



US Army Corps  
of Engineers  
St. Louis District

# Information Paper

## D. Navigation Adaptive Management

### Upper Mississippi River System - Navigation and Ecosystem Sustainability Program

#### Contact

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#### Location/Description

The program area comprises the Upper Mississippi River System, as defined by Congress in the Water Resources Development Act of 1986 (WRDA 1986), which includes the Upper Mississippi River from Minneapolis, Minnesota, to Cairo, Illinois; the Illinois Waterway from Chicago to Grafton, Illinois; and navigable portions of the Minnesota, St. Croix, Black and Kaskaskia Rivers. This multi-use resource supports an extensive navigation system (made up of 1200 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. Based on the recommendation of the recently completed UMR-IWW System Navigation Feasibility Study that examined system needs over the next 50 years, the Navigation and Ecosystem Sustainability Program (NESP) was implemented to achieve the dual purposes of UMRS ecosystem restoration and navigation improvements. The Lock 25 – New 1200 ft Lock is one of 8 initial NESP navigation efficiency component projects being implemented under this new UMRS program.

This project will perform systemic economic analysis of the navigation system based upon updated data and economic models available, mainly as a result of the NETS program. Major task areas include administration, navigation efficiency monitoring and analysis of the existing system and later, implemented measures, both small and large scale, preparation of Notification and Evaluation Reports, and finally preparation of a feasibility report to serve as the basis for authorization of the remainder of the project.

#### Problem Statement

The Navigation Adaptive Management project provides a mechanism to analyze and confirm/modify as warranted, proposed navigation efficiency features to best suit the needs of the Upper Mississippi River System and the Nation.

#### Current Status

A draft Interim Report of the economic reevaluation of the Feasibility Report recommended plan is being prepared using updated economic data and models and analytical tools as available for completion by the end of calendar 2007. Based upon results of the Interim Report, a decision whether to accomplish a full general reevaluation report will be made.

#### Authority

Pending new authority, our current activities supporting UMRS navigation and ecosystem improvements are performed under authority provided by Section 216 of the Flood Control Act of 1970 (Public Law 91-611).