

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



University-National Oceanographic Laboratory  
System (UNOLS)  
Research Vessel Operator's Committee Meeting

Scripps Institution of Oceanography  
2011

26-28 April



# Overview

- ✔ **Fleet Overview**
- ✔ **Vessel Operations**
- ✔ **New Ships**
- ✔ **Deepwater Horizon Assessment**
- ✔ **Greening Efforts**
- ✔ **Wage Marine External Operator Review**
- ✔ **Pacific Vessel Homeporting: Newport, Oregon**





# NOAA Ships and Homeports in FY2011

• KODIAK , AK (1)



Oscar Dyson

• KETCHIKAN , AK (1)



Fairweather



Bell M. Shimada



Rainier



McArthur II



Hi'ialakai



Oscar Elton Sette



Ka'imimoana

PEARL HARBOR (3)

18 Ships

10 Homeports

MOC-PACIFIC  
SEATTLE, WA (3)

**MISSIONS**  
 Nautical Charting  
 Fisheries Research  
 Oceanographic Research  
 Coastal Monitoring  
 Ocean Exploration

MOC-ATLANTIC  
NORFOLK, VA (1)

CHARLESTON (2)

PASCAGOULA (3)

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



Gordon Gunter



Pisces



Oregon II

Ferdinand R. Hassler



Delaware II



Henry B. Bigelow



Okeanos Explorer



Thomas Jefferson



Ronald H. Brown



Nancy Foster







# Vessel Operations

- ✔ **FY2011 Budget Approved**
- ✔ **Awaiting OMAO Budget from NOAA**
- ✔ **Expect to continue at planned schedule**
- ✔ **May have funding for additional operations**
- ✔ **Only 5 months remain in FY**
- ✔ **3300 Operating Days**
- ✔ **18 Ships**





# New Ships

***FSV-6 Marinette, WI***



***Reuben Lasker***



***Ferdinand R. Hassler***





# Deepwater Horizon Assessment

- ☑ ***McArthur II*** dedicated to NOAA assessment work
  - ☑ 150 Sea Days planned through September
  - ☑ AUV, MOCNESS, CTD, SEAMAP, etc.
- ☑ ***Pisces***
  - ☑ 100 Sea Days planned through September
  - ☑ Deep Trawls
  - ☑ Deepwater Crab Survey
- ☑ ***Oregon II***
  - ☑ 30 Sea Days
  - ☑ Plankton Surveys



# “Greening” Efforts

- ➊ **Converted the *Okeanos Explorer* to biodegradable stern tube lubricant**
- ➋ **Fuel metering - *Rainier* pilot project is underway**
- ➌ **Quarterly “Green Fleet” newsletter raising awareness of environmental impacts; focusing on ships and ship support**
- ➍ **Collecting sulfur-content from bunker reports**
- ➎ **Fleet is compliant with NPDES Vessel General Permit**





# “Greening” Efforts

## FY2012 Initiatives

- ✔ *Shimada* purchasing a hybrid launch
- ✔ Fuel metering - Installation on an additional 5 ships
- ✔ *Thomas Jefferson* upgrades to lighting and HVAC as a result of energy audit
- ✔ Considering T-AGOS repower with CAT C-32 for one ship with options for more in future
- ✔ Oily Water Separator upgrades on 3 ships
- ✔ Halon replacement conversion on 2 ships
- ✔ Topside hydraulic hose and tube replacement on 4 ships







# External Operator Survey

- ✓ Part of Workforce Management Review
  - ✓ University of Washington
  - ✓ Military Sealift Command
  - ✓ Coast Guard Canada
  - ✓ USCG *Healy*
  - ✓ Washington State Ferries
  - ✓ Maersk Line Limited
- ✓ 4 Basic Models
  - ✓ Current NOAA/UNOLS
  - ✓ Coast Guard Canada – Blue/Gold
  - ✓ Union Hall
  - ✓ Military style Officer/Enlisted
- ✓ Running Cost Models





# Marine Operations Center - Pacific Newport, Oregon



Photo by Andersen Construction 4-8-2011

