National Ocean and Coastal Mapping Inventory Workshop
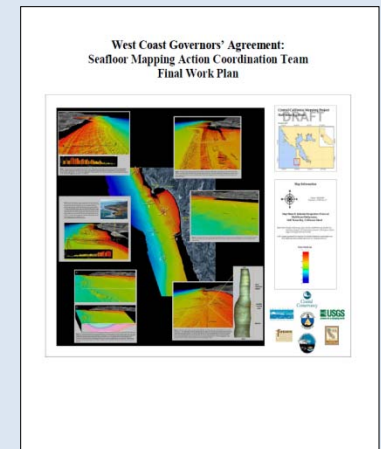## *12-13 January 2011*
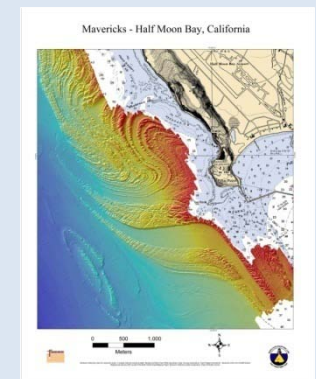
Roger L. Parsons
NOAA IOCM Coordinator
Co-chair, IWG-OCM

West Coast Governors' Agreement:
Seafloor Mapping Action Coordination Team
Final Work Plan

National OCM Inventory

What has transpired since the 2007 Inventory Workshop?

- *Ocean and Coastal Mapping Integration Act of 2009*
- *Interagency Ocean Policy Task Force – National Ocean Policy*
- *Coastal and Marine Spatial Planning*
- *Federal budget realities – serious resource constraints*
- *The need for a National OCM Inventory is more critical in 2011*

Mavericks - Half Moon Bay, California

National OCM Inventory

U.S. Ocean Action Plan (December 2004)

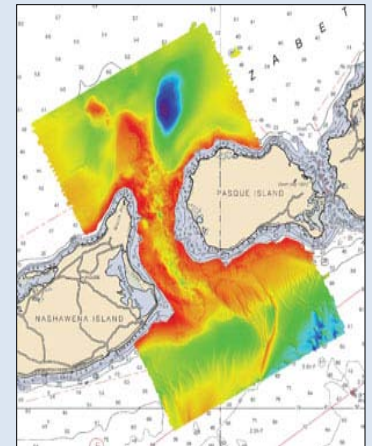*Coordinate Federal and Federally-funded ocean and coastal mapping activities through JSOST*

• Develop an annual inventory of Federal, Federally-funded and non-Federal ocean and coastal mapping and charting programs, Operations, and prioritized needs

• Develop shared and standardized mechanisms for processing, archiving and distributing geospatial data, tools, products and services

Interagency Working Group On
Ocean And Coastal Mapping

National OCM Inventory

Ocean and Coastal Mapping Integration Act (March 2009)

Develop an inventory of ocean and coastal mapping data within the territorial sea and the exclusive economic zone and throughout the Continental Shelf of the United States, noting the age and source of the survey and the spatial resolution (metadata) of the data .

Interagency Working Group On
Ocean And Coastal Mapping

National OCM Inventory

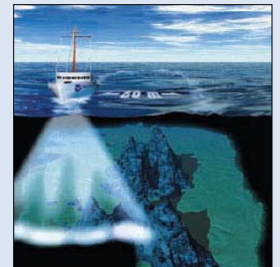## *IWG-OCM Inventory Workshop (Sept 2007) - Objectives*

Review existing agency and interagency data management tools.

Establish requirements for a comprehensive data inventory.

Develop a design for the proposed inventory, including alternative strategies for development and implementation.

Identify agency resources available for development and implementation.

Recommend an implementation program, including timelines and priorities, with the objective of rapidly implementing the inventory framework consistent with future expansion and enhancement.

Interagency Working Group On
Ocean And Coastal Mapping

National OCM Inventory

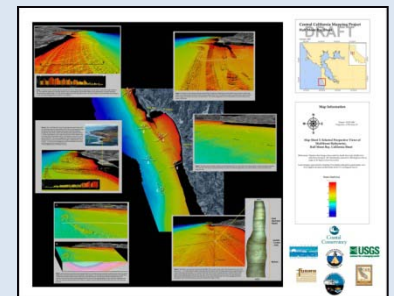***<u>IWG-OCM Inventory Workshop (Sept 2007)</u> – Why an Inventory?***

No readily accessible registry of inventory of ocean and coastal mapping data and metadata

Need to avoid duplication of data acquisition efforts (resource issue)

Need an interagency approach

Need a single portal to leverage agency resources and capacities

Need a tool for planning purposes

National OCM Inventory

IWG-OCM Inventory Workshop (Sept 2007) *– Key User Requirements*

Authoritative data (but not required)
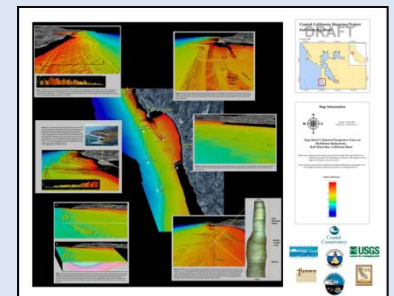
FGDC-compliant metadata and quality control standards

Easy access and Web-based

Search capability: key word and geographic/spatial

Where are data being collected and by whom (tool for partnerships)

Evaluation or review by users

Initially focus on framework/priority data sets

Interagency Working Group On
Ocean And Coastal Mapping

National OCM Inventory

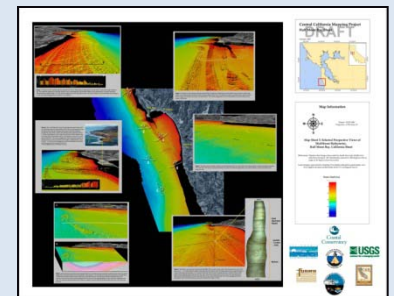## IWG-OCM Inventory Workshop (Sept 2007) – Conclusions

OCM Inventory should be built using Geospatial One-Stop

Establish an OCM Inventory Project Management Team to implement the project

Establish required technical teams

Develop a plan of action and milestones

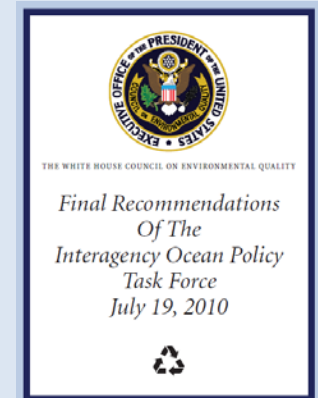*Sell the OCM Inventory to the Federal agencies – get agencies involved!*

National OCM Inventory

<u>National Ocean Policy/National Priority Objectives</u>

Ocean, Coastal, and Great Lakes Observations, Mapping and Infrastructure: *Strengthen and integrate Federal and Non-Federal Ocean observing systems, sensors, data collections platforms, <u>data management, and mapping capabilities</u> into a national system and integrate that system into international observation [and mapping] efforts.*

This Priority Objective supports other priority objectives:
- *Ecosystem-based Management*
- *Coastal and Marine Spatial Planning*
- *Regional Ecosystem Protection and Restoration*
- *Resiliency and Adaptation to Climate Change*

THE WHITE HOUSE COUNCIL ON ENVIRONMENTAL QUALITY

Final Recommendations Of The Interagency Ocean Policy Task Force July 19, 2010

Interagency Working Group On **Ocean And Coastal Mapping**

National OCM Inventory

2010 IWG-OCM Report to Congress

"Federal OCM agencies are developing an integrated and publically – accessible national inventory built on the continually updated web services of the primary federal data repositories.

The combined inventory will integrate the individual web services developed at and maintained by the data repositories, utilizing common terminology.

The national inventory service will show the geographic coverage for data in the repositories and provide metadata …….to obtain further information and download the data.
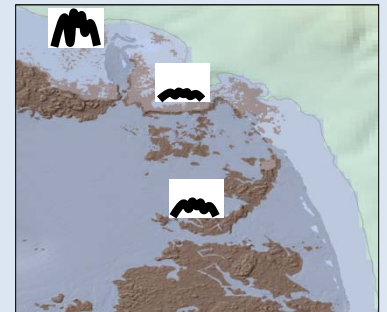
National OCM Inventory

2010 IWG-OCM Report to Congress

The integrated service will dynamically reflect changes in the repositories as they occur.

It will be standards-based to be sustainable and adapt to changes in technology."

Interagency Working Group On
Ocean And Coastal Mapping

National OCM Inventory

IWG-OCM Inventory Workshop (Sept 2011)
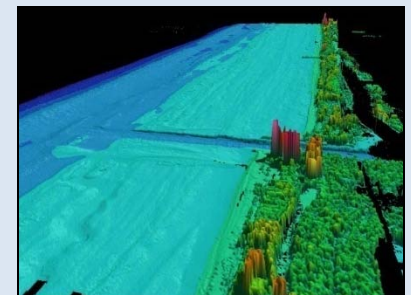
Measures of workshop success:

Understand various OCM data discovery and delivery activities

Understand lessons learned from the IWG-OCM efforts to develop National
    OCM Inventory

*Identify the gaps needed to be addressed and partnerships with data
discovery and delivery activities needed to address these gaps*

*Define a framework and identify the resources for moving
forward ⟶ Inventory Technical Workshop*

Interagency Working Group On
Ocean And Coastal Mapping

National OCM Inventory

National Ocean and Coastal Mapping Inventory Workshop – "The Way Forward"

<u>Wednesday 12 January</u>

0830   Arrival and Coffee

0900   Welcome (Sue McLean, NOAA)

0915   Introduction, 2011 Workshop Goals and Objectives, 2007 Workshop Results, and OCM Inventory Background (Roger Parsons, NOAA)

1000   IWG-OCM Inventory Project – Progress and Lessons Learned (Fran Lightsom, USGS)

1030   Break

1045   Data.gov and Geospatial One-Stop (Rob Dollinson, USGS)

1115   National Information Management System and Coastal and Marine Spatial Planning Data Portal (Mary Boatman, NOC)"

1200   Lunch Break (off-site)

1330   The National Map (Rob Dollinson, USGS)

1400   NSF/UNOLS Rolling Deck to Repository Program (Bob Arko, LDEO) *

1430   Multipurpose Marine Cadastre and Digital Coast (Josh Murphy, NOAA)

1500   Facilitated Discussions:

- Do we understand the goals, approach and past efforts of the IWG-OCM to develop a National OCM Inventory? Are these efforts working? If not, why and what needs to be changed?
- Are there gaps, areas of overlap and/or opportunities for coordination between the major efforts presented today? If so, what features of these efforts and approaches being taken may be useful in the development of the OCM Inventory?
- Are there other data systems, including specific regional systems, which we should also consider as potential partners?

1700   Final Thoughts for the Day - Adjourn

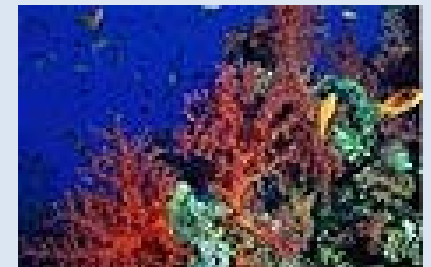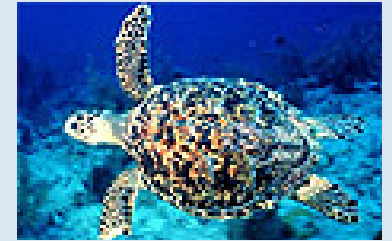1830   Dinner at Boulder Restaurant

* Remote Presentation

Interagency Working Group On
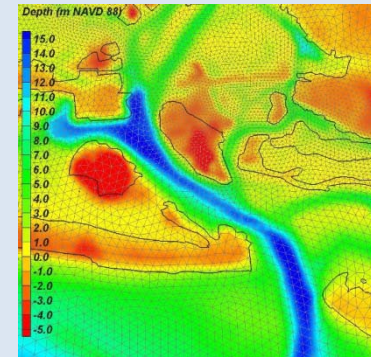**Ocean And Coastal Mapping**
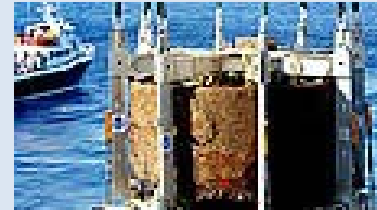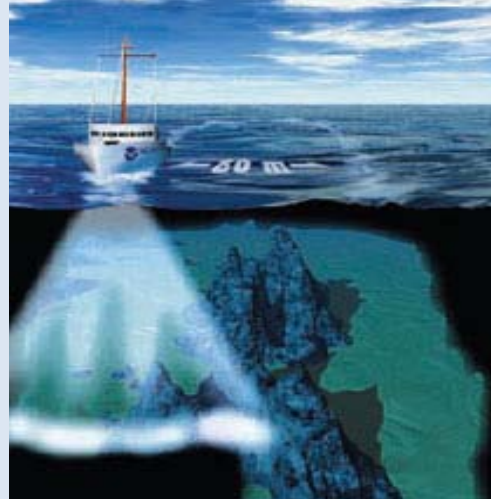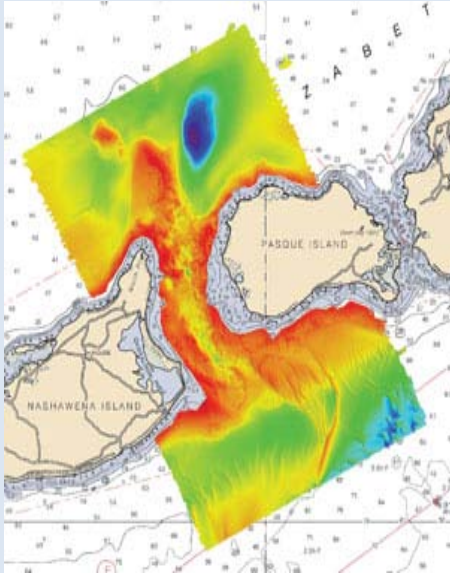
National OCM Inventory

National Ocean and Coastal Mapping Inventory Workshop – "The Way Forward"

Thursday, 13 January

0800   Arrival and Coffee

0830   Recap of Day 1 Discussions (Roger Parsons, NOAA)

0845   National Oceanographic Data Center Repository (Don Collins, NOAA) *

0915   National Geophysical Data Center Repository (Sue Mclean, NOAA)

0945   Joint Airborne LIDAR Bathymetry Technical Center of Expertise (JALBTCX) Topo/Bathy Data (Charlene Sylvester, USACE)

1015   Break

1030   National Archive of Marine Seismic Surveys (Jon Childs, USGS) *

1100   NOAA Coastal Imagery (Chris Parrish, NOAA) *

1145   Lunch Break (On-site Delivery)

1300   Earth Resources and Science (EROS) Center Repository (Gayla Evans, USGS) *

1330   Facilitated Discussions:

- Have we identified the major repositories for OCM framework data types?
- Do we understand the capabilities of and services offered by these repositories? What characteristics of these repositories need to be considered in developing the OCM Inventory?
- Are there major gaps in OCM data stewardship and services in light of the previous days' presentations and can these gaps be addressed with or without new resources?
- Are the OCM framework data layers sufficient to meet near-term needs of emergent requirements (e.g., CMSP)? If not, how should this gap be addressed?
- What are the next steps in moving forward in a coordinated fashion in the development of the OCM Inventory and who needs to be involved?

1600   Final Thoughts (Fran Lightsom, Sue Mclean and Roger Parsons) - Adjourn

* Remote Presentation

Map once, use many times

Spare Slides

National OCM Inventory

IWG-OCM Inventory Workshop (Sept 2011) - Objectives

Review requirements to develop a National OCM Inventory.

Review the goals, objectives and efforts that sprang from the Sept 2007 workshop, progress to date and lessons learned.

Review the holdings, capabilities and roles of the primary OCM repositories.

Review existing or developing OCM data discovery and delivery activities and identify gaps, areas of overlap and opportunities to leverage.

Reevaluate the requirements for a National OCM Inventory and identify next Steps for developing an integrated and publically-accessible Inventory.

Interagency Working Group On
Ocean And Coastal Mapping