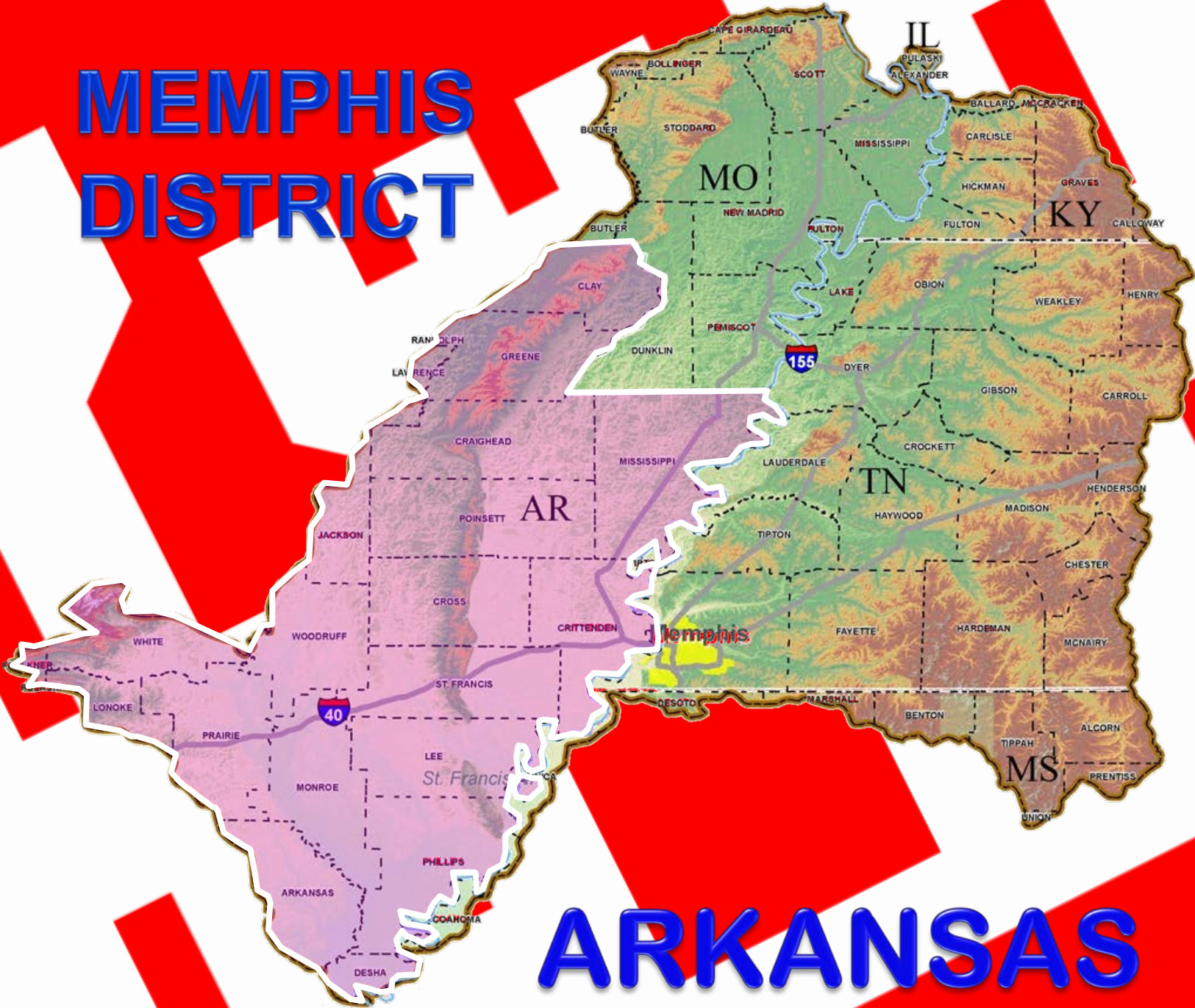




**US Army Corps of Engineers**  
**BUILDING STRONG®**

# MEMPHIS DISTRICT



# ARKANSAS PROJECTS



US Army Corps  
of Engineers®  
Memphis District

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**BUILDING STRONG®**

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US Army Corps  
of Engineers®  
Memphis District

# MEMPHIS DISTRICT OVERVIEW

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The Memphis District was established in 1882, and is one of six districts in U.S. Army Corps of Engineers' Mississippi Valley Division. Encompassing almost 25,000 square miles, the Memphis District is responsible for federal civil works projects in portions of six states -- Arkansas, Kentucky, Illinois, Mississippi, Missouri and Tennessee.

**Memphis District**



**District Employees**

Commanded by Col. Jeffery A. Anderson, the district employs about 500 federal civil service workers. These professionals and craftsmen provide a broad range of technical capabilities to address the Mid-South region's water resource needs. The Memphis District team includes civil, electrical, structural and mechanical engineers, as well as biologists, economists, clerical workers and many skilled laborers.



**Ensley Engineer Yard**

In addition to our downtown Memphis headquarters located in the Clifford Davis/Odell Horton Federal Building, we also have river engineering and marine mooring facilities at Ensley Engineer Yard in south Memphis at McKellar Lake. Field offices are located in Wynne, Arkansas, and Caruthersville and East Prairie, Missouri.

The district has three major mission areas – flood risk management, navigation and environmental stewardship – with our total civil works program averaging more than \$100 million a year.



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Memphis District

# MEMPHIS DISTRICT OVERVIEW

(Continued)

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**Dredging for Navigation**

On the Mississippi River, the Memphis District maintains a minimum 9-foot-deep, 300-foot-wide navigation channel. The Mississippi River is the heart of a vast inland navigable waterway system that extends for 12,350 miles. Channel improvements and maintenance dredging are primary tools for keeping the Mississippi open. More than 250 million tons of river-borne commodities pass through the district's reach of the river each year.



**Emergency Management**

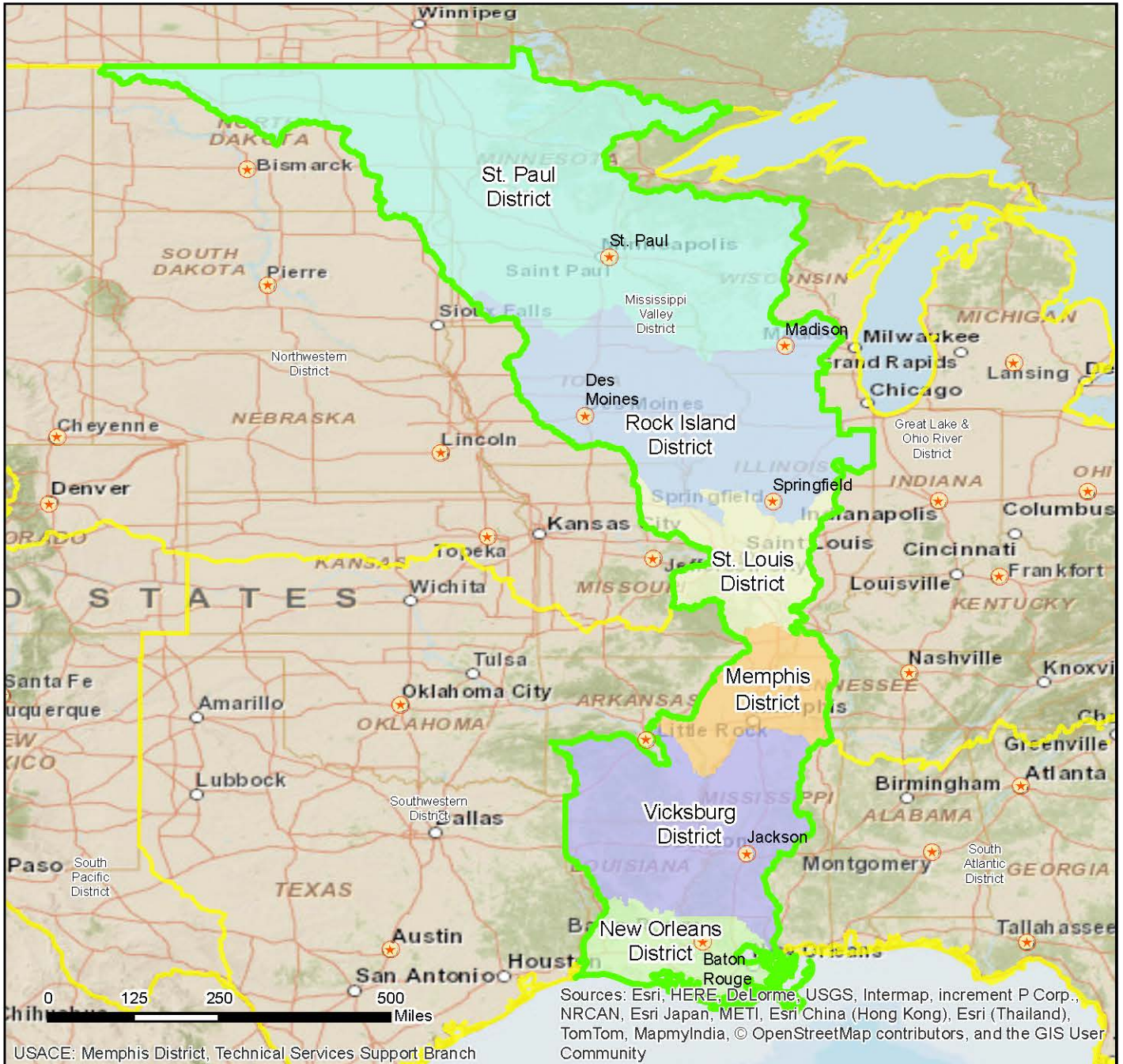
In addition to our main channel navigation and flood risk reduction work, we also provide Emergency Operations planning and response services through our Readiness Branch for natural disasters like floods, hurricanes, earthquakes, tornadoes, and man-made disasters.



**Students in the STEM Program meet with Memphis District biologists**

Overall, the Memphis District is a multi-talented public engineering agency that can solve a variety of civil works problems. We assist other government agencies with their engineering challenges through our "Support for Others Program," and we contribute volunteer community services to the people of the Mid-South. We are also active participants in the Science, Technology, Engineering and Math (STEM) program. The District is a valuable resource, and we will help the people of the six states we serve meet the civil works challenges they face.

Public safety is the Corps' number one priority. Our pledge is to meet the public engineering needs of your constituents with dedication and professionalism.

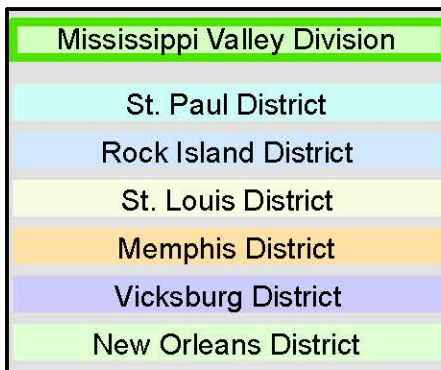


USACE: Memphis District, Technical Services Support Branch

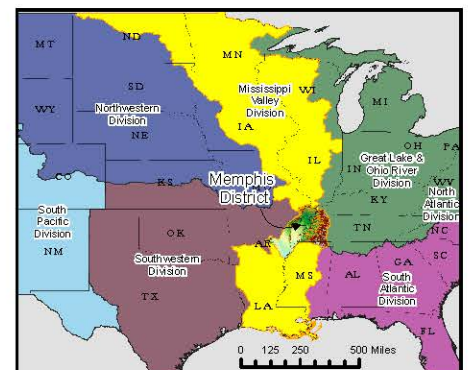
### Vicinity Map



### Legend



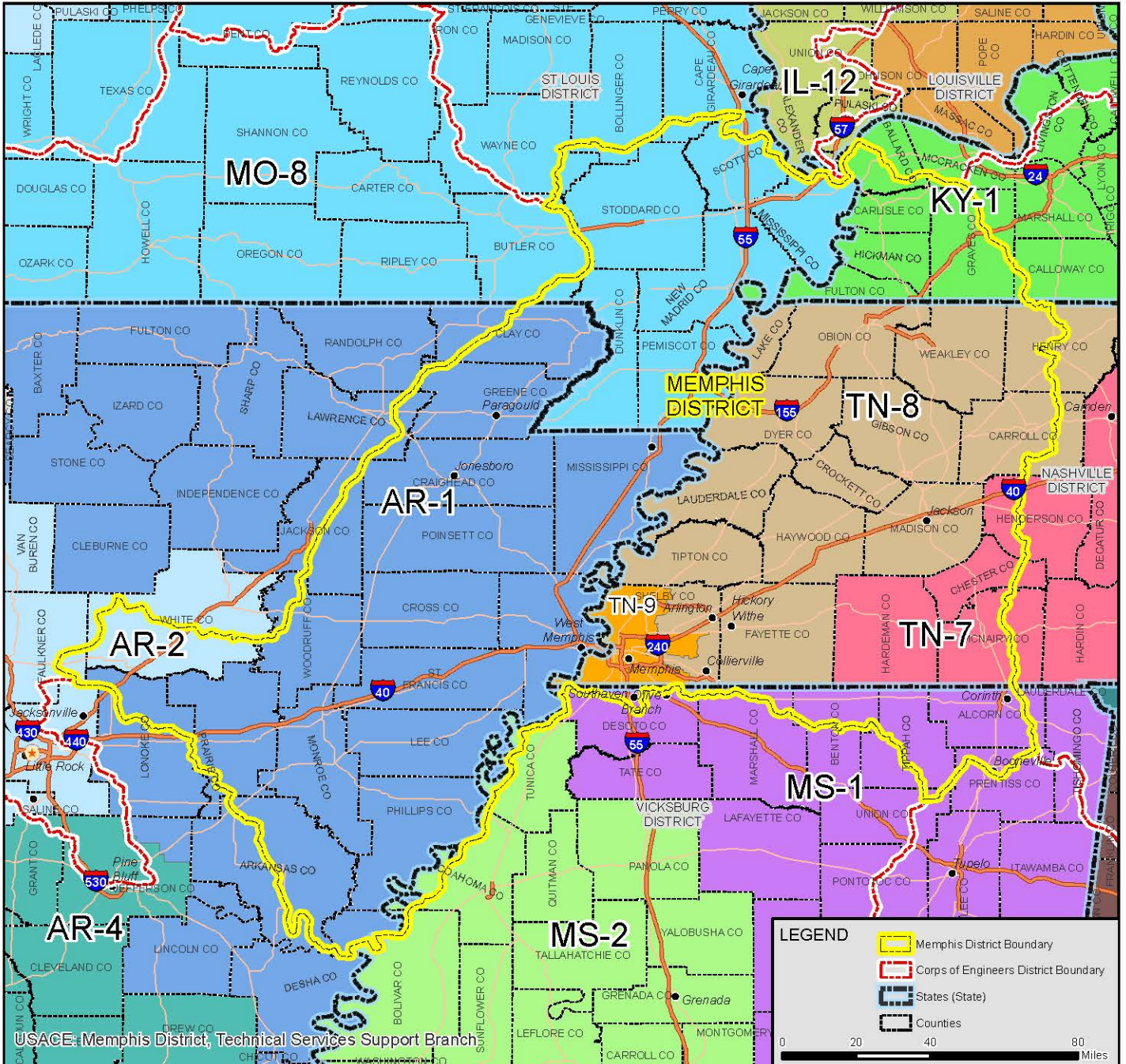
### Location in the Division



# CONGRESSIONAL DISTRICTS WITHIN MEMPHIS DISTRICT AREA OF RESPONSIBILITY



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USACE: Memphis District, Technical Services Support Branch

**ARKANSAS**

GOV. Mike Beebe (D)  
SEN. Mark Pryor (D)  
SEN. John Boozman (R)  
REP. Rick Crawford (R AR - 1)  
REP. Tim Griffin (R AR - 2)

**ILLINOIS**

GOV. Pat Quinn (D)  
SEN. Richard J. Durbin (D)  
SEN. Mark S. Kirk (R)  
REP. William Enyart (D IL - 12)

**KENTUCKY**

GOV. Steven L. Beshear (D)  
SEN. Mitch McConnell (R)  
SEN. Randal Howard "Rand" Paul (R)  
REP. Edward Whitfield (R KY - 1)

**MISSISSIPPI**

GOV. Phil Bryant (R)  
SEN. Thad Cochran (R)  
SEN. Roger Wicker (R)  
REP. Alan Nunnelee (R MS - 1)  
REP. Bennie Thompson (D MS - 2)

**MISSOURI**

GOV. Jay Nixon (D)  
SEN. Claire McCaskill (D)  
SEN. Roy Blunt (R)  
REP. Jason Smith (R MO - 8)

**TENNESSEE**

GOV. Bill Haslam (R)  
SEN. Lamar Alexander (R)  
SEN. Bob Corker (R)  
REP. Marsha Blackburn (R TN - 7)  
REP. Stephen Fincher (R TN - 8)  
REP. Steve Cohen (D TN - 9)



US Army Corps  
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Memphis District

# Bayou Meto Basin, AR

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## Point of Contact

**Tracy James**, Project Manager,  
Ph. (901) 544-0673  
[tracy.m.james@usace.army.mil](mailto:tracy.m.james@usace.army.mil)

**Authority: Water Resources Development Act**  
(WRDA) 1996, Sec. 363

**Appropriation:** Energy and Water Development,  
Mississippi River and Tributaries, Construction

**Local Interest/Project Sponsor:** 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. The Bayou Meto Water Management District (BMWMD) is a legal entity with taxing authority in partnership with the State of Arkansas.

**Location:** The project is located in east central Arkansas in Lonoke, Pulaski, Prairie, Jefferson, and Arkansas Counties.

**Description:** 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 supports area wetlands. Features of the project include diversion of excess water from the Arkansas River via a delivery system made up of pump stations, new canals, existing streams, and pipelines to the water-depleted areas; channel improvements and a pumping station to provide an outlet to reduce flooding; waterfowl conservation and management measures; and other environmental restoration and enhancement features.

**Importance:** The project will provide a supplemental source of irrigation water combined with conservation, which will allow the Alluvial and the Sparta aquifers to stabilize. The project includes features to reduce flooding, improve drainage and enhance water management. Environmental restoration features will create 240 acres of moist soil habitat for waterfowl, and restore 10,000 acres of wetland buffer units. Alluvial aquifer withdrawals at the current rate continue to lower the water table and if not slowed or revised, will deplete the aquifer so that it will no longer be a viable source of irrigation water. Without a supplemental source of irrigation water only about 34 percent of the project area could be irrigated which would cause approximately \$48,292,000 losses in net farm revenues.

**Status:** Funds are being used to construct the Inlet Channel at Pump Station No. 1 which was awarded in August 2014 and the Electrical Sub-station at Little Bayou Meto Pump Station scheduled for award in December 2014 and to initiate design of Canal 1000. Pump Station No. 1, funded by American Recovery and Reinvestment Act (ARRA) funds, was completed in August 2014. The Little Bayou Meto Pump Station, funded by ARRA funds, is scheduled to be completed in August 2015.

**Issues and Other Information:** To deliver water to some users would require an additional \$28.1M Federal and \$25M non-Federal, after FY14. To date, a total of \$111.0M has been invested in the project (\$76.0M Federal; \$35.0M non-Federal) and the project is 17 percent complete.

## Project Financial Data:

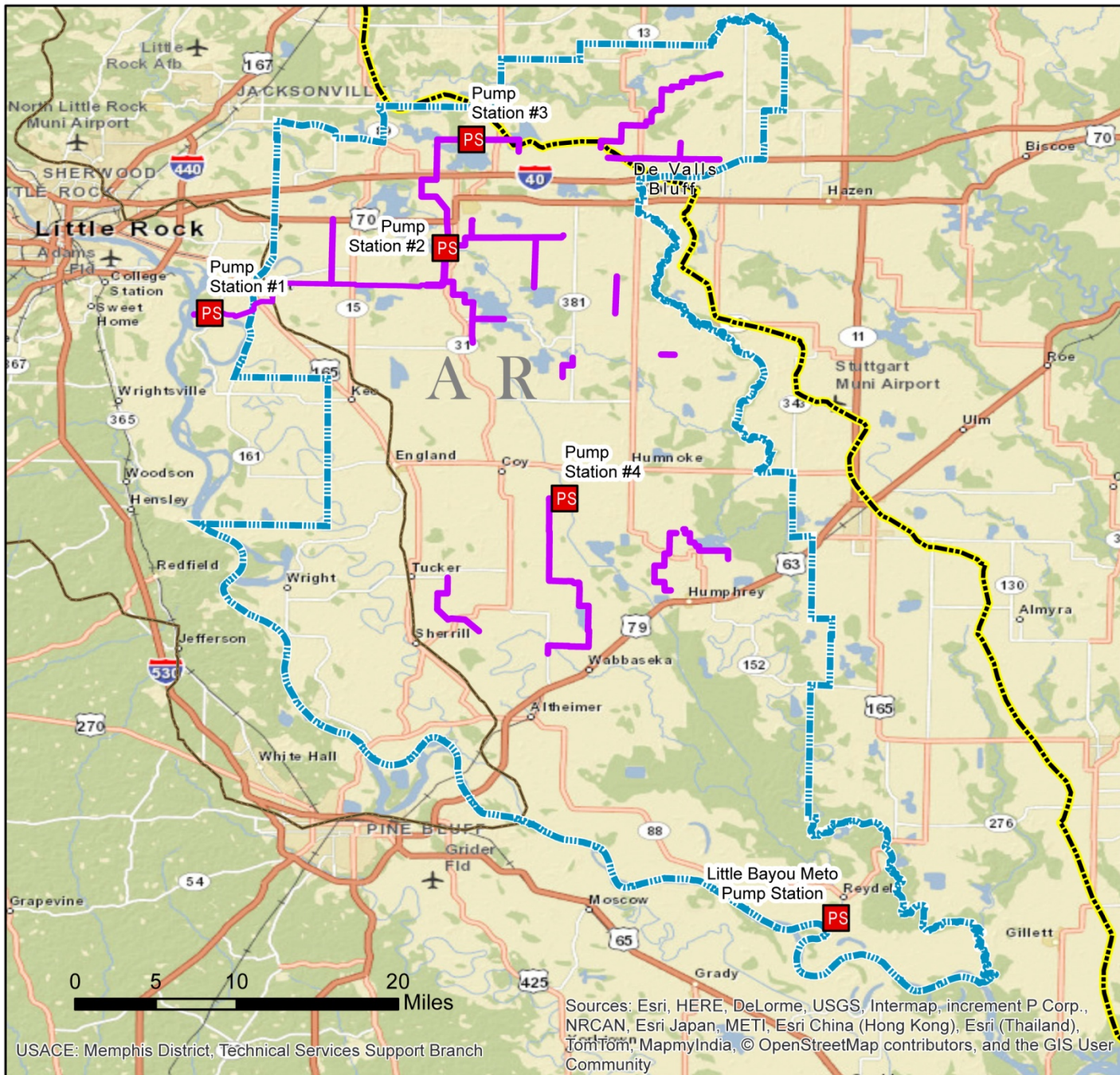
Estimated Federal Cost:	\$ 450,325,000
Estimated Non-Federal Cost:	249,263,000
Estimated Total Cost:	\$ 699,588,000

## Federal Funding Information:

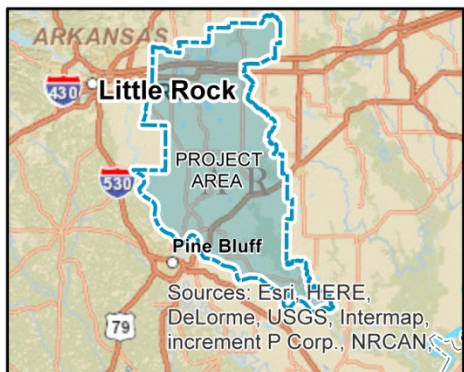
Allocation thru FY 2013	\$ 65,509,000
Allocation for FY 2014	10,600,000
President's Budget, FY 2015	\$ 9,500,000



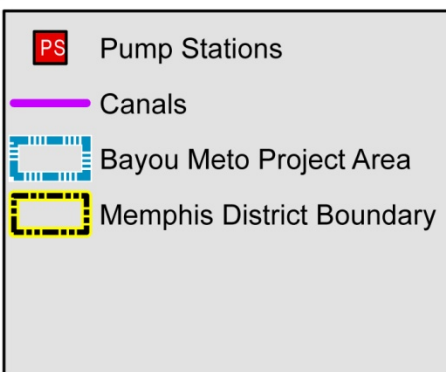
Construction of Pump Station No. 1 (Front/outlet side view)



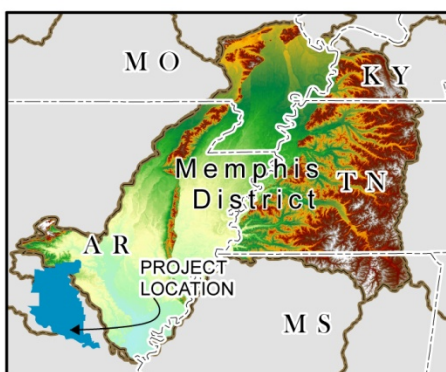
### Vicinity Map



### Legend



### Location in District







# Grand Prairie Region, AR

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## Point of Contact

**Elizabeth Burks**, Project Manager,

Ph. (901) 544-0761

[elizabeth.m.burks@usace.army.mil](mailto:elizabeth.m.burks@usace.army.mil)

**Authority:** Flood Control Act 1950, Sec. 204, authorized construction; Water Resources Development Act (WRDA) 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

**Appropriation:** Energy and Water Development, Mississippi River and Tributaries, Construction

**Local Interest/Project Sponsor:** The State of Arkansas and the White River Regional Irrigation Water Distribution District.

**Location:** The project is primarily located in Arkansas and Prairie Counties and a small portion in Lonoke and Monroe Counties, Arkansas.

**Description:** The project will provide for groundwater protection, agricultural water supply, and environmental restoration and protection. The project features include a major pumping station, conveyance channels, and conservation measures for the Grand Prairie area.

**Importance:** The project will provide a supplemental source of irrigation water combined with conservation, which allows the Alluvial and Sparta aquifers to stabilize. The environmental benefits consist of preservation of the alluvial aquifer, restoration of fisheries habitat, restoration of historic native prairies, and creation of waterfowl habitat. The project provides the opportunity of restoration of approximately 3,000 acres into native prairie grasses along project rights-of-way. Waterfowl habitat is a major component of the project. An average of 38,000 additional acres of rice field would be flooded annually providing a high quality food source for waterfowl and over 22,000,000 duck use days. In addition, the long term drying of the wetland along the White River within the southern portions of the Grand Prairie would be halted or slowed through protection of the aquifer. The impact of not completing this project is the continual depletion of the Alluvial and Sparta aquifers and the flood risk management and environmental benefits will not be realized. Alluvial aquifer withdrawals at the current rate continue to lower the water table and if not slowed or revised, will deplete the aquifer so that it will no longer be a viable source of irrigation water.

**Status:** Funds are being used to continue construction of the Discharge Pipes, Segment 2 which is scheduled to be completed in February 2015 and to award a construction contract for the DeValls Bluff Pumping Station Superstructure and Discharge Pipe 3. Funds included in the President's Budget will be used to fully fund construction of the Widened Canal Regulating Reservoir (\$9,300,000).

**Issues and Other Information:** To date, a total of \$172,000,000 has been invested in the project (\$127,000,000 Federal; \$45,000,000 non-Federal, including farmer's contributions for on-farm recovery systems) and the project is 26 percent complete.

## Project Financial Data:

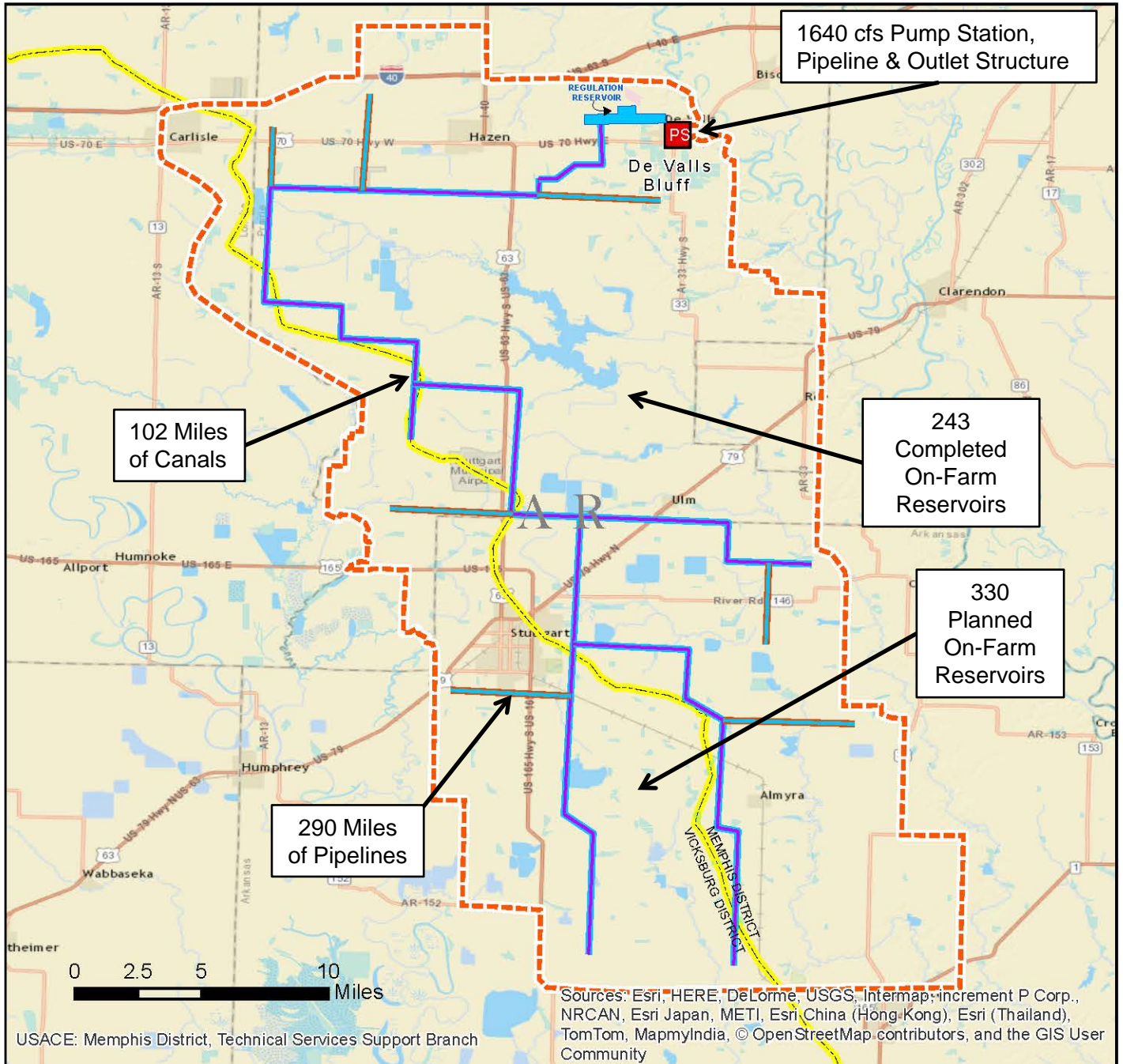
Estimated Federal Cost:	\$293,000,000
Estimated Non-Federal Cost:	157,000,000
Estimated Total Cost:	\$450,000,000

## Federal Funding Information:

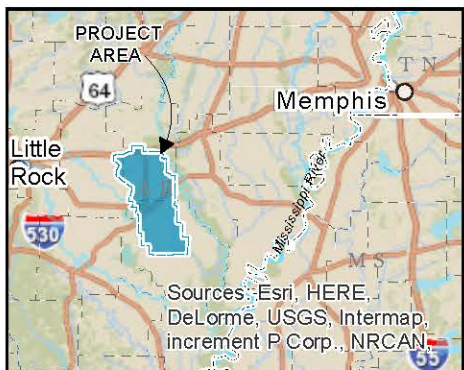
Allocation thru FY 2013	\$105,118,000
Allocation for FY 2014	22,000,000
President's Budget, FY 2015	\$ 9,300,000



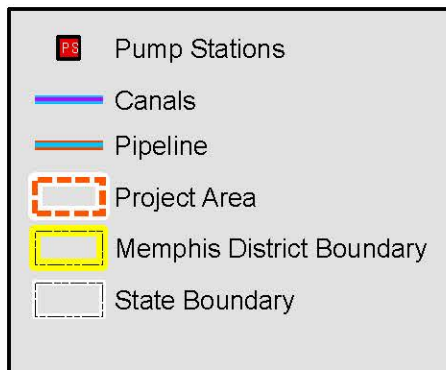
Installation of Grand Prairie Discharge Pipes, Segment 2



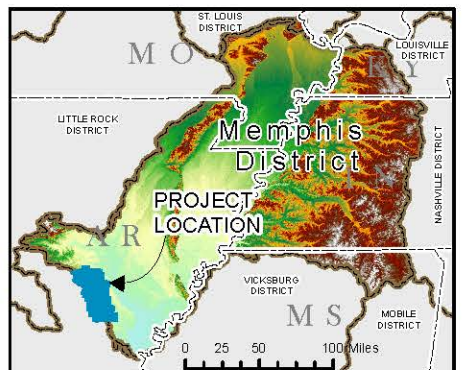
### Vicinity Map



### Legend



### Location in District





# Helena Harbor, AR

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## Point of Contact

**Vickie Watson**, Project Manager,  
Ph. (901) 544-3986  
[Vickie.L.Watson@usace.army.mil](mailto:Vickie.L.Watson@usace.army.mil)

## Project Financial Data:

Allocation for FY 2013:	\$ 64,700
Allocation for FY 2014:	176,000
President's Budget Request for FY 2015:	16,000

**Authority:** River and Harbor Act of 1960, Sec. 107, as amended.

**Appropriation:** Energy and Water Development, Operation & Maintenance

**Local Interest/Project Sponsor:** City of Helena-West Helena

**Location:** This harbor is located on the Mississippi River (Mile 663.0) at Helena in Phillips County, Arkansas.

**Description:** The project provides for maintenance of the navigation channel for year-round access to barge transportation for the existing facilities. The approved channel dimensions are 9 feet deep by 450 feet wide by 3,200 feet long.

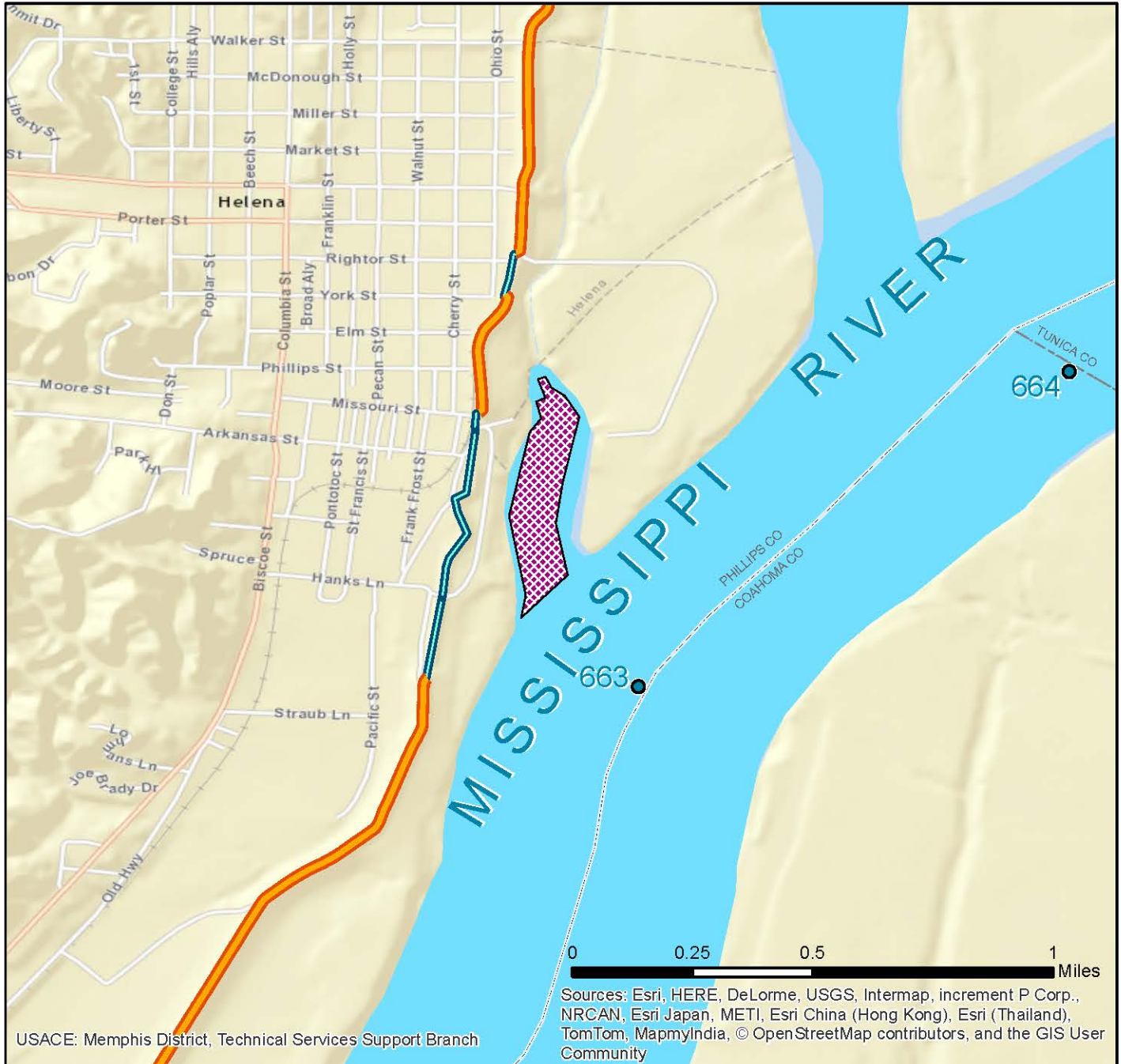
**Importance:** This is a slack-water harbor used primarily for the export of agricultural goods. Impacts of not dredging this harbor could vary, from requiring barges to be light-loaded, to complete harbor closure. In addition, restoration of the harbor limits will be more costly in the future, as the sedimentation will continue to accumulate.

**Status:** Funds appropriated in Fiscal Year 2014 are being used to perform surveys and limited dredging of the harbor. The harbor dredging contract was awarded in June 2014 and limited dredging activities were completed in September 2014.

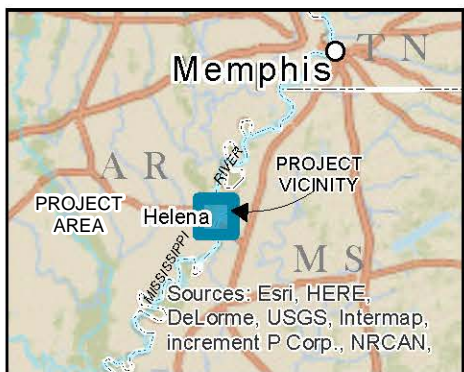
**Issues and Other Information:** The harbor was last dredged in October 2012 using Disaster Relief Act funding. Maintenance and funding requirements vary from year to year depending on current harbor conditions and the dredging schedule, respectively. Maintenance of low-use harbors is not an Administration budget priority.



Helena Harbor



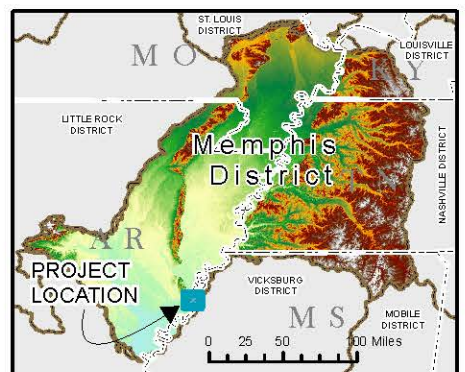
**Vicinity Map**



**Legend**



**Location in District**





# Helena Harbor, Phillips County, AR

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## Point of Contact

**Vickie Watson**, Project Manager,  
Ph. (901) 544-3986  
[Vickie.L.Watson@usace.army.mil](mailto:Vickie.L.Watson@usace.army.mil)

**Authority:** **Water Resources Development Act** (WRDA) 1986, as amended.

**Appropriation:** Energy and Water Development, Mississippi River and Tributaries, Maintenance

**Local Interest/Project Sponsor:** City of Helena-West Helena; Phillips County Port Authority

**Location:** The harbor is located in Phillips County, about five miles south of Helena, Arkansas, at Mile 652 on the lower Mississippi River.

**Description:** Federal maintenance is authorized. The approved channel dimensions for Stage 1 navigation are 9 feet deep by 300 feet wide by 2.25 miles long, with an additional 50 feet of width for berthing; a fleeting area, 100 feet by 1,000 feet; and a turning basin, 600 feet by 600 feet. Stage 2 would have similar harbor features for an additional 1.6 miles when constructed.

**Importance:** The harbor is used by farm communities and other industries in the region for moving goods to/from markets. Impacts of not dredging could vary from requiring barges to be light-loaded to complete harbor closure. In addition, restoration of the harbor limits will be more costly in the future, as the sedimentation will continue to accumulate.

**Status:** Funds appropriated in FY 2014 used to perform surveys and dredging at the mouth of the harbor. The harbor dredging contract was awarded in June 2014 and dredging activities for this harbor were completed September 2014.

**Issues and Other Information:** This harbor was last dredged in November 2012 using Disaster Relief Act funding. Maintenance and funding requirements vary from year to year depending on current harbor conditions and current prices for dredging services, respectively. Maintenance of low-use harbors is not an Administration budget priority

## Project Financial Data:

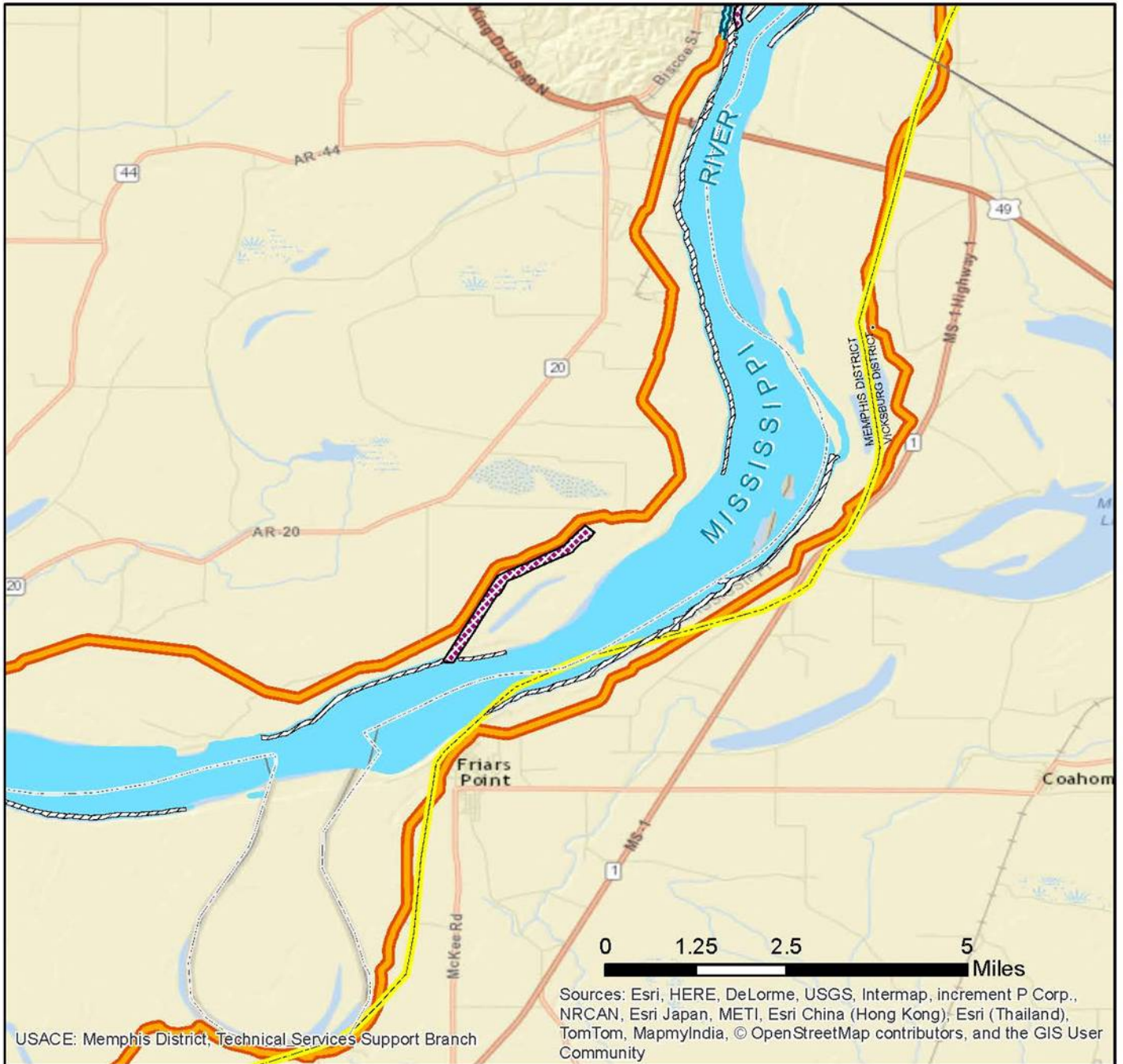
Allocation for FY 2013	\$ 158,000
Allocation for FY 2014	533,000
President's Budget, FY 2015	33,000

## Disaster Relief Act Funding

Allocation thru FY 2013	\$ 500,000
Allocation for FY 2014	0



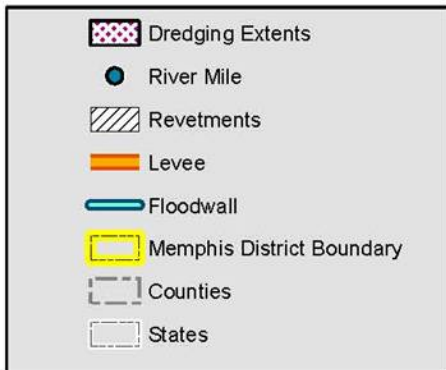
Helena Harbor, Phillips County



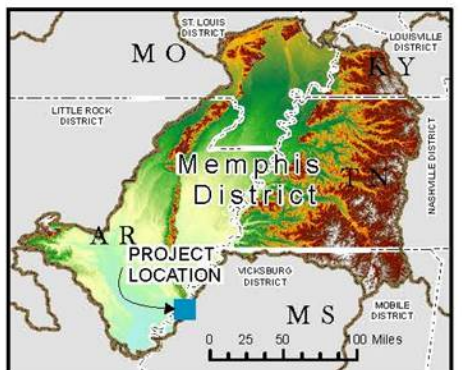
### Vicinity Map



### Legend



### Location in District





# Lower Cache River Restoration, AR

**BUILDING STRONG®**

## Point of Contact

**Jason Dickard**, Project Manager,  
Ph. (901) 544-0730  
[jason.e.dickard@usace.army.mil](mailto:jason.e.dickard@usace.army.mil)

**Authority:** **Water Resources Development Act**  
(WRDA) 1986, Sec. 1135, as amended

**Appropriation:** Energy and Water Development,  
Construction, Continuing Authorities Program, Section  
1135

**Local Interest/Project Sponsor:** The City of  
Clarendon, Arkansas is the sponsor for this project.  
(Sponsor funding is being provided by The Nature  
Conservancy.)

**Location:** The project is located in Monroe County,  
Arkansas north of Clarendon, Arkansas and the  
confluence of the White and Cache Rivers.

**Description:** The project consists of restoring  
hydrology to two meanders on the Cache River that  
were abandoned by a flood control project during the  
1970's. The original flood control project authorized  
the Corps of Engineers to enlarge and realign 231  
miles of the Cache River and adjacent Bayou DeView  
but the project was stopped due to local opposition  
after seven miles of the lower Cache River had been  
channelized. The current approved restoration project  
consists of removing earthen plugs and constructing  
two weir closure structures and a cross ditch dike to  
return a portion of the lower seven miles of the Cache  
River to original riverine conditions.

**Importance:** The project will increase fish and wildlife  
habitat within the area designated by the Ramsar  
Convention as "Wetlands of International Importance".  
The Cache River Sub-basin supports and intersects  
with President Obama's America's Great Outdoors  
(AGO) initiative as one of three pilot projects.

**Status:** The project was substantially completed on 20  
June 2014. Tree planting was initiated in November  
2014. This work is to be completed by the non-Federal  
Sponsor.

**Issues and Other Information:** There will be a three  
year monitoring period associated with the tree  
planting. The cost-sharing for a Section 1135 project is  
75 percent Federal, and 25 percent non-Federal, with a  
maximum Federal contribution of \$5,000,000.

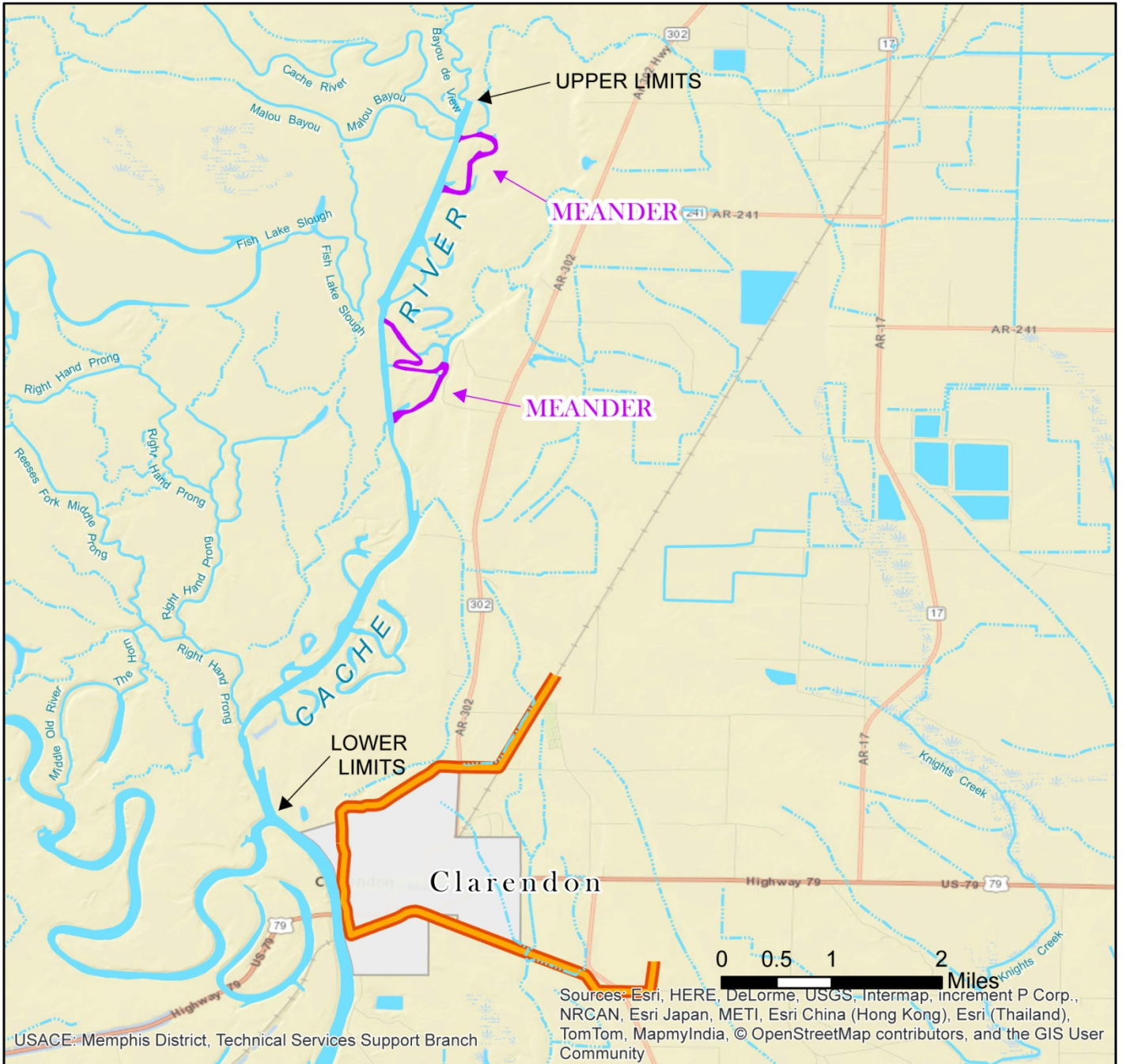
## Project Financial Data

Estimated Federal Cost:	\$ 4,995,500
Estimated Non-Federal Cost:	1,576,500
Estimated Total Cost:	\$ 6,572,000

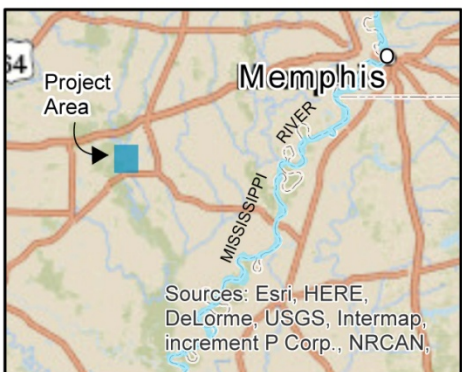
Allocation thru FY 2013	\$ 4,995,500
Allocation for FY 2014	0
President's Budget, FY 2015	0



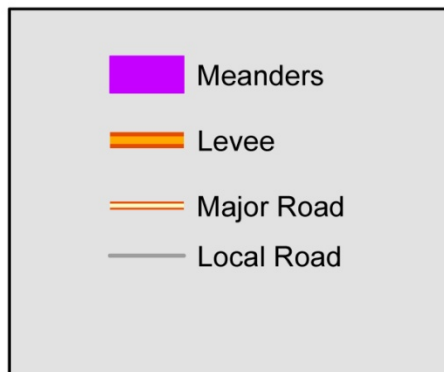
Restored Southern Meander



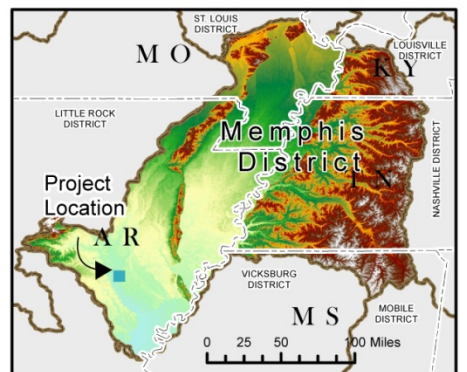
**Vicinity Map**



**Legend**



**Location in District**







# Osceola Harbor, AR

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## Point of Contact

**Vickie Watson**, Project Manager,  
Ph. (901) 544-3986  
[Vickie.L.Watson@usace.army.mil](mailto:Vickie.L.Watson@usace.army.mil)

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

**Appropriation:** Energy and Water Development, Operation & Maintenance

**Local Interest/Project Sponsor:** City of Osceola, Arkansas

**Location:** This harbor is located on the Mississippi River (Mile 785.0) at Osceola, in Mississippi County, Arkansas.

**Description:** 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 feet radius turning basin at the upstream end.

**Importance:** This is a slack-water harbor used primarily for the export of agricultural goods. Impacts of not dredging this harbor could vary, from requiring barges to be light-loaded, to complete harbor closure. In addition, restoration of the harbor limits will be more costly in the future, as the sedimentation will continue to accumulate.

**Status:** Funds appropriated in Fiscal Year 2014 are being used to collect survey data and dredge the mouth of the harbor. The harbor dredging contract was awarded in June 2014 and dredging activities at this harbor were performed in August 2014.

**Issues and Other Information:** Maintenance and funding requirements vary from year to year depending on current harbor conditions and current prices for dredging services, respectively. Maintenance of low-use harbors is not an Administration budget priority.

## Project Financial Data:

Allocation for FY 2013:	\$ 0
Allocation for FY 2014:	840,000
President's Budget Request, FY 2015:	15,000

## Disaster Relief Act Funding:

Allocation thru FY 2013:	\$ 1,000,000
Allocation for FY 2014:	0



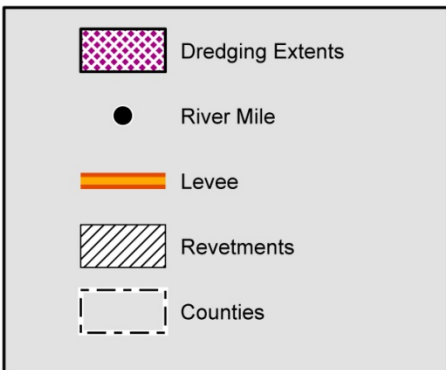
Osceola Harbor



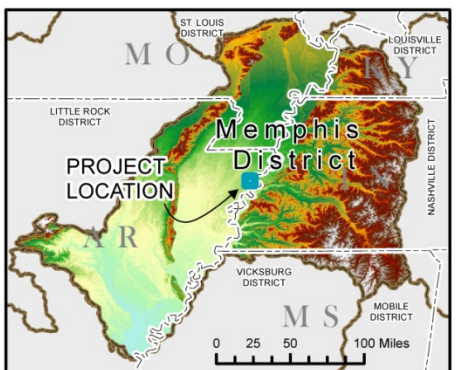
### Vicinity Map



### Legend



### Location in District





# St. Francis Basin, AR & MO Construction

**BUILDING STRONG®**

**Point of Contact**

**Dewey Powell**, Project Manager,  
Ph. (901) 544- 3940  
[dewey.l.powell@usace.army.mil](mailto:dewey.l.powell@usace.army.mil)

**Authority:** Flood Control Acts of 1928, 1936, 1938, 1941, 1944, 1946, 1950, 1958, 1965, and 1968; Water Resources Development Act (WRDA) 1974, Consolidated Appropriations Act of 2001, and WRDA 2007, Sec's. 2036, 3011, and 3182.

**Appropriation:** Energy and Water Development, Mississippi River and Tributaries, Construction

**Local Interest/Project Sponsor:** 24 levee and drainage districts provide project sponsorship.

**Location:** The project is located in southeastern Missouri and northeastern Arkansas.

**Description:** The authorized project provides for 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 levees, channel improvements, new channels, auxiliary channels, and floodways, including the main ditches in the Little River Basin. Protection against backwater flooding of 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.

**Importance:** This flood control project is a component of the Mississippi River and Tributaries flood control system. The project is designed to provide protection from headwater floods to an area of approximately 1,436,855 acres of agricultural lands including numerous small towns, several major railroads, highways, and utilities in Missouri and Arkansas. In addition, relief from flooding by backwaters of the Mississippi River is afforded to approximately 532,000 acres in the Lower St. Francis Basin. Flooding has occurred every year with few exceptions. It is estimated that the recurrence of the 1937 flood, under present conditions of development in the floodplain, would cause damages of over \$111,426,000 (2012 price levels) if the flood occurred during the crop growing season, without this project. Completion of this project is needed to prevent recurring flood losses. Project benefits will result from prevented flood damages, increased utilization of land, and fish and wildlife enhancement.

**Status:** In Arkansas, activities include continuing design work for channel enlargement work on 15-Mile Bayou; prepared draft Memorandum of Agreement with federally-recognized tribes for Ditch 15 Diversion and 10-Mile Bayou channel enlargement; continuing the process to transfer 12,647 acres of mitigation land to the state of Arkansas as authorized in WRDA 2007 and scheduled for completion December 2014. In Missouri, activities include work to acquire mitigation lands.

**Issues and Other Information:** A Memorandum of Agreement was signed with the State of Arkansas for the transfer of mitigation land in Arkansas on 30 March 2013. The Levee System Evaluation Report for the National Flood Insurance Program (NFIP) for System 11, which provides protection to counties in Craighead and Poinsett, Arkansas and Dunklin, Missouri, was completed in 2010 and a "Negative" finding was determined. Potential solutions are being investigated. The construction on the lower Fifteen Mile Bayou area has shortened the length of time that high water impacts the area.

**Project Financial Data<sup>1</sup>:**

Estimated Federal Cost	\$ 519,000,000
Estimated Non-Federal Cost	1,978,000
Estimated Total Cost:	\$ 520,978,000

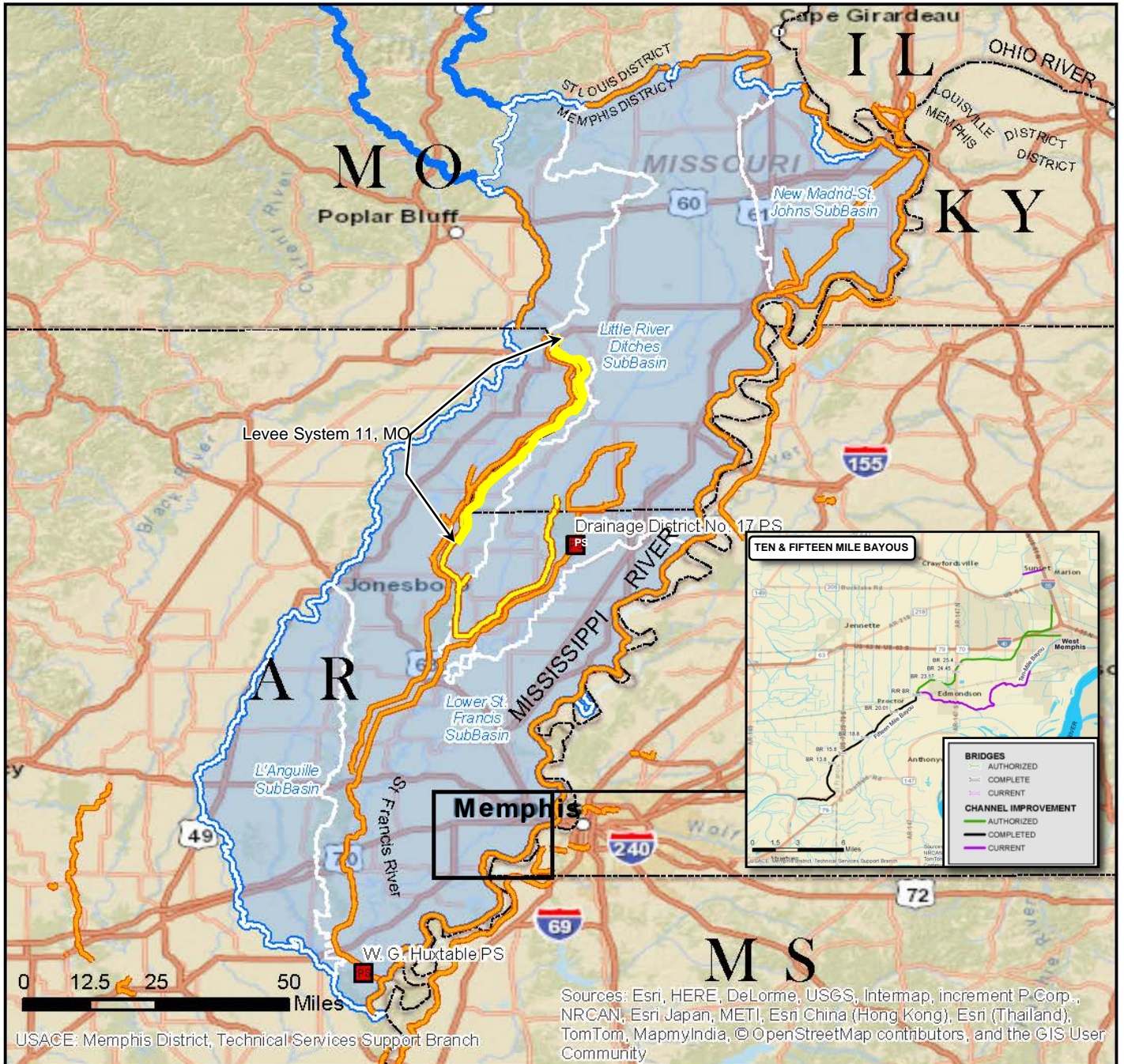
**Federal Funding Information:**

Allocations thru FY 2013	\$ 438,504,400
Allocation for FY 2014	25,000
President's Budget, FY 2015	0

<sup>1</sup>Estimated cost at 1 Oct 10 price levels.



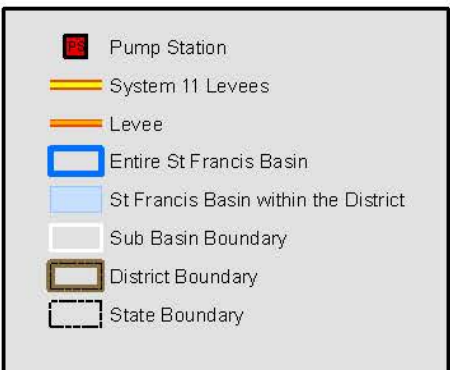
Completed bridge over 15 Mile Bayou on Hwy 147.



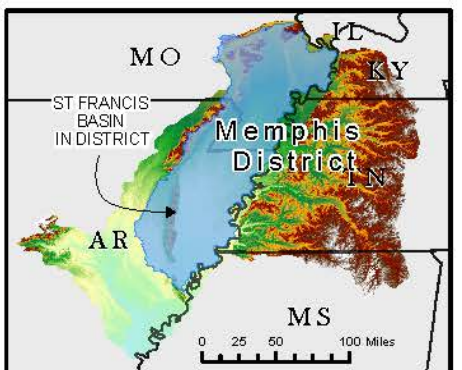
### Vicinity Map



### Legend



### Location in District





# St. Francis River & Tributaries, AR & MO Maintenance

**BUILDING STRONG®**

**Point of Contact**

**Marco Goodman**, Project Manager  
Ph. (901) 544-0727  
[marco.d.goodman@usace.army.mil](mailto:marco.d.goodman@usace.army.mil)

**Authority:** 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.

**Appropriation:** Energy and Water Development, Mississippi River and Tributaries, Maintenance

**Local Interest/Project Sponsor:** Local interests are responsible for minor maintenance and rights-of-entry.

**Location:** This project 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.

**Description:** The project provides for a certain level of Federal maintenance of authorized facilities – levees and channels – to provide the authorized level of flood protection. Structures include levees, channels and two pumping stations.

**Importance:** The operation and maintenance of this project assures the project provides flood risk reduction benefits to an area of approximately 14,000,000 acres of agricultural lands including numerous small towns, several major railroads, highways, and utilities, located in Missouri and Arkansas. It is estimated that the recurrence of the 1937 flood, under present conditions of development in the floodplain, would cause damages of over \$111,426,000 (2012 price levels) if the flood occurred during the crop growing season, without this project.

**Status:** Funds appropriated in Fiscal Year 2014 are being used to continue operation and maintenance of two pumping plants and to perform maintenance activities such as repairing levees and replacing culverts. Disaster Relief Act funds are being used to complete repairs and restore the project from damages incurred during the 2011 Flood. Repairs include channel and levee restoration and culvert and structure repairs/replacement.

**Issues and Other Information:** Repairs being performed with Disaster Relief Act funding will restore levees, channels, and other flood protection measures to their original design and re-establish the authorized level of protection. These repairs will significantly reduce the flood risk from post 2011 Flood conditions allowing the system to be ready for future flood events.

**Project Financial Data:**

Allocation for FY 2013	\$ 6,058,000
Allocation for FY 2014	5,900,000
President’s Budget, FY 2015	5,900,000

**Disaster Relief Act Funding:**

Allocation thru FY 2013	\$29,400,000
Allocation for FY 2014	16,054,000



W.G. Huxtable Pumping Plant

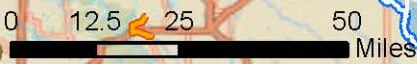
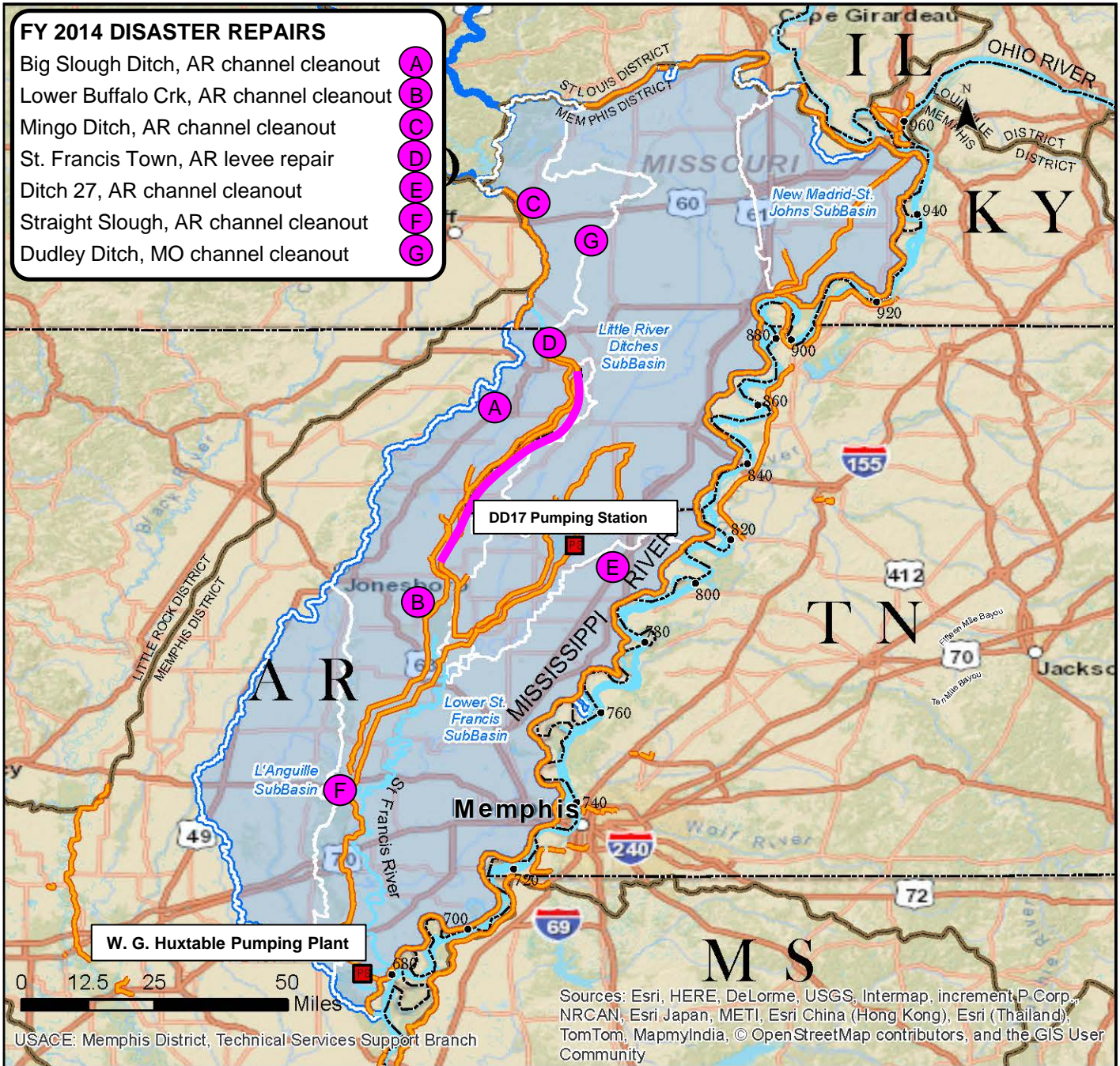
# ST. FRANCIS BASIN, AR & MO

MAINTENANCE  
BUILDING STRONG®



## FY 2014 DISASTER REPAIRS

- Big Slough Ditch, AR channel cleanout (A)
- Lower Buffalo Crk, AR channel cleanout (B)
- Mingo Ditch, AR channel cleanout (C)
- St. Francis Town, AR levee repair (D)
- Ditch 27, AR channel cleanout (E)
- Straight Slough, AR channel cleanout (F)
- Dudley Ditch, MO channel cleanout (G)



USACE: Memphis District, Technical Services Support Branch

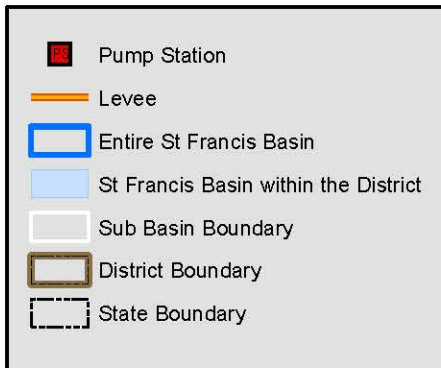
Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

### Vicinity Map

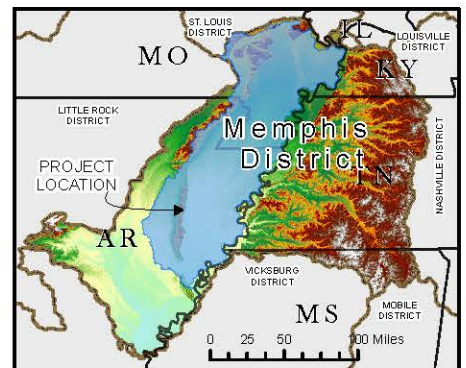


Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN

### Legend



### Location in District





# White River Backwater, AR

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**Point of Contact**

**Vickie Watson**, Project Manager,  
Ph. (901) 544-3986  
[Vickie.L.Watson@usace.army.mil](mailto:Vickie.L.Watson@usace.army.mil)

**Project Financial Data:**

Allocation for FY 2013:	\$ 970,000
Allocation for FY 2014:	1,142,000
President's Budget Request for FY 2015:	1,340,000

**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.

**Appropriation:** Energy and Water Development, Mississippi River & Tributaries, Maintenance

**Local Interest/Project Sponsor:** N/A

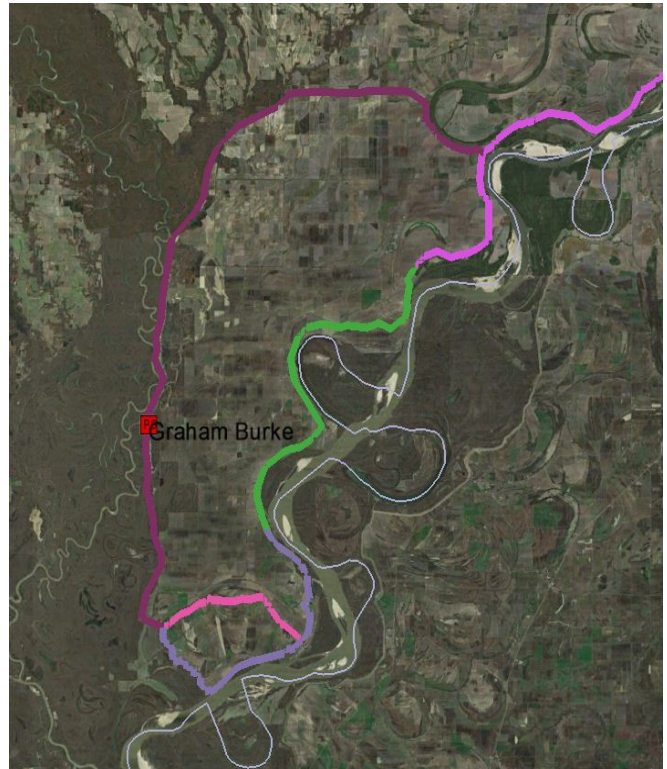
**Location:** The White River Backwater Project is located approximately 20 miles south of Helena, near Elaine, Arkansas, in Phillips and Desha Counties.

**Description:** The project 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.

**Importance:** 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:** Funds appropriated in Fiscal Year 2014 are being used to perform operation and maintenance activities at the Graham Burke Pumping Station, repair levee slides, and conduct other maintenance activities. The President's Budget includes \$1,340,000 to continue operation and maintenance activities.

**Issues and Other Information:** None.



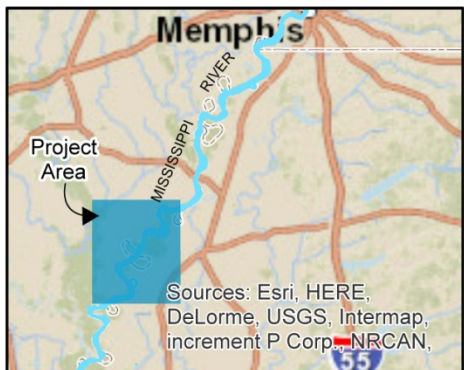
Aerial photo Backwater Area



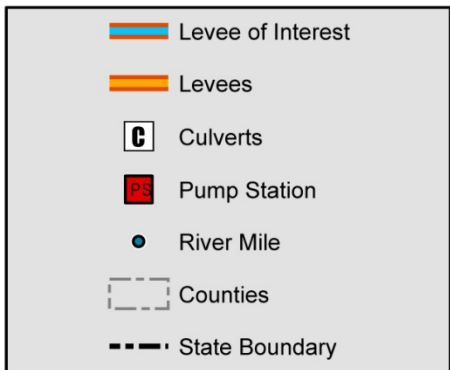
Graham Burke Pumping Station



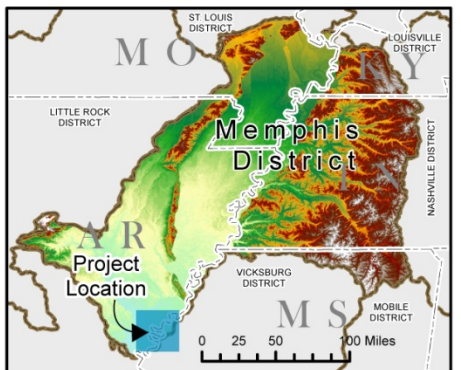
### Vicinity Map



### Legend



### Location in District







# White River Basin Comprehensive, AR & MO

**BUILDING STRONG®**

**Point of Contact**

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Ph. (901) 544-3115

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**Authority:** Water Resources Development Act (WRDA) 86, Section 729; WRDA 2000, Section 202 established the cost sharing of Section 729 studies at 50 percent Federal, 50 percent 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, Section 2010 modified the cost sharing to 75 percent Federal, 25 percent non-Federal, 100 percent of which can be in-kind services.

**Appropriation:** Energy and Water Development, Investigations

**Local Interest/Project Sponsor:** Cost-sharing sponsors include the Arkansas Natural Resources Commission, Arkansas Game and Fish Commission, Arkansas Natural Heritage Commission, Arkansas Waterways Commission, Missouri Department of Conservation, Missouri Department of Natural Resources, and The Nature Conservancy.

**Location:** The White River Basin comprises approximately 28,000 square miles in northeastern Arkansas and southern Missouri.

**Description:** 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. A component of the White River Basin Comprehensive (WRBC), the Cache River Watershed Management Plan under the WRBC effort studies a 2,018 square mile sub-basin within the White River basin. This study offers several opportunities to support and intersect, in a collaborative multi-agency environment, with President Obama’s America’s Great Outdoors (AGO) Initiative. The Cache River sub-basin, is identified in support of the AGO as a near term plan. The WRBC, building on AGO efforts, investigates water resource problems such as ecosystem restoration, water quality, flood risk management, recreation, navigation, hydropower and water supply.

**Importance:** The area is a significant migratory waterfowl wintering area. The southern portion of the watershed is a Wetland of International Importance per the 1986 Ramsar Convention. It includes the Cache National Wildlife Refuge, several state Wildlife Management Areas, State Parks and Natural Areas.

The basin provides habitat for several threatened or endangered species including fat pocketbook, pink mucket, scaleshell, curtis pearly, and speckled pocketbook mussels; pallid sturgeon; gray and Indiana bats; alligator gar, red-cockaded woodpeckers; and piping plover.

**Status:** Appropriated funds are being used to prepare the Cache River Basin Restoration/Watershed Management Plan and continue on-going research of the White River Basin. The President’s Budget for Fiscal Year 2015 includes funds to complete the Cache River Basin Watershed Management Plan. The draft plan is scheduled to be completed in 2015.

**Issues and Other Information:** The current Federal cost estimate is \$6,610,000; however, it does not reflect a possible change in the scope of the study. The change in scope would delete all remaining study activities included in the approved study plan and the existing Feasibility Cost Share Agreement that are not directly associated with the Cache River sub-basin. The Cache River is the focus of an AGO initiative. The study items that are currently in the Federal cost estimate are needed to develop a comprehensive approach to the watershed.

**Study Financial Data:**

Estimated Federal Cost:	\$ 6,610,000
Estimated Non-Federal Cost:	\$ 2,150,000
Estimated Total Cost <sup>1</sup> :	\$ 8,760,000

**Federal Funding Information:**

Allocations thru FY2013	\$ 3,385,200
Allocation for FY 2014	660,000
President’s Budget, FY2015	150,000

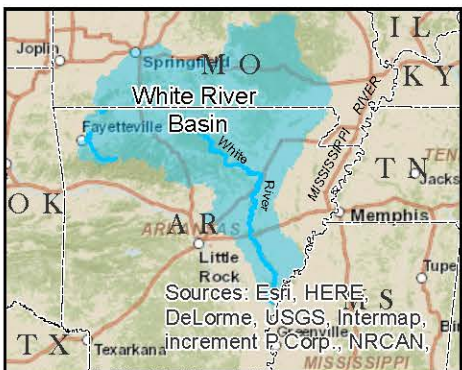
<sup>1</sup> Includes \$3,073,000 unprogrammed (\$2,425,000 Fed; \$808,000 N/F)



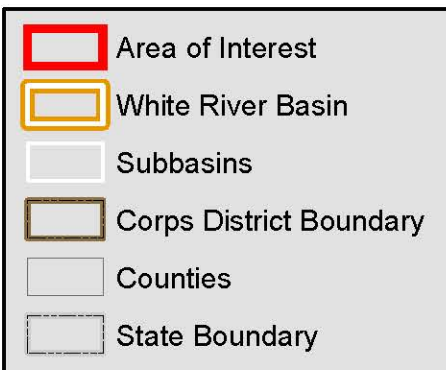
Cache River South of the Black Swamp in the Cache River National Wildlife Refuge.



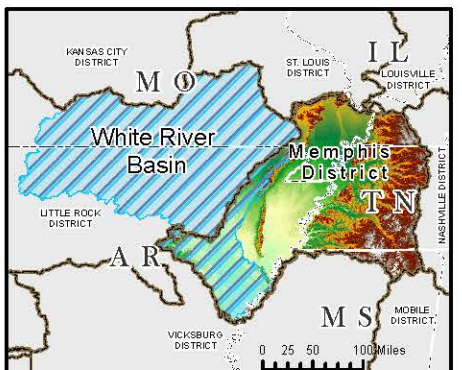
Vicinity Map



Legend



Location in District





# White River, AR

**BUILDING STRONG®**

**Point of Contact**

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**Authority:** The River and Harbors Act of 13 July 1892 authorized the original project. Maintenance was discontinued after Fiscal Year 1951 due to a decline in traffic volume. Maintenance was resumed in Fiscal Year 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.

**Appropriation:** Energy and Water Development, Operation & Maintenance

**Local Interest/Project Sponsor:** Arkansas Waterways Commission

**Location:** This project is located on the White River from Mile 9.8 to Mile 255, near Newport, in Jackson County, Arkansas.

**Description:** The project provides for maintenance of the navigation channel with sufficient width and depth to accommodate existing commerce by snagging, dredging and construction work.

**Importance:** Impacts of not performing maintenance on the White River may range from barges being light-loaded to complete river closure. This could require locally produced commodities to be shipped by more expensive means of transportation thus increasing the cost of the commodity and the cost to the producer. Impact of not repairing and re-establishing navigational channels could result in further shoreline erosion, existing port being cut off from navigation channel, levee failure, and flooding. In addition, restoration of the authorized channel will be more costly in the future, as the sedimentation will continue to accumulate.

**Status:** Funds appropriated in Fiscal Year 2014 were used to perform limited channel surveys. Surveys will be provided to the local sponsor and shippers for their use.

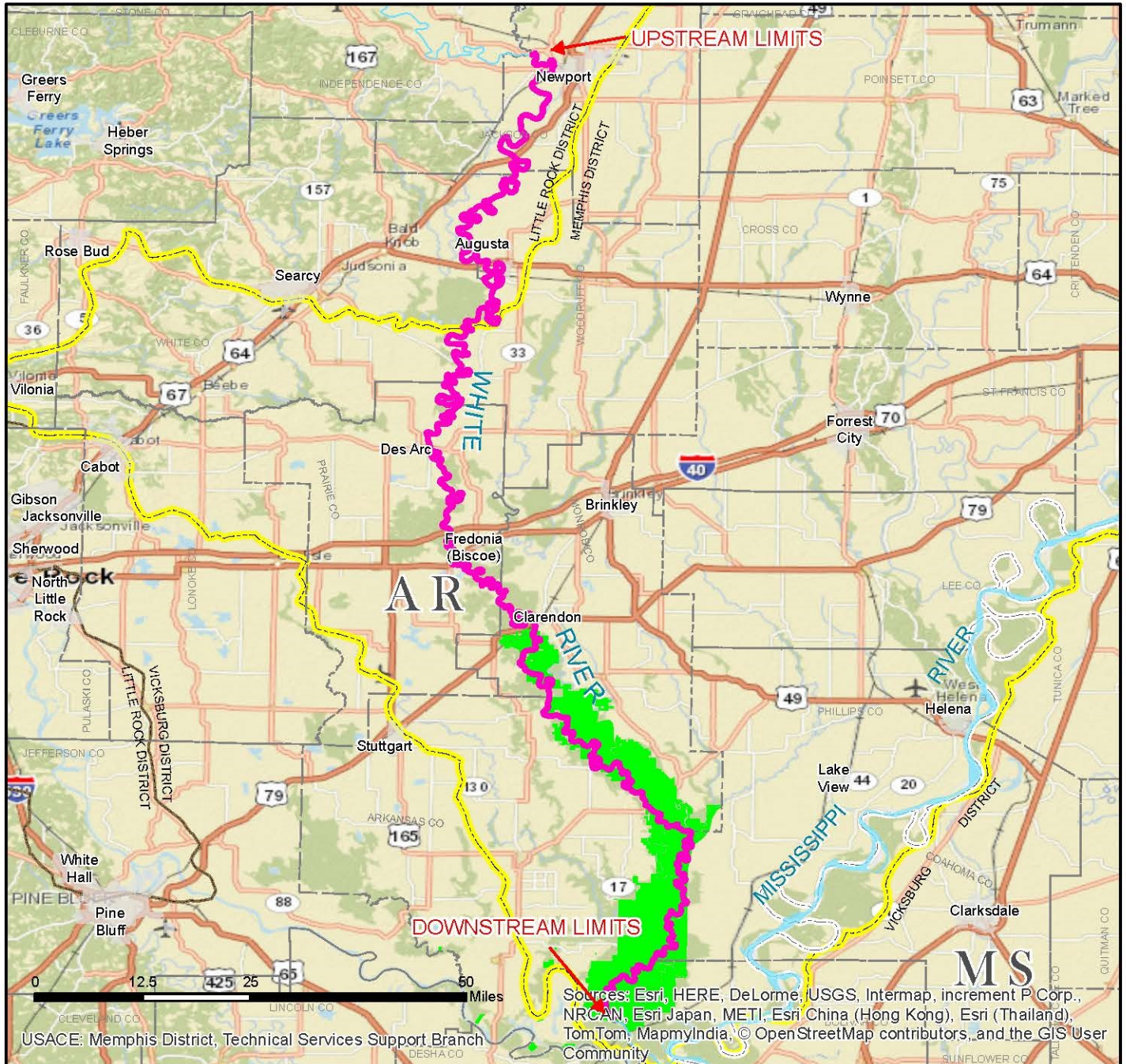
**Issues and Other Information:** Maintenance and funding requirements to provide maintenance dredging vary from year-to-year depending on current river conditions and current prices for dredging services, respectively. Maintenance of low-use inland waterways and harbors is not an Administration budget priority.

**Project Financial Data:**

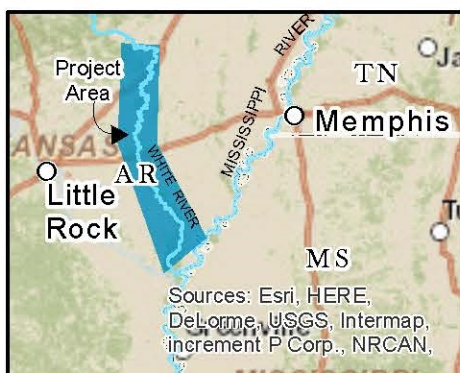
Allocation for FY 2013	\$	0
Allocation for FY 2014		31,000
President's Budget Request for FY 2015		31,000



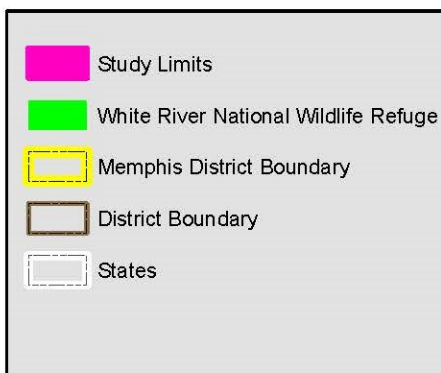
Dredging on the White River.



### Vicinity Map



### Legend



### Location in District

