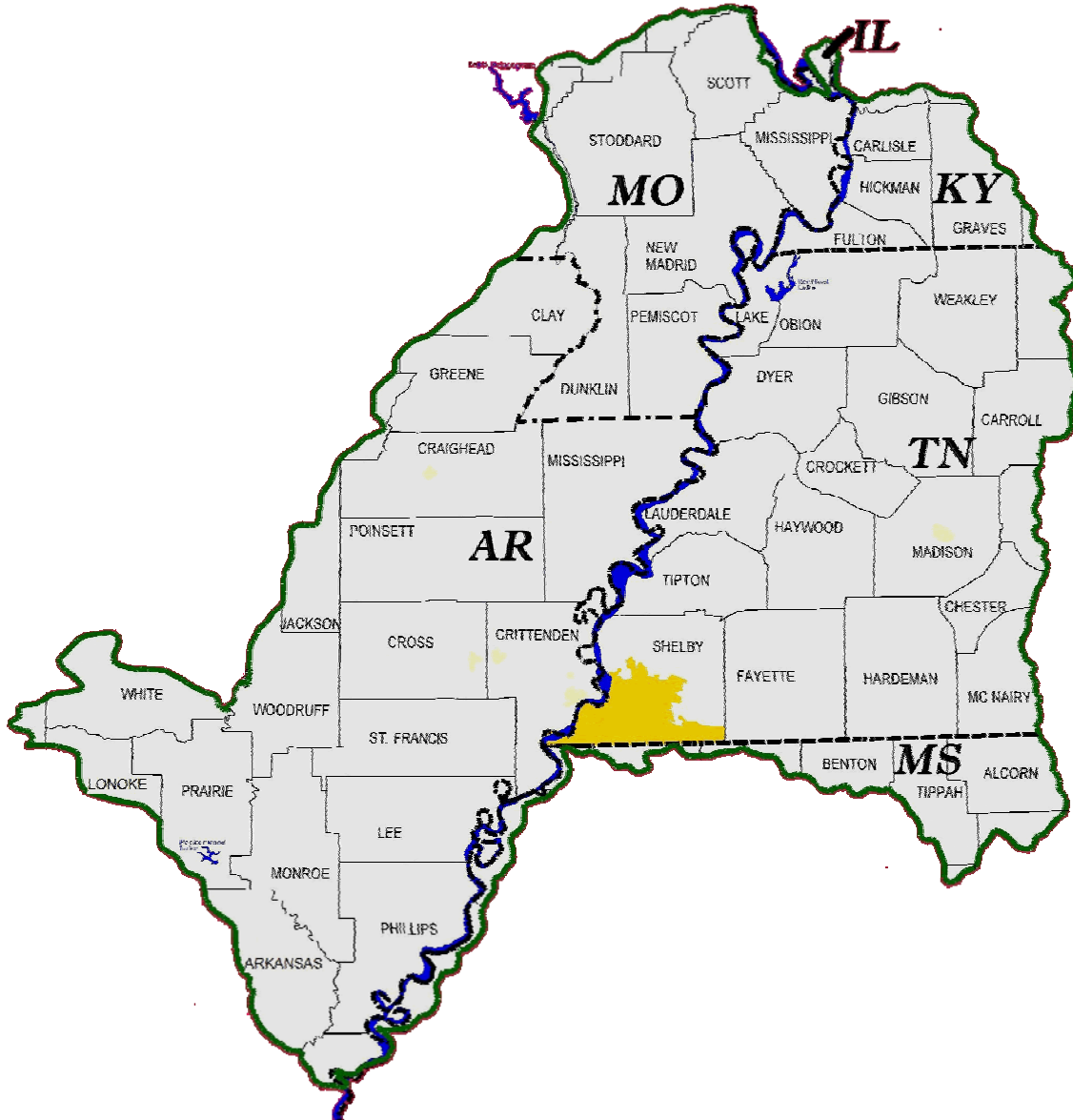




US Army Corps  
of Engineers  
Memphis District



# MEMPHIS DISTRICT



## ARKANSAS FACT SHEETS AND MAPS



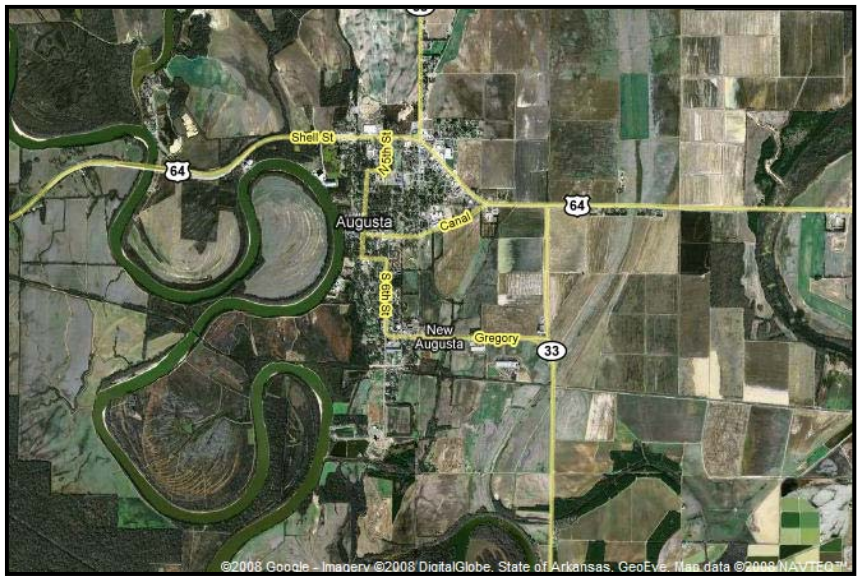
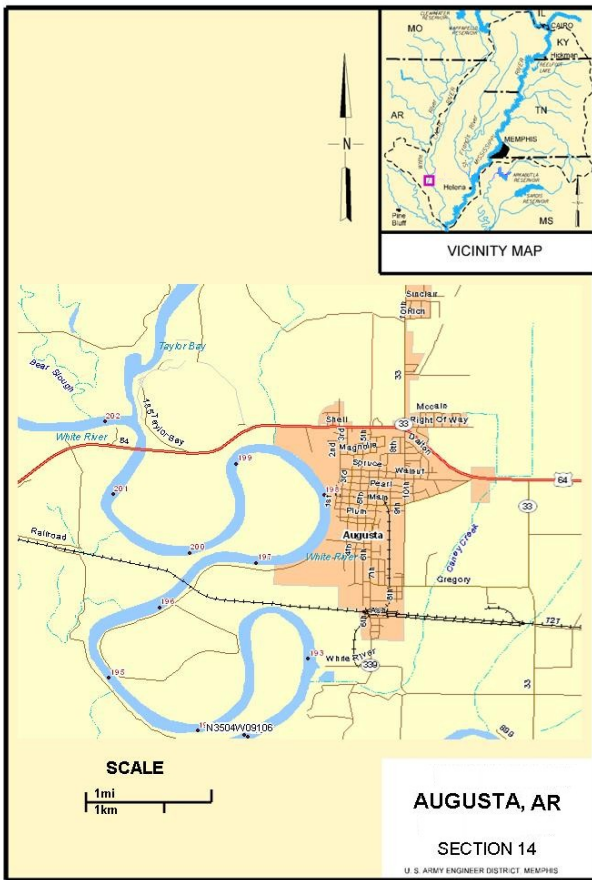
*One Corps Serving The Armed Forces and The Nation*





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**Study Name:** Augusta, Arkansas

**Authority:** Flood Control Act of 1946, Sec. 14

**Location and Description:** The study area is located in Woodruff County, approximately 60 miles northeast of Little Rock, AR or about 20 miles east of Searcy, AR. The White River is migrating toward the city of Augusta and is threatening an existing sewer line. If erosion continues, the sewer line will cause significant environmental damages caused by the sewage flow emptying into the White River. Bank stabilization is needed along the east bank (left descending bank) of the White River to protect an existing sewer line. The city of Augusta will act as the non-Federal sponsor for the project.

**Status and Proposed Operations:** \$100,000 was received in Fiscal Year 2007 to initiate and complete the feasibility study. The study is scheduled for completion in September 2008. FY 2009 funds if available could be used to execute a Project Cooperation Agreement and design and implement the project, pending the outcome of the feasibility study. The project will consist of protection to a sewer line, probably by utilizing rock/riprap type protection.

**Project cost:** The estimated cost of the project, including Feasibility is \$100,000, Design & Implementation, is \$1,385,000 of which \$900,000 is Federal cost and \$485,000 is the responsibility of the non-Federal sponsor. This is a preliminary cost estimate for the design and implementation phase.

**Memphis District POC:**

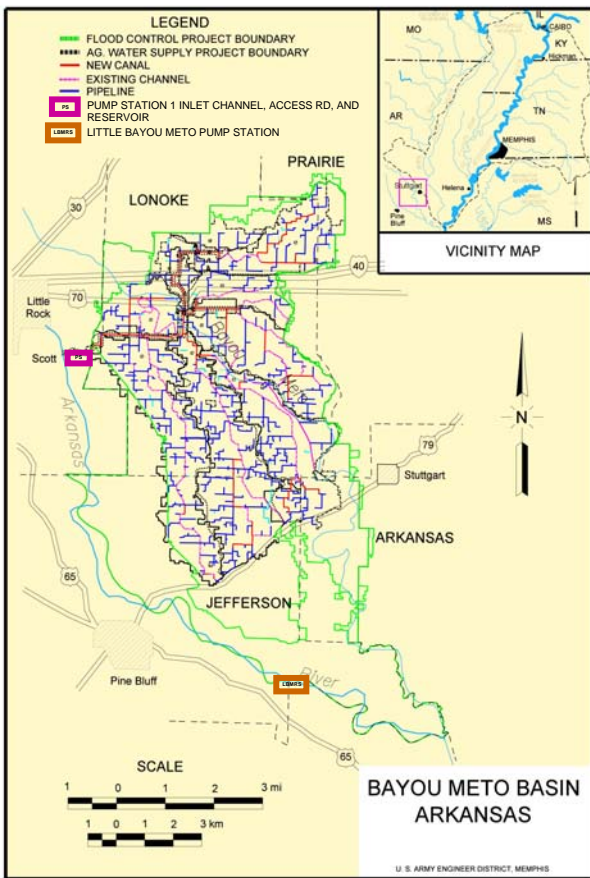
**Name:** Jackie Whitlock

**Phone:** 901-544-3832

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**As of:** February 2008





## Groundwater Protection and Conservation



## Agricultural



## Waterfowl Management

## Agricultural Flooding



**Project Name:** Bayou Meto Basin, Arkansas

**Authority:** Water Resources Development Act of 1996, Sec. 363

**Location and Description:** The project is located in east central Arkansas in Lonoke, Pulaski, Prairie, Jefferson, and Arkansas Counties. The major problems are agricultural flooding, loss of environmental resources, and the depletion of the alluvial aquifer, which provides essentially all the water used for agricultural irrigation and baitfish farming and supports area wetlands. Features of the project include diversion of excess water from the Arkansas River via a delivery system that contains pump stations, a system of new canals, existing streams, and pipelines to the water depleted areas; channel improvements and a pumping station to provide an outlet for reduced flooding; waterfowl conservation and management measures; and other environmental restoration and enhancement features. The State of Arkansas is assuming non-Federal sponsorship of the project and is using its bonding authority to insure that funding for the non-Federal cost share is available when Federal funds become available for construction.

**Status:** \$2,657,000 was allocated for Fiscal Year 2008 and these funds are being used to finalize the Project Partnership Agreement (PPA) and to continue design of future items of work, including initiating pump station design. Upon allocation of construction funding, the PCA package will be submitted for approval by the Assistant Secretary of the Army for Civil Works, followed by execution of the agreement by the Corps of Engineers and the project sponsor.

**Project cost:** The estimated cost of the project, including preconstruction, engineering and design activities, is \$556,726,000 of which \$358,108,000 is Federal cost and \$198,618,000 is the responsibility of the non-Federal sponsor.

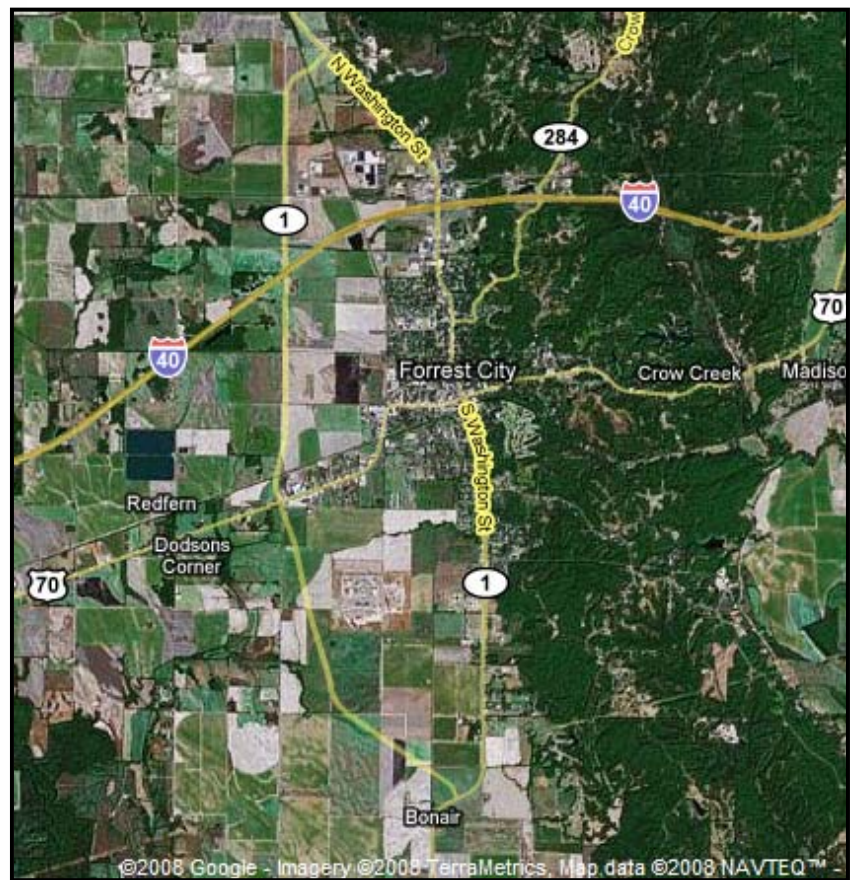
### Memphis District Point of Contact:

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**As of:** 2 June 2008



**Study Name:** Forrest City, Arkansas

**Authority:** WRDA 1974, Sec. 22

**Location and Description:** This study is a joint venture with Forrest City located St. Francis County, Arkansas. The study consists of identifying plans for infrastructure development around the newly constructed Highway 1 By-pass. Infrastructure needed in the area includes flood control and drainage; sanitary sewer and water; flood plain delineation, environmental measures, and streets and roads. Forrest City, Arkansas is the non-Federal sponsor.

**Status:** The Planning Assistance to States Agreement was executed with the non-Federal sponsor, the City of Forrest City, AR, in February 2008. The study for Master Plan Development for the Forrest City area will be initiated as soon as the sponsor provides their matching contribution. Initial funds in the amount of \$40,000 were received in FY 2007 and will be used to initiate the study. The study will address drainage needs of the area and provide initial planning for water and sewer infrastructure. FY 2008 funds of \$160,000 will be used to complete the study with regards to water and sewer infrastructure development. The non-Federal sponsor has indicated their financial capacity to cost share remaining studies. The study is a multi-year study and is expected to be completed in phases.

**Project cost:** The estimated cost of the project study is \$400,000 of which \$200,000 is Federal cost and \$200,000 is the responsibility of the non-Federal sponsor.

**Memphis District POC:**

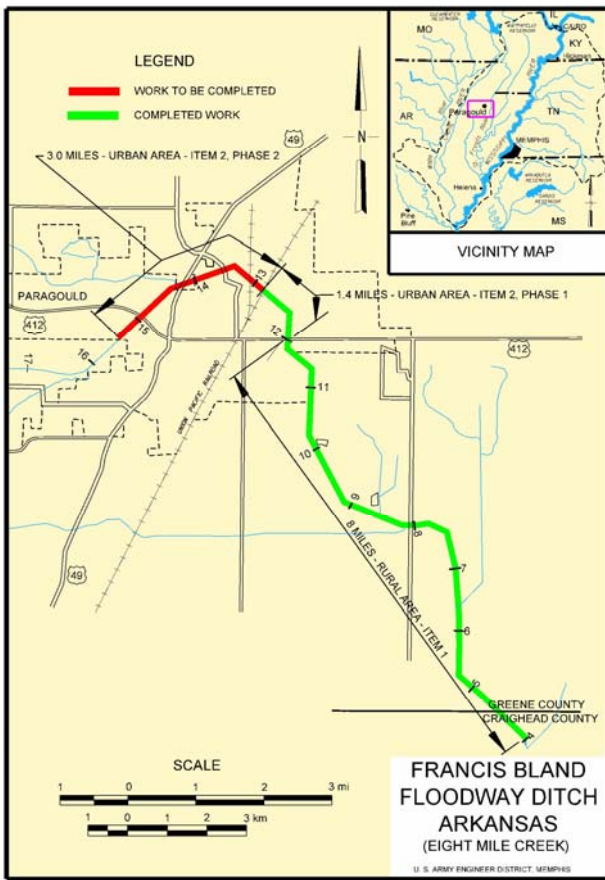
**Name:** Jackie Whitlock

**Phone:** 901-544-3832

**E-mail address:** Jackie.S.Whitlock@usace.army.mil

**As of:** February 2008





**Phase 2  
Bridge Protection**



**Phase 2  
Toe Protection**

**Project Name:** Francis Bland Floodway Ditch (Eight Mile Creek), Arkansas

**Authority:** 1985 Supplemental Appropriations Act (PL 99-88); WRDA 1986 (PL 99-662), Sec. 103

**Location and Description:** This flood damage prevention project is located in Greene and Craighead Counties, AR. The project consists of 12.4 miles of channel improvement (4.4 miles urban and 8.0 miles rural). The project will provide 100-year protection in the urban area. While the Arkansas Natural Resource Commission (ANRC), (formerly Arkansas Soil and Water Conservation Commission) is the official sponsor, the city of Paragould provided required rights-of-way and relocations via a third party agreement with ANRC.

**Status:** Construction of the final phase, Item 2, Phase 2, Urban Channel Enlargement was completed in November 2006. Coordination of project closeout with the sponsor is underway. The final activity will be the revision of FEMA's flood plain maps via a Letter of Map Revision, which is scheduled to be submitted to FEMA in March 2008. Allocation thru Fiscal Year 2007 is \$15,348,000 with a balance to complete after FY 2008 is \$35,000.

**Project cost:** The estimated cost of the project construction is \$20,397,000 of which \$15,383,000 is Federal cost and \$5,015,000 is the responsibility of the non-Federal sponsor.

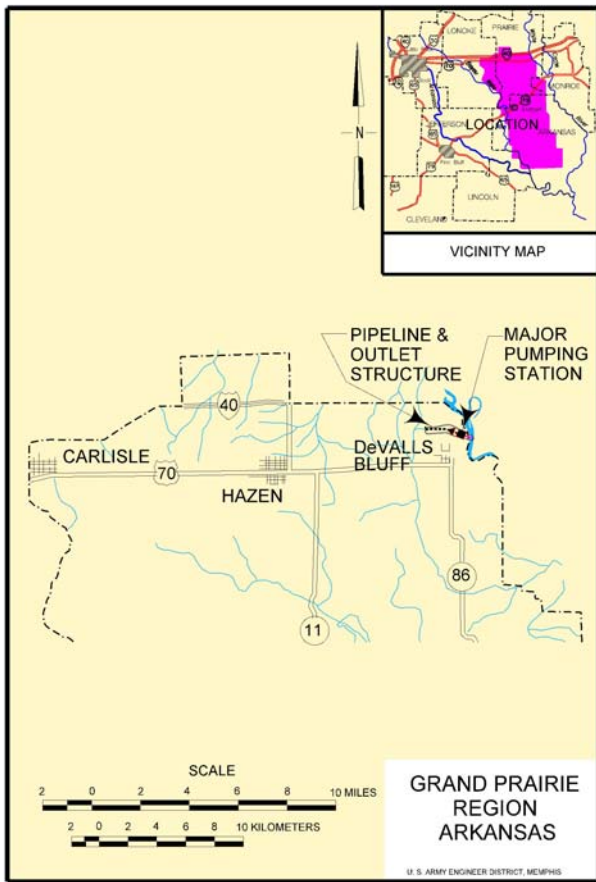
**Memphis District POC:**

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**As of:** February 2008



**Artist's  
Rendering  
Pumping  
Station**

**Pumping Station  
Construction Site  
DeValls Bluff,  
Arkansas**



**Summer of 2006**



**Condition as of  
August 2007**

**Project Name:** Grand Prairie Region, Arkansas

**Authority:** Flood Control Act (FCA) of 1950, Sec. 204 (authorized construction); Water Resources Development Act (WRDA) of 1986, Sec. 1001(b) (de-authorized project); WRDA 1996, Sec. 363 (authorized for construction, expanding the scope to include ground water protection and conservation, agricultural water supply, and waterfowl management, if the Secretary determines the project is technically sound, as well as, environmentally acceptable and economic).

**Location and Description:** The Grand Prairie portion of the Grand Prairie Region and Bayou Meto Basin, Arkansas, Project is primarily located in Arkansas and Prairie Counties and a small portion in Lonoke and Monroe Counties. This project will provide for agricultural water supply, ground water protection, and fish and wildlife restoration and enhancement. The project features include a major pumping station, conveyance channels, and conservation measures for the Grand Prairie area. The sponsors are the State of Arkansas and the White River Regional Irrigation Water Distribution District.

**Status:** The Notice to Proceed for construction of the pumping station was issued on 8 Apr 05. Construction was halted in July 06, with the construction about 20 percent completed. Construction was halted as a result of a lawsuit which contends the US Army Corps of Engineers and the US Fish and Wildlife Service (F&WS) violated the Endangered Species Act (ESA) concerning the Ivory-Billed Woodpecker (IBW). Construction continues to be suspended, pending the Judge's ruling.

**Project Cost:** The estimated cost to design and construct this project is \$319,000,000, of which \$208,000,000 is Federal cost and \$111,000,000 is the responsibility of the non-Federal sponsor.

**Memphis District POC:**

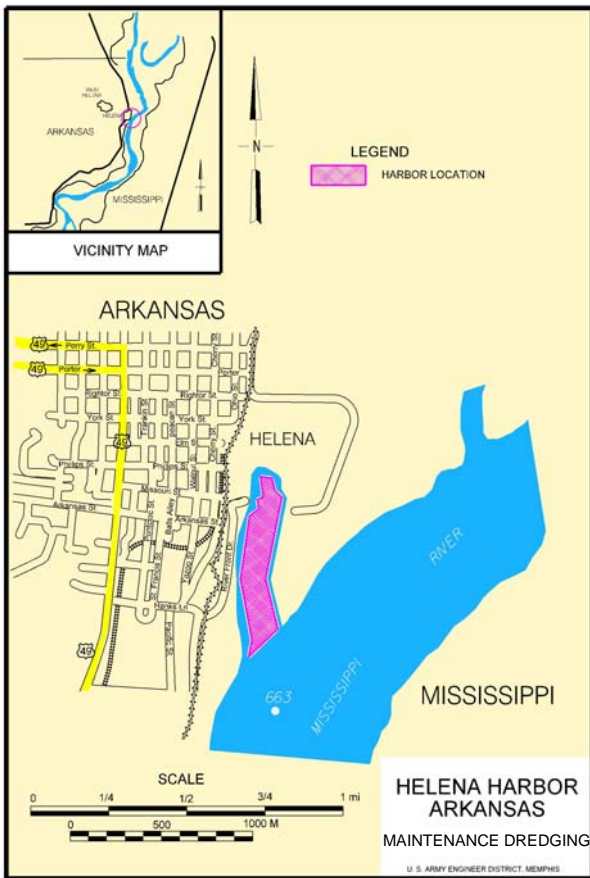
**Name:** Paul Hamm

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**As of:** June 2008





**Aerial photo of Helena Harbor**

**Project Name:** Osceola Harbor, AR

**Authority:** River and Harbor Act of 1960, Section 107, as amended; WRDA 2007, Sec. 3010

**Location and Description:** This harbor is located on the Mississippi River (mile 785.0) at Osceola, in Mississippi County, Arkansas. This is a slack-water harbor used primarily for the export of agricultural goods. The project provides for maintenance of a navigation channel for year-round access for barge transportation. The approved channel dimensions are 9 feet deep by 250 feet wide by 6,500 feet long, with a 250-foot radius turning basin at the upstream end. The local interest is the City of Osceola, AR.

**Status:** FY 2008 funds of \$767,000 will be used to dredge the harbor in summer 2008. The FY 2009 President's Budget Request includes \$13,700 in funding for surveys only. If funds are available they could be used to dredge the harbor to the authorized dimensions and to dredge the turning basin.

**Memphis District POC:**

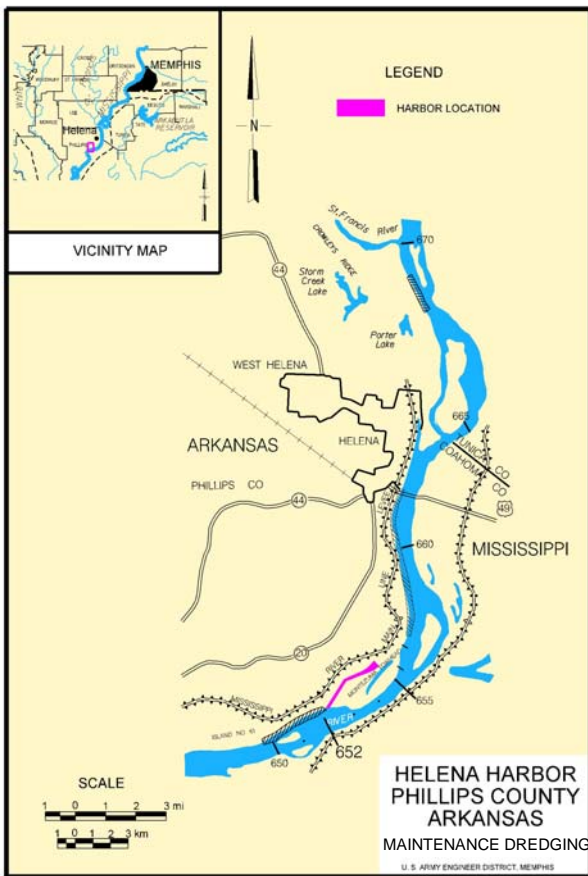
**Name:** Christopher Atkins

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**E-mail address:** Christopher.L.Atkins@usace.army.mil

**As of:** February 2008





**Aerial photo of Helena Harbor, Phillips County.**



**Project Name:** Helena Harbor, Phillips County, Arkansas

**Authority:** WRDA 1986, as amended.

**Location and Description:** The harbor is located in Phillips County, about five miles south of Helena, Arkansas, at mile 652 on the lower Mississippi River. This is a slack-water harbor used primarily for the export of agricultural goods. The approved channel dimensions are 9 feet deep by 300 feet wide by 3.85 miles long, with an additional 50 feet of width for berthing, a 100 feet by 1000 feet fleeting area, and a 600 feet by 600 feet turning basin. The local interest is the Helena, West Helena, Phillips County Port Authority.

**Status:** Fiscal Year 2008 funds of \$394,000 will be used to dredge this harbor in late spring 2008. Funds included in the President's Budget Request for FY 2009 will allow operations work, including surveys and limited harbor dredging at the mouth. If funds in FY 2009 are available they could be used for dredging up to the location of industry in the harbor (3,500 feet of the harbor length).

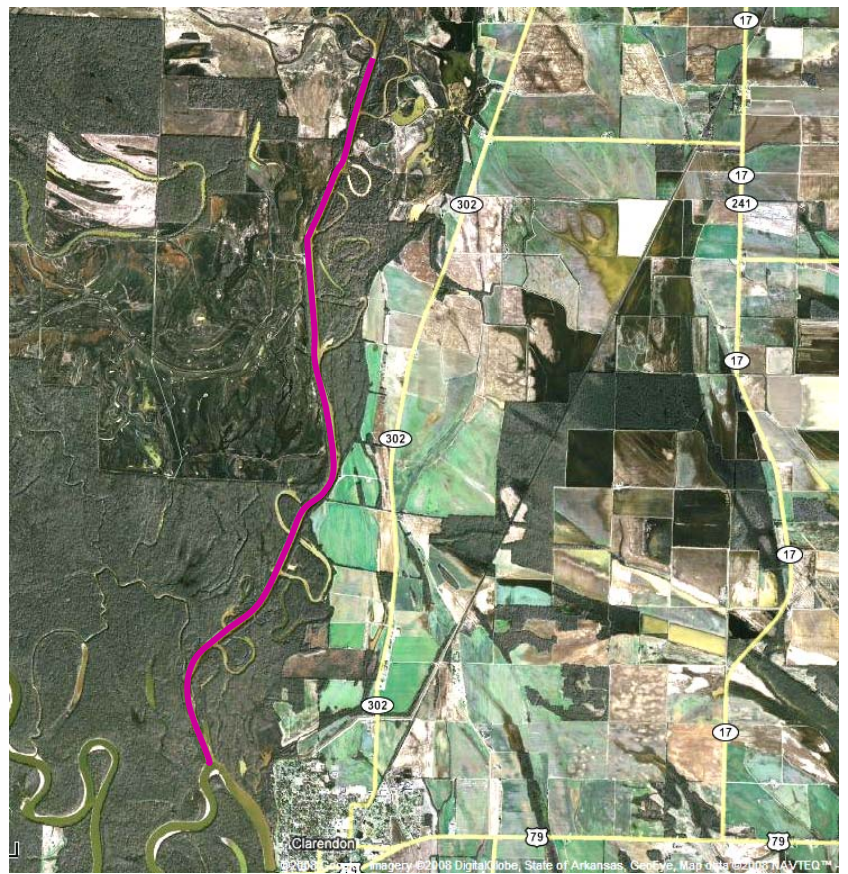
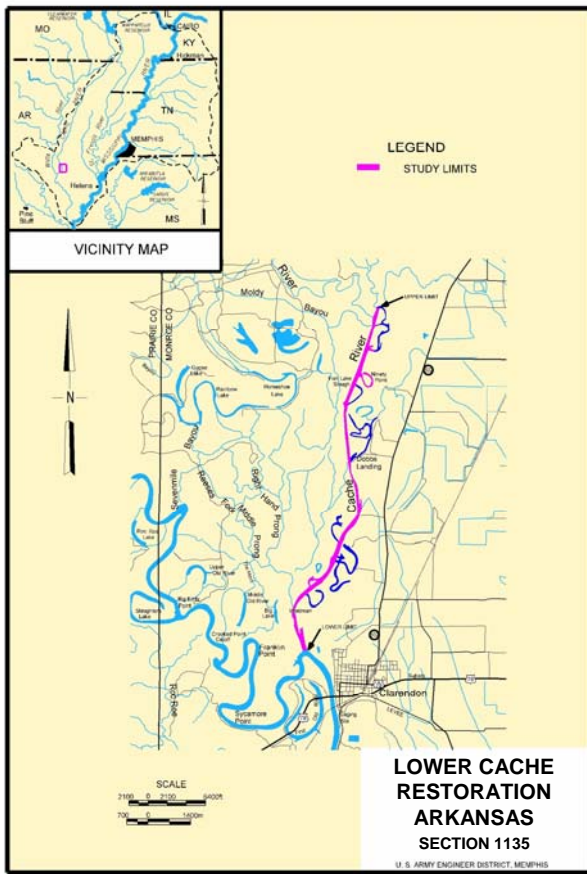
**Memphis District POC:**

**Name:** Christopher Atkins

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**As of:** February 2008



**Project Name:** Lower Cache Restoration, Arkansas

**Authority:** WRDA 1986, Sec. 1135, as amended

**Location and Description:** The project is located in Monroe County, Arkansas. The project consists of restoring flows at up to six meanders cut off by flood control work constructed during the 1970's would increase fish and wildlife habitat within the area designated by the Ramsar Convention as "Wetlands of International Importance". Ducks Unlimited and Arkansas Game and Fish Commission are the non-Federal sponsors for this project.

**Status:** \$375,000 was allocated in 2008 and is being used to complete the feasibility study in 2009. The estimated cost for design and construction of the proposed plan is \$4,902,000 of which \$3,489,000 is Federal cost and \$1,413,000 is the responsibility of the non-Federal sponsor.

**Memphis District POC:**

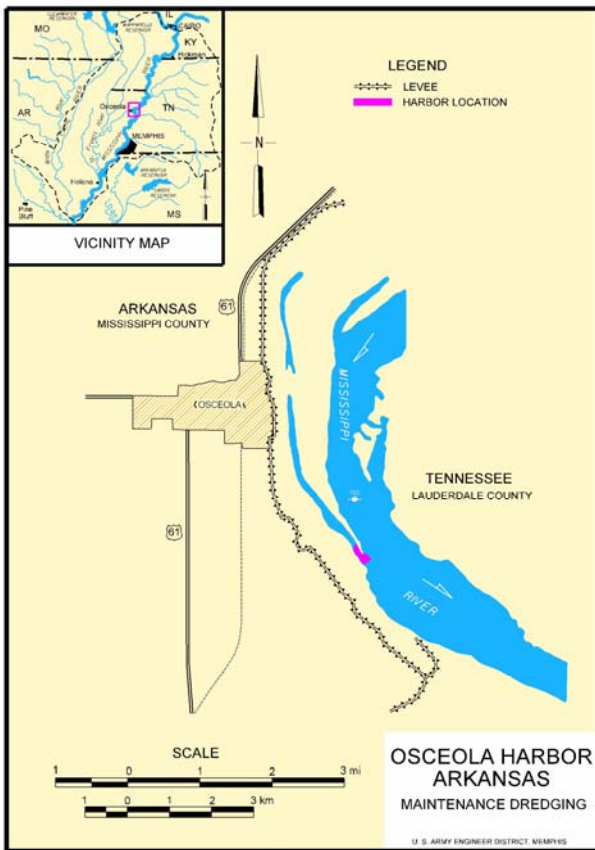
**Name:** Jackie Whitlock

**Phone:** 901-544-3832

**E-mail address:** Jackie.S.Whitlock@usace.army.mil

**As of:** February 2008





**Aerial photo of Osceola Harbor, AR**

**Project Name:** Osceola Harbor, AR

**Authority:** River and Harbor Act of 1960, Section 107, as amended; WRDA 2007, Sec. 3010

**Location and Description:** This harbor is located on the Mississippi River (mile 785.0) at Osceola, in Mississippi County, Arkansas. This is a slack-water harbor used primarily for the export of agricultural goods. The project provides for maintenance of a navigation channel for year-round access for barge transportation. The approved channel dimensions are 9 feet deep by 250 feet wide by 6,500 feet long, with a 250-foot radius turning basin at the upstream end. The local interest is the City of Osceola, AR.

**Status:** FY 2008 funds of \$767,000 will be used to dredge the harbor in summer 2008. The FY 2009 President's Budget Request includes \$13,700 in funding for surveys only. If funds are available they could be used to dredge the harbor to the authorized dimensions and to dredge the turning basin.

**Memphis District POC:**

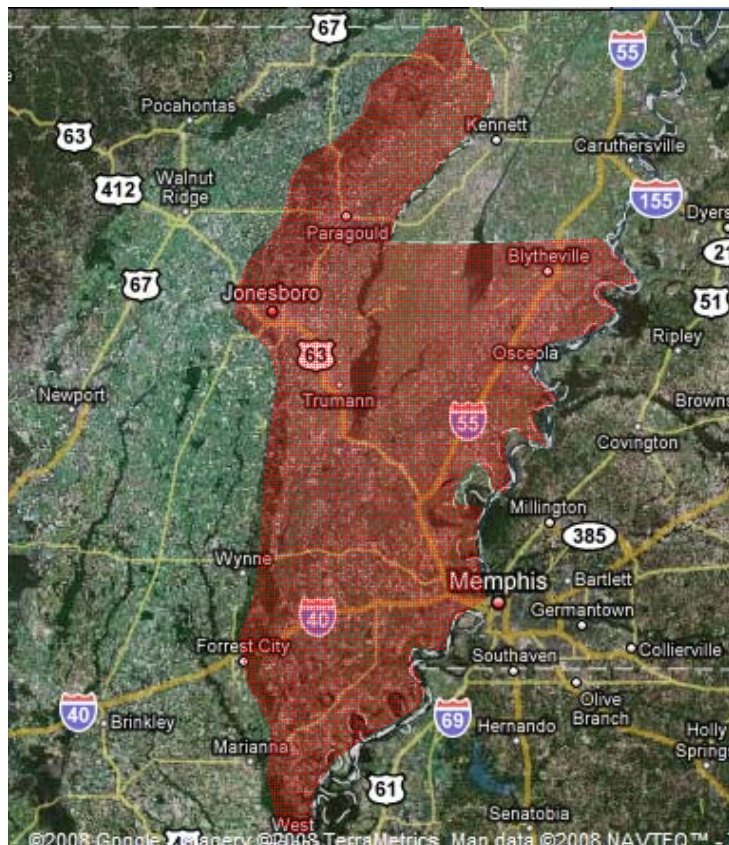
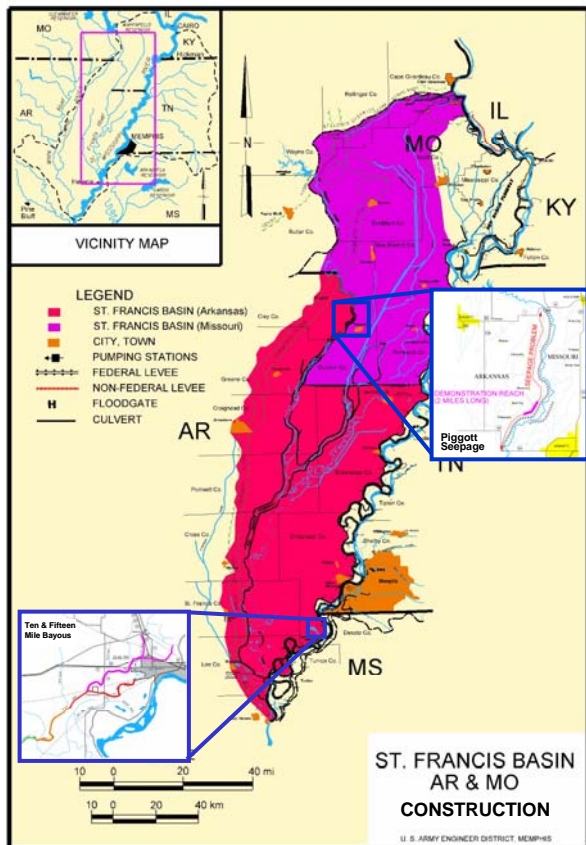
**Name:** Christopher Atkins

**Phone:** 901-544-0816

**E-mail address:** Christopher.L.Atkins@usace.army.mil

**As of:** February 2008





**Project Name:** St. Francis Basin, AR & MO

**Authority:** Flood Control Acts of 1928, 1936, 1938, 1941, 1944, 1946, 1950, 1958, 1965, and 1968; WRDA 1974 and WRDA 2007, Secs. 2036, 3011, and 3182.

**Location and Description:** The project is located in southeastern Missouri and northeastern Arkansas. The project provides protection against headwater floods by means of a detention reservoir at Wappapello, Missouri, improvement of the flood-carrying capacities of the St. Francis and Little Rivers and their principal tributaries by means of channel improvements, new channels, auxiliary channels, and leveed floodways. Protection against backwater flooding from the Mississippi River is provided by realignment of the St. Francis River channel supplemented with auxiliary channels, levee construction, and a pumping plant and floodgate. Project authorization provides for Federal operation and maintenance. 24 levee and drainage districts provide project sponsorship.

**Status:** \$6,888,000 was allocated for Fiscal Year 2008 for construction in Arkansas.

**Project cost:** The estimated cost of the project, including construction, is \$469,849,000 of which \$467,871,000 is Federal cost and \$1,978,000 is the responsibility of the non-Federal sponsor.

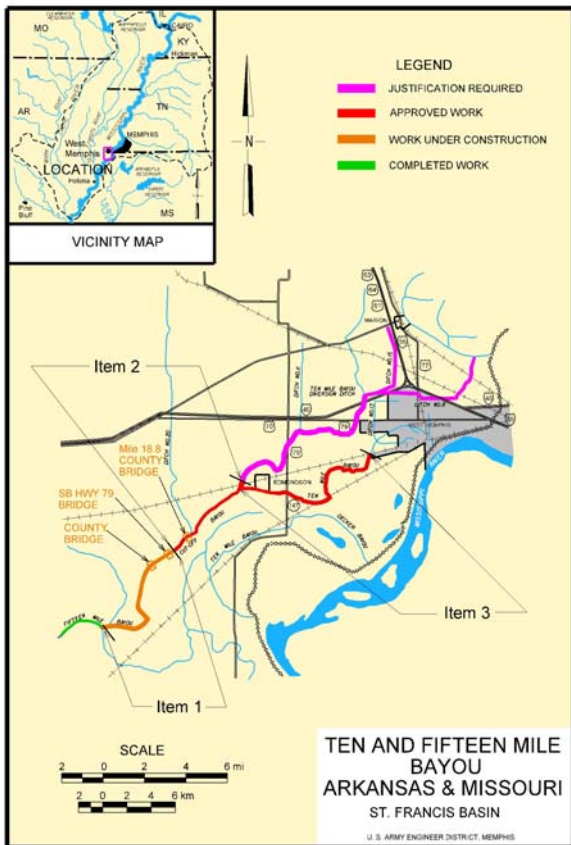
**Memphis District POC:**

**Name:** Dewey Powell

**Phone:** 901-544-3940

**E-mail address:** Dewey.L.Powell@usace.army.mil

**As of:** February 2008



This bridge being constructed for Proctor Road will span the much wider channel width of 15 Mile Bayou.



This photo shows work that has already been completed on 15 Mile Bayou channel enlargement Item 1. The view is upstream from the Arkansas Hwy 50 Bridge.

**Item Name:** Ten and Fifteen Miles Bayou, AR, St. Francis Basin, AR & MO

**Authority:** Flood Control Acts of 1928, 1936, 1938, 1941, 1944, 1946, 1950, 1958, 1965, and 1968; WRDA 1974 and WRDA 2007, Secs. 2036, 3011, and 3182. It was authorized as an integral part of the St. Francis Basin in the FY 2001 Consolidated and Emergency Supplemental Appropriations Act, Section 104.

**Location and Description:** The proposed work is located just west of West Memphis in Crittenden and St. Francis Counties.

**Status:** FY 2008 funds of \$1,172,000 to completely fund 15 Mile Bayou Channel Enlargement, Item 2a, \$1,876,000 to initiate 15 Mile Bayou Channel Enlargement, Item 2b (fully fund), \$940,000 to continue Upper 15 Mile Bayou General Reevaluation Report, and \$900,000 to continue 15 Mile Bayou Land Acquisition, Item 2b.

**Memphis District POC:**

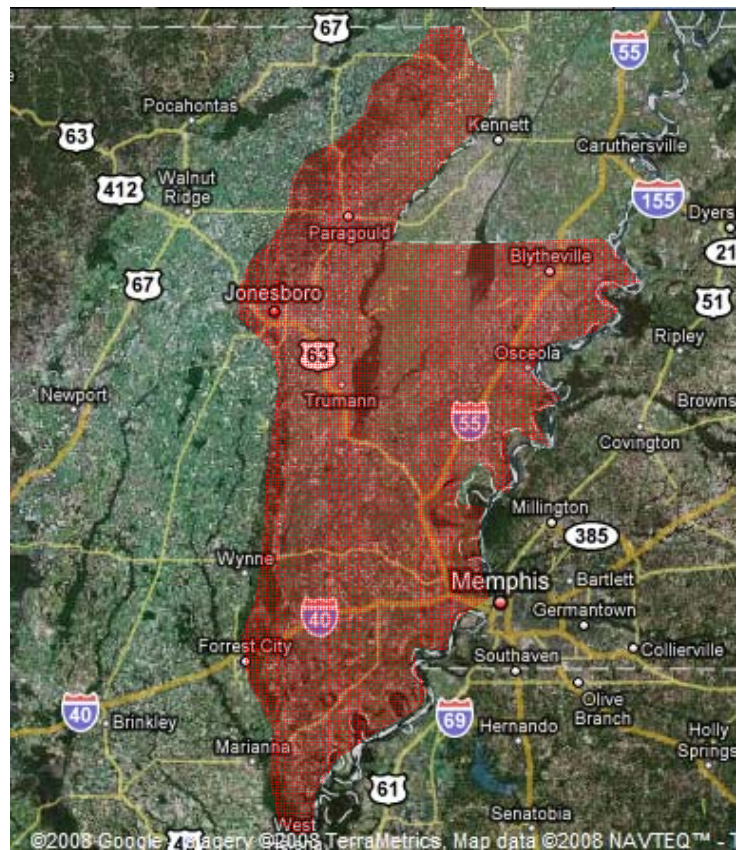
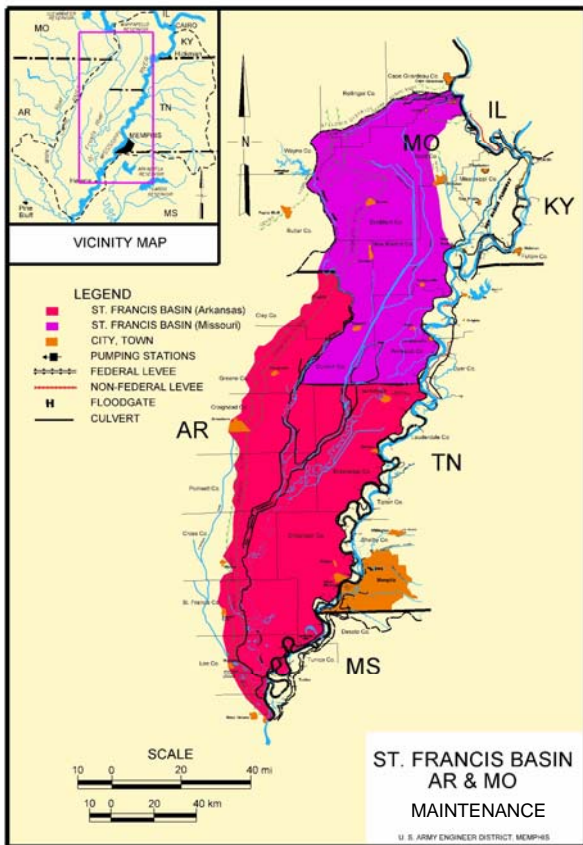
**Name:** Dewey Powell

**Phone:** 901-544-3940

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**As of:** June 2008





**Project Name:** St. Francis River and Tributaries, AR & MO

**Authority:** The St. Francis Basin Project was authorized by the Flood Control Act, 15 May 1928, as amended by the Acts of 15 June 1936, 18 August 1941, 24 July 1946, 17 May 1950, 27 October 1965 and 13 August 1968. Local cooperation requirements were modified by the Flood Control Act of 24 July 1946, and limited local responsibility to ordinary maintenance as defined by Section 3 of the Flood Control Act of 15 May 1928.

**Location and Description:** The St. Francis Basin extends from the hills southwest of Cape Girardeau, Missouri, to the confluence of the St. Francis and Mississippi Rivers – approximately 10 miles north of Helena, Arkansas. The project provides for a certain level of Federal maintenance of authorized facilities – levees and channels – to provide the authorized level of flood protection. There are two pumping stations - Drainage District #17 and W. G. Huxtable Pumping Plant - built, maintained and operated by the Corps of Engineers. Major maintenance of the authorized features of the St. Francis Basin Project is done at no cost to the local sponsor (100% Federally funded). Local interests are only responsible for minor maintenance and rights-of-entry.

**Status:** \$9,840,000 was allocated for work being accomplished with FY 2008 funds. \$5,240,000 Land & Damages, Cultural Resources, Engineering, Design, Construction Management and Operate and Maintain Two Pumping Stations in Arkansas. \$2,000,000 Elk Chute South Levee Setback – Reach 1. \$1,500,000 Below Highway 90, AR – Channel Cleanout. \$500,000 Glennonville, MO Scour Repair. \$75,000 Culvert Removal – Block Hole, MO. \$275,000 Castor River – Clearing and Snagging. \$100,000 Big Lake Control Structures, AR – Electrical Controls Renovation. \$100,000 Ditch 10, AR Scour Repair / Culvert Replacement. \$50,000 Big Slough Ditch, AR – Culvert Replacement.

**Memphis District POC:**

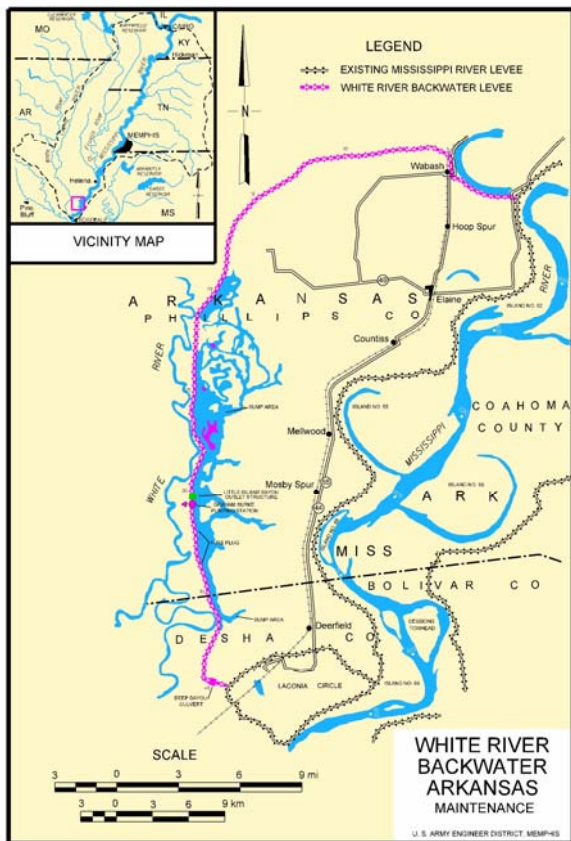
**Name:** Rodger Funderburk

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**As of:** February 2008





**Project Name:** White River Backwater, Arkansas

**Authority:** The Flood Control Act of 15 May 1928, as amended. Local cooperation requirements, as modified by the Flood Control Act of 30 October 1951, were limited to ordinary maintenance as defined by Section 3 of the Flood Control Act of 15 May 1928.

**Location and Description:** The White River Backwater Project is located approximately 20 miles south of Helena, near Elaine, AR, in Phillips and Desha Counties. It consists of 40.2 miles of levee, the Graham Burke Pumping Station, the Little Island Bayou Outlet Structure and Deep Bayou Culvert. The White River Backwater levee, together with the Mississippi River Levee between Old Town and Laconia Circle, protects the enclosed area against all but very large floods. The combined levee system reduces extreme crests on the White River by admitting drainage into the enclosed area thereby restoring the White River Backwater Pool.

**Status:** FY 2008 funds of \$984,000 are being used for operation and maintenance activities at Graham Burke Pumping Station and for levee maintenance. The FY 2009 Budget Request of \$1,039,000 represents an illustrative distribution of operation and maintenance activities subject to revision during the course of the year, and therefore individual project estimates should not be considered as budget amounts and the request includes funds for normal operation and maintenance activities within the project area assuming minimal pumping is required.

**Memphis District POC:**

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**Phone:** 901-544-4018

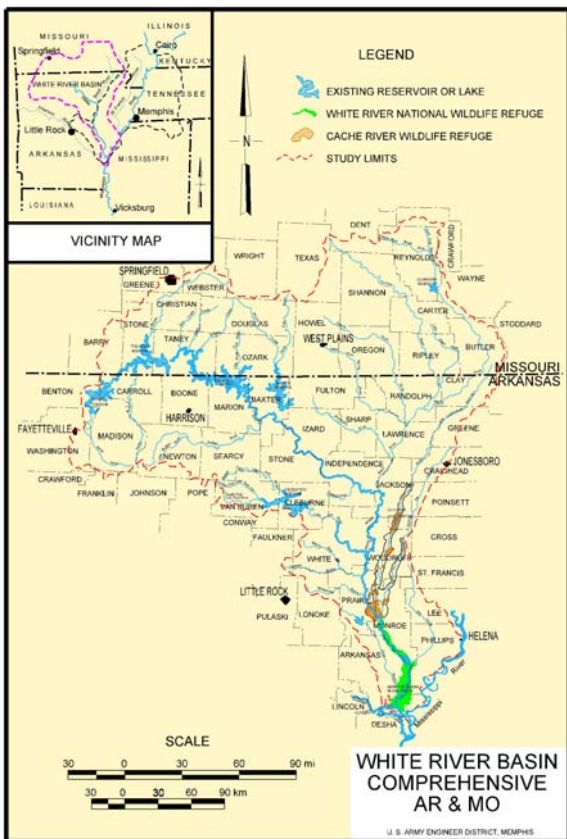
**E-mail address:** Laura.Rowland@usace.army.mil

**As of:** February 2008

## Bull Shoals Dam, AR



## Hurricane Lake Wildlife Management Area, AR



**Study Name:** White River Basin Comprehensive, Arkansas & Missouri

**Authority:** WRDA 86, Section 729; WRDA 2000 established the cost sharing of Section 729 studies at 50 % Federal/50% non-Federal, half of which can be in-kind services and increased the authorization ceiling from \$5,000,000 to \$15,000,000. WRDA 2007, Sec. 2010 modified the cost sharing to 75% Federal/25%non-Federal, 100% of which can be in-kind services.

**Location and Description:** The White River Basin comprises approximately 28,000 square miles in northeastern Arkansas (AR) and southern Missouri (MO). The basin contains five large multi-purpose reservoirs and one reservoir primarily for flood control; over 150 miles of flood control levees along the White River and its tributaries; 2 major national wildlife refuges; and the largest remaining concentration of seasonally flooded bottomland hardwoods in the Mississippi Valley. The study will identify water resources needs and opportunities. Potential study outputs address water resources needs for water supply, flood control, waste water management, navigation, recreation, power generation, and other water resources related needs identified in the comprehensive study. Cost-sharing sponsors include, but are not limited to: AR Natural Resources Commission, AR Game and Fish Commission, Missouri Department of Conservation, Missouri Department of Natural Resources, and The Nature Conservancy.

**Status:** FY 2008 funds and funds carried over from 2007 are being used to initiate the Recreation Study Phase II (\$140,000 in AR), continuation of Hydraulic & Sedimentation Study (\$50,000 in AR), initiate Ecological Sustainable Water Management Process (\$200,000 in MO and \$200,000 in AR), continuation of unsteady flow model (\$25,000 in MO and \$25,000 in AR) and initiate Water Quality Monitoring in the Upper White River Basin (\$300,000 in MO). FY 2009 funds if available could be used to fully fund a contract for the King Study which will analyze the impacts of hydrologic changes on vegetation communities of the White River Basin in Arkansas.

**Project cost:** The estimated cost of the project Comprehensive Studies \$8,600,000 of which \$4,300,000 is Federal cost and \$4,300,000 is the responsibility of the non-Federal sponsor.

### Memphis District POC:

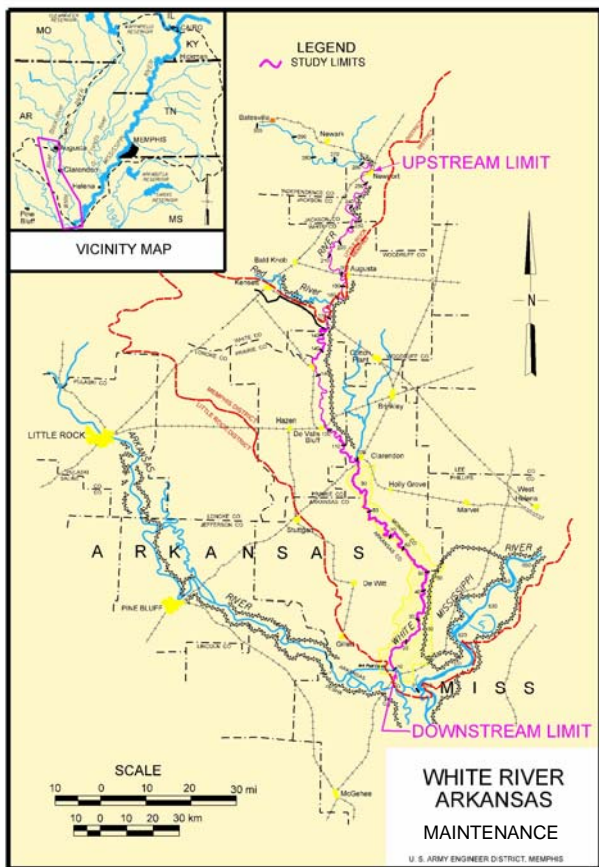
**Name:** Clyde Hunt

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**As of:** February 2008





## Dredging



## Clearing and Snagging

**Project Name:** White River, AR

**Authority:** The River and Harbors Act of 13 July 1892 authorized the original project. Maintenance was discontinued after FY 1951 due to a decline in traffic volume. Maintenance was resumed in FY 1961. The Office of the Chief of Engineers modified the project authority on 11 March 1968, per Section 107 of the 1960 River and Harbors Act.

**Location and Description:** This project is located on the White River from mile 9.8 to mile 255, near Newport, in Jackson County. The project provides for maintenance of the navigation channel with sufficient width and depth to accommodate existing commerce by snagging, dredging, and construction work. The existing authority is for 4.5 feet by 100 feet from mile 198 to 255 at 3.5 feet on the Newport gage; and 8 feet by 125 feet from mile 9.8 to 198 at 12 feet on the Clarendon gage, including a 5 feet minimum draft at low river stages. The local Interest is the Arkansas Waterways Commission.

**Status:** Fiscal Year 2008 funds of \$2,669,000 will be used for maintenance via clearing and snagging, dredging, and associated environmental costs related to mussel surveys, cultural resources and sediment studies. The FY 2009 President's Budget request contains funds sufficient for surveys only. If additional funds are available in FY 2009 they could be used for additional operations costs, clearing and snagging, dredging and associated environmental requirements.

### Memphis District POC:

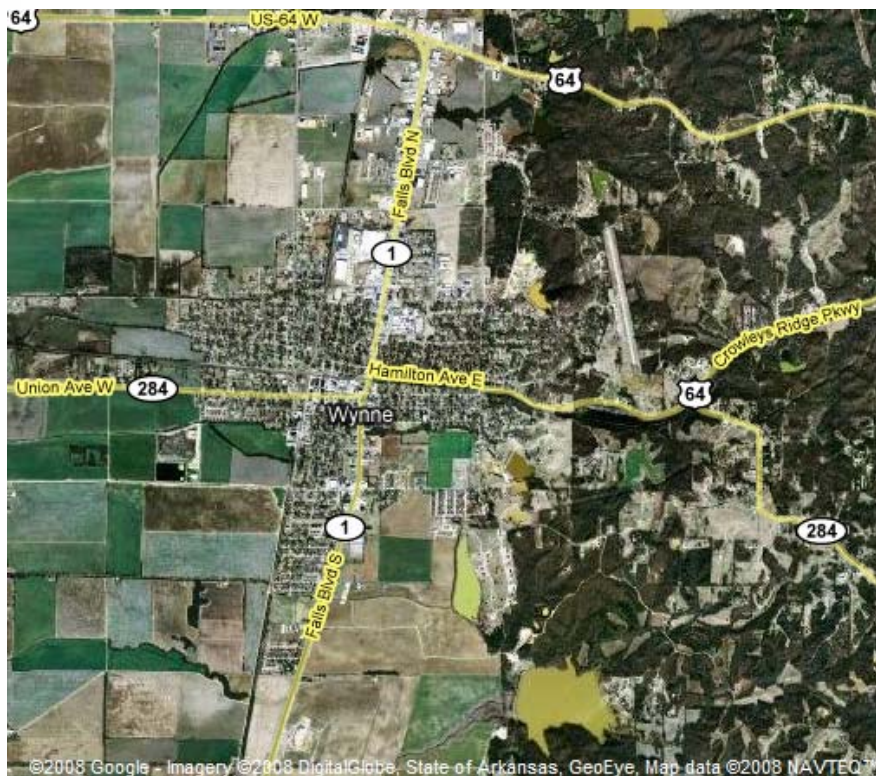
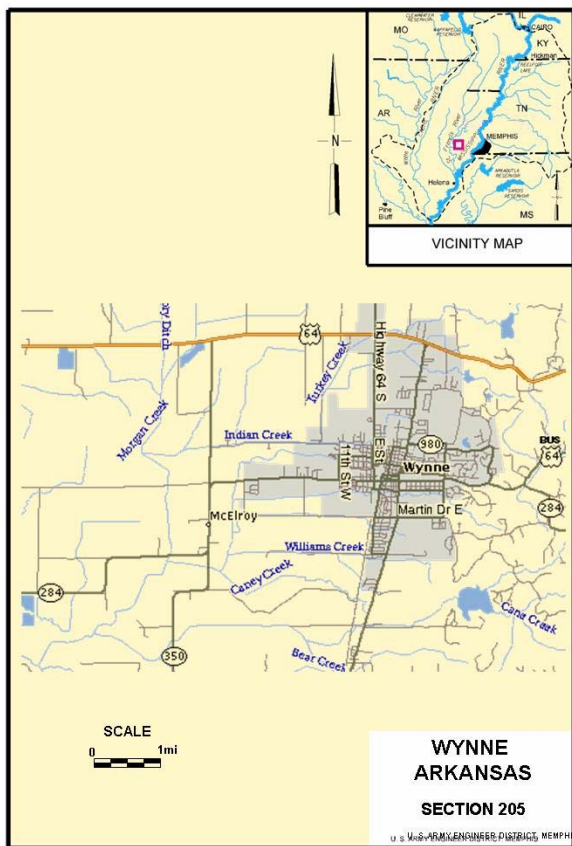
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**Phone:** 901-544-0728

**E-mail address:** Rodger.M.Funderburk@usace.army.mil

**As of:** February 2008





**Study Name:** Wynne, Arkansas

**Authority:** Flood Control Act of 1948, Sec. 205, as amended.

**Location and Description:** The city of Wynne is located about 40 miles west of Memphis, Tennessee in Cross County, Arkansas, along the western edge of Crowley's Ridge. Most of the western part of town is below the base of Crowley's Ridge and has flat or gently sloping terrain. The project area consists of the western portion of the city of Wynne and extends outside the Wynne city limits to the west along Town Creek two and one-half miles to Highway 350. Town Creek is a major drainage outlet for the city of Wynne and contains approximately eight square miles of drainage area above Highway 350. Turkey Creek, a major lateral, drains about three square miles of the watershed north and west of Wynne and enters Town Creek about one-fourth mile west of the city limits. Town Creek empties into Caney Creek about three-fourth mile west of Highway 350. Runoff from the upper portion of Town Creek causes flooding in the lower urban areas. The existing drainage system is inadequate to handle peak flow events in the lower portion of the watershed. The sponsor is the city of Wynne, AR.

**Status:** Carry-over funds in the amount of \$72,100 are available to complete feasibility studies. The City's portion of the cost for the feasibility study is \$69,000 and a Feasibility Cost Sharing Agreement is tentatively scheduled to be executed in FY 2008. FY 2008 funds of \$50,000 will be used to begin negotiation of the Project Cooperation Agreement (PCA) with execution likely to occur in FY 2009, pending the outcome of the Feasibility study. If funds are available in FY 2009 they could be used to fully fund construction of the project.

**Project cost:** The estimated cost of the project feasibility studies is \$238,000 of which \$169,000 is Federal cost and \$69,000 is the responsibility of the non-Federal sponsor, design and implementation, is \$1,200,000 of which \$780,000 is Federal cost and \$420,000 is the responsibility of the non-Federal sponsor.

**Memphis District POC:**

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**As of:** February 2008