

Project Factsheet for: National Levee Database

Date Last Updated: 02/18/2009 09:27

Project Location Information

Location: Rock Island District

River Basin(s): Des Moines, Illinois, Iowa / Cedar, Mississippi, Rock

State(s): IA , IL , MO

Congressional District(s): IA-1 , IA-2 , IA-3 , IA-4 , IL-11 , IL-17 , IL-18 , IL-3 , MO-9

Status

Field surveying for ~437.1 linear miles of qualifying levees along the Upper Mississippi River has been completed. The District is working closely with PBS&J to complete development of system/segment component of the geodatabase. Database validation processing is pending completion of this requirement.

Active coordination with the District's flood area engineers (FAEs) and with other related projects and initiatives (e.g. Mainstem Levees Evaluations Project, floodplain LIDAR mapping, and evaluation of project datums) is ongoing.

Description

The need to develop a comprehensive national levees database was recognized as FEMA's nation-wide digital flood insurance rate map (DFRIM) modernization program advanced. The criticality of this need was brought to the forefront by Hurricane Katrina. Subsequent Congressional action, specifically FY06 supplemental FCCE funding, provided the Corps with the resources necessary to design and build a National Levee Database (NLD). An initial levees survey instrument was fielded to quantify the magnitude of this effort. A USACE Project Development Team (PDT) was then tasked with development of the data model. PBS&J, the national surveying and database development firm, has been contracted to provide support to all aspects of the NLD project. 5 pilot Districts were designated to field test the data model, including development of standard operating procedures for data collection (e.g. surveying) and populating the database. The initial development of the NLD included field surveying and database development for only those levees that provide or potentially provide protection from the 1% chance flood event. There are approximately 668.5 linear miles of levees within in the Rock Island District that provide or potentially provide that level of protection.

Summarized Financial Data

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| Federal Cost | \$1,680,000 |
| Non-Federal Cost | \$0 |
| Total Cost | \$1,680,000 |
| | |
| Federal Allocations through FY 2008 | \$1,080,000 |
| Scheduled Federal Allocation for FY 2009 | TBD |
| Balance to Complete | \$600,000 |

Major Work Item (This Fiscal Year)

Complete database development for ~437.1 linear miles of qualifying levees (i.e. levees known to provide or potentially providing protection from the 1% chance or greater flood event) located within the Rock Island District of the U.S. Army Corps of Engineers.

Pending additional funding, complete detailed field surveying of and initiate database development for remaining (i.e. those not adjacent of the Upper Mississippi River) ~231.4 linear miles of qualifying levees within the Rock Island District of the U.S. Army Corps of Engineers.

Major Work Item (Next Fiscal Year)

Complete database development for remaining (i.e. those not adjacent of the Upper Mississippi River) ~231.4 linear

miles of qualifying levees within the Rock Island District of the U.S. Army Corps of Engineers.

Pending additional funding, develop scope of work for identifying, field surveying, and developing NLD for all remaining levees within the Rock Island District. These would be levees known to not provide protection from the 1% chance or greater flood event. Any implementation of this SOW would be dependent upon funds available.

Authority

OM - Operations and Maintenance -- Flood Control & Coastal Emergencies (FCCE) , P.L. 84-99

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