Center for Operational Oceanographic Products and Services

2010 Planned Activities

Mike Szabados, Director

“Turning operational oceanographic data into meaningful information for the Nation”

Ludington Lighthouse, Michigan
HSRP Most Wanted- Recommendation #1

“Aggressively Map the Nation’s Shorelines and Navigationally Significant Waters.”
Planning for IGLD Update

- IGLD is the vertical reference system used to standardize elevation measurements around the Great Lakes
- A collaboration between:
  - Center for Operational Oceanographic Products and Services (CO-OPS)
  - National Geodetic Survey (NGS)
  - Canada
- Isostatic rebound from the retreat of the glaciers results in movement of the earth’s crust. The rate is not uniform over the Great Lakes
HSRP Most Wanted - Recommendation #2

“Integrate Coastal Mapping Efforts and Ensure Federally Maintained Channels, Approaches, and Anchorages Are Surveyed to the Highest Standard.”
HSRP Most Wanted - Recommendation #2

“Integrate Coastal Mapping Efforts and Ensure Federally Maintained Channels, Approaches, and Anchorages Are Surveyed to the Highest Standard.”

NGS and CO-OPS Collaborative Effort
Supporting US Army Corps Of Engineers
Supporting the National Vertical Reference System

- Develop a datum guidance Engineering Manual
- Develop datum training modules
- Assisting in developing certification procedures for district datum coordinators
HSRP Most Wanted- Recommendation #3

“Modernize Heights and Implement Real-time Water Level and Current Observing Systems in All Major Commercial Ports.”
HSRP Most Wanted - Recommendation #3

“Modernize Heights and Implement Real-time Water Level and Current Observing Systems in All Major Commercial Ports.”

NWLOON Expanded to 210 Stations in 2009

Updating Infrastructure in the Great Lakes:
- 5 locations completed as of FY09
- 2 locations FY10
HSRP Most Wanted- Recommendation #3

“Modernize Heights and Implement Real-time Water Level and Current Observing Systems in All Major Commercial Ports.”

Updating Tidal Current Predictions

FY10

- Long Island Sound, NY (38)
- Dutch Harbor, AK (Unimak, Akutan) (22)
- Glacier Bay and Cross Sound, AK (11)
Physical Oceanographic Real-Time System®
PORTS®

FY 2010 Expansion
- New London (21 PORTS®)

FY 2009
- Lake Charles
- Lower Mississippi
HSRP Most Wanted- Recommendation #3

“Modernize Heights and Implement Real-time Water Level and Current Observing Systems in All Major Commercial Ports.”
HSRP Most Wanted - Recommendation #4

“Strengthen NOAA’s Navigation Services Emergency Response and Recovery Capabilities.”
Preparing for Extreme Events

National Water level stations upgraded with Meteorological Sensors:

- 165 stations by end of FY2009
- Additional 29 in FY2010
- A total 194 stations of the 210 water level stations will have met

HSRP Most Wanted - Recommendation #4

“Strengthen NOAA’s Navigation Services Emergency Response and Recovery Capabilities.”

Ludington Lighthouse, Michigan
HSRP Most Wanted- Recommendation #5

“Disseminate NOAA’s Hydrographic Services Data and Products to Achieve Greatest Public Benefit.”
HSRP Most Wanted- Recommendation #5

“Disseminate NOAA’s Hydrographic Services Data and Products to Achieve Greatest Public Benefit.”

Enhanced *Sea Levels Online* Web Product
HSRP Most Wanted- Recommendation #5

“Disseminate NOAA’s Hydrographic Services Data and Products to Achieve Greatest Public Benefit.”

National Survey of Customer Satisfaction

A National Survey was conducted by CFI Group to measure customer satisfaction of CO-OPS’ Products and Services

Goals
- Measure customer satisfaction with current products and services
- Gain insight for future areas of focus

Summary Findings
CO-OPS score of 82.1 is significantly higher than the Federal Government American Customer Satisfaction Index score of 68.9.

Accuracy and timeliness are repeatedly the highest scoring attributes of CO-OPS products and services.
**CO-OPS Budget**

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**Use of Stimulus (ARRA) funds**

- $1,882K - 3 year contract to develop a system to allow external users to access CO-OPS computers and standardized algorithms via the internet in order to submit water level data sets and associated metadata, conduct quality control, and generate a wide array of water level derived products

- $346K - 2 year contract to support processing of additional hydrographic data collected by Coast Survey contractors