

# Project Factsheet for: Upper Mississippi River System Navigation and Ecosystem Sustainability Program (formerly UMR-IWW Sys. Navigation Feas. Study)

Date Last Updated: 08/23/2007 13:00

## Project Location Information

**Location:** Upper Midwest - IA, IL, MN, MO and WI

**River Basin(s):** Illinois, Mississippi

**State(s):** MN, MO, WI, IA, IL

**Congressional District(s):** IA-3, IA-4, IA-5, IL-11, IL-16, IL-17, IL-18, IL-19, MN-1, MO-9, WI-3, IA-1, IA-2

### Status

This program is not in the Administration's FY08 budget and will require Congressional Add for continued PED efforts. Program WRDA authorization is required to proceed with construction of small-scale navigation improvements and ecosystem restoration projects.

General Investigation appropriations in FY08 will be used to complete the economic reevaluation of the Navigation Efficiency component and continue Preconstruction Engineering and Design (PED) efforts on 28 active navigation efficiency and ecosystem restoration projects. Construction General authorization and appropriations would allow several small scale navigation (moorings, switchboats) and ecosystem (island protection, side channel restoration, pool wide drawdown...etc) to proceed to construction in FY 2008. These current active PED projects were selected and designed to support the broad based implementation specified in the Chief of Engineers Dec 2004 Final Recommended Plan, including: the initiation of design for small scale navigation improvements; mooring cells, buoys, and switchboats; initiation of design for two new 1,200' locks at LD 25 and LD22 (minimal start on La Grange); conducting environmental mitigation studies; supporting research into non-structural improvements and demand forecasting tools; develop plans for ecosystem restoration adaptive management; initiate design of fish passage projects; initiation of planning for dam point control at LD 25; and initiation of design for several habitat restoration and floodplain restoration projects.

### Description

This multi-use resource supports an extensive navigation system (made up of 1,200 miles of 9 foot channel and 37 lock and dam sites), a diverse ecosystem (2.7 million acres of habitat supporting hundreds of fish and wildlife species), floodplain agriculture, recreation and tourism. The Upper Mississippi River-Illinois Waterway System Navigation Study was completed in Sept 2004 after more than 14 years of intensive study and evaluation of the navigation improvement and ecological restoration needs for the UMR-IWW system for the years 2000-2050. The system is a vital part of our national economy and a valuable ecological resource. The 1,200 miles of 9-foot channel created by the 37 lock and dam sites allow waterway traffic to move from one pool to another providing an integral regional, national, and international transportation network. The system is significant for certain key exports and the Nation's balance of trade. For example, in 2000, the Upper Mississippi River System carried approximately 60 percent of the Nation's corn and 45 percent of the Nation's soybean exports. The UMRS ecosystem consists of 2.7 million acres of bottomland forest, islands, backwaters, side channels and wetlands, all of which support more than 300 species of birds, 57 species of mammals, 45 species of amphibians and reptiles, 150 species of fish, and nearly 50 species of mussels. More than 40 percent of North America's migratory waterfowl and shorebirds depend on the food resources and other life requisites (shelter, nesting habitats, etc.) that the system provides. It also provides boating, camping, hunting, trapping and other recreational opportunities. The resulting study final recommendation includes a program of incremental implementation and comprehensive adaptive management to achieve the dual purposes of ensuring a sustainable natural ecosystem and navigation system. With congressional appropriations for Preconstruction, Engineering and Design (PED) beginning in February 2005, the study team adopted a working title of UMRS Navigation and Ecosystem Sustainability Program (NESP) to distinguish PED efforts from the Feasibility Study.

### Summarized Financial Data

	PED	Construction
Federal Cost	\$59,780,000	\$3,710,631,000
Non-Federal Cost	\$0	\$152,588,000
Total Cost	\$59,780,000	\$3,863,219,900 <sup>a</sup>
Federal Allocations through FY 2007	\$37,313,000	\$0
Balance to Complete after FY 2007	\$22,467,000	\$3,863,219,900
Budget Request for FY 2008	\$0	\$0
FY08 Expressed Capability	\$24,000,000	\$16,200,000

<sup>a</sup> Allocations for PED under GI are additive to the construction project cost estimate (i.e. Total Project Cost = \$3.922 billion) The original total estimated project costs (nonfed and fed) was reported in the Dec 04 Chiefs Report (Oct04 values). The values reflected have been cost-indexed using an ENR multiplier of 1.0867 to reflect Oct 2006 value. These are consistent with 2007 WRDA language.

### Major Work Item (This Fiscal Year)

**FY 2007:** Work continues on economic reevaluation of the navigation improvements portion of the Recommended Plan along with plan

formulation and pre-construction and engineering design (PED) activities on a diverse array of navigation and ecosystem projects. Current level of effort is aligned for \$14M from the FY07 Congressional Joint Resolution. A detailed summary of NESP activities, products, upcoming meetings and individual project information papers can be accessed via the newly revised NESP website: <http://www2.mvr.usace.army.mil/NESP/>.

### **Major Work Item (Next Fiscal Year)**

**FY 2008:** " FY2008 construction capability (Rock Island, St. Louis & St. Paul Districts): \$16,200,000. Approximately \$7.6 million will be used for Sm. Scale Nav Improvements and \$8.6 million for ecosystem restoration. Additional PED capability of \$24 million will be utilized to continue plan formulation and design activities which will prepare for a major construction capability (>\$30 million) in FY2009.

### **Authority**

GI - General Investigations -- WRDA 2007 Authorization Pending

### **Additional Information**

Additional Congressional Districts: IL-12; MO-1, MO-2, MO-3, MO-8; MN-2, MN-8

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