

Fleet Improvement Plan

Review of progress toward
implementing recommendations

The UNOLS fleet must increase beyond the current projected levels detailed in the Federal Oceanographic Fleet Status Report (IWG-F)....also implement the renewal activities underway

Developments:

ARRV expansion to Global class

Two Ocean Class AGORs in Preliminary/Contract Design

Polar RV SMR refresh

RCRV Phase I refresh

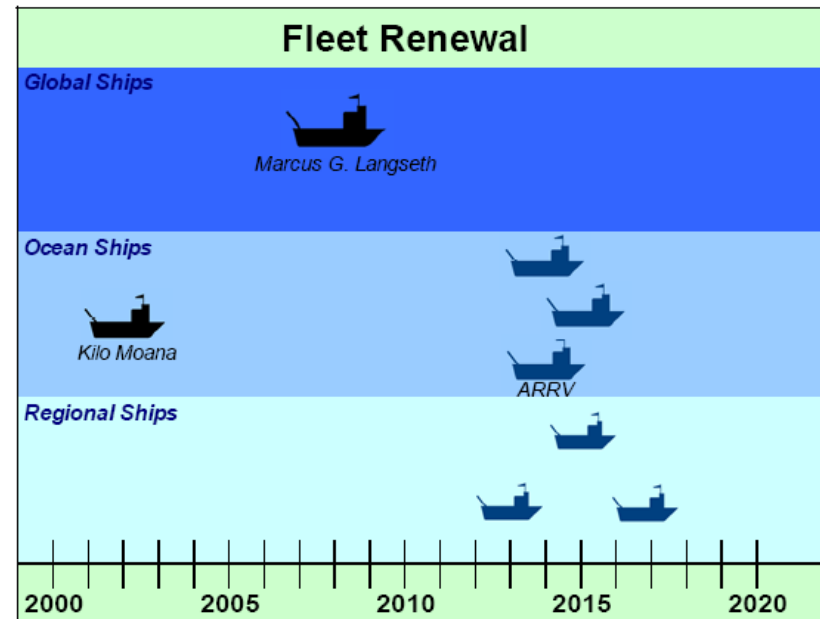


Figure 46. Fleet Renewal Timeline through 2020

Personnel strategies must be developed to improve staffing and retention of experienced technical support personnel and crew.

- Alice Doyle hired as UNOLS Technical Services Manager. She has been working on and instituting a fleet wide Technician pool/exchange.
- UNOLS and MATE program have instituted a 6-month internship program that will be starting with WHOI and DUKE to train future marine technicians.

UNOLS should take a leadership role in promoting a green research fleet

- UNOLS 2010 Priority to explore “greening the Fleet.”
- ONR’s July request for input on greening of the Ocean Class AGOR design
- Follow-up phone conference with the "green naval architect" Tom Wylie
- Mike Prince working on Green Assessment of the Ocean Class Specification
- Plans are underway to propose a UNOLS Green Workshop in 2011



SRV Derek M. Baylis used for multibeam and sparker surveys. Fuel consumption = 1.6 gal/hour

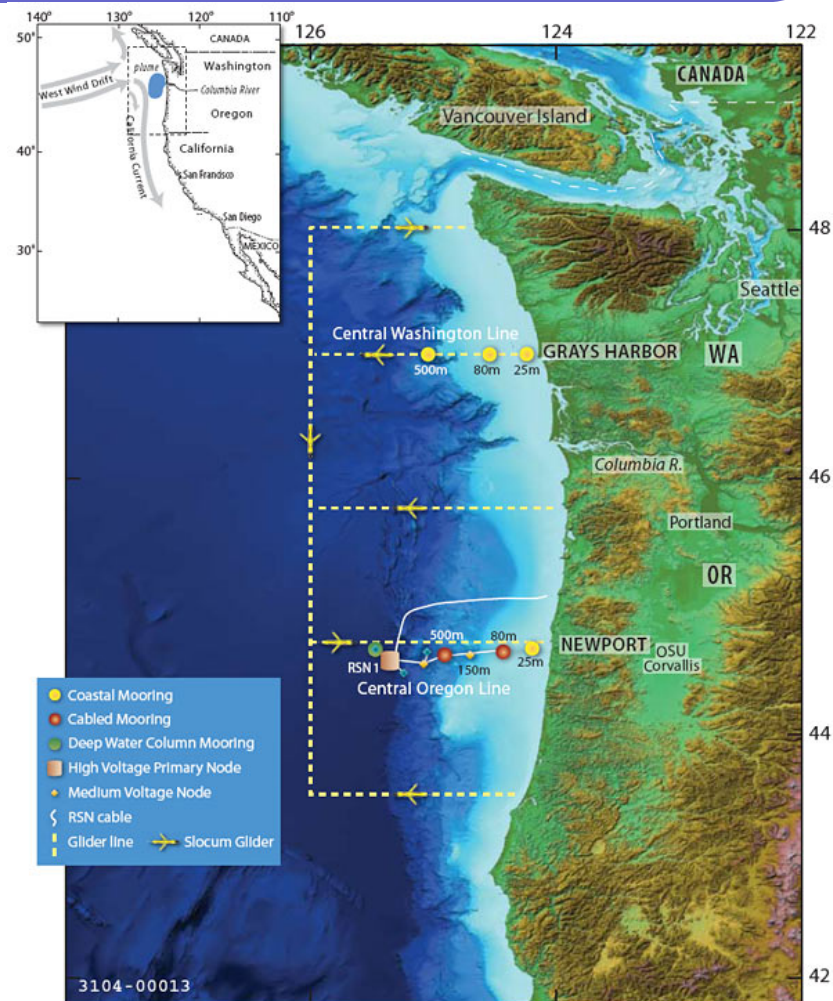
Some of the current ships should have their service life extended to meet near term science requirements

- NSF ship inspections are carefully assessing the condition of ships to revise retirement dates and SLEP decisions with more accurate data.
- Survey on ship time demand



Projected service life end dates and geographic locations of current UNOLS fleet should ensure OOI ship demands are met

- FIC/UNOLS continues to keep up with OOI projections of ship use (previous agenda item)

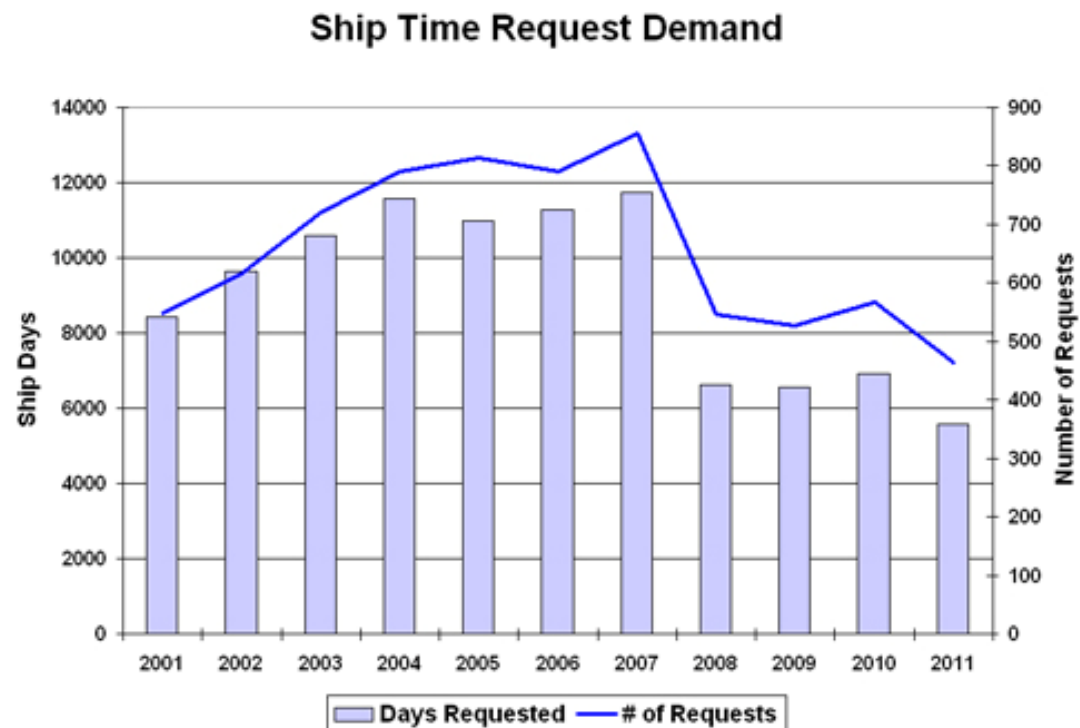


Planning and acquisition efforts for new deep submergence assets should continue

- Final Design Review for the *Alvin* Upgrade Project completed in Sept 2010.
- AUV *Sentry* added to the National Deep Submergence Facility in 2010.

Lay-ups should be made based on multi-year projections of ship time demand

- Survey on ship time demand



UNOLS should encourage the timely replacement of Local vessels and Coastal/Regional vessels by institutions, state governments, and regional partnerships

- R/V *Barnes* replacement planning - UW
- Middlebury vessel- for Lake Champlain



Federal agencies are encouraged to examine their respective fleet capacities and capabilities to ensure the Federal Fleet as a whole is optimally utilized.

- **Comments from agencies?**