

Pacific Region Overview

Oregon Wave Energy Trust Ocean Renewable Energy Conference September 27, 2012

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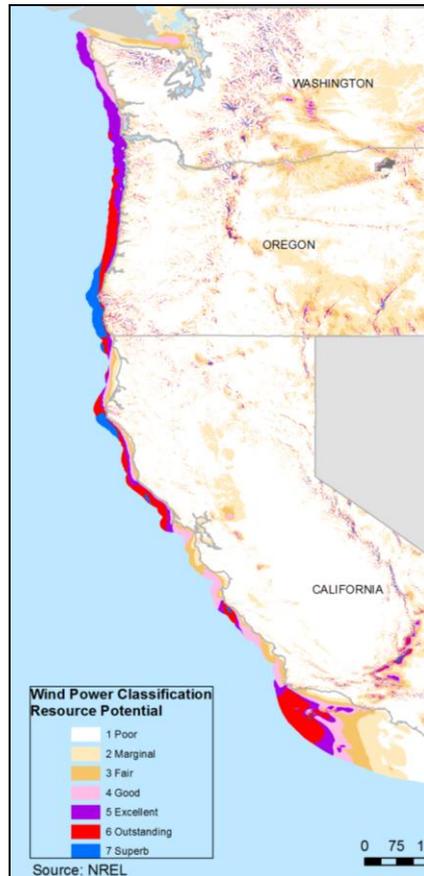


Preparing for Renewable Energy off Oregon



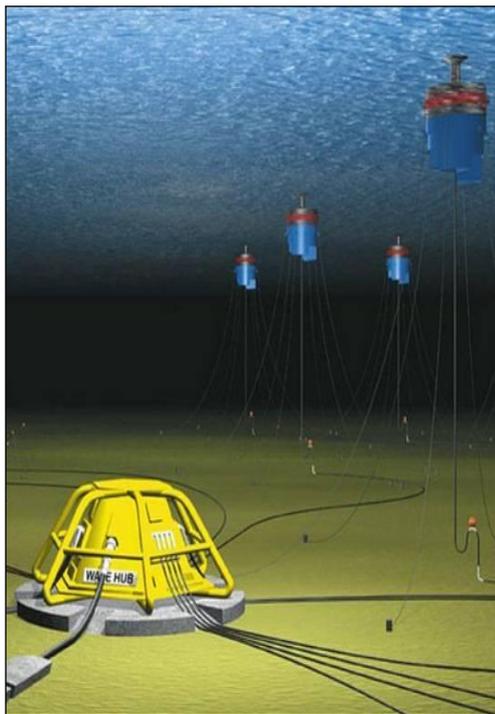
OSU Wave Sentinel





- **Pacific coast has great potential for development of renewable energy from wave and wind power**
- **BOEM formed the OCS Oregon Renewable Energy Task Force in 2010.**





- Reached out to over 30 external stakeholders for input regarding renewable energy for FY 2013 Pacific Region's Studies Development Plan
- All four states WA, OR, CA, HI,
- Some of the ideas for the Pacific BOEM 2013 studies came from stakeholders
- Many of the proposals could result in partnerships





- **1973 – 2012**
- **299 studies completed at nearly \$ 138.5 M**
2 renewable energy studies completed
- **26 on-going studies FY 2012 ~\$ 13.2 M**
18 related to renewable energy ~\$ 10.3 M
- **5 additional renewable energy studies for FY 2013 ~\$ 3.6 M**
2 specifically informative to Oregon



BOEM Pacific Region 2013 Studies Informative to Oregon

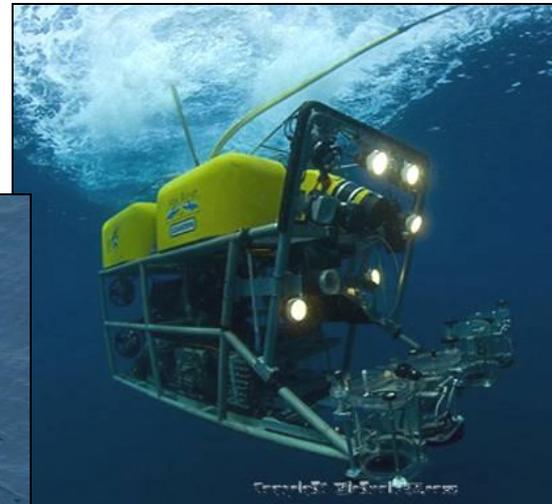
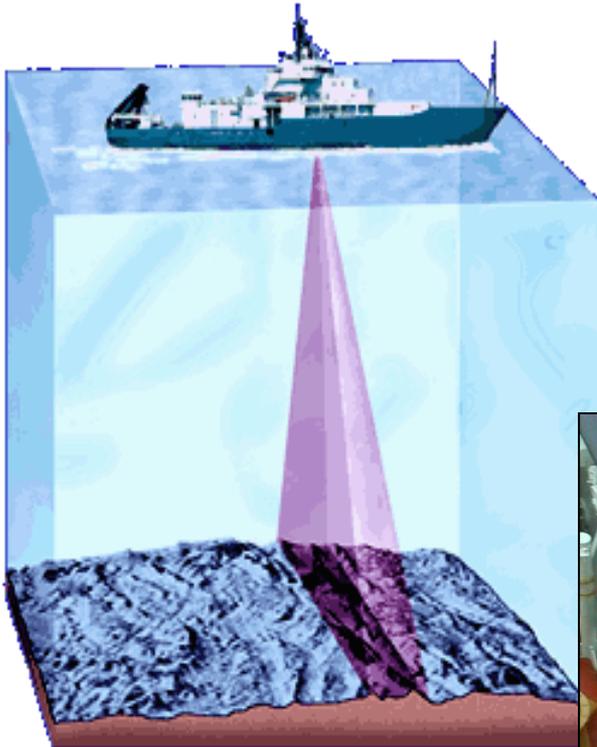


- **Using Ongoing Activities as Surrogates to Predict Potential Ecological Impacts from Marine Renewable Energy**

- **Predicting the Consequences of Wave Energy Absorption from Marine Renewable Energy Facilities on Nearshore Ecosystems**



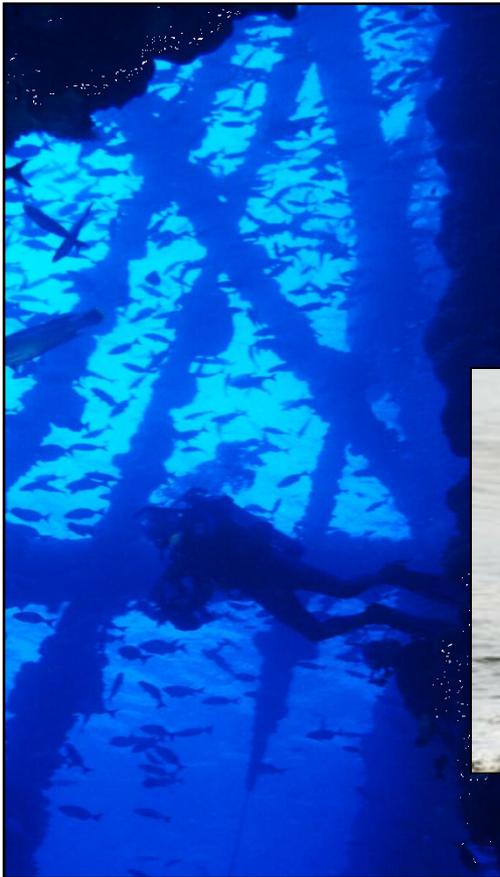
- **Existing partnerships with DOE and NOAA**
- **Leading to knowledge of benthic resources within areas of interest for renewable energy installations**





- Existing partnerships with USGS and FWS
- Leading to knowledge of seabirds and marine mammals within areas of interest for renewable energy installation





- Existing partnerships with DOE and NOAA
- Leading to potential protocols for pre-installation sampling and post-installation monitoring





Announcing

Oregon Marine Renewable Energy Environmental Science Conference



28-29 November 2012
CH2M HILL Alumni Center
Oregon State University



<http://or-rescience.org/>



Oregon Marine Renewable Energy Science Conference



➤ **Steering Committee BOEM/OSU/State of Oregon**

➤ **Focusing on Environmental Science**

➤ **November 28 – Open to the Public**

Overviews on current research and opportunities

➤ **November 29 – Invited Experts**

Discuss concerns and gaps for baseline, impacts, monitoring



<http://or-rescience.org/>



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