equipment shelter, network integration, acceptance testing, communication hardware optimization and system exercising and piloting of interoperability capabilities of the network.

The site is depicted on the United States Geological Survey 7.5-minute Topographic Quadrangle "Four Corners, Mississippi," dated 1989. The site is located in the southeast ¼ of the southwest ¼ of Section 1, Township 12 North, Range 9 East, Leake County, Mississippi, at latitude 32° 55' 00.51" north and longitude 89° 19' 44.45" west. The site consists of a 100' x 100' lease area with three associated guy anchor easements and a proposed/existing access road. The site is located east of Highway 25 near Kosciusko, Mississippi. Proposed activities consist of construction of a 480-foot guyed communications tower, enclosing the compound in a fence, placement of support equipment within the compound, grading an access road, and covering the compound and access road with gravel. The proposed project is depicted on the Federal Emergency Management Agency's (FEMA) Flood Insurance Rate Map (FIRM) "Panel 100 of 400, Leake County, Mississippi Unincorporated Areas" effective date September 15, 1989, and is located in an area designated as Zone X (no shading) which is described as areas outside the 500-year floodplain. Therefore, the site is not located within a floodplain. I have included a site location map, site photographs, and the portion of the 2007 aerial photograph depicting the site for your review.

**Phone: (205) 629-3868 • Fax: (877) 847-3060**

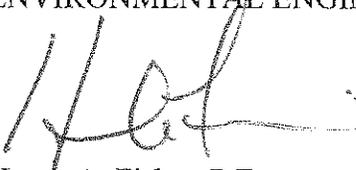
The responsible official for this project is:

Mr. Taylor Robinson  
Towers of Mississippi  
31560 Blakely Way  
Spanish Fort, Alabama 36532  
Telephone (205) 266-4466

Environmental Engineers, Inc. has been retained by Towers of Mississippi and the State of Mississippi to prepare an Environmental Assessment (EA) for the proposed project. Please reference the Environmental Engineers, Inc. project number (JSE01P0820) in correspondence regarding this site. Thank you for your time and assistance and we look forward to your response. Please contact me by telephone at (205) 629-3868, electronic mail at [hfisher@envciv.com](mailto:hfisher@envciv.com), or U.S. mail at the letterhead address if you have any questions or comments.

Sincerely,

ENVIRONMENTAL ENGINEERS, INC.



Henry A. Fisher, P.E.  
Principal Engineer

Attachments Site Location Map, Site Photographs, Aerial Photograph



# DEPARTMENT OF THE ARMY

VICKSBURG DISTRICT, CORPS OF ENGINEERS  
4155 CLAY STREET  
VICKSBURG, MISSISSIPPI 39183-3435

REPLY TO  
ATTENTION OF:

November 9, 2009

ENVIRONMENTAL ENGINEERS

NOV 12 2009

RECEIVED

Operations Division

SUBJECT: Towers of Mississippi, MSWIN 20618 B Communications  
Tower, Kosciusko, Leake County, Mississippi, Section 1,  
T12N-R9E, Environmental Engineers, Incorporated Project  
No.: JSE01P0820

Mr. Henry A. Fisher, P.E.  
Environmental Engineers, Incorporated  
11578 US Highway 411  
Odenville, Alabama 35120

Dear Mr. Fisher:

We received your correspondence, subject as above, on November 6, 2009. For ease of reference, we have assigned your correspondence identification number MVK-2009-1486. Please refer to this number should you write or call us about your request.

If you have any questions about the status of your request, please call this office at (601) 631-5064 or (601) 631-7071.

Sincerely,

A handwritten signature in black ink that reads "Michael F. McNair".

Michael F. McNair, R.F.  
Chief, Regulatory Branch



## DEPARTMENT OF THE ARMY

VICKSBURG DISTRICT, CORPS OF ENGINEERS

4155 CLAY STREET

VICKSBURG, MISSISSIPPI 39183-3435

ENVIRONMENTAL ENGINEERS

NOV 23 2009

RECEIVED

REPLY TO  
ATTENTION OF:

November 17, 2009

Operations Division

SUBJECT: Towers of Mississippi, Construction of MSWIN 20618 B Communications Tower, Leake County, Mississippi; Environmental Engineers, Incorporated, Project Number: JSE01P0820

Mr. Taylor Robinson  
Towers of Mississippi  
31560 Blakely Way  
Spanish Fort, Alabama 36532

Dear Mr. Robinson:

This letter is in response to the November 3, 2009, letter from Mr. Henry A. Fisher of Environmental Engineers, Incorporated, concerning possible regulatory requirements for the proposed plans for the construction of MSWIN 20618 B communications tower and access road located near Kosciusko, in Leake County, Mississippi.

Based upon the information provided (enclosure 1), and the information available to this office, it appears that a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act will not be required for the proposed work. In the event that project plans are changed, or if you anticipate any additional construction, please contact this office for a reevaluation of permit requirements and refer to identification no. MVK-2009-1486 when submitting the information.

This determination of Department of the Army regulatory requirements was based upon a preliminary jurisdictional determination that there are no jurisdictional areas being impacted by the proposed work on the property subject to regulation pursuant to Section 10 of the Rivers and Harbors Act of 1899 and/or to Section 404 of the Clean Water Act. An appeals form for this preliminary jurisdictional determination has been enclosed for your review (enclosure 2).

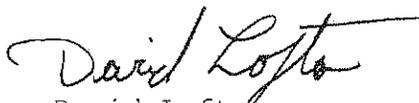
This determination of Department of the Army regulatory requirements does not convey any property rights, either in real estate or material or any exclusive privileges, and does not authorize any injury to property or invasion of rights or local laws or regulations, or obviate the requirement to obtain State or local assent required by law for the activity discussed herein.

If we may be of any further assistance in this matter, please contact Mr. Chad Phillips of this office, telephone (601) 631-5146, fax (601) 631-5459, or e-mail address: [regulatory@usace.army.mil](mailto:regulatory@usace.army.mil).

The Vicksburg District Regulatory Branch is committed to providing quality and timely service to our customers. In an effort to improve customer service, please take a moment to complete the Customer Service Survey found on our web site at <http://per2.nwp.usace.army.mil/survey.html>. If it is more convenient for you, please complete and return the enclosed postage-paid post card (enclosure 3).

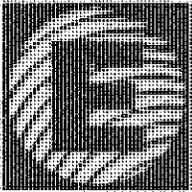
I am forwarding a copy of this letter to Mr. Henry A. Fisher, Environmental Engineers, Incorporated, 11578 U.S. Highway 411, Odenville, Alabama 35120.

Sincerely,



David Lofton  
Chief, Permit Section  
Regulatory Branch

Enclosures



**ENVIRONMENTAL ENGINEERS, INC.**

**11578 US Highway 411, Odenville, Alabama 35120**

*Environmental and Geological Consultants*

November 3, 2009

Mr. David Lofton, Section Chief  
U.S. Army Corps of Engineers, Vicksburg District  
Permitting Section  
Attention: CEMVK-OD-F  
4155 Clay Street  
Vicksburg, Mississippi 39183-3435

Subject:

**Request for Project Review**  
**Proposed MSWIN 20618 B Communications Tower**  
**Kosciusko, Leake County, Mississippi**  
Environmental Engineers, Inc. Project No.: JSE01P0820

Dear Mr. Lofton:

Environmental Engineers, Inc. is requesting comment on behalf of Towers of Mississippi, the State of Mississippi, and the Federal Emergency Management Agency (FEMA) regarding construction of a wireless communications tower in Leake County, Mississippi. This project is being funded using a FEMA grant (2008-MS-MX-0001) and the State of Mississippi's expenditures at this site will include construction of a telecommunications facility, purchase and installation of 700 MHz RF equipment and microwave telecommunication backbone network, equipment shelter, network integration, acceptance testing, communication hardware optimization and system exercising and piloting of interoperability capabilities of the network.

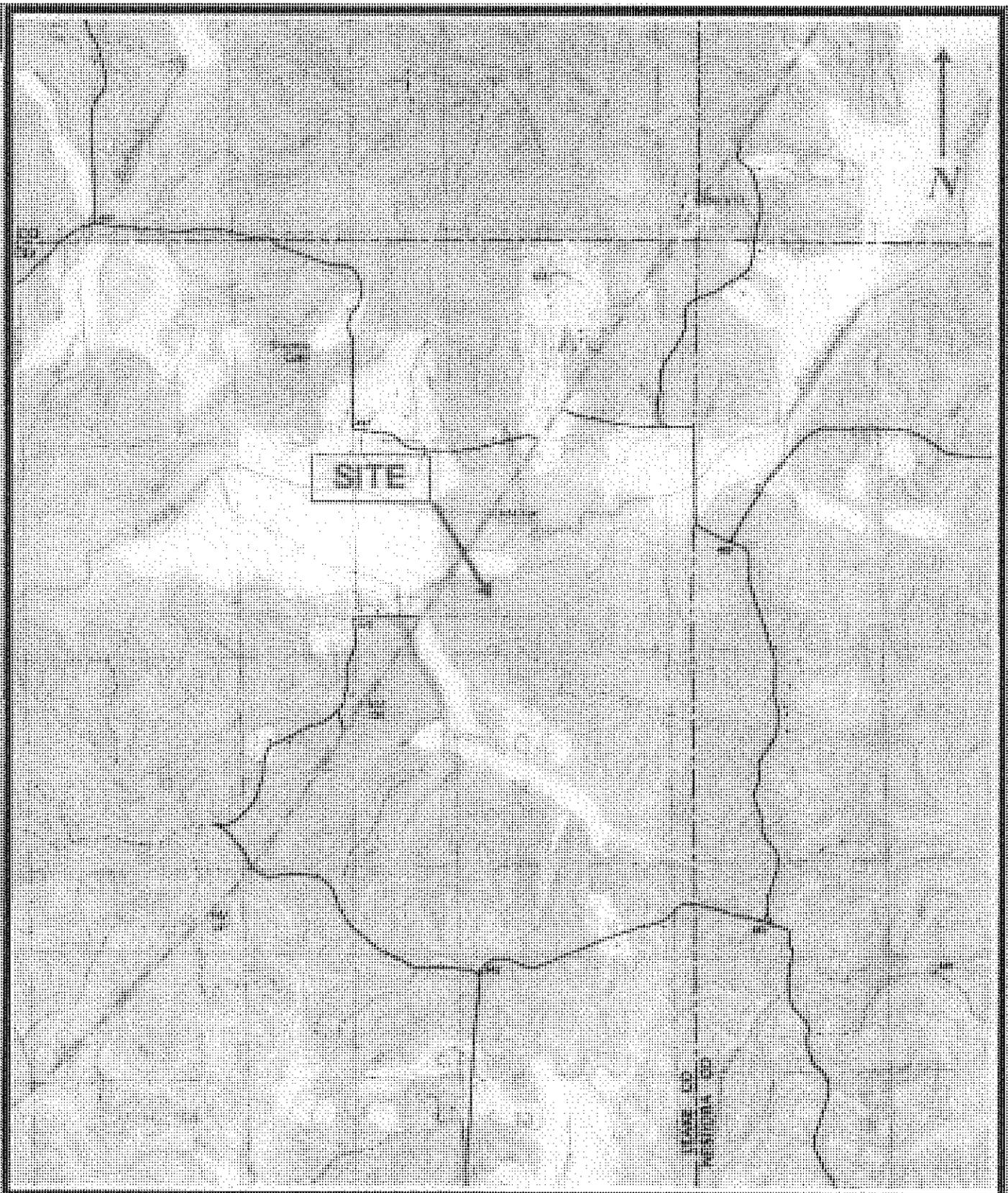
The site is depicted on the United States Geological Survey 7.5-minute Topographic Quadrangle "Four Corners, Mississippi," dated 1989. The site is located in the southeast  $\frac{1}{4}$  of the southwest  $\frac{1}{4}$  of Section 1, Township 12 North, Range 9 East, Leake County, Mississippi, at latitude  $32^{\circ} 55' 00.51''$  north and longitude  $89^{\circ} 19' 44.45''$  west. The site consists of a 100' x 100' lease area with three associated guy anchor easements and a proposed/existing access road. The site is located east of Highway 25 near Kosciusko, Mississippi. Proposed activities consist of construction of a 480-foot guyed communications tower, enclosing the compound in a fence, placement of support equipment within the compound, grading an access road, and covering the compound and access road with gravel. The proposed project is depicted on the Federal Emergency Management Agency's (FEMA) Flood Insurance Rate Map (FIRM) "Panel 100 of 400, Leake County, Mississippi Unincorporated Areas" effective date September 15, 1989, and is located in an area designated as Zone X (no shading) which is described as areas outside the 500-year floodplain. Therefore, the site is not located within a floodplain. I have included a site location map, site photographs, and the portion of the 2007 aerial photograph depicting the site for your review.

**Phone: (205) 629-3868 • Fax: (877) 847-3060**

*JMK-2009-1486*

*KKC*

11-16-09 11:55 AM RCVB



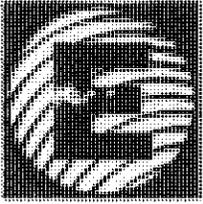
**Environmental Engineers, Inc.**

Subject:  
 Proposed 150W 20618 5 Communications Tower  
 Roadside, Leake County, Mississippi  
 Project No.: JSC-0140823

Figure 1  
 Site Location Map  
 Scale: 1" = 200'



# Appendix L



**ENVIRONMENTAL ENGINEERS, INC.**

**11578 US Highway 411, Odenville, Alabama 35120**

*Environmental and Geological Consultants*

November 3, 2009

Dr. Homer L. Wilkes, State Conservationist  
U.S. Department of Agriculture, Natural Resources Conservation Service  
100 W. Capital Street  
Suite 1321 Federal Building  
Jackson, MS 39269

Subject:

**Request for Project Review**  
**Proposed MSWIN 20618 B Communications Tower**  
**Kosciusko, Leake County, Mississippi**  
Environmental Engineers, Inc. Project No.: JSE01P0820

Dear Dr. Wilkes:

Environmental Engineers, Inc. is requesting comment on behalf of Towers of Mississippi, the State of Mississippi, and the Federal Emergency Management Agency (FEMA) regarding construction of a wireless communications tower in Leake County, Mississippi. This project is being funded using a FEMA grant (2008-MS-MX-0001) and the State of Mississippi's expenditures at this site will include construction of a telecommunications facility, purchase and installation of 700 MHz RF equipment and microwave telecommunication backbone network, equipment shelter, network integration, acceptance testing, communication hardware optimization and system exercising and piloting of interoperability capabilities of the network.

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Environmental Engineers, Inc. has been retained by Towers of Mississippi and the State of Mississippi to prepare an Environmental Assessment (EA) for the proposed project. Please reference the Environmental Engineers, Inc. project number (JSE01P0820) in correspondence regarding this site. Thank you for your time and assistance and we look forward to your response. Please contact me by telephone at (205) 629-3868, electronic mail at [hfisher@envciv.com](mailto:hfisher@envciv.com), or U.S. mail at the letterhead address if you have any questions or comments.

Sincerely,

ENVIRONMENTAL ENGINEERS, INC.

A handwritten signature in black ink, appearing to read 'H. Fisher', with a horizontal line extending to the right.

Henry A. Fisher, P.E.  
Principal Engineer

Attachments Site Location Map, Site Photographs, Aerial Photograph

United States Department of Agriculture



Natural Resources Conservation Service  
Suite 1321, Federal Building  
100 West Capitol Street  
Jackson, MS 39269

---

November 17, 2009

Henry A. Fisher, P.E.  
Principal Engineer  
Environmental Engineers, Inc.  
11578 US Highway 411  
Odenville, AL 35120

ENVIRONMENTAL ENGINEERS

NOV 21 2009

RECEIVED

Dear Mr. Fisher:

This is in response to your letter dated November 3, 2009, regarding the Proposed MSWIN 20618 B Communications Tower in Kosciusko in Leake County, Mississippi.

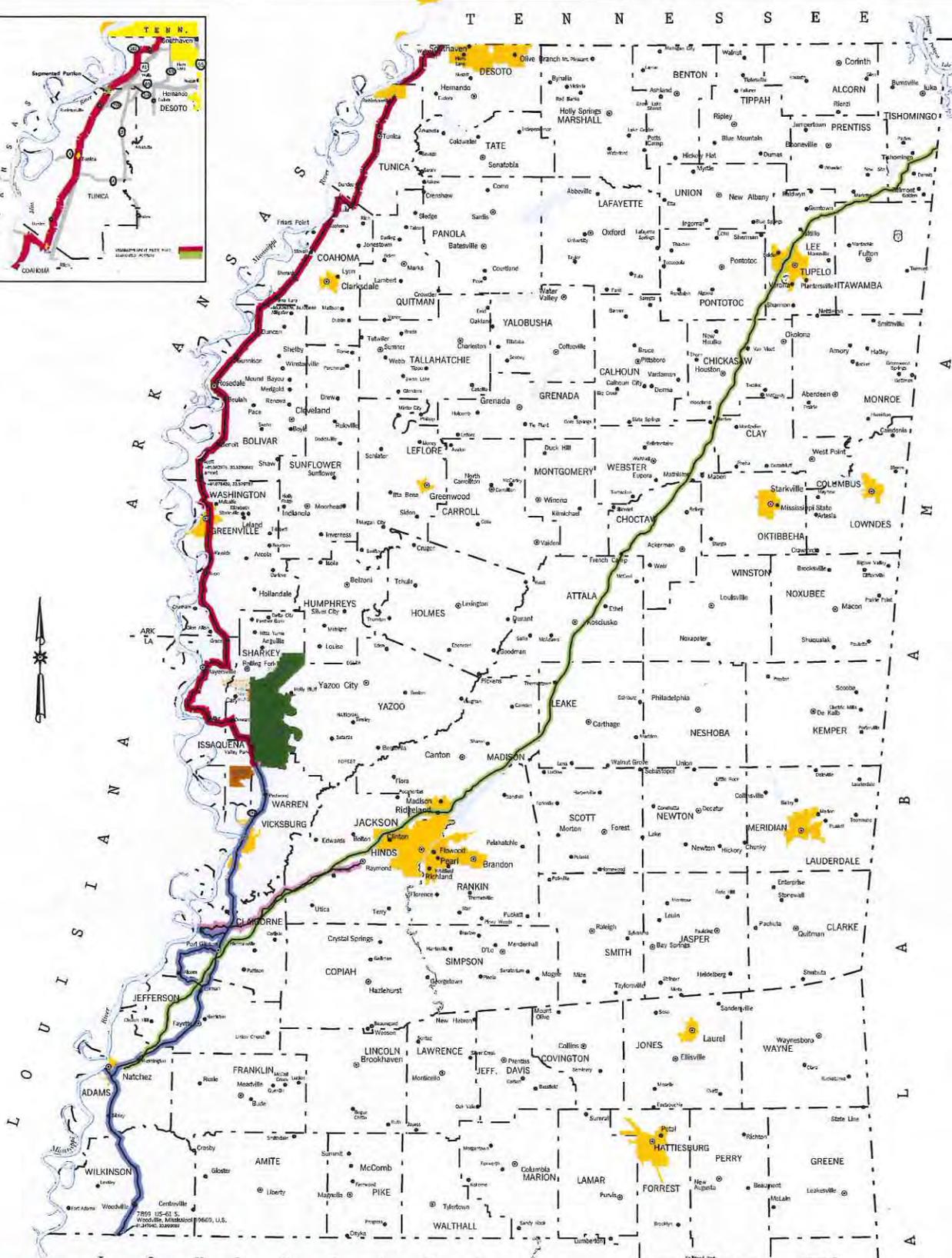
The proposed project will not have any permanent adverse effect on prime farmland. Therefore no FPPA determination is required.

Sincerely,

A handwritten signature in black ink that reads "Delaney B. Johnson". The signature is written in a cursive, flowing style.

Delaney B. Johnson  
State Soil Scientist

# Appendix M



## MISSISSIPPI SCENIC BYWAYS

MISSISSIPPI DELTA GREAT RIVER ROAD

LOWER MISSISSIPPI HISTORIC BYWAY

GRAND GULF - RAYMOND SCENIC BYWAY

NATCHEZ TRACE

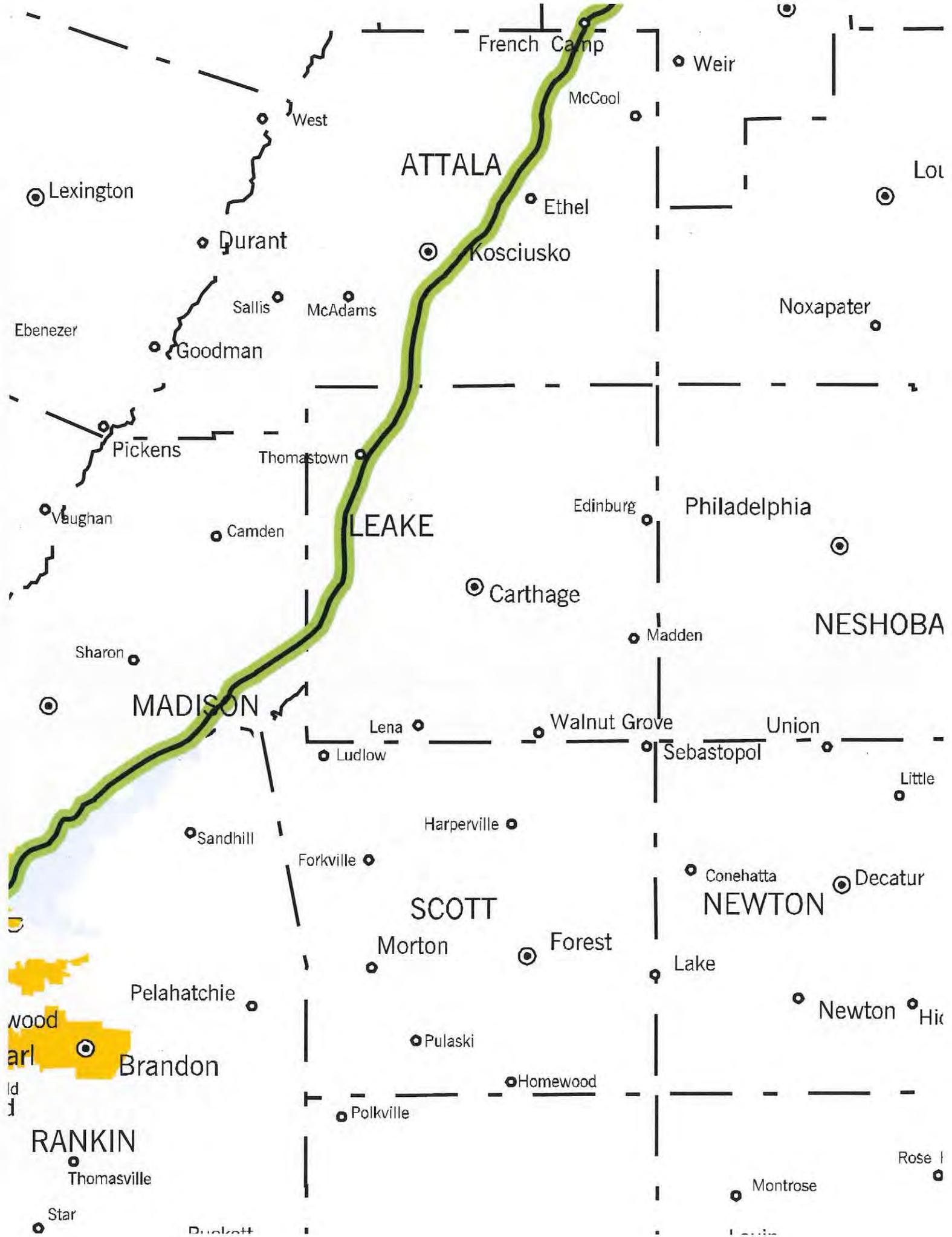
HIGHWAY 67 SCENIC BYWAY

HIGHWAY 605 SCENIC BYWAY



PREPARED BY THE  
 © MISSISSIPPI DEPARTMENT OF TRANSPORTATION, 2005  
 PLANNING DIVISION





# Appendix N

Search

# National Wild & Scenic Rivers



<a href="#">National System</a>	<a href="#">Management</a>	<a href="#">Information</a>	<a href="#">Publications</a>	<a href="#">Site Navigation</a>	<a href="#">Rivers &amp; Trails</a>	<a href="#">Contact Us</a>
---------------------------------	----------------------------	-----------------------------	------------------------------	---------------------------------	-------------------------------------	----------------------------

## Black Creek

### Mississippi

*DeSoto National Forest  
 654 West Frontage Road  
 Wiggins, Mississippi 39577*

**Designated Reach:** October 30, 1986. The segment from Fairley Bridge Landing upstream to Moody's Landing.

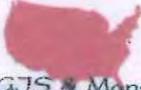
**Classification/Mileage:** Scenic — 21.0 miles; Total — 21.0 miles.

This scenic southern river features deep, black water and contrasting white sand bars as it follows a meandering course through Mississippi's coastal plain. The river and area provide a variety of opportunities for backpacking and fishing and six launch points provide for canoeing.



### Kid's Page

- [Home](#)
- [Rivers](#)
- [RTCA](#)



### GIS & Maps

- [Information](#)
- [Site Index](#)
- [Contact Us](#)



### WSR Display

- [Management](#)
- [WSR Council](#)
- [Publications](#)

*This web site uses pop-up windows — no advertising.*

[Privacy](#)

Black Creek Wild and Scenic River, Mississippi

Created on: 1/1/2007  
 Last updated: 11/13/2009 11:19:17  
 Site has changed since last visit!

# National Wild & Scenic Rivers







National System	Management	Information	Publications	Site Navigation	Rivers & Trails	Contact Us
-----------------	------------	-------------	--------------	-----------------	-----------------	------------

## Designated Wild & Scenic Rivers

Rivers that pass through several states may have segments in each state designated. For example, the Klamath River has designations in California and Oregon. Many rivers also have numerous tributaries designated (e.g., Washington's Skagit River). Multiple listings of some rivers indicate more than one segment of the river is designated (e.g., the Missouri River in Nebraska).

### Alabama

- [Black Warrior River \(Sipsey Fork\)](#)

[Top of the Page](#)

### Alaska

- [Alagnak River](#) — [National Park Service Site](#)
- [Alatna River](#)
- [Andreafsky River](#)
- [Aniakchak River](#)
- [Beaver Creek](#) — [Bureau of Land Management Site](#)
- [Birch Creek](#) — [Bureau of Land Management Site](#)
- [Charley River](#) — [National Park Service Site](#)
- [Chilikadrotna River](#)
- [Delta River](#) — [Bureau of Land Management Site](#)
- [Fortymile River](#) — [Bureau of Land Management Site](#)
- [Gulkana River](#) — [Bureau of Land Management Site](#)
- [Ivishak River](#)
- [John River](#)
- [Kobuk River](#)
- [Koyukuk River \(North Fork\)](#)
- [Mulchatna River](#)
- [Noatak River](#)
- [Nowitna River](#)
- [Salmon River](#)
- [Selawik River](#)
- [Sheenjek River](#)
- [Tinayguk River](#)
- [Tlikakila River](#)
- [Unalakleet River](#) — [Bureau of Land Management Site](#)
- [Wind River](#)

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### Arizona

- [Fossil Creek](#)
- [Verde River](#) — [U.S. Forest Service Site](#)

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### Arkansas

- [Big Piney Creek](#)
- [Buffalo River](#)
- [Cossatot River](#)
- [Hurricane Creek](#)
- [Little Missouri River](#)
- [Mulberry River](#)
- [North Sylamore Creek](#)
- [Richland Creek](#)



**Cossatot River, Arkansas**

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## California

- [Amargosa River](#)
- [American River \(Lower\)](#)
- [American River \(North Fork\) — Bureau of Land Management Site](#)
- [Bautista Creek](#)
- [Big Sur River](#)
- [Black Butte River](#)
- [Cottonwood Creek](#)
- [Eel River](#)
- [Feather River](#)
- [Fuller Mill Creek](#)
- [Kern River](#)
- [Kings River](#)
- [Klamath River — U.S. Forest Service Site](#)
- [Merced River — Bureau of Land Management Site](#)
- [Owens River Headwaters](#)
- [Palm Canyon Creek](#)
- [Piru Creek](#)
- [San Jacinto River \(North Fork\)](#)
- [Sespe Creek](#)
- [Sisquoc River](#)
- [Smith River](#)
- [Trinity River](#)
- [Tuolumne River — Bureau of Land Management Site](#)

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## Colorado

- [Cache la Poudre River](#)

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## Connecticut

- [Eightmile River](#)
- [Farmington River \(West Branch\) — Farmington River Committee Site](#)

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## Delaware

- [White Clay Creek \(See also Pennsylvania\)](#)

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## Florida

- [Loxahatchee River](#)
- [Wekiva River](#)

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## Georgia

- [Chattooga River \(See also North Carolina, South Carolina — U.S. Forest Service Site, Chattooga Net](#)

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## Idaho

- [Battle Creek](#)
- [Big Jacks-Creek](#)
- [Bruneau River](#)
- [Bruneau River \(West Fork\)](#)
- [Clearwater River \(Middle Fork\)](#)
- [Cottonwood Creek](#)
- [Deep Creek](#)
- [Dickshooter Creek](#)

- [Duncan Creek](#)
- [Jarbidge River](#)
- [Little Jacks Creek](#)
- [Owyhee River](#)
- [Owyhee River \(North Fork\)](#)
- [Owyhee River \(South Fork\)](#)
- [Red Canyon](#)
- [Rapid River](#)
- [Saint Joe River](#)
- [Salmon River](#)
- [Salmon River \(Middle Fork\)](#)
- [Sheep Creek](#)
- [Snake River \(See also Oregon\)](#)
- [Wickahoney Creek](#)

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### Illinois

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### Louisiana

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### Maine

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### Massachusetts

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- [Sudbury, Assabet and Concord Rivers](#)
- [Taunton River](#)

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### Michigan

- [Au Sable River](#)
- [Bear Creek](#)
- [Black River](#)
- [Carp River](#)
- [Indian River](#)
- [Manistee River](#)
- [Ontonagon River](#)
- [Paint River](#)
- [Pere Marquette River](#)
- [Pine River](#)
- [Presque Isle River](#)
- [Sturgeon River \(Hiawatha National Forest\)](#)
- [Sturgeon River \(Ottawa National Forest\)](#)
- [Tahquamenon River \(East Branch\)](#)
- [Whitefish River](#)
- [Yellow Dog River](#)

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### Minnesota

- [St. Croix River \(Lower\)](#) (See also Wisconsin) — [National Park Service Site](#)
- [St. Croix River \(Upper\)](#) (See also Wisconsin) — [National Park Service Site](#)
- [St. Croix River \(Lower\)](#) (See also Wisconsin)

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## Mississippi

- [Black Creek](#)

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## Missouri

- [Eleven Point River](#)

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## Montana

- [Flathead River](#)
- [Missouri River](#) — [Bureau of Land Management Site](#)

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## Nebraska

- [Missouri River](#) (See also South Dakota) — [National Park Service Site](#)
- [Missouri River](#) (See also South Dakota) — [National Park Service Site](#)
- [Niobrara River](#) — [National Park Service Site](#)

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## New Hampshire

- [Lamprey River](#)
- [Wildcat Brook](#)

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## New Jersey

- [Delaware River \(Lower\)](#) (See also Pennsylvania)
- [Delaware River \(Middle\)](#) (See also Pennsylvania) — [National Park Service Site](#)
- [Great Egg Harbor River](#)
- [Maurice River](#)
- [Musconetcong River](#)

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## New Mexico

- [Jemez River \(East Fork\)](#)
- [Pecos River](#)
- [Rio Chama](#) — [Bureau of Land Management Site](#)
- [Rio Grande](#) — [Bureau of Land Management Site](#)

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## New York

- [Delaware River \(Upper\)](#) (See also Pennsylvania) — [National Park Service Site](#)

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## North Carolina

- [Chattooga River](#) (See also Georgia, South Carolina) — [U.S. Forest Service Site](#), [Chattooga Net](#)
- [Horsepasture River](#)
- [New River](#) — [State of North Carolina Site](#)
- [Lumber River](#) — [State of North Carolina Site \(Lumber River State Park\)](#)
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