Great Lakes Dredging Program 2014-2015

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Great Lakes Navigation Team

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Federal Projects on the Great Lakes

A non-linear navigation system with 60 federal commercial projects and 80 federal shallow draft/recreational projects.
Trends/Key Issues

Interdependent Ports

- Total Tonnage for 8 Harbors: 95.8M tons

- System Approach gaining traction
- WRRDA/HMTF provisions
- Appropriations – "Additional Funds for Ongoing Work"
- Increasing use of contributed funds
FY 13 Accomplishments
Great Lakes Navigation

$85.9M  Great Lakes Navigation O&M

Key Items in FY13 Budget
$31.0M in Dredging (15 projects - 2.4M cubic yards)
$12.0M in Dredged Material Management
$3.1M in Soo Asset Renewal

No Appropriation from Congress – Year Long Workplan
Modest decreases – 1-10% due to sequestration
Additional funding for emergency dredging at Saginaw
No other additional projects funded with Corps regular budget

Hurricane Sandy added 22 dredging, 7 structure repair projects; 7 State of MI funded dredging
FY 14 Great Lakes Navigation O&M

$94.9M  Great Lakes Navigation Operations & Maintenance

Key Items in FY14 Appropriation
$39.9M in Dredging (18 projects – 3.1M cubic yards)
$10.6M in Dredged Material Management
$1.6M in Soo Asset Renewal

Additional Funding for Ongoing Work
- Navigation Maintenance $ 25.72M
- Deep-draft harbor and channel $ 128M
- Inland waterways $ 42M
- Small, remote, or subsistence nav $ 40M
FY14 Corps Funding Additional Allocation

- Final allocation was announced on March 4. $23M was applied to Great Lakes Navigation projects.
  - Dredging: $13.8M additional funds for dredging
    - 12 new projects, 6 projects received additional funds (FY14 total – 30 projects, $54M)
  - Soo Locks Asset Renewal  $5.5M
  - Chicago Lock – gate winches $853K
  - Black Rock Lock – gate rehab $1.1M
  - Port Washington structure repair $950K
## Named Projects in FY14 Appropriation
### Dredging Funding

<table>
<thead>
<tr>
<th>Duluth-Superior</th>
<th>Sandusky</th>
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<tbody>
<tr>
<td>Green Bay</td>
<td>Cleveland</td>
</tr>
<tr>
<td>Calumet</td>
<td>Buffalo</td>
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<tr>
<td>Indiana Harbor</td>
<td>Fairport</td>
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<tr>
<td>Holland</td>
<td>Lorain</td>
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<td>Grand Haven</td>
<td>Waukegan</td>
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<td>Saginaw River</td>
<td>Burns</td>
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<tr>
<td>Detroit River</td>
<td>Monroe</td>
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<td>Toledo</td>
<td>St. Marys River</td>
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Red text projects received additional funding
## FY 14 Additional Dredging Funding

<table>
<thead>
<tr>
<th>Location</th>
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<tbody>
<tr>
<td>Black River, Port Huron, MI</td>
<td>La Pointe</td>
</tr>
<tr>
<td>Cheboygan</td>
<td>Leland</td>
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<tr>
<td>Erie</td>
<td>Manitowoc</td>
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<tr>
<td>Huron</td>
<td>Menominee</td>
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<tr>
<td>Irondequoit Bay</td>
<td>Rochester</td>
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<tr>
<td>Kewaunee</td>
<td>St. Joseph</td>
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FY 15 Funding
Great Lakes Navigation

$102.5M Great Lakes Navigation President’s Budget O&M

Key Items in FY15 President’s Budget
- $39.2M in Dredging (16 projects - 2.7M cubic yards)
- $9.8M in Dredged Material Management
- $5.35M in Soo Asset Renewal

- FY15 GL Navigation O&M President’s Budget is 28% greater than the FY12 President’s Budget
ST. MARYS RIVER DREDGING AREAS

- Scattered areas at less than 29.5 ft
- Currently clear to 30 ft
- Currently clear to 29.5 ft

Courses:
- Course 3 Little Rapids Channel
- Course 5 West Neebish Channel
- Course 6 West Neebish Channel
- Course 8 West Neebish Channel

Locations:
- Bayfield Channel
- Sugar Island
- Neebish Island
- Ontario
- Sault Ste. Marie
Dredging Funding Trends 2007 - 2015

- Appropriation - Add'l Funds for Ongoing Work
- ARRA (Stimulus)
- L. Superior Regional Provisions
- Michigan Regional Provisions
- Commercial Regional Provisions
- Energy & Water Adds
- President's Budget

3.3M Annual Req'mt

Quantity Dredged (millions of cubic yards)

FY07 FY08 FY09 FY10 FY11 FY12 FY13 FY14 FY15
Dredging Backlog Grows to 20M CY by 2020

Assume FY15-FY20 Ann. Dredging Equal to FY14PB Level of 3.1M CY
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
Dredged Material Management Initiatives

Initiatives underway to reduce requirements/increase efficiencies:

✓ Leverage EPA funding from **Legacy Act and GLRI** (both dredging and dredged material management)

✓ Work with states and local sponsors on finding beneficial uses of dredged material and reuse for CDF material

✓ Work with states on acceptability of testing protocols for open lake placement
Changes in Great Lakes Evaporation by Decade

Notes:
*Data used to estimate the 2010's decade is provisional data from 2010 - 2012.
**Water temperature data is a combination of modeled and observed water surface temperatures.
6 MAR 14 – 92.2% ice coverage
Most severe since 1979
Communication

- Great Lakes Brochure
- Web Site:  
  www.lre.usace.army.mil/greatlakes/navigation
  - Fact Sheet Books available/updated on website
  - Presentations
- Mailing Lists – send information to glnavigation@usace.army.mil
Questions?
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