

# Great Lakes Navigation Stakeholder Meeting

## Shallow Draft Harbor Needs & Issues

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U.S. Army Corps of Engineers  
Great Lakes Navigation  
Business Line Manager

March 17, 2014



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US Army Corps of Engineers  
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# Meeting Agenda

**Welcome; Introductory Remarks**

**LTC Rob Ells**

**Self introduction of all participants**

**All**

**Shallow Draft Harbor Funding & Needs**

**Mike O'Bryan**

- **Funding Process and Trends**
- **2013 Accomplishments**
- **2014 Program Summary**
- **2015 President's Budget**
- **Funding Alternative**
- **Stakeholder Involvement**

**Great Lakes Small Harbor Coalition**

**Chuck May**

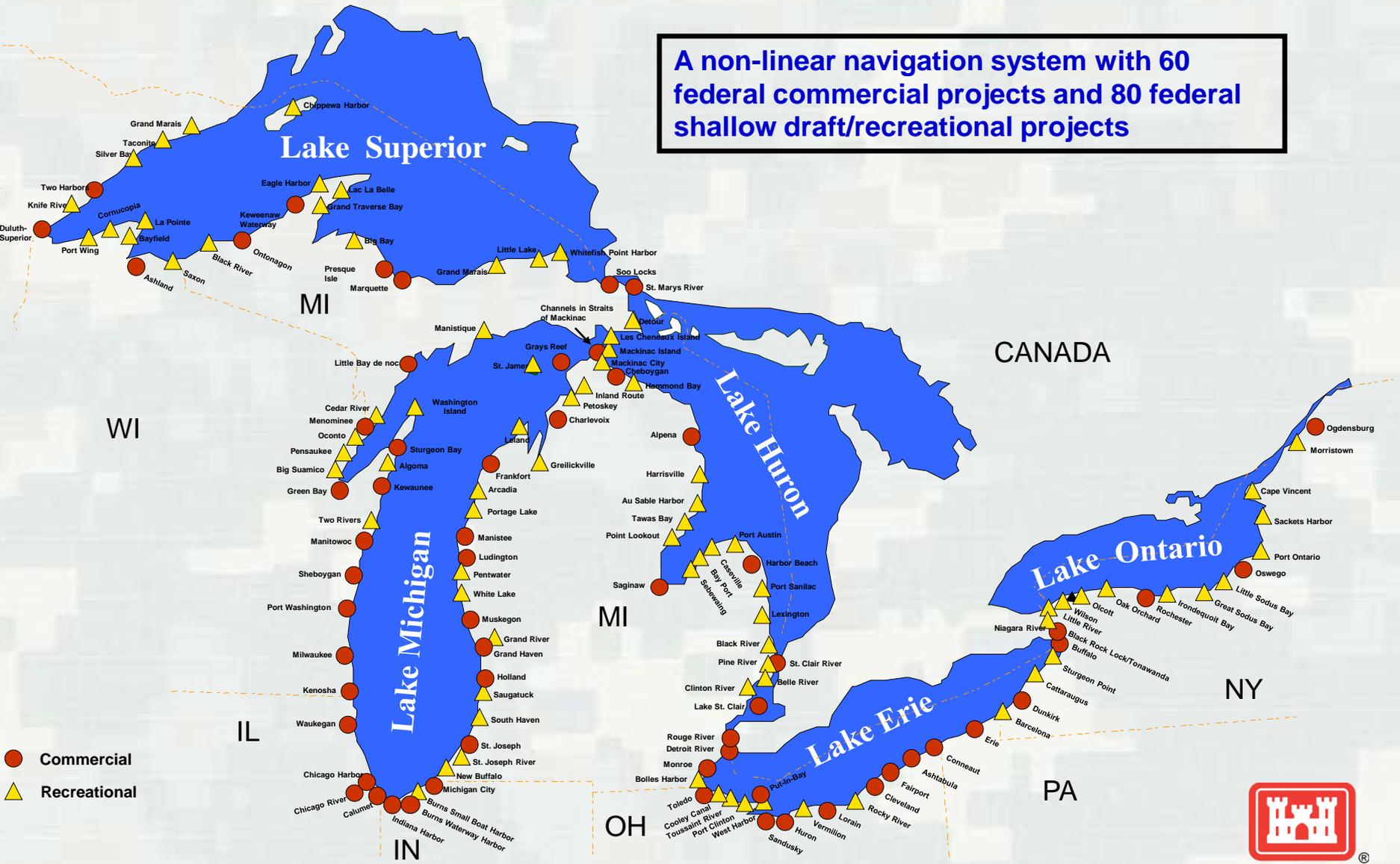
**Stakeholder Feedback—Open Discussion**

**All**



# Federal Projects on the Great Lakes

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



# Federal Budget Process

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- The Corps submits budget requests for all federal harbors (commercial and recreational) with operation & maintenance needs
- With the limited funding available, operations and maintenance funding for deep draft navigation projects usually takes priority over shallow draft/recreational harbors
- Subsistence harbors and harbors that support commercial transportation, commercial fishing or the US Coast Guard are budgetable but typically come at a lower priority than commercial harbors



# FY 13 Funding

## Great Lakes Navigation

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\$85.9M Great Lakes Navigation President's Budget O&M

### Key Items in FY13 President's 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



# FY 13 Funding

## Shallow Draft/Recreational Harbors

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### Hurricane Sandy funds

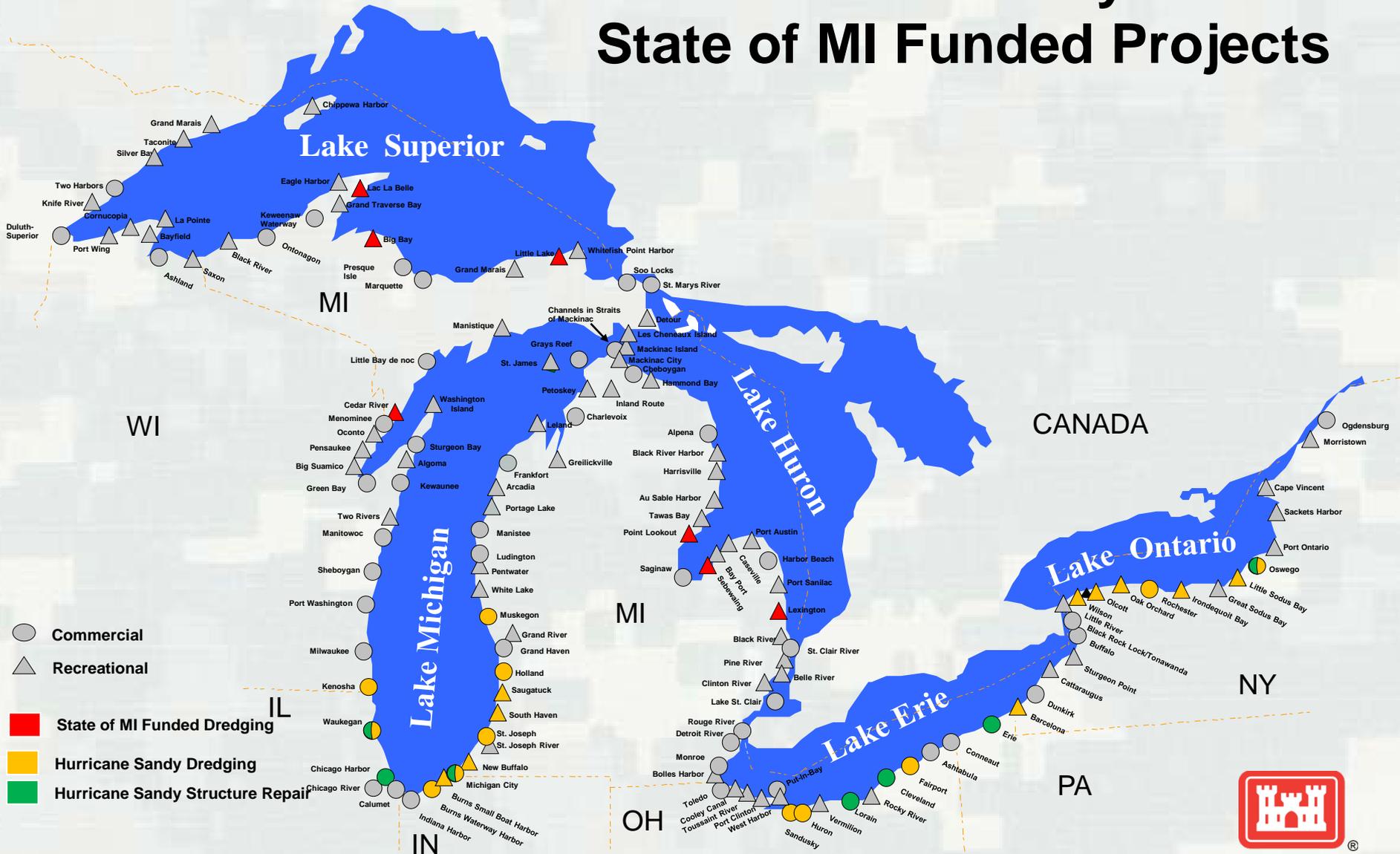
- Approx \$13M for 22 dredging projects (12 shallow draft/recreational projects)
- Approx \$48M in 10 structure repair projects (1 shallow draft/recreational)

### State of MI Contributed Funds

- \$5M to the Corps to dredge 7 harbors
- State funded dredging for over 40 additional harbors directly to the communities.



# Hurricane Sandy and State of MI Funded Projects



# FY14 Corps Funding Status

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- Congress passed the FY14 Consolidated Appropriations Act; enacted Jan 17, 2014.
- The FY14 Appropriations bill included FY14 President's Budget plus additional O&M funds for ongoing work allocated by USACE HQ.



# FY 14 Great Lakes Navigation O&M

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\$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 Additional Funding Criteria

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- 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



# FY14 Corps Funding Additional Allocation

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- 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
  - Soo Locks Asset Renewal \$5.5M
  - Port Washington structure repair \$950,000



# Named Projects in FY14 Appropriation Dredging

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Duluth-Superior

Green Bay

Calumet

Indiana Harbor

Holland

Grand Haven

Saginaw River

Detroit River

Toledo

Sandusky

Cleveland

Buffalo

Fairport

Lorain

Waukegan

Burns

Monroe

St. Marys River

Red text projects received additional funding



# FY 14 Additional Funding Shallow Draft/Recreational Projects

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## Dredging

Black River, Port Huron, MI

Cheboygan

Erie

Huron

Irondequoit Bay

Kewaunee

La Pointe

Leland

Manitowoc

Menominee

Rochester

St. Joseph

## Structure Repair

Port Washington



# FY14 Dredging Funding and Dredging Requirements



# FY 15 Funding

## Great Lakes Navigation

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\$102.5M Great Lakes Navigation President's Budget O&M

### Key Items in FY15 President's Budget

\$39.2M in Dredging (17 projects - 2.7M cubic yards)

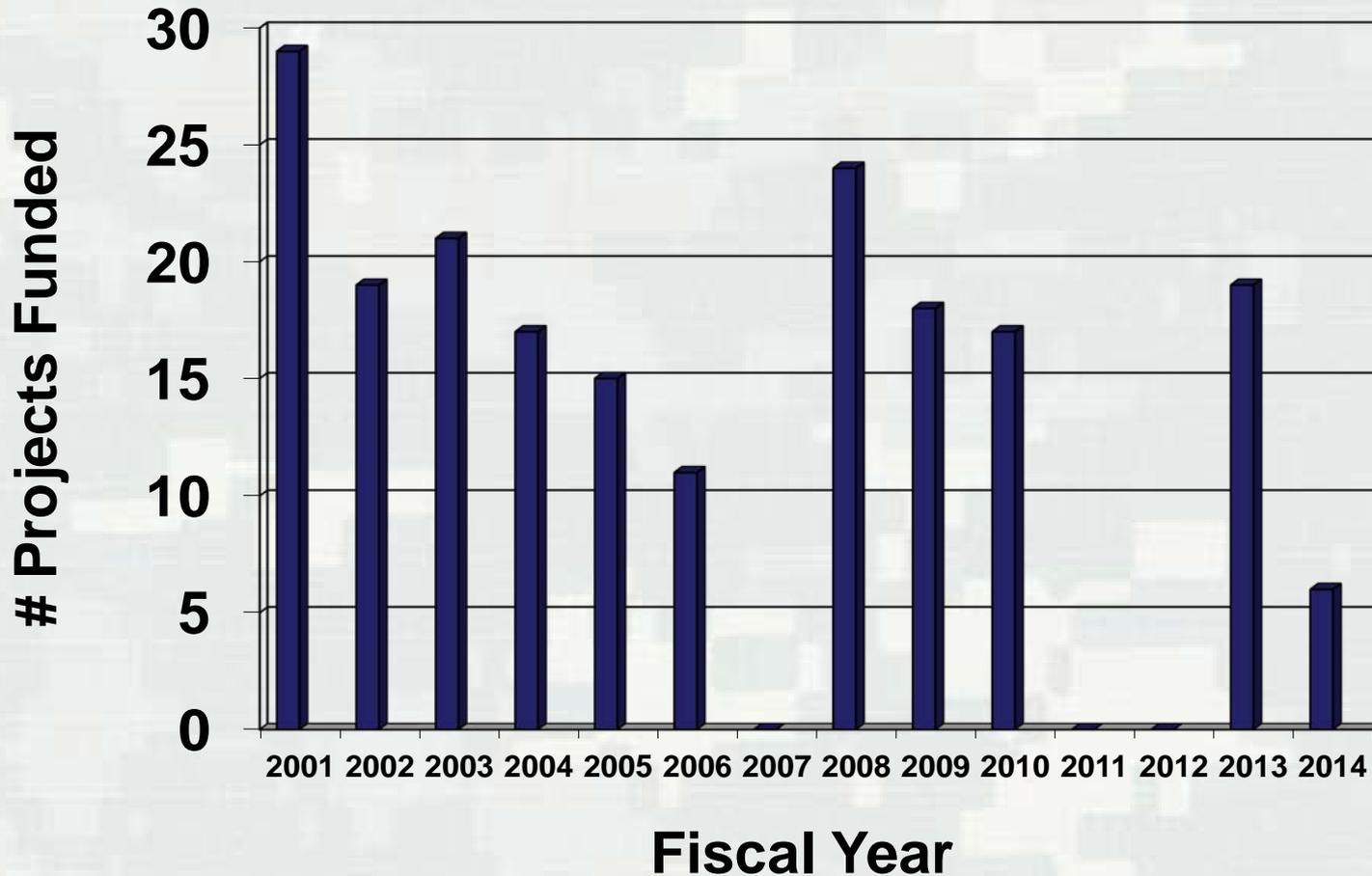
\$9.8M in Dredged Material Management

\$5.35M in Soo Asset Renewal

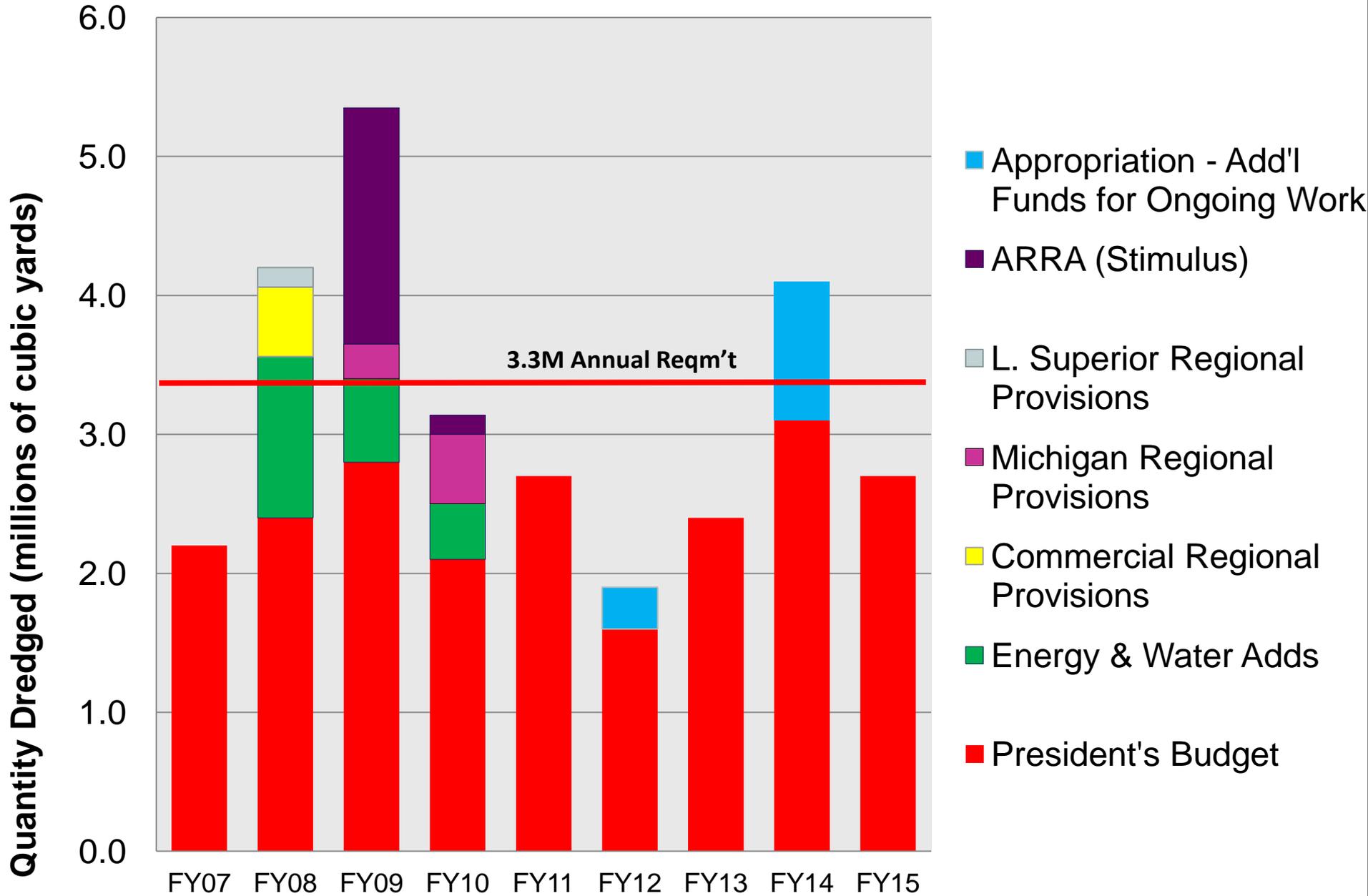
- FY15 GL Navigation O&M President's Budget is 28% greater than the FY12 President's Budget



# Historical Shallow Draft/Recreational Harbor Funding



# Dredging Funding Trends 2007 - 2015



# Alternatives to Corps funded dredging

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- There are two primary methods for local communities to accomplish dredging outside of the traditional Corps dredging process:
  - Local community signs an agreement with the Corps to provide funding to the Corps and the Corps accomplishes the dredging including design, contractor acquisition, and dredging quality assurance.
  - Local community obtains a permit from the Corps and the state. The Corps will grant a permit good for 10 years. Must check state requirements.



# Great Lakes Water Levels



# Water Levels on Great Lakes

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- All of the Great Lakes are currently above their water levels of a year ago.
- Heavy snowpack on the upper lakes are expected to produce higher than average water level rises this spring/summer on the upper lakes. Expect normal seasonal rise on the lower lakes.
- Spring 2014 water levels on Lake Superior could reach or exceed average, something that has not occurred since April of 1998.
- Levels on Lakes Michigan and Huron are expected to range from 9 to 13 inches below average but 9 to 12 inches above the levels of a year ago.
- Lakes Erie and Ontario are expected to remain near long-term average over the next 6 months
- Heavy ice cover and cold water temperature on all the lakes could lead to colder water in the fall and could result in lower evaporation rates.



# Harbor Fact Sheets are Key Communication Tool

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- Identifying the economic and social impacts related to maintaining the authorized project – jobs, local and regional economic impacts
- Identify other critical factors – subsistence harbor, support to Coast Guard, what infrastructure protects
- Project requirements – Dredging and structural repair needs



# Harbor Fact Sheets



US Army Corps  
of Engineers.



## New Buffalo Harbor, MI

### Harbor Features

- Located at the mouth of the Galien River on the southeast shore of Lake Michigan in Barrien County, about 45 miles east of Chicago, IL.
- Authorization: River & Harbor Act of 1962
- Shallow draft recreational harbor
- Project depths are 10 feet in the entrance channel and 8 feet in the inner channel
- Approximately 2,100 feet of maintained Federal channel
- More than 2,000 feet of breakwaters
- Dredged material is placed along the beach as beach nourishment
- Major stakeholders include the Michigan DNR, Galien Marina, the Michigan Boating Industries Association, Dunewood Condo Association, South Cove, Harbor Landings Condo Association, Harbor Pointe Shores Association, Lake Michigan Yacht Club, Light House Landings, The Moorings Condo Association, New Buffalo Yacht Club, Oselka's Smug Harbor, and Pleasure Island Marina.



### Project Requirements

- Approximately 10,000 cubic yards of material must be dredged on a 1 to 2 year cycle; the harbor was last dredged in 2012 by the City of New Buffalo.
- Maintenance dredging was completed in 2013 using Hurricane Sandy relief funds to remove shoaling that occurred in the Fall of 2012 due to that storm event.

### Consequences of Not Maintaining the Project

- Loss of recreational and charter fishing in the area

### Transportation Importance

- This project serves as an important Harbor of Refuge and supports charter fishing and recreational navigation interests.
- The local community has established a significant infrastructure around the harbor facilities that generates income from harbor users and visitors to the area.
- Supports 1,058 recreational boat slips

March 2014

## U.S. Army Corps of Engineers Fiscal Year (FY) 2013, 2014 and 2015 New Buffalo Harbor, MI - Project Requirements and President's Budget (\$1,000)

Work Package	FY13 Requirement	FY13 Allocation	FY14 Requirement	FY14 Appropriation	FY15 Requirement	FY15 President's Budget	Sandy Supplemental Funding
Project Condition Surveys	20				20		
Maintenance Dredging - Primary Work Package	250				250		270
<b>TOTALS</b>	<b>270</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>270</b>	<b>0</b>	<b>270</b>

### Congressional Interests

- Representative Fred Upton R-MI-6
- Senator Carl Levin D-MI
- Senator Debbie Stabenow D-MI

March 2014

# Stakeholder Involvement

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- ✓ We need your input on critical system requirements at your harbor or project
- ✓ Operations Chiefs from each District are available any time to discuss your particular issues and concerns
- ✓ Webpage is an important mode of communication: meetings, presentations, fact sheets
- ✓ Updated Fact Sheets with FY14 appropriation and FY15 President's Budget are on our website
- ✓ Annual Great Lakes Navigation Stakeholder meeting April 9

[www.lre.usace.army.mil/greatlakes/navigation](http://www.lre.usace.army.mil/greatlakes/navigation)



# Key Great Lakes Contacts

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GL Navigation Business Line Manager

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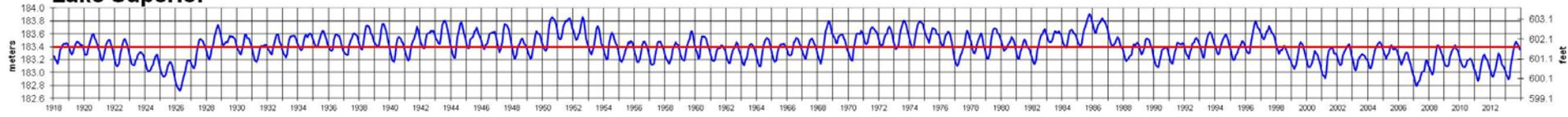


# Questions?

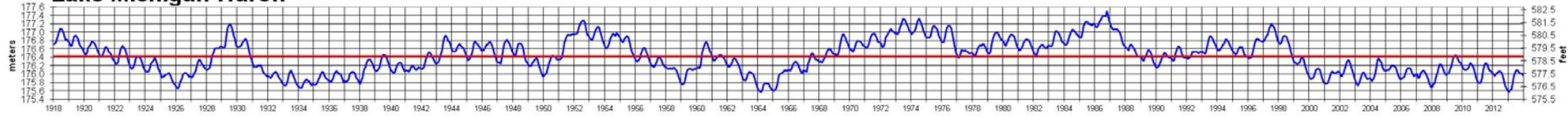


# Period of record of Great Lakes water levels (1918-2013)

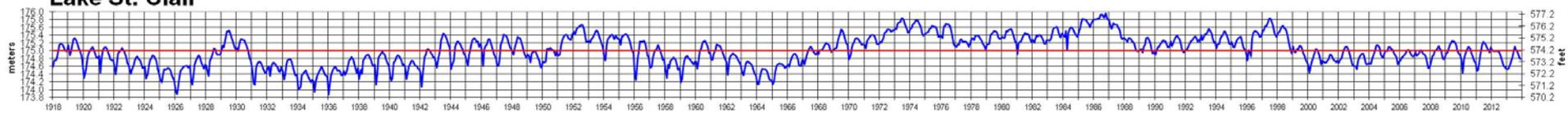
### Lake Superior



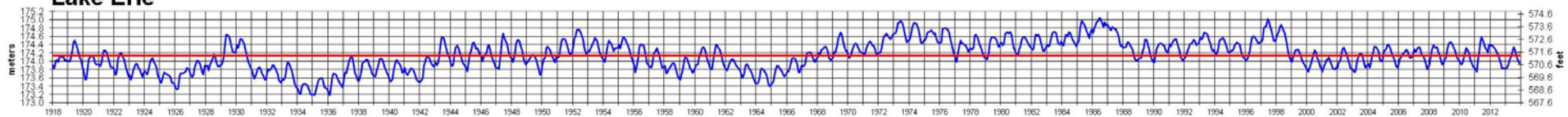
### Lake Michigan-Huron



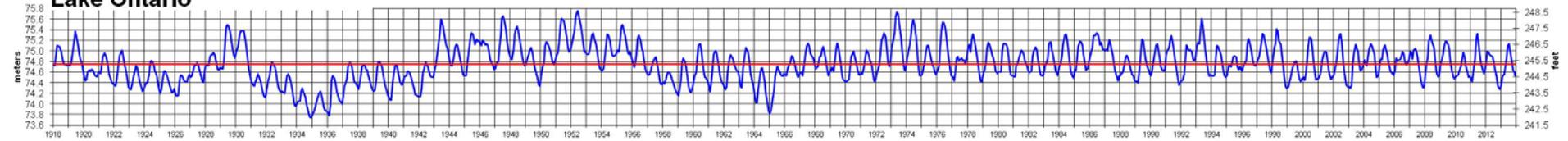
### Lake St. Clair



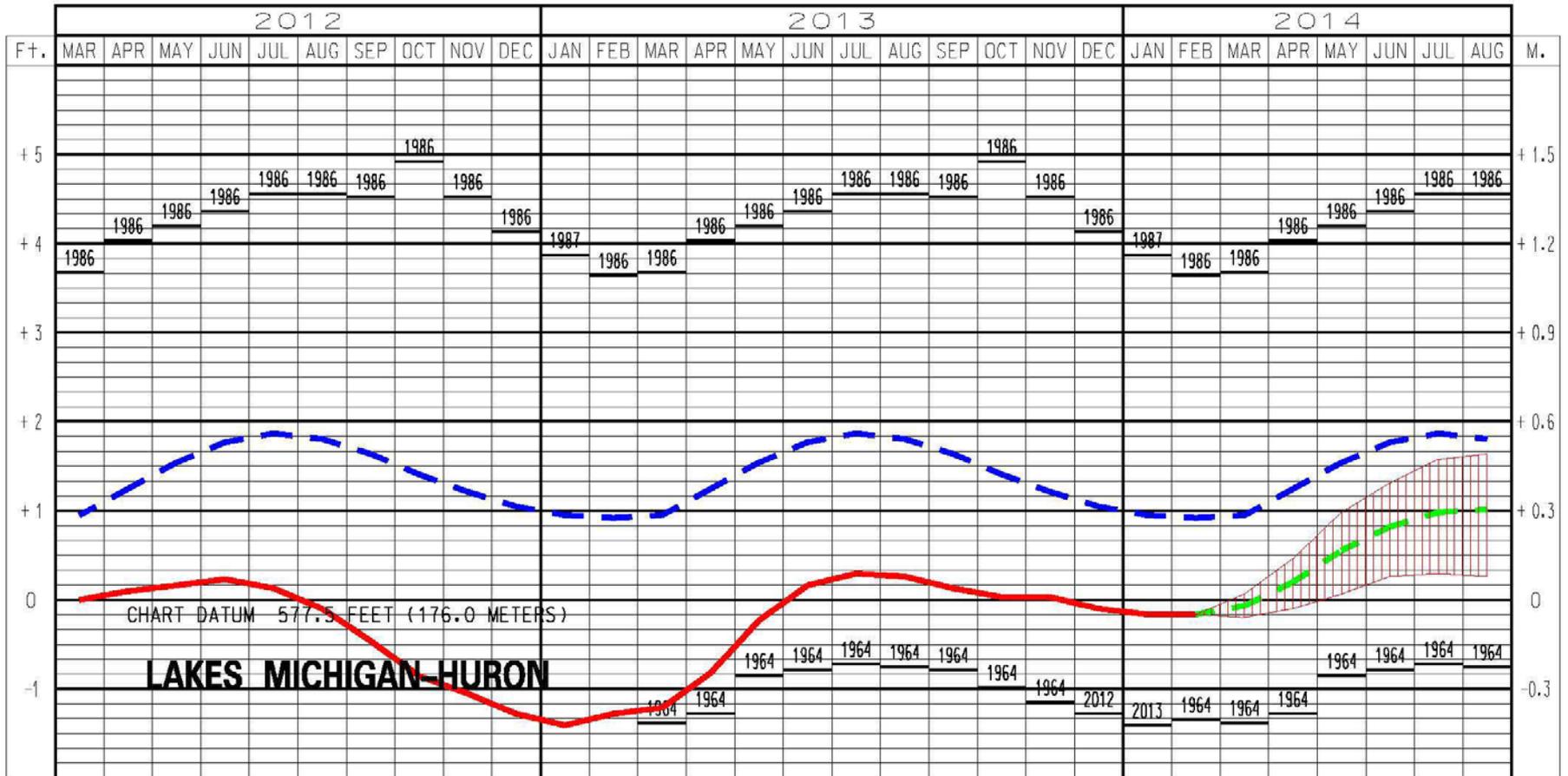
### Lake Erie



### Lake Ontario



# LAKES MICHIGAN-HURON WATER LEVELS - MARCH 2014

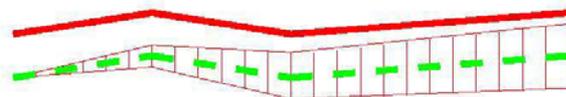


## LEGEND

LAKE LEVELS

RECORDED

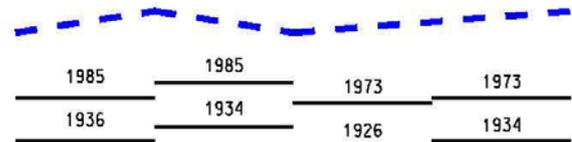
PROJECTED



AVERAGE \*\*

MAXIMUM \*\*

MINIMUM \*\*



\*\* Average, Maximum and Minimum for period 1918-2013

