

NOAA's Ship and Aircraft Support Office of Marine and Aviation Operations (OMAO)



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Overview

- ✓ **Fleet Overview**
- ✓ **NOAA Vessels – Accomplishments and Plans**
- ✓ **UNOLS Charters – Accomplishments and Plans**
- ✓ **Greening Efforts**
- ✓ **Workforce Management Study**
- ✓ **Federal Fleet Collaborative Efforts**



NOAA Ships and Homeports in FY2012

• KODIAK , AK (1)



Rv fduG /vzq

• KETCHIKAN , AK (1)



Idlz hdkhu



Ehwp IVk-p dgd



P. lduhuhp dq



Kl bkdnl



Rv fduHozq Vtrwh



Ndlp p rdqd

PEARL HARBOR (3)

MOC-PACIFIC
Newport, OR
(4)

19 Ships
10 Homeports

Thugpdog UIKdwdu

MISSIONS
Nautical Charting
Fisheries Research
Oceanographic Research
Coastal Monitoring
Ocean Exploration

NEW CASTLE, NH (1)
WOODS HOLE (2)
DAVISVILLE, RI (1)

MOC-ATLANTIC
NORFOLK, VA
(1)

CHARLESTON (2)

PASCAGOULA
(3)



Jrugrg Jxqhu



Slwv



Ruhjrgll



Ghazduh ll



Khqul EIEljharz



RnhdgrvH/sanhu



Wxrp dvMiihuvzq



Urqdqg KlEurzq



Qdqf/ Irwhu





FY2011 Accomplishments

- ✓ Completed 3217 Operating Days
- ✓ Deepwater Horizon Assessment
- ✓ 204 Operating Days non-UNOLS Charters
- ✓ Completed move of Marine Operations Center-Pacific to the new facility in Newport, OR
- ✓ Cooperating with OSU and UNOLS, Thompson used dock between missions



Photo by Andersen Construction 4-8-2011





FSV-6 Marinette, WI



- FSV-6 (actually the 5th vessel of the class)
- Hull construction at Marinette Marine Corporation in Wisconsin
- Almost all modules are in production (fabrication to erection)
- Some design/construction issues are expected to contribute to a delivery delay



- NOAA has taken possession and is actively pursuing alternatives to complete the vessel
- Received ABS classification and USCG COI thus far



NOAA Vessel Operations

FY2012 Plans

- ✓ **FY2012 Continuing Resolution through November 18**
- ✓ **Based on President's Budget**
- ✓ **2998 Operating Days**



UNOLS Charters

Accomplished in FY2011

✓ **\$9.7M in Charters – 490 day**

✓ **NMFS Charter Days – 135**

✓ **OAR Charter Days – 189**

✓ **NOS Charter Days – 73**

✓ **NWS Charter Days – 93**

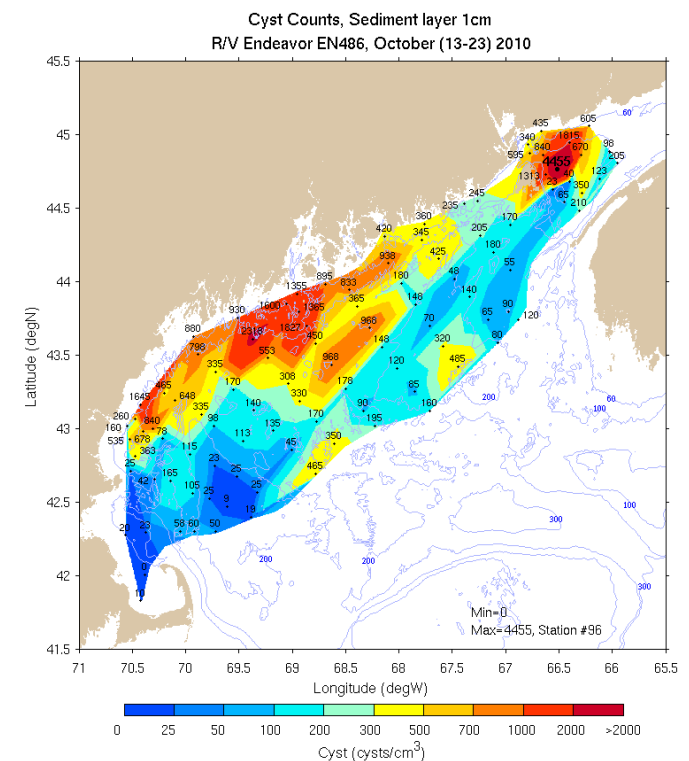




UNOLS Charters

NOS Charter Days Accomplishments

- NOAA's Center for Sponsored Coastal Ocean Research is developing annual forecasts for spring and summer blooms of toxic alga (*Alexandrium fundyense*) that cause 'red tides' in the Gulf of Maine.
- The April 2011 forecast was based on an 11-day cyst research mission conducted in Fall 2010 on the RV *Endeavor*. The Principal Investigators are planning an 11-day cruise on the RV *Oceanus* at the end of October.
- This work is conducted by the NOAA CSCOR-funded Gulf of Maine Toxicity (GOMTOX) project, led by Woods Hole Oceanographic Institution, and funded by CSCOR's ECOHAB and MERHAB program.





UNOLS Charters

Planned for 2012

✓ 129 days Funded – 158 days Proposed

✓ 287 total days

✓ NMFS Charter Days – 120

✓ OAR Charter Days – 74

✓ NOS Charter Days – 79

✓ NWS Charter Days – 14





“Greening” Efforts

- ✔ Lighting upgrade projects underway (LED replacements of T8s and flood lights)
- ✔ Fuel metering pilot project is complete; procurement for six additional vessels with install in process
- ✔ Quarterly “Green Fleet” newsletter continues to raise awareness of environmental impacts
- ✔ *Shimada* operating on 5% biodiesel, when fueled in Newport
- ✔ RO installed on Pisces for more efficient water-making in Gulf of Mexico
- ✔ Fleet is compliant with NPDES Vessel General Permit
- ✔ Marine Operations Center-Atlantic completing a full lighting upgrade to facility



- ✔ ***Shimada* purchasing a hybrid launch**
- ✔ **Fuel meter ring - Installation on an additional 5 ships**
- ✔ ***Thomas Jefferson* upgrades to lighting and HVAC as a result of energy audit**
- ✔ **Oily Water Separator upgrades on 3 ships**
- ✔ ***Halon* replacement conversion on 2 ships**
- ✔ **Topside hydraulic hose and tube replacement on 4 ships**



Workforce Management Study

- ✔ Completed External Operator Review
- ✔ Developed four Basic Models
 - ✔ Current NOAA/UNOLS
 - ✔ Coast Guard Canada – Blue/Gold
 - ✔ Union Hall
 - ✔ Military style Officer/Enlisted
- ✔ Evaluated Options based on cost and effectiveness
- ✔ Currently writing recommendation to NOAA Leadership for implementation



Federal Fleet Collaborative Efforts

National Ocean Policy Implementation Strategy: A Plan for Action

- Developing an Action to “Examine the status of the Federal Oceanographic Fleet” under the National Priority Objective for Ocean, Coastal, and Great Lakes Observations, Mapping, and Infrastructure
- Renewing the Memorandum of Agreement between NOAA and NSF to allow for greater collaboration in funding UNOLS and NOAA ships with the opportunity for “trading” cruises between NOAA and UNOLS vessels
- UNOLS and NOAA collaborating for Marine Technician joint training this winter in Newport, OR



Federal Fleet Collaborative Efforts

- Collaborating with UNOLS to develop standards for the Rolling Deck to Repository (R2R) effort for archiving data at NOAA's Geophysical and Oceanographic Data Centers
- NOAA has been involved in the development of the UNOLS "Greening the Research Fleet" workshop this January
- NOAA is providing the *Ronald H. Brown* schedule to the UNOLS Scheduling Committee to improve identification of collaborative opportunities
- Coordinating MRPs for Global Class AGOR vessels to assure that the impact to missions is minimized. *RHB* currently scheduled for 2016
- ONR and UNOLS very helpful in obtaining parts for *RHB* while dockside in South Africa