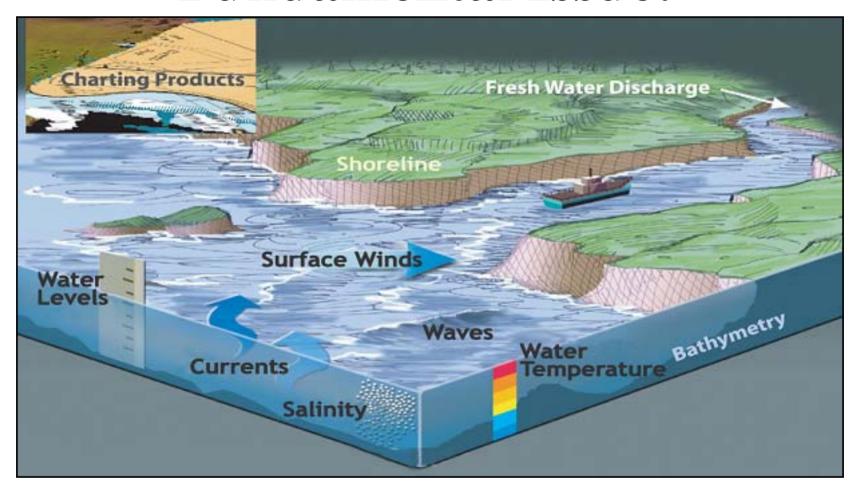


The Northwest Association of Networked Ocean Observing Systems (NANOOS)

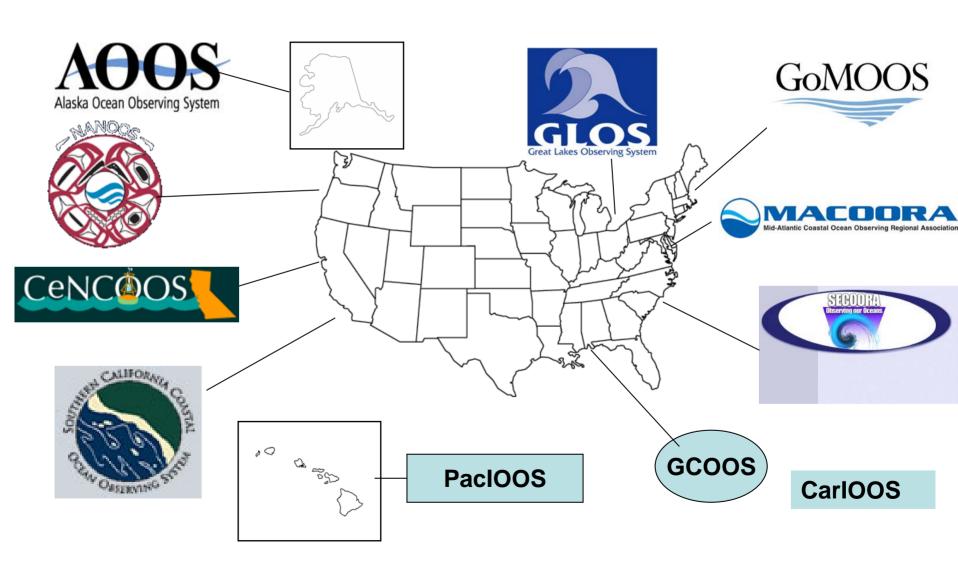
Jack A. Barth (Oregon State University)
Jan A. Newton (NANOOS Coordinator, University of Washington)
David Martin (NANOOS President, University of Washington)
and NANOOS Colleagues

Fundamental Issue:



We are limited and poorly coordinated with respect to environmental data supporting fundamental societal needs

Diverse Needs Require a Regional Approach

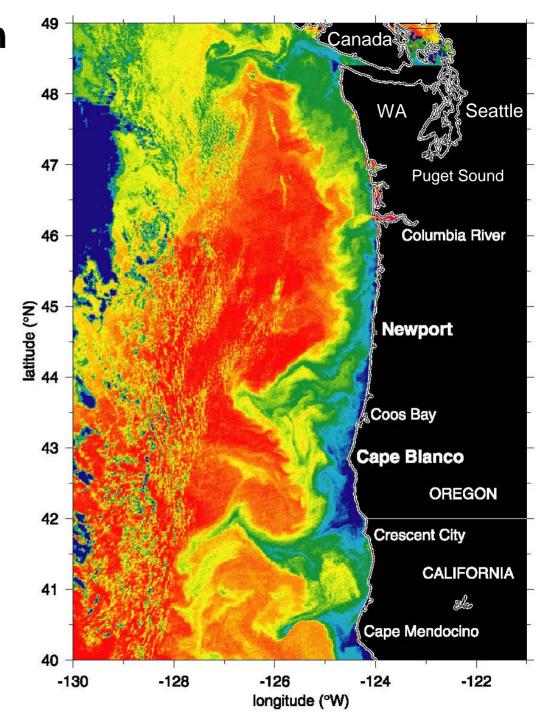


Northwest Association Of Networked Ocean Observing Systems (NANOOS)













NANOOS Members

to date...

- 1. Ocean Inquiry Project
- 2. Oregon Dept of Land Conservation & Development
- 3. Surfrider Foundation
- 4. The Boeing Company
- 5. Oregon State University
- 6. Puget Sound Action Team
- 7. University of Washington
- 8. WET Labs, Inc.
- 9. Oregon Health and Science University
- 10. Quileute Indian Tribe
- 11. Oregon Dept of Geology and Mineral Industries
- 12. Humboldt University
- 13. Marine Exchange of Puget Sound
- 14. Washington State Dept of Ecology
- 15. Pacific Northwest National Laboratory
- 16. Port of Newport

NGO

State/local Gov't

Industry

Academia/Research

Tribes





NANOOS Pilot Marine Monitoring Components

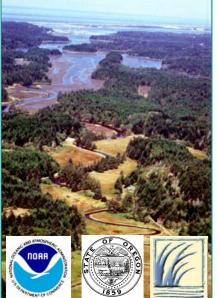


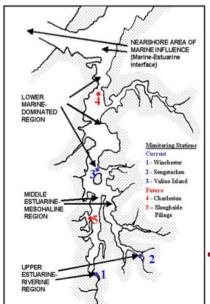


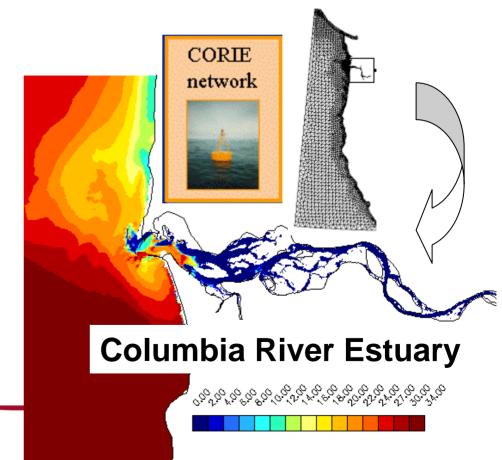
Puget Sound, WA



South Slough Estuary, OR







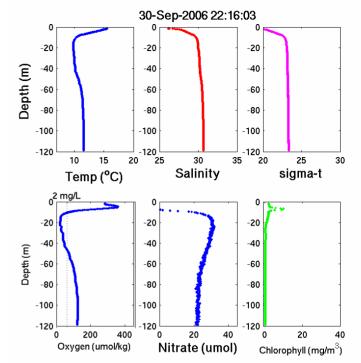


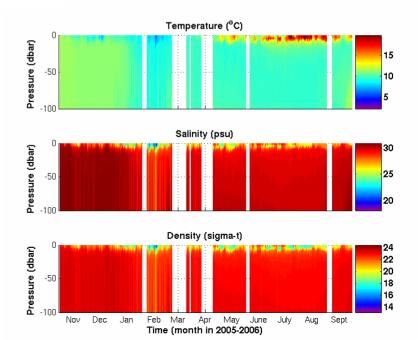
Example Real-Time Data Products available from ORCA buoys through NANOOS now...

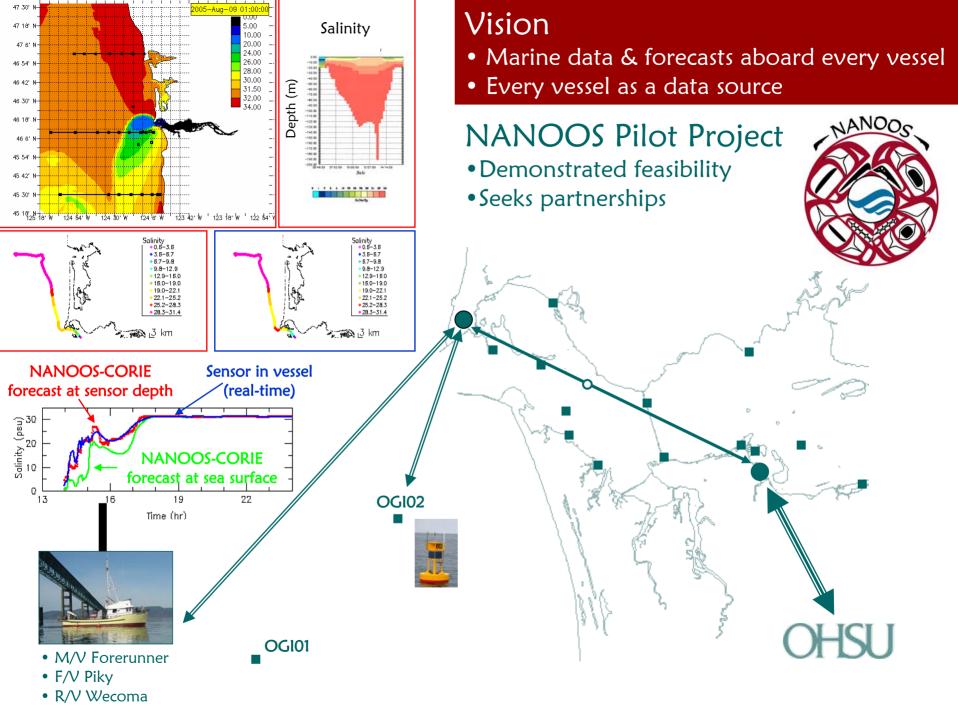
Weather every 10 minutes, water conditions every 2 hours, & cumulative time series

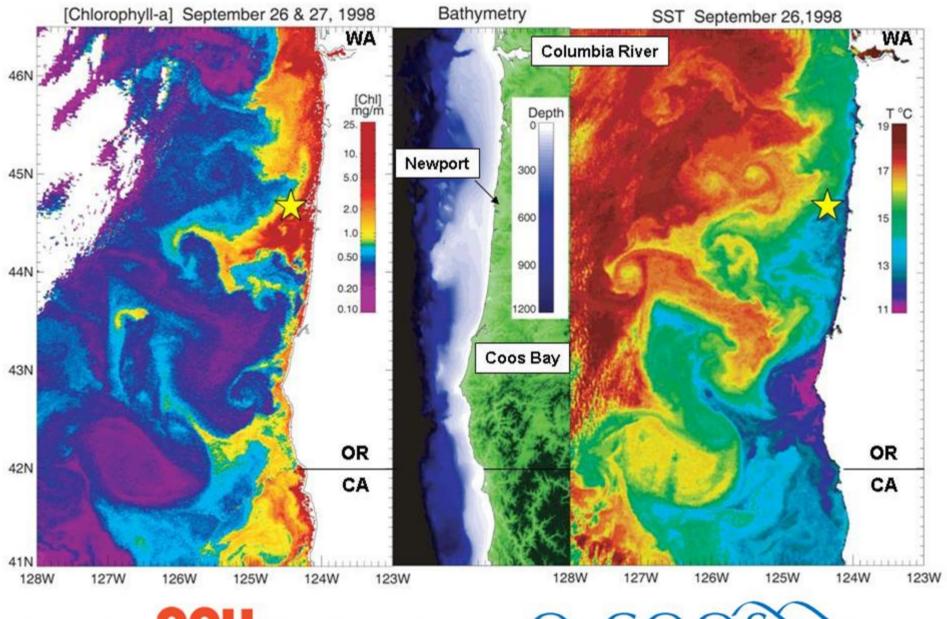
Duckabush Location Oct 01 2006 20:53:01

Temperature	57.6	Degrees F
Wind Speed	4	mph
Wind Speed Avg	4	mph
Rain Rate	0.00	in/hr
Solar Radiation	0	watts/meter^2
Humidity	72	%
Wind Direction	NNE	





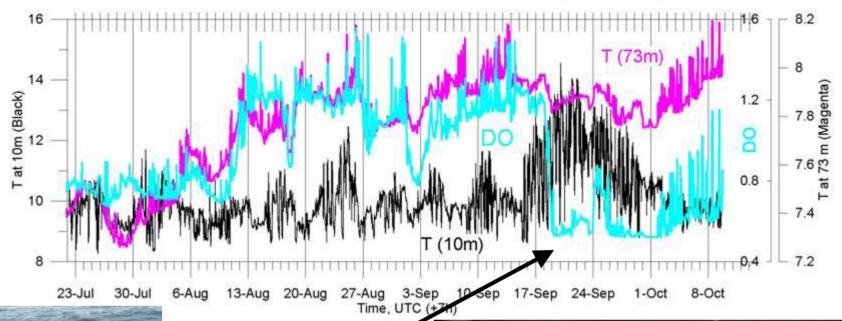


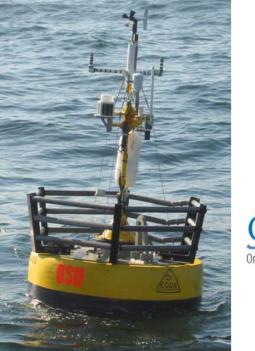






2006 OrCOOS Buoy Data (water depth 81 m)







hypoxia



