Great Lakes Navigation System
Dredging Update

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Great Lakes Navigation Team
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Great Lakes Navigation
Dredging Update

WRRDA 2014 – Impacts to Great Lakes Funding

Dredging
FY15 and FY16 Program
Recent Trends

Dredged Material Management
Trends, updated graphics

Outreach – Upcoming events
The Corps must manage all the individually authorized projects in the Great Lakes Navigation System as components of a single, comprehensive system, recognizing the interdependency of ports.

The Corps shall not allocate funds solely on tonnage.

Establishes funding targets for expenditure of HMTF funds for the next 10 years.

Emerging harbors (less than 1M tons) receive no less than 10% of 2012 HMTF appropriated funds ($898M).
Water Resources Reform & Development Act (WRRDA) 2014

- WRRDA14 is an authorization bill; it provides authority or direction to the Corps, it does not provide funding.
- Funding comes from Congressional Appropriations.
- We are awaiting implementation guidance from HQ.


However, the lack of implementation guidance is not preventing HQ from meeting the intent of the WRRDA criteria related to GL funding and low use harbor funding.
Great Lakes Commercial Harbors

- Lake Superior
- Lake Michigan
- Lake Erie
- Lake Huron
- Lake Ontario

Symbols:
- >10M Ton Harbor (13)
- 1-10M Ton Harbor (17)
- <1M Ton Harbor (30)
GL Navigation Funding History
Dredging
FY15 Additional Fund Allocations

Additional Funding for Ongoing Work
- Navigation Maintenance $45M
- Deep-draft harbor and channel $165M
- Small, remote, or subsistence nav $42.5M
- Inland waterways $42M

Criteria established by Congress for allocation of national O&M funding:

- Complete ongoing work to maintain authorized widths and depths
- Particular emphasis on places with a Coast Guard presence
- Enhance national, regional, or local economic development
- Promote job growth or international competitiveness
- National defense; public health and safety
FY15 Projects Funded from Additional Funds for Ongoing Work

$6.0M Dredging
- Rouge River, MI
- Burns Harbor, IN
- Sturgeon Bay, WI
- St. Joseph Harbor, MI
- Holland Harbor, MI
- Waukegan Harbor, IL

$3.3M Soo Asset Renewal
$0.59M Chicago Lock Electrical Repair
$2.122M Fox Locks Transfer Payment

$1.2M Calumet Harbor dredged material management and shoreline protection
FY 15 Great Lakes Navigation Program

$115.7M  Great Lakes Navigation Operations & Maintenance

Key Items

$46.2M in Dredging (21 projects – 3.5M cubic yards)
$10.3M in Dredged Material Management
$8.65M in Soo Asset Renewal

$3.1M  Emergency Funding – Oct 31, 2014 Storm
Dredging – Muskegon, MI
Pier Repair – Grand Haven, MI - deferred

Total FY15 Program $118.8M
FY15 Dredging Funding and Dredging Requirements

Lake Superior

Lake Michigan

Lake Huron

Lake Ontario

Lake Erie
FY16 Corps Funding Status

- Awaiting FY16 Appropriation
- Funding based on FY16 President’s Budget at this time

If Congress passes an Appropriations Bill, additional funds could be allocated to projects across the country. Funding amounts included in House and Senate markups:

<table>
<thead>
<tr>
<th>Additional Funding for Ongoing Work</th>
<th>House</th>
<th>Senate</th>
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<tbody>
<tr>
<td>- Navigation Maintenance</td>
<td>$0M</td>
<td>$33M</td>
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<tr>
<td>- Deep-draft harbor and channel</td>
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<td>- Small, remote, or subsistence nav</td>
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<tr>
<td>- Inland waterways</td>
<td>$42M</td>
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</table>
$111.6M  Great Lakes Navigation Operations & Maintenance

Key Items
$49M in Dredging (25 projects – 3.4M cubic yards)
$8.4M in Dredged Material Management
$3.7M in Soo Asset Renewal
FY16 President’s Budget Dredging Projects
Historical Shallow Draft/Recreational Harbor Funding

# Projects Funded

Fiscal Year

- 2001
- 2002
- 2003
- 2004
- 2005
- 2006
- 2007
- 2008
- 2009
- 2010
- 2011
- 2012
- 2013
- 2014
- 2015
- 2016

Criteria for Prioritized Funding

- Harbors of Refuge
- U.S. Coast Guard Search and Rescue
- Supports Public Transportation (such as Ferry Service)
- Support Commercial Fishing (Not sport fishing)
- Commerce
- Safety
Dredged Material Management
Dredged Material Management Initiatives

- Engage state agencies and other partners and stakeholders in developing innovative long-term solutions to dredged material management challenges.

- Foster partnership with USEPA with its Great Lakes Legacy Act (GLLA) and Great Lakes Restoration Initiative (GLRI) programs to leverage funding for projects supporting both environmental goals and navigation benefits.

- Maximize the use of fill management and facility adaptation, such as routine raising of perimeter dikes and reworking the material within the facility to create additional capacity.

- Aggressively pursue opportunities for beneficially using dredged material to preserve or create CDF capacity within limits of federal rules

- Collaborate with partner agencies leveraging local and federal programs to reduce the amount of material entering federal navigation channels – sediment traps
Dredged Material Management by State
(1998 – 2014)
WRDA 2007: Construction at 100% federal expense

- Inconsistent with Administration policy due to BCR of 0.73
- Conducted a partial benefits reanalysis to determine if some benefit categories were not captured or if insufficient information was used. Completed in Dec 2014.
Economic Reevaluation Report

• The outcome of Partial Benefits Analysis in 2014 was that a level 3 Economic Reevaluation Report (ERR) is warranted as described in Civil Works Policy Memorandum 12-001
  - Economic data is > 5 yrs old

• Funding just received - $1.3M to fund the ERR

• Specialists from several Districts will be involved along with the Planning Center of Expertise for Inland Navigation (Huntington) and the Civil Works Cost Engineering MCX (Walla Walla)

• The entire ERR process is expected to take 24 months from the receipt of funds
Outreach

- Waterways Conference – Cleveland
  February 9-10, 2016

- Web Site:
  www.lre.usace.army.mil/greatlakes/navigation
  - Harbor Fact Sheets
  - Updated CDF Fact Sheets
  - Presentations

- Mailing Lists – send information to
  glnavigation@usace.army.mil