



US Army Corps of Engineers
BUILDING STRONG®

MEMPHIS DISTRICT



MISSISSIPPI PROJECTS



US Army Corps
of Engineers®
Memphis District

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US Army Corps
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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

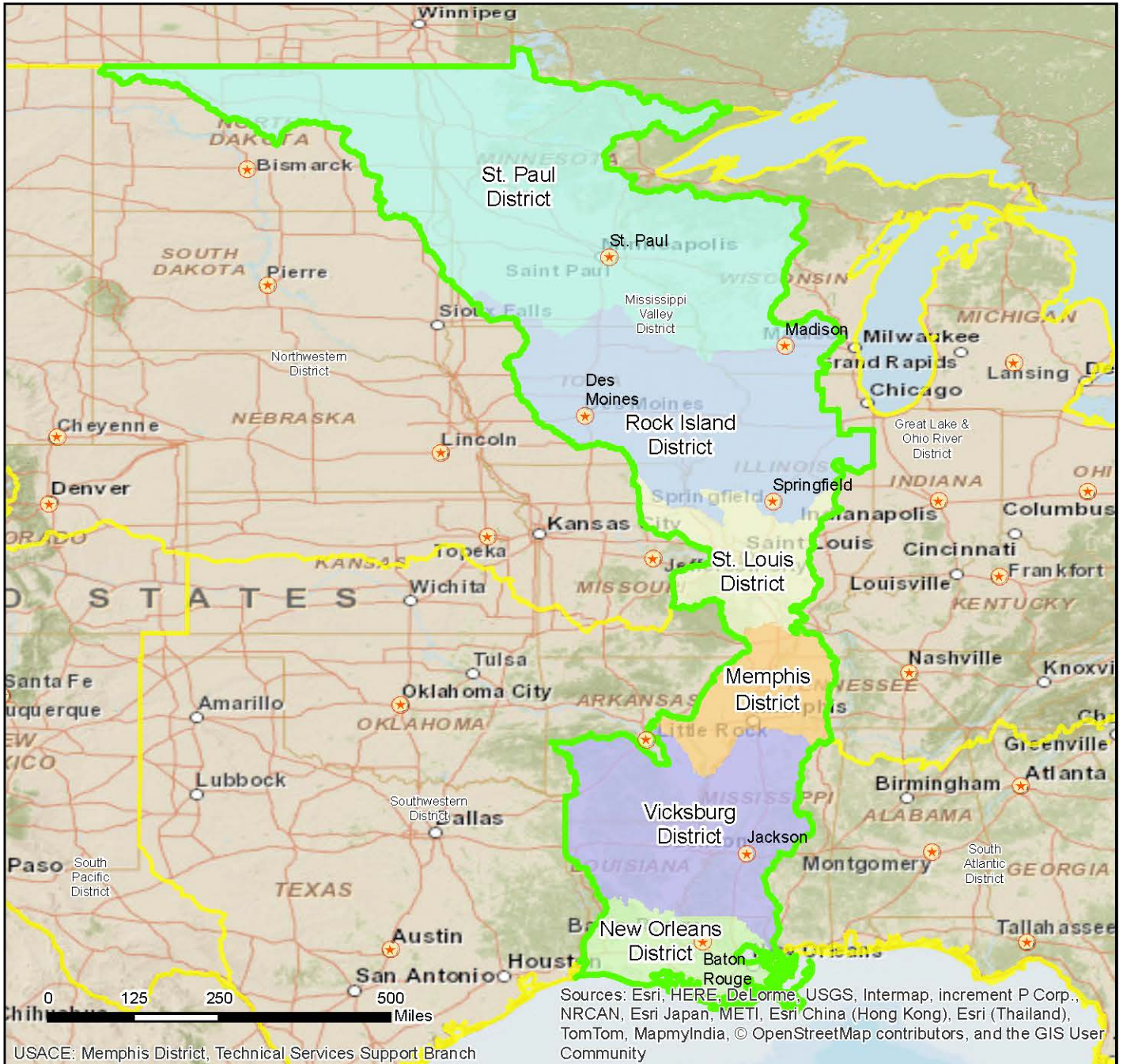
In addition to our main channel navigation and flood risk reduction work, we also provide Emergency Operations planning and response services through our Readiness Branch for natural disasters like floods, hurricanes, earthquakes, tornadoes, and man-made disasters.



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.

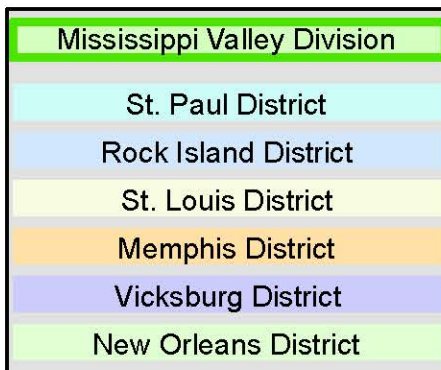
Public safety is the Corps' number one priority. Our pledge is to meet the public engineering needs of your constituents with dedication and professionalism.



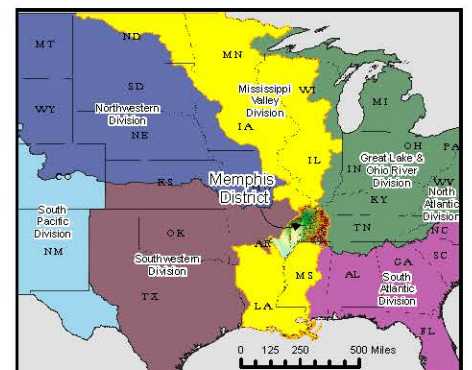
Vicinity Map



Legend



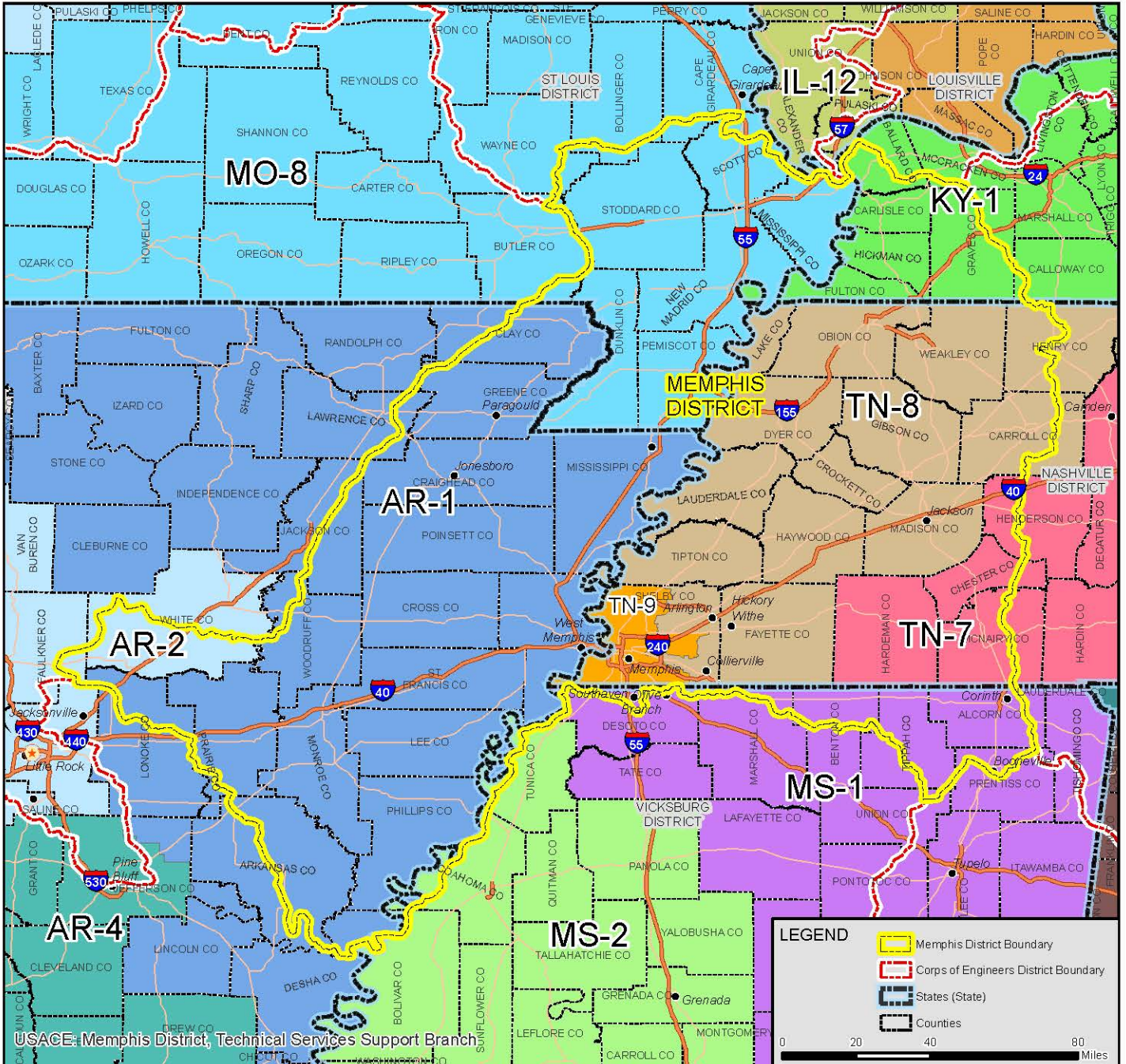
Location in the Division



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)



DeSoto County, MS

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Point of Contact

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

Authority: Water Resources Development Act (WRDA) 1992, Sec. 219 (authorized the Secretary to provide assistance to non-Federal interests for water-related environmental infrastructure); WRDA 1999, Sec. 502 (amended WRDA 1992 to include \$10,000,000 for DeSoto County, MS); Consolidated Appropriations Act, 2001, Sec. 108 (increased DeSoto County authorization to \$20,000,000); Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Tsunami, 2005, Sec. 6006 (increased DeSoto County authorization to \$55,000,000 and allows for reimbursement and/or credits to sponsor for costs incurred in excess of required contributions); Energy and Water Development Appropriations Act of 2006, Sec. 123 (allows for Federal share of all remaining work to be in form of grants or reimbursements); 2008, Section 501, To amend the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users to make technical corrections, and for other purposes (increased authorization to \$75,000,000).

Appropriation: Energy and Water Development, Construction

Local Interest/Project Sponsor: DeSoto County Regional Utility Authority (DCRUA).

Location: DeSoto County is located in north Mississippi, just south of Memphis, Tennessee.

Description: Expansion of the existing sewer systems and development of new systems into one unified countywide system due to the County's rapid growth.

Importance: This environmental infrastructure project is needed to adequately treat increased waste water allowing the county to be in compliance with water quality certification.

Status: Funds appropriated in FY 2014 are being used to continue reimburse the sponsors for 75% of the actual costs of construction as it is completed. Construction of the western treatment plant (\$13,785,000) awarded in July 2011 is complete and was placed into operation in March 2013. Funds are also being used to reimburse the local sponsor for development of plans and specifications for future items of work and for administrative costs. Sponsor is requesting

an amendment to the Postauthorization Change (PCA) to include additional items of work consistent with the Desoto County Regional Wastewater System master plan. The President's Budget for FY 2015 does not include funding for this project.

Issues and Other Information: The local sponsor has primary responsibility for all work with the Federal cost share provided in the form of reimbursements. Federal participation in the entire countywide system will be restricted by the Authorization Limit, currently \$75,000,000. To date, \$66,035,000 has been appropriated, leaving a balance of \$8,965,000 that could be appropriated to this project.

Project Financial Data:

Estimated Federal Cost ¹ :	\$ 75,000,000
Estimated Non-Federal Cost:	\$ 60,000,000
Estimated Total Cost:	\$135,000,000

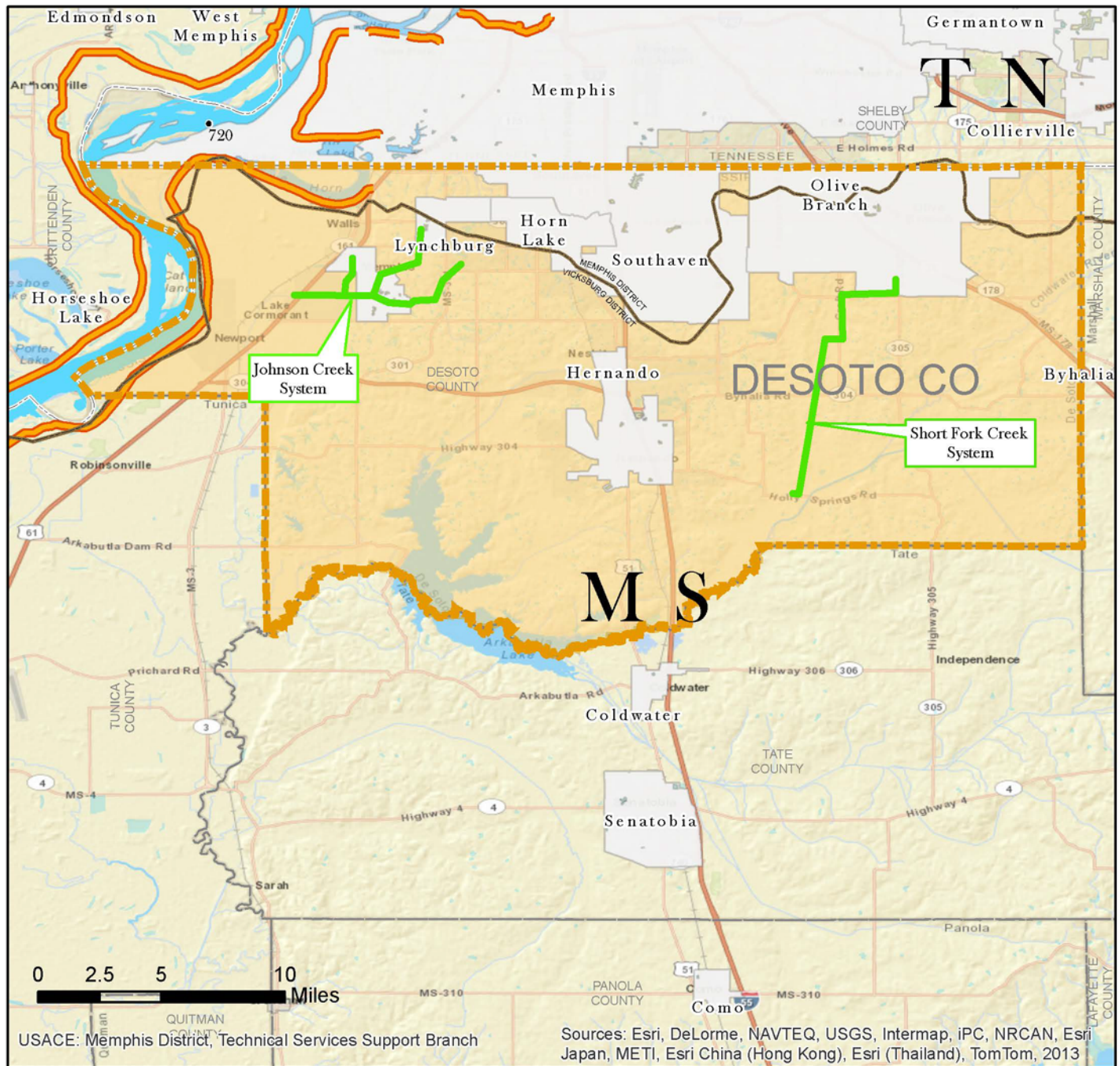
Federal Funding Information:

Allocation thru FY 2013	\$ 64,874,000
Allocation for FY 2014	1,161,000
President's Budget, FY 2015	0
House Report, FY 2015	0

¹Federal Participation Restricted by Authorization Limit rather than 75/25 cost sharing requirements.



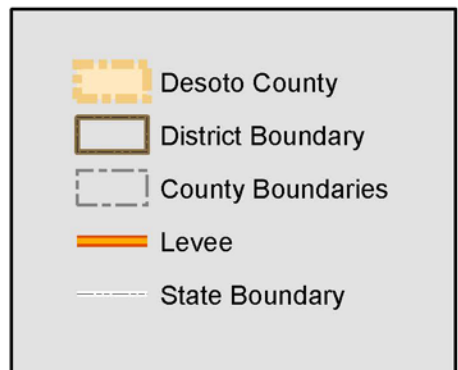
Short Fork Wastewater Treatment Facility



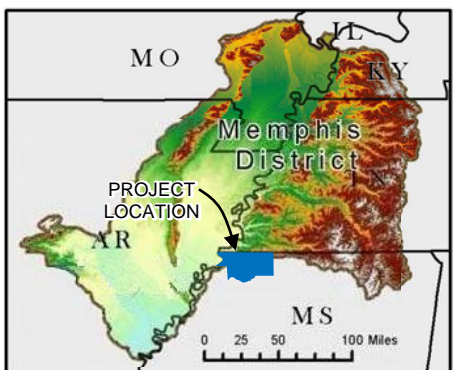
Vicinity Map



Legend



Location in District





Horn Lake Master Plan, MS

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Point of Contact

Jackie Whitlock, Project Manager,
Ph. (901) 544-3832
jackie.s.whitlock@usace.army.mil

Authority: **Water Resources Development Act**
(WRDA) 1974, Sec. 22

Appropriation: Energy and Water Development,
Investigations, Planning Assistance to States (PAS)
Program

Local Interest/Project Sponsor: The City of Horn Lake,
Mississippi

Location: City of Horn Lake, Mississippi

Description: The study consists of development of a
master plan for the City’s water, sanitary sewer, and
storm water systems. It will focus on infrastructure
development for the water, sanitary, and storm water
sewer systems needed to help sustain and facilitate the
increasing growth of the city.

Importance: The City of Horn Lake continues to
experience growth in population. Development of a
master plan is needed to address the increased demand
that is placed on the existing systems.

Status: Phase 1 activities are scheduled to be
completed in September 2014. Phase 2 work will be
initiated in September 2014 to address the City’s
municipal water needs.

Issues and Other Information: The Planning
Assistance to States Agreement was executed on April
16, 2010 and the study was initiated in June 2010.
Planning Assistance to States studies are cost-shared
50% Federal 50% non-Federal. The non-Federal sponsor
may contribute up to 100% of its share in work-in-kind.

Study Financial Data¹:

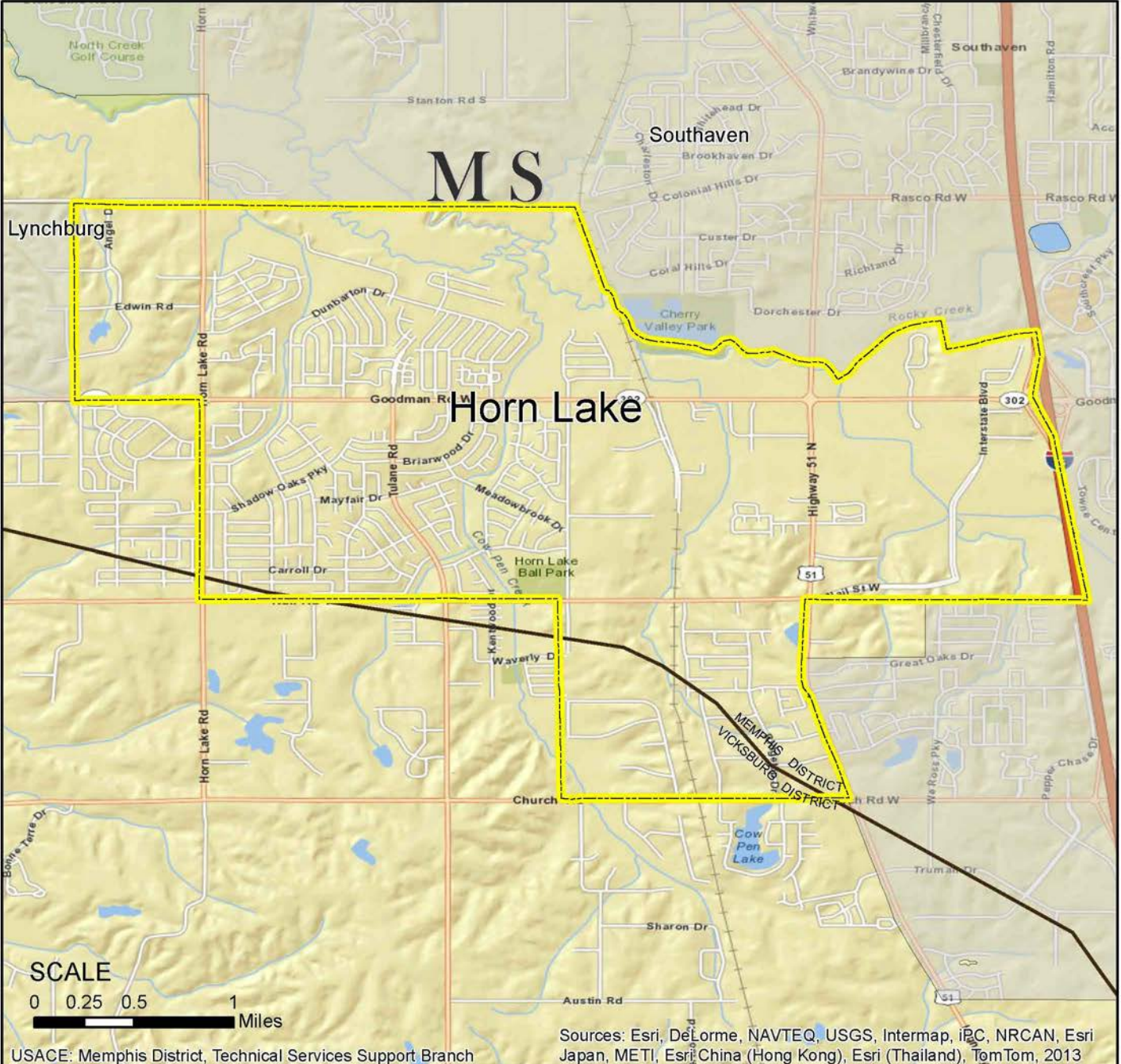
Estimated Federal Cost	\$ 950,000
Estimated Non-Federal Cost:	950,000
Estimated Total Cost	\$ 1,900,000

Allocations thru FY 2013	\$ 538,000
Allocation for FY 2014	0
President’s Budget, FY 2015	0
House Report, FY 2015	0

¹ Preliminary cost estimate.

Bull Frog Corner [South East Corner – facing West] Horn Lake, MS

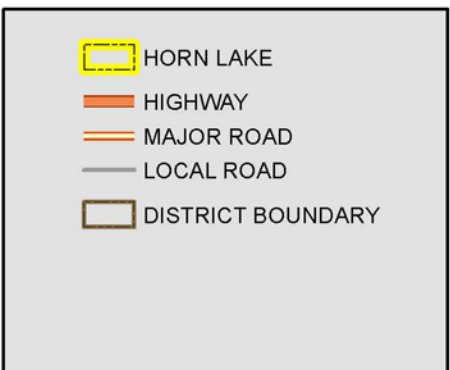




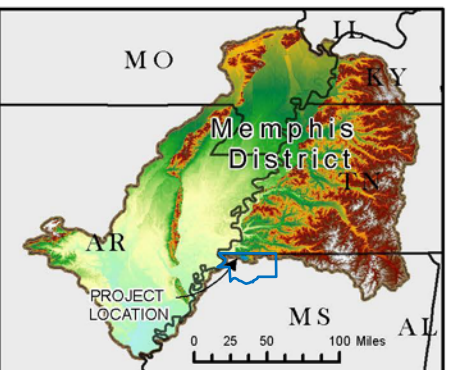
Vicinity Map



Legend



Location in District





Memphis Metro: North Desoto County, MS

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Point of Contact

Daniel Ward, Project Manager,
Ph. (901) 544-0709
daniel.d.ward@usace.army.mil

Authority: U.S. House Committee on Transportation and Infrastructure Resolution dated 7 March 1996.

Appropriation: Energy and Water Development, Mississippi River and Tributaries, Investigations

Local Interest/Project Sponsor: Desoto County, Mississippi has indicated a desire for a study within the project area.

Location: The study area includes the northern portion of Desoto County, Mississippi including the cities of Horn Lake, Southaven, Olive Branch, and Hernando along Horn Lake Creek, Nonconnah Creek, and Coldwater Creek drainage basins.

Description: The purpose of the North Desoto County study is to evaluate the need for improvements for flood control, ecosystem restoration, water quality, recreation, and related purposes associated with storm water runoff and management.

Importance: Desoto County has the fastest growing population in Mississippi (ranked 32 in the entire U.S.). The intense development within the county (50% increase in last decade) has resulted in increased flooding, environmental degradation, and other water resources issues.

Due to the recent development, changes to the flood heights and timing have resulted in increased flood risks. Flood risks include impacts to residential areas, commercial areas, and industrial areas as well as major disruption to transportation corridors. Due to the flashiness of the system, there is a threat to human life and well being. Likewise, development has impacted aquatic and wetland habitat along most of the major waterways in the project area. Most of the area's wetlands have been filled and most of the waterways have undergone modification.

Status: None.

Issues and Other Information: The study is being conducted under the Memphis Metropolitan Area Storm Water Management authorization. No sponsor had the ability to cost share a comprehensive feasibility study over the entire geographic study area. Therefore, individual studies/projects are being pursued from the overall authorization.

Financial Data:

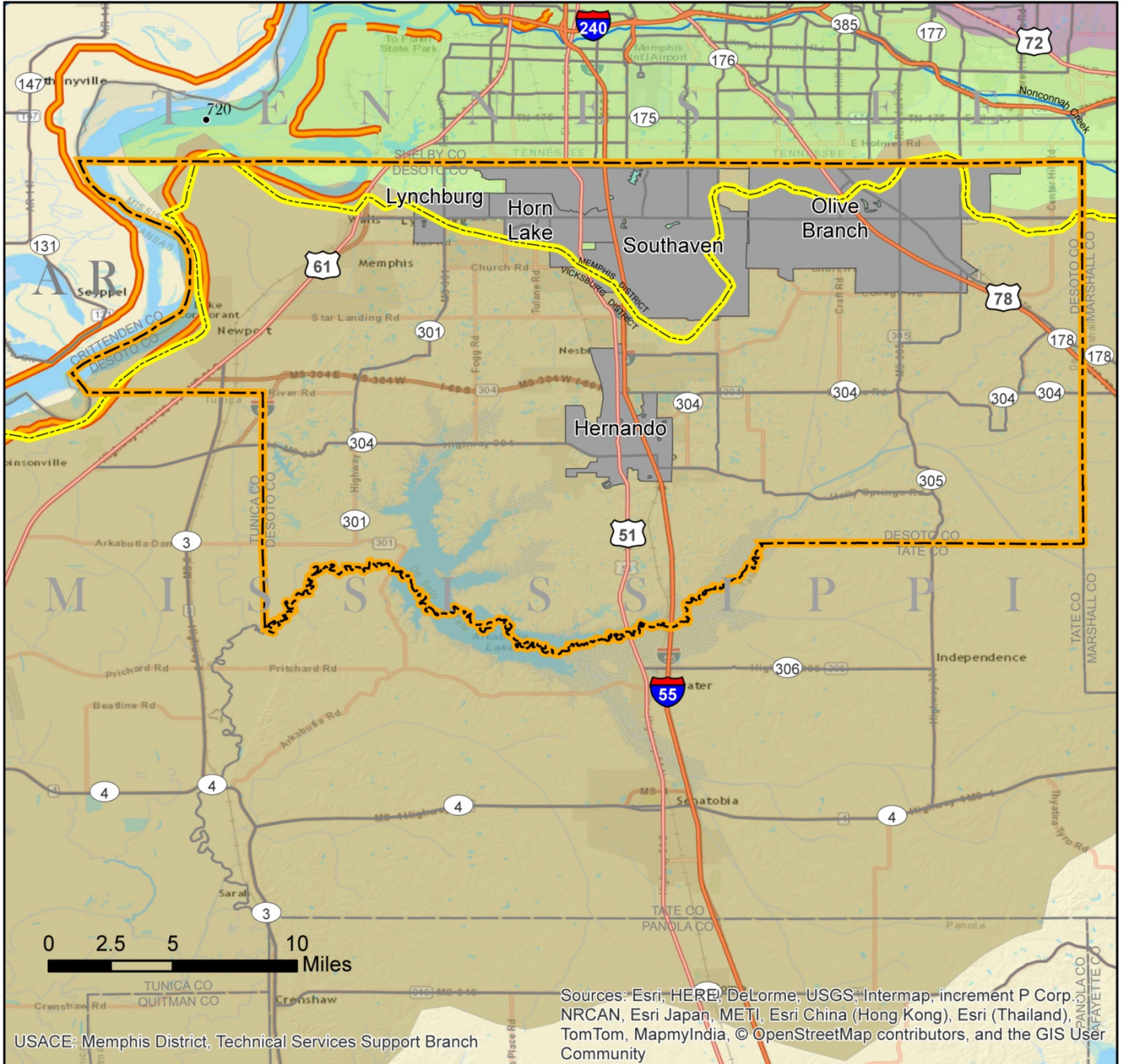
Estimated Federal Cost	\$ 1,200,000
Estimated Non-Federal Cost	\$ 1,200,000
Estimated Total Cost	\$ 2,400,000

Federal Funding Information:

Allocations thru FY 2013	\$	0
Allocation for FY 2014		0
President's Budget, FY 2015		0
House Report, FY 2015		0



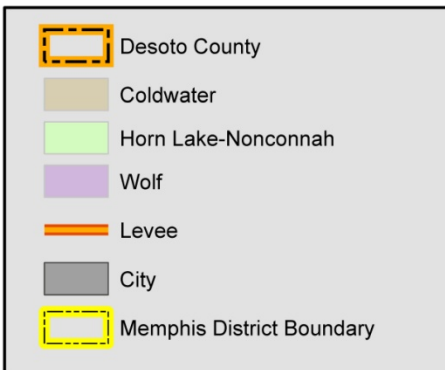
Memphis Metro study area and Desoto County



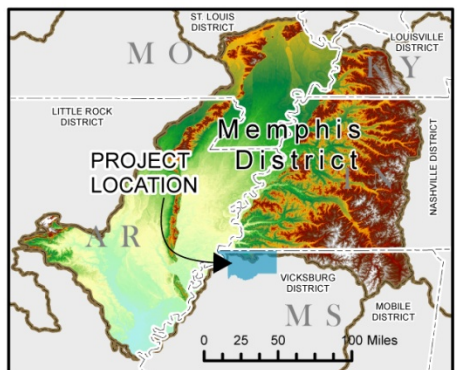
Vicinity Map



Legend



Location in District





North Creek Ditch, MS

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Point of Contact

Jackie Whitlock, Project Manager,
Ph. (901) 544-3832
jackie.s.whitlock@usace.army.mil

Authority: Flood Control Act of 1946, Sec. 14, as amended; Water Resources Development Act (WRDA) 2007, Sec. 1003 (Continuing Authorities Projects Not Requiring Specific Legislation)

Appropriation: Energy and Water Development, Construction, Sec. 14

Local Interest/Project Sponsor: City of Southaven, MS, is the potential cost-sharing sponsor, requesting assistance in a letter dated October 14, 2013

Location: The study area is located in the City of Southaven in Desoto County, MS. North Creek Ditch is located along Stateline Road west of Horn Lake Road.

Description: Provide protection to public infrastructures including Stateline Road a major thoroughfare that runs thru cities in north Mississippi and associated waterlines and sewerlines. The Erosion problems are occurring along the ditch and threatening this infrastructure.

Importance: The integrity of the road and utilities could become further endangered with the next flood event.

Status: None, pending funding.

Issues and Other Information: None.

Study Financial Data¹:

Estimated Federal Cost	\$ 100,000
Estimated Non-Federal Cost	0
Estimated Total Cost	\$ 100,000

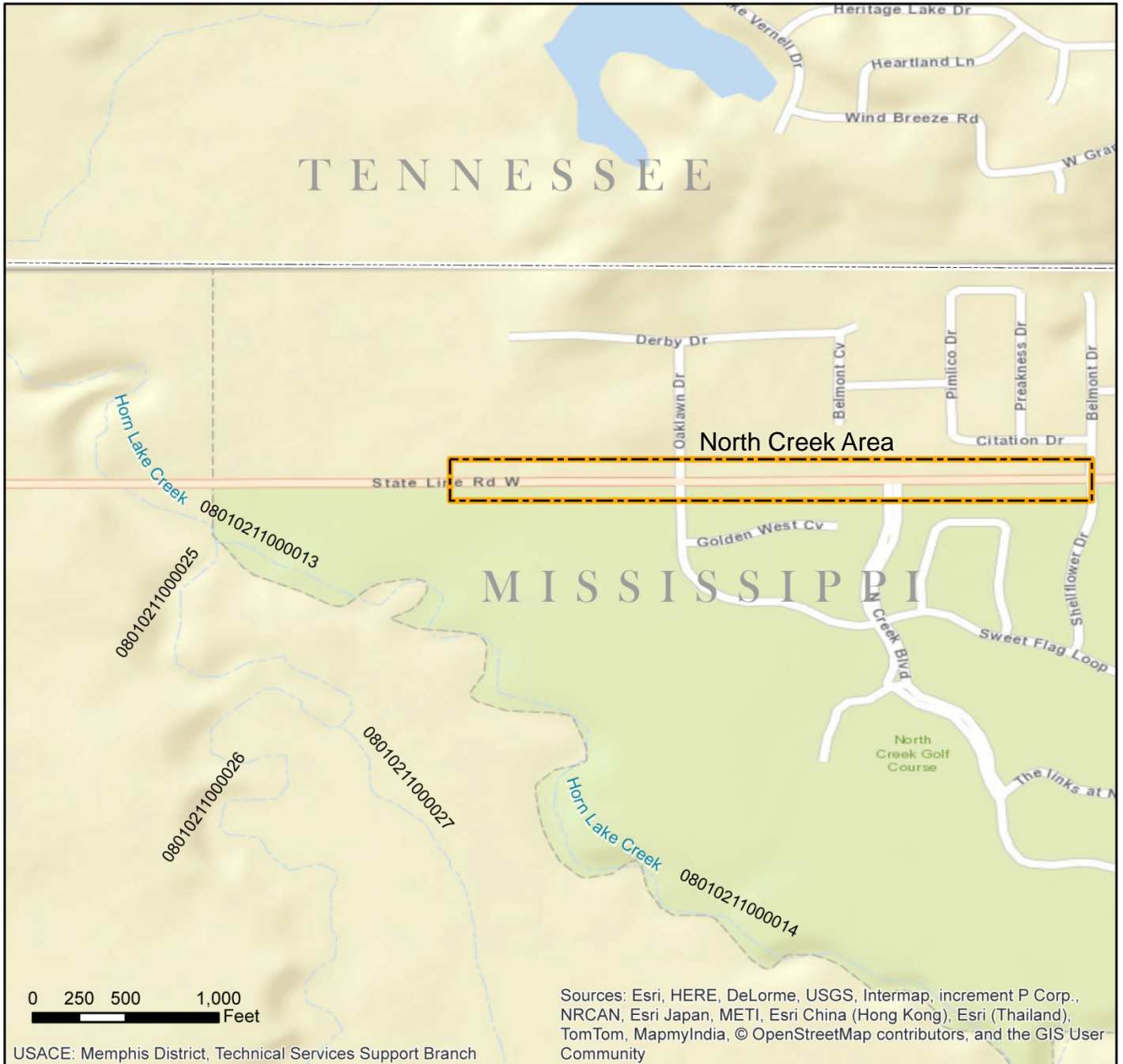
Federal Funding Information:

Allocations thru FY 2013	\$ 0
Allocation for FY 2014	0
Balance to Complete after FY 2014	\$ 100,000
President's Budget, FY 2015	N/A

¹Reflects initial Feasibility costs only.



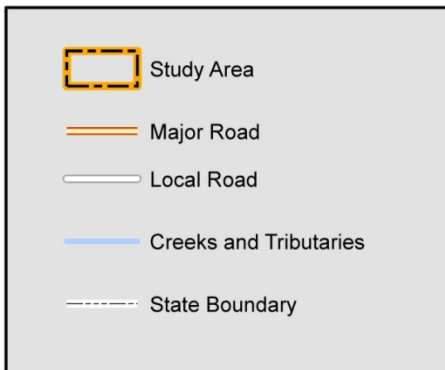
Erosion along Stateline Road, Southaven, MS



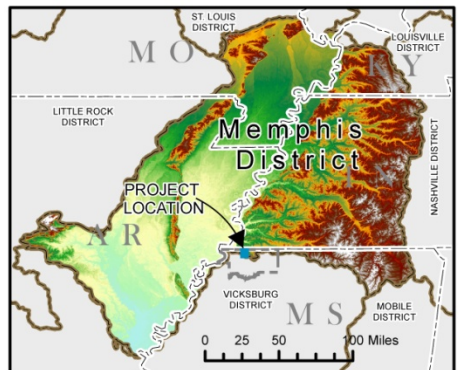
Vicinity Map



Legend



Location in District





Southaven Master Plan Study, MS

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Point of Contact

Jackie Whitlock, Project Manager,
Ph. (901) 544-3832
jackie.s.whitlock@usace.army.mil

Authority: **Water Resources Development Act** (WRDA) 1974, Sec. 22

Appropriation: Energy and Water Development, Investigations, Planning Assistance to States (PAS) Program

Local Interest/Project Sponsor: The City of Southaven, Mississippi is the non-Federal Sponsor.

Location: City of Southaven, which is located in DeSoto County, Mississippi

Description: The study consists of development of a master plan to address the city’s sanitary sewer and water system needs.

Importance: The study will allow the City to actively plan and phase in sanitary sewer and water system improvements to address the demands that future growth will place on the system.

Status: Prior year funds are being used to continue Phase 1 of the study which consists of collecting survey data and developing system maps.

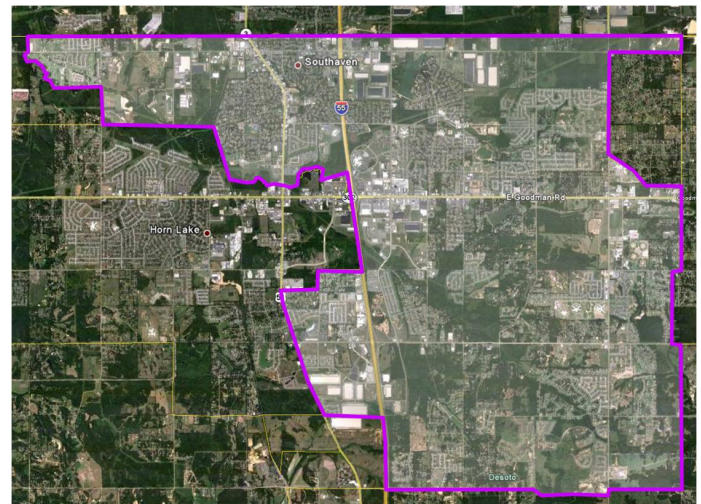
Issues and Other Information: A Planning Assistance to States Agreement was executed with the sponsor for a multiyear study on 17 August 2011. Planning Assistance to States studies are cost-shared 50% Federal/50% non-Federal. The non-Federal sponsor may contribute up to 100% of its share in work-in-kind.

Study Financial Data¹:

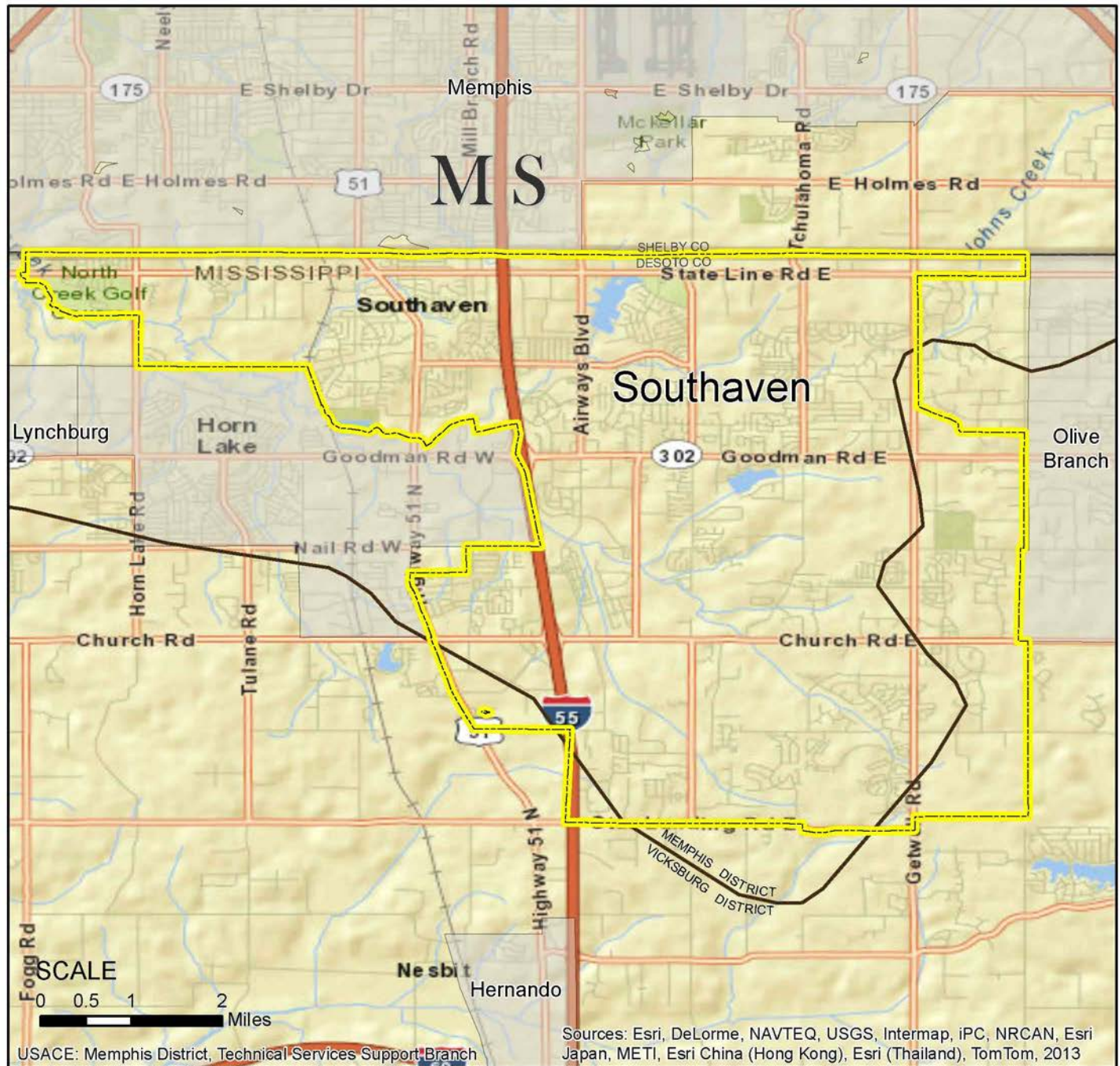
Estimated Federal Cost:	\$ 860,000
Estimated Non-Federal Cost:	\$ 860,000
Estimated Total Cost:	\$1,720,000

Allocations thru FY2013	\$ 71,500
Allocation for FY 2014	0
President’s Budget Request, FY 2015	0
House Report, FY 2015	0

¹Preliminary cost estimate.



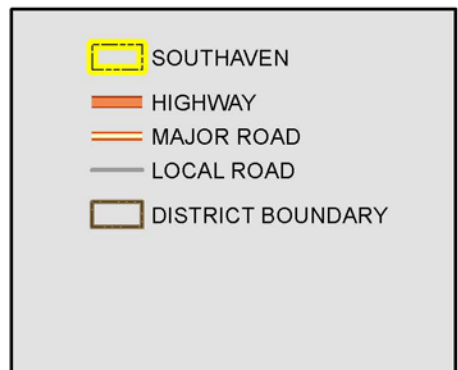
Aerial photo of Southaven, MS



Vicinity Map



Legend



Location in District

