



Field report for *R/V Tatoosh* and OC-2, 2014

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NATIONAL MARINE
SANCTUARIES

OLYMPIC COAST

R/V Tatoosh History

- 20 years of service
- Repower 2001
- Engines overhauled
- Safety investments
- Life of hull
- Jets and hydraulics next

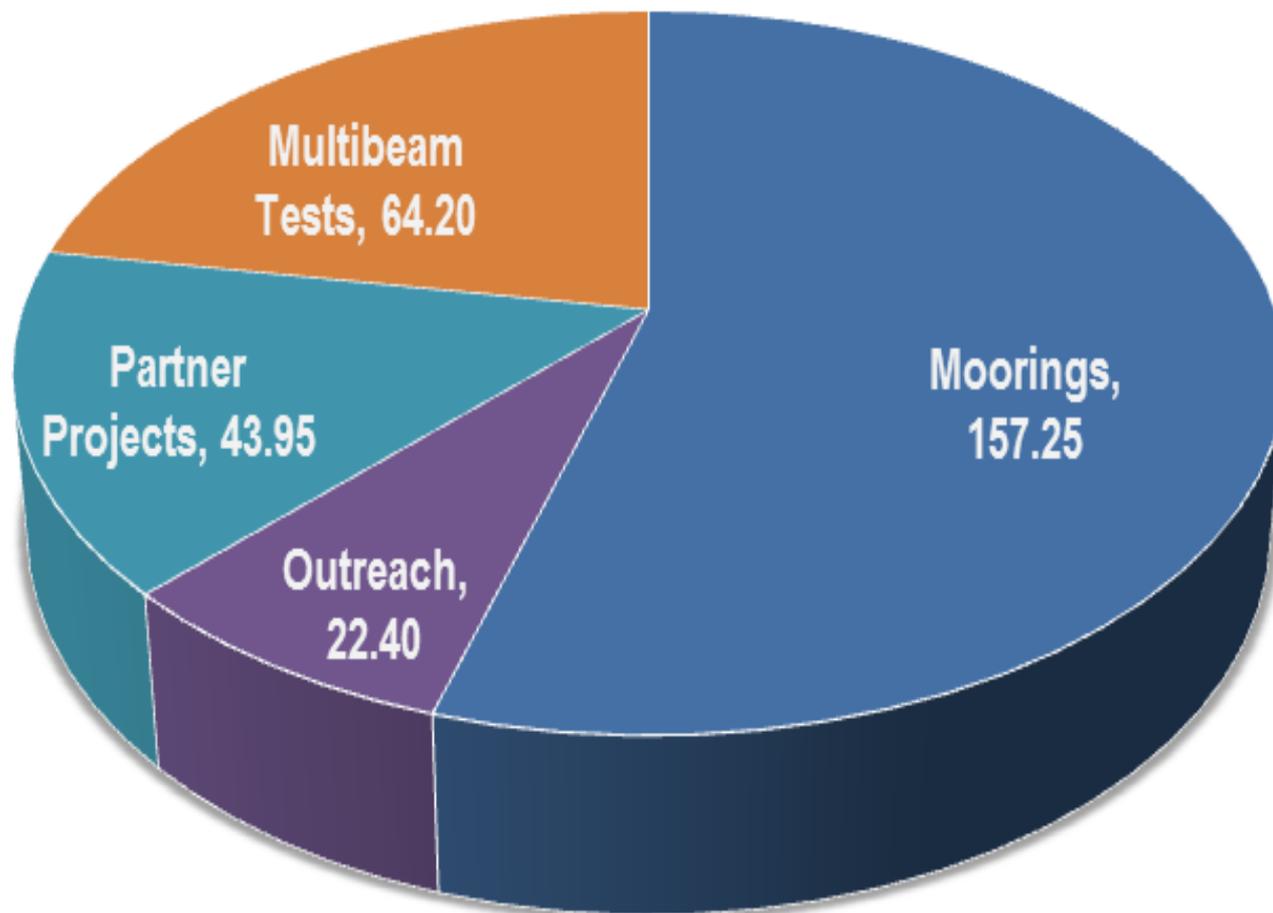


OC-2 History

- 18 years of service
- “like new” condition
- Very selective conditions and capabilities



2014 Allocation of Project Hours



Oceanographic Moorings

- 10 sites
- DO, T, Conductivity, turbidity, currents
- Used in partner models
 - Climate change, larval dispersal, hypoxia, productivity, habs
- Winter Moorings
- Partners



Multibeam System

- Equipment
- Staff training
- Support
- Wrecks
- Habitat Mapping
- Site capability
- Enforcement
- Maritime Heritage



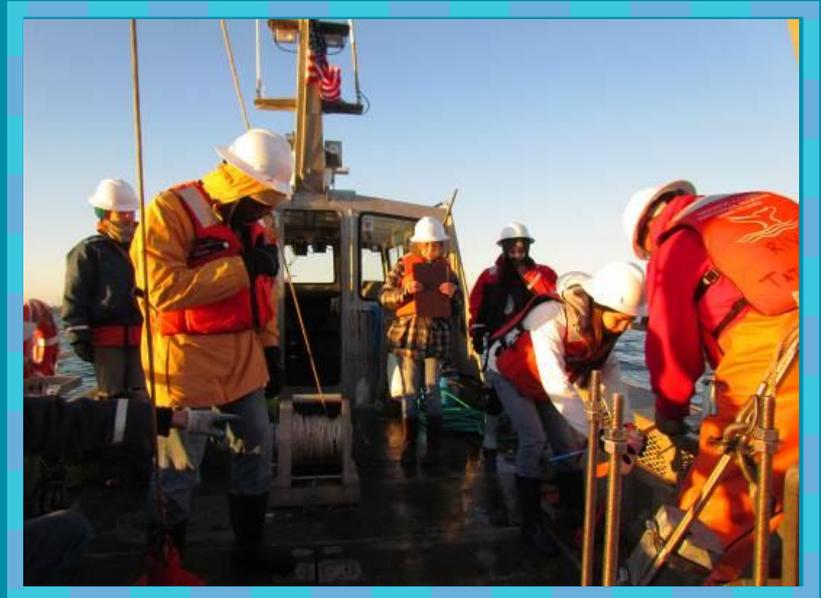
Navigation Response Branch

- Vessel of Opportunity
- Shared interest



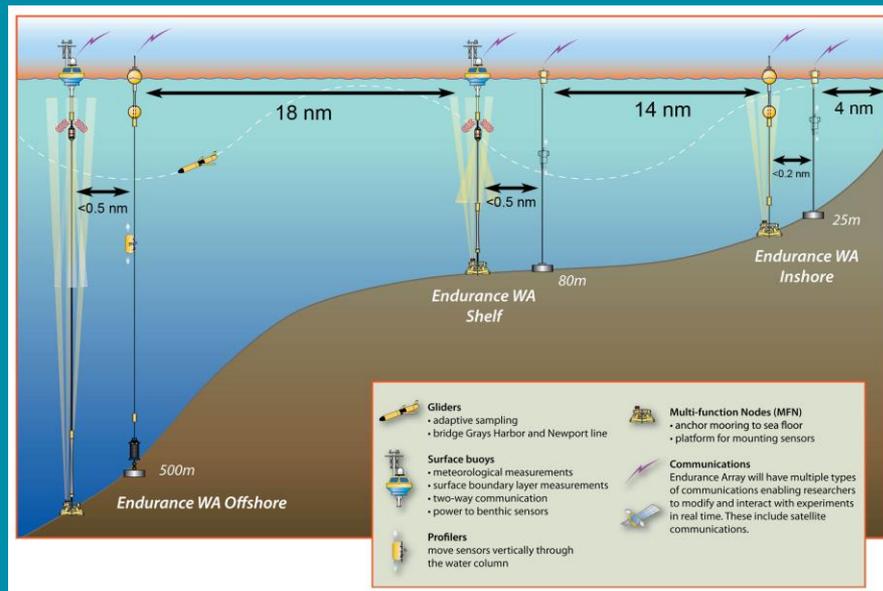
Education and Outreach

- ONP
- TNC
- Volunteers
- PC Oceanography



Ocean Observatories Initiative

- National Science Foundation
- High tech array
- Limited logistical support



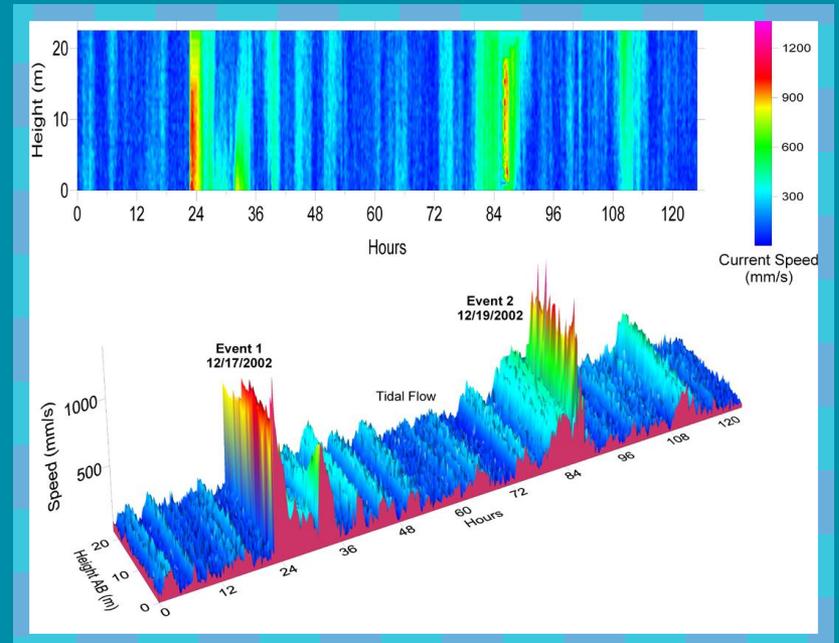
Kelp Watch 2014

- OC-2
- WDoH
- Northern CA



Current Profiling

- CO-OPS
- ADCP



Plankton Monitoring

- ORHAB
- Quileute Tribe



Unmanned Aerial Vehicles

- New technology
- Complex regulations
- Huge potential
- New threat



New Vessel

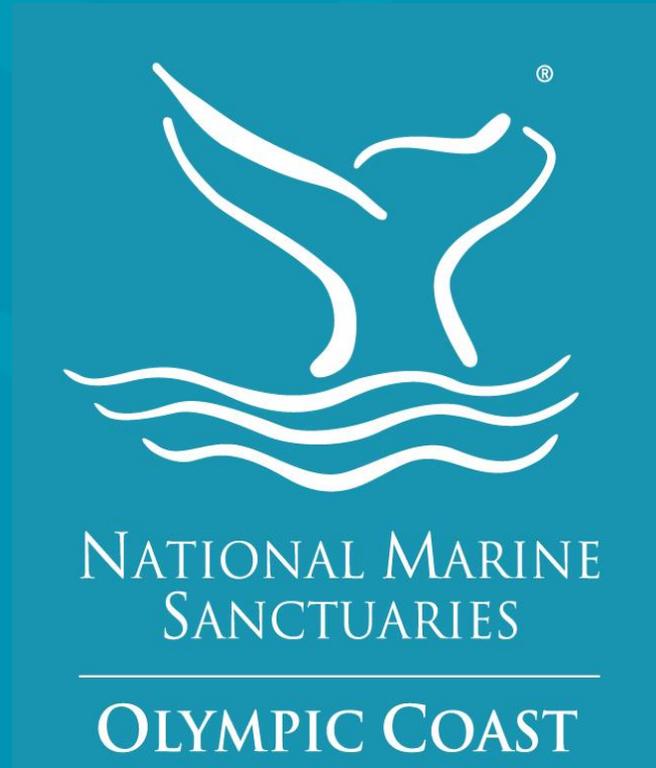


Summary

- Support area: 3,310 square miles
- Days at sea: 50
- Project hours: 288
- Approximate cost per day: \$1,350
- Fuel: 3719 gallons diesel
- Total Distance Run: over 2,000 NM
- Education and Outreach: multiple groups, tribes, and stakeholders
- Research: long-term monitoring projects maintained and innovative partnerships with other research organizations formed



National Marine Sanctuaries
National Oceanic and Atmospheric Administration



<http://olympiccoast.noaa.gov>



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