



VALUE TO THE NATION

US ARMY CORPS OF ENGINEERS ★ MISSISSIPPI VALLEY DIVISION ★ BUILDING STRONG®

INTRODUCTION

As the U.S. Army Corps of Engineers has done for more than 200 years, the civil works program continues to provide value to the nation by delivering sustainable solutions to meet the water resource requirements.

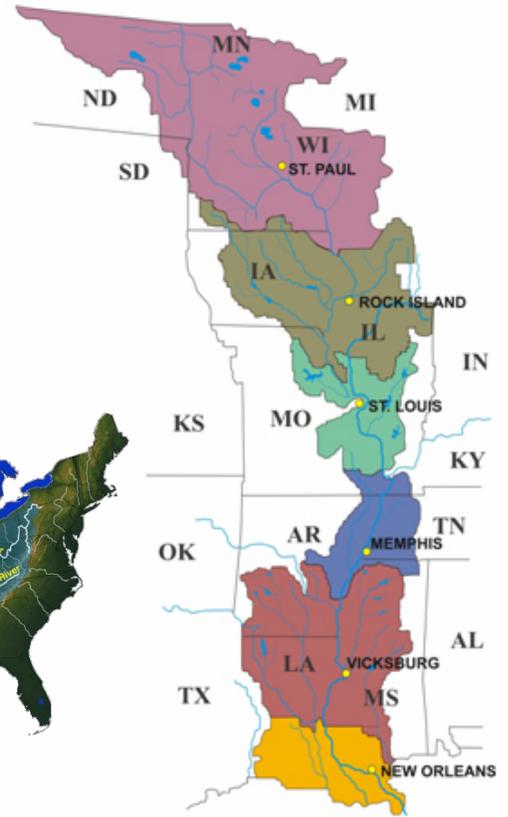
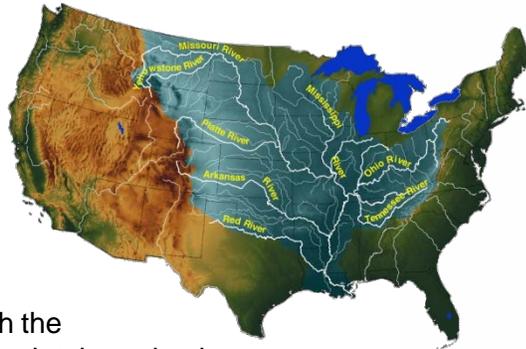
The Mississippi Valley Division is responsible for the Corps water resources programs within 370,000-square-miles of the Mississippi River Valley. The division boundary encompasses the entire Mississippi River from Lake Itasca, Minn., to the Gulf of Mexico, and includes all or parts of 12 states: Ken., Tenn., La., Miss., Ill., Mo., Ark., Iowa, Wisc., Minn., N.D and S.D.

The mission of the division is to serve the Mississippi Valley region by managing the watersheds and developing collaborative engineering solutions that will reduce risks through the reduction of flood damage potential, maintain and enhance navigation, and protect, restore and enhance environmental ecosystems; while being prepared to respond to regional and national emergencies.

250+ tributaries drain into the Mississippi River, the largest of which are the Ohio and Missouri rivers. The 1.25 million-square-mile Mississippi River drainage basin gathers water from 41 percent of the continental United States. This includes all or parts of 31 states and two Canadian provinces.

NAVIGATION

- 4,267 miles of commercial waterways
 - ▶ 11 Inland Waterway systems
 - ▶ 19 other waterway systems
 - ▶ 1/3 of U.S. inland waterways
 - ▶ Moves 47% of U.S. inland waterborne commerce
- 487 million tons of cargo (295M domestic/192M foreign) moved on the Mississippi River system in 2008
- Main Commodities: petroleum & petroleum products, crude materials, food & farm products, chemicals and related products, primary manufactured goods, and coal
- 7 deep-draft ports
- 51 shallow-draft ports



- \$2.7 billion in domestic transportation savings in 2008
- 59 locks:
 - ▶ 29 on the Mississippi River
 - ▶ 8 on the Illinois River
 - ▶ 6 on the Gulf Intracoastal Waterway, LA
 - ▶ 5 on the Red River, LA
 - ▶ 4 on the Ouachita & Black Rivers, AR & LA
 - ▶ 1 on the Kaskaskia River, IL
 - ▶ 1 at Old River, LA
 - ▶ 1 at Bayou Teche, LA
 - ▶ 3 in the Atchafalaya Basin, LA
 - ▶ 1 at Freshwater Bayou, LA



BUDGET AND MANPOWER

- Total Division-wide employees: 4,978 (4,896 civilians, 82 military)
- Division headquarters employees: 107 civilians, 3 military
- FY 2013 President's Budget: \$790 million
- MR&T Disaster Relief funding for 2011 flood: \$802 million

FLOOD DAMAGE REDUCTION

- 36 flood control reservoirs:
 - ▶ 3 in Arkansas
 - ▶ 4 in Mississippi
 - ▶ 5 in Illinois
 - ▶ 2 in Missouri
 - ▶ 3 in Iowa
 - ▶ 2 in North Dakota
 - ▶ 3 in Louisiana
 - ▶ 1 in Wisconsin
 - ▶ 13 in Minnesota
- 59 pumping stations (MR&T)
- 400 drainage structures
- ~8,400 miles of levee (3,486 miles MR&T)
- 143 miles of foreshore protection (MS River)
- 700 miles of wing dams
- 1,092 miles of revetment (MS River)
- 326 miles of rock dikes (MS River)
- \$351.6 billion cumulative damages prevented
- \$27 billion in damages prevented in 2008



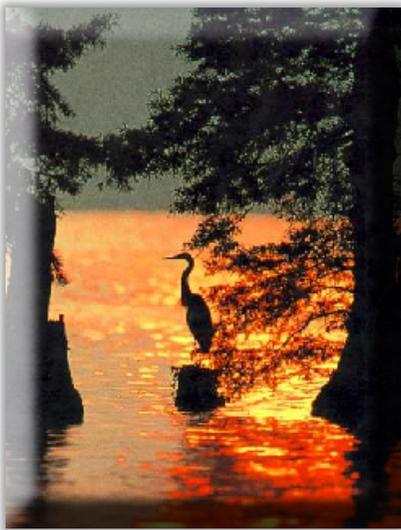
HYDROPOWER

- 4 Corps plants produce 226.5 MW of power:
 - ▶ Clarence Cannon Dam on the Salt River at Monroe City, Mo.
 - ▶ Narrows Dam on the Little Missouri River at Murfreesboro, Ark.
 - ▶ Blakely Mountain Dam on the Ouachita River near Mountain Pine, Ark.
 - ▶ DeGray Dam on the Caddo River near Arkadelphia, Ark.
- 8 non-Federal plants (4 private, 4 municipal) at Corps dams on Mississippi & Illinois rivers provide 395 megawatts of power.



RECREATION

- 2 million acres (land and water)
- 444 recreation areas
- 9,526 camp sites
- 33 lakes
- 14 visitor centers
- 329 boat ramps
- 6,074 miles of lake shoreline
- 1,360 shoreline management permits
- \$3.3 million value of volunteer labor
- 92 concessionaires
- \$3 billion cumulative value to local economies
- \$6.6 million user fees



ENVIRONMENTAL

In all aspects of natural and cultural resources management, the Corps promotes awareness of environmental values and adheres to sound environmental stewardship, protection, compliance and restoration practices. Environmental sustainability and watershed approaches are important to the ecosystem restoration mission of the Corps. Project impacts on the environment are identified and a sustainable balance of environmental, economic, social and engineering factors is sought. The National Ecosystem Restoration Planning Center of Expertise is located in this division. It provides services including environmental training, independent technical review, environmental model certification, as well as supporting ecosystem research and development needs. Center resources include virtual team members from around the nation in non-government organizations, universities and other state and federal agencies.

EMERGENCY RESPONSE

2011 Red River of the North Flood

- \$18.2 million Flood Control and Coastal Emergency funding.
- 18 communities supported with emergency construction and five communities with technical assistance.
- 84,000 sand bags, 64 rolls of polyethylene and six pumps loaned to support affected communities.

2011 Souris River Flood Fight

- \$6.3 million Flood Control and Coastal Emergency funding.
- 37 emergency contracts issued to provide support to Burlington, Minot, Sawyer and Velva.
- 84,000 sand bags and 174 rolls of polyethylene loaned to support affected communities
- 7 FEMA recovery missions assigned with total cost \$59,000,000+.
- Three rehabilitation projects were approved with estimated costs of \$5,444,000.

Record Flood of 2011

- 150-300% of normal snow water equivalent coupled with 600-1000% of normal rainfall during the middle/end of April caused river levels over the Mississippi River to exceed the flood of record over many reaches of the river.
- First time all three floodways were operated: Birds Point–New Madrid, Bonnet Carre' and Morganza.
- \$82+ million in Flood Control and Coastal Emergency and Mississippi River and Tributaries funding.
- Flood fight supplies provided to local communities included: 39.2 million sand bags, 5,268 rolls of polyethylene, 207 pumps, 191,810 lineal feet Hesco Bastions and 1,280 lineal feet of Rapid Deployable Flood Wall.
- More than 700 team members engaged in the flood fight
- Although the 2011 flood inundated 6.8 million unprotected acres, the MR&T project prevented flooding of 10 million acres. In 2011 alone, the MR&T System prevented \$230 billion in damages.

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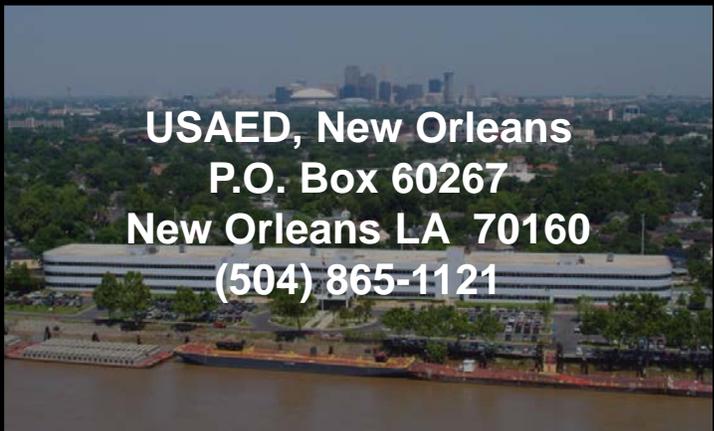
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