Great Lakes Navigation System
Dredging Update

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Great Lakes Navigation Team

June 3, 2015
Great Lakes Dredging Team Annual Meeting
Great Lakes Dredging Update

WRRDA 2014 – Impacts to Great Lakes Funding

Dredging
  FY15 and FY16 Program
  Recent Trends

Dredged Material Management
  Updated DMM Strategic Plan
  Trends, updated graphics
  Current DMM Status
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

### Characterization of Coastal Projects vs. Great Lakes Projects

<table>
<thead>
<tr>
<th>Category</th>
<th>Coastal Nationwide</th>
<th>Great Lakes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td># Projects</td>
<td>% Tonnage</td>
</tr>
<tr>
<td>High Use</td>
<td>59</td>
<td>90%</td>
</tr>
<tr>
<td>Moderate Use</td>
<td>100</td>
<td>9%</td>
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<tr>
<td>Low Use</td>
<td>908</td>
<td>1%</td>
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On the Great Lakes, 90% of the tonnage is captured at 2.5M tons and greater as opposed to 10M tons on the Coastal ports nationwide.
Dredging
FY15 Corps Funding Status

• Congress passed the FY15 Consolidated and Furthering Continuing Appropriations Act; enacted Dec 16, 2014.

• The FY15 Appropriations bill included FY15 President’s Budget with some adjustments, plus additional O&M funds for ongoing work – to be allocated by USACE HQ
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
- Other authorized purposes $35M

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 – 3.1M 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

Total FY15 Program $118.8M
FY 16 Great Lakes Navigation

$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
Historical Shallow Draft/Recreational Harbor Funding

<table>
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<tr>
<th>Fiscal Year</th>
<th># Projects Funded</th>
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<tbody>
<tr>
<td>2001</td>
<td>30</td>
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<tr>
<td>2002</td>
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<td>22</td>
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<td>2014</td>
<td>10</td>
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<td>2015</td>
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Dredged Material Management
Updated Dredged Material Management Strategic Plan

• Draft available on Great Lakes Navigation website
  www.lre.usace.army.mil/greatlakes/navigation

• All comments welcome; provide to:
  glnavigation@usace.army.mil

or Marie.T.Strum@usace.army.mil

By June 30, 2015
Dredged Material PCB Concentrations

Maximum concentration of total PCBs (parts per million [ppm])

- Saginaw Harbor
- Green Bay Harbor
- Buffalo Harbor
- Cleveland Harbor
- Ashtabula Harbor
Current Dredged Material Management Conditions

DREDGED MATERIAL MANAGEMENT STATUS
- Critical – Dredged Material Management issues could severely restrict channel availability within 2 years
- Pressing – Dredged Material Management issues could severely restrict channel availability within 10 years.
- No pressing issues within next 10 years; continue to work on long range planning such as DMMPs.

ANNUAL DREDGING REQUIREMENT (CY)
- 800K
- 100K – 250K
- 50K – 95K
- <50K
21st Ave W. View North
Cat Island Restoration

- Project for navigation:
  - Provides for at least 20 years of disposal capacity for maintenance dredging for the Federal channel

- Environmental benefits:
  - Re-creates the Cat Island chain (274 acres)
  - Restoration of Pete’s Marsh and Duck Creek Delta Wetland, providing 1,440 acres of wetland wildlife refuge
Dredged Material Management Initiatives

- 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.

- Collaborate with partner agencies leveraging local and federal programs to reduce the amount of material entering federal navigation channels.

- 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.
Outreach

- **Web Site:**
  www.lre.usace.army.mil/greatlakes/navigation
  - Updated Dredged Material Management Strategic Plan
  - Harbor Fact Sheets
  - Updated CDF Fact Sheets
  - Presentations

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