



US Army Corps of Engineers

Institute for Water Resources

BUILDING STRONG®

Dredging Data & LPMS (2010)

Status: **Project Manager:**

In Progress [Virginia Pankow](#)

Purpose: The purpose of this work is to provide dredging and lock data for efficient management of Congressionally authorized navigation projects, to meet the performance requirements of the Presidents Management Agenda (PMA), to supply data for programs rated by the Program Assessment Rating Tool (PART) as well as to respond to specific public laws. These data are used internally for operational and strategic management decisions, as critical elements for the budget process, performance indicators of navigation projects and programs and input for navigation studies.

Objective: The objective is to collect and distribute data and information for the effective and efficient operation and management of the Corps locks and dredging activities. Products include details and summaries of dredging activity and lock usage and performance, which are provided to the Corps (OMBIL) and the public (website).

Benefits: The availability of long term, consistent data provides Corps operators, managers, planners and researchers with reliable information on the use, performance and characteristics of the Corps navigation locks and dredging activities. Decisions based on these data can be documented and defended, and they establish credibility in the navigation community. Day-to-day operational decisions at lock sites can be made with the increased situational awareness provided by the display of approaching vessel location, speed and direction (processed from the Coast Guard AIS signal required on commercial vessels).

Progress: The successful beta test of the automatic recoding of selected lock timing events took place in March 2010 at Port Allen Lock. Additional New Orleans locks have been added with the goal of all locks in New Orleans having the automatic data recording capability by the end of the FY (Sep 30, 2010) Favorable reports from lock operators indicate this capability improves data accuracy and reduces the data input workload. Added benefit of the system is the ability of the operator to 'see' approaching traffic which improves his ability to manage time and maintenance activities. Update- as of mid August 2010 all MVN locks are using the automatic data recording feature.

Products:

**Related
Links:**

- [USACE IWR Navigation Data Center](#) (*project web site*)
 - [USACE Dredging Information](#)
 - [USACE Lock Usage, Performance & Characteristics](#)
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Partners:

- [Civil Works](#)
- Navigation Industry
- [US Coast Guard](#)