

# WEST COAST GOVERNORS' AGREEMENT on OCEAN HEALTH

CALIFORNIA OREGON WASHINGTON



## **A West Coast Perspective: Regional Ocean Partnerships & Coastal and Marine Spatial Planning**

Jessica Hamilton Keys  
Natural Resources Policy Advisor  
Oregon Governor Ted Kulongoski

November 2, 2010

**THE WHITE HOUSE**

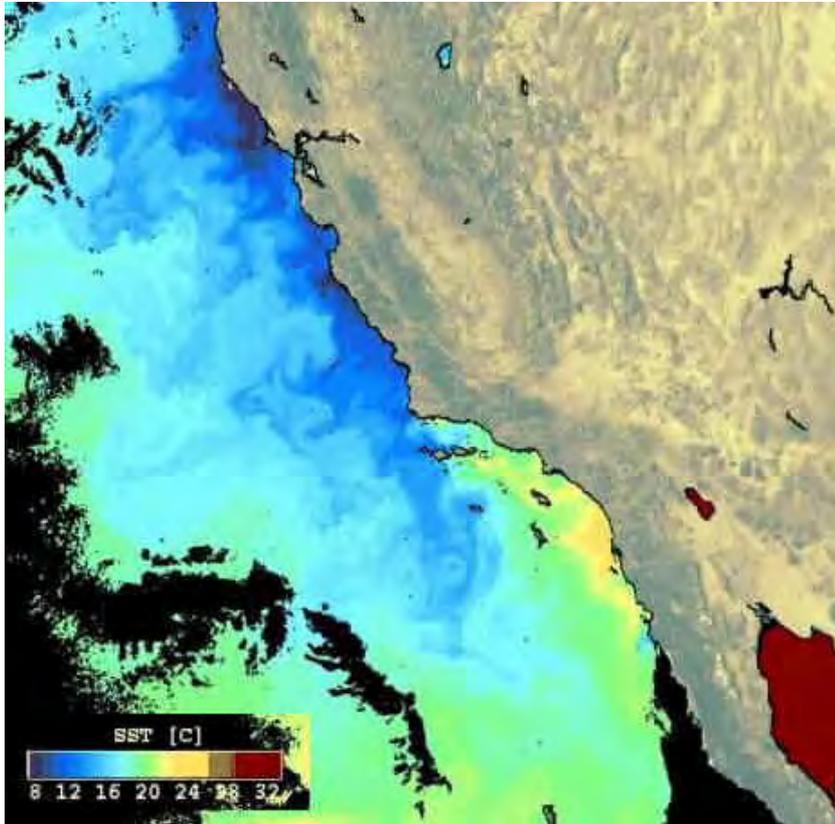
June 12, 2009

MEMORANDUM FOR THE HEADS OF EXECUTIVE  
DEPARTMENTS AND AGENCIES

**SUBJECT: NATIONAL POLICY FOR THE OCEANS**

...We have a stewardship  
responsibility to maintain healthy,  
resilient, and sustainable  
oceans, coasts, and Great Lakes  
resources for the benefit of  
this and future generations.

# Coastal and Marine Spatial Planning (CMSP)



## Geographic Scope

Regional scale planning based on eleven recognized Large Marine Ecosystems (LME)

The California Current LME unites Oregon with California and Washington

# West Coast Collaboration



We have limited state jurisdiction and capacity to address the size and complexity of the marine ecosystem and diversity of its uses in federal waters

New state-federal partnerships and ecosystem-based management are needed to achieve long-term ocean stewardship



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Arnold Schwarzenegger  
Governor of California



Theodore R. Kulongoski  
Governor of Oregon

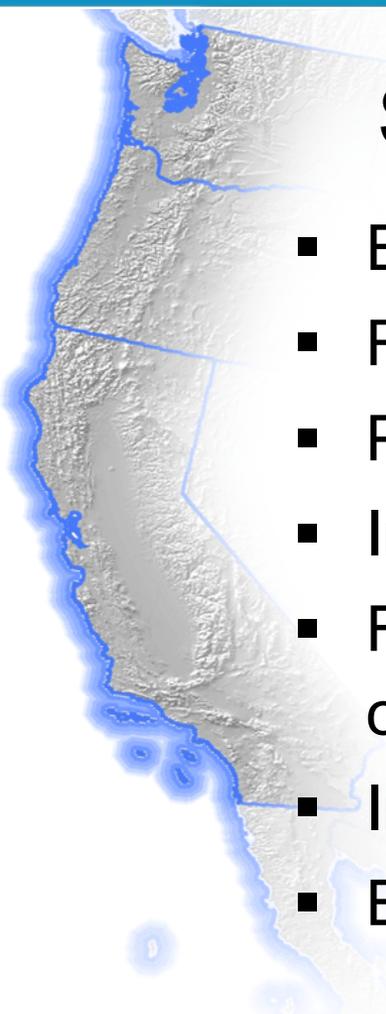


Christine O. Gregoire  
Governor of  
Washington

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## Shared Priorities for the West Coast

- 
- A stylized map of the West Coast of the United States, showing the outlines of California, Oregon, and Washington. The map is rendered in shades of blue and white, with a blue outline highlighting the coastline. It is positioned on the left side of the slide, partially overlapping the text area.
- Ensure clean coastal waters and beaches
  - Reduce adverse impacts of offshore development
  - Protect and restore healthy ocean & coastal habitats
  - Implement ecosystem-based management
  - Foster sustainable economic development in coastal communities
  - Increase ocean awareness and literacy
  - Expand ocean and coastal scientific research

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## Executive Committee



California	Oregon	Washington
<b>Brian Baird</b>	<b>Jessica Keys</b>	<b>Bob Nichols</b>
Assistant Secretary for Oceans	Natural Resource Policy Advisor	Policy Advisor
Natural Resources Agency	Governor Kulongoski's Office	Governor Gregoire's Office

## Federal Partners

- Usha Varanasi, Dept. of Commerce (NOAA)
- Alexis Strauss, Environmental Protection Agency
- Joan Barminski, Dept. of Interior (Ocean Energy Mgmt.)

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West Coast Governors' Agreement on Ocean Health  
Draft Action Plan

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WASHINGTON OREGON CALIFORNIA

### Action Plan

THE OFFICE OF THE GOVERNORS  
WASHINGTON, OREGON, AND CALIFORNIA

**Final Support**  
The establishment of a national Ocean Trust Fund that would support ocean management efforts for conservation and coastal preservation purposes.

**Effects of Climate Change**  
The West Coast will coordinate a binational climate and ocean policy program and convene a binational climate and ocean policy working group to develop actions to mitigate and adapt to the impacts of climate change.

The West Coast and the U.S. Congress to provide adequate funding for research and monitoring to assess the health of the West Coast and to support local governments in this effort.

The U.S. is a priority for the West Coast by focusing America's resources and investments on the ocean.

West Coast states are working to address the impacts of climate change and the effects of ocean acidification on our coastal ecosystems.

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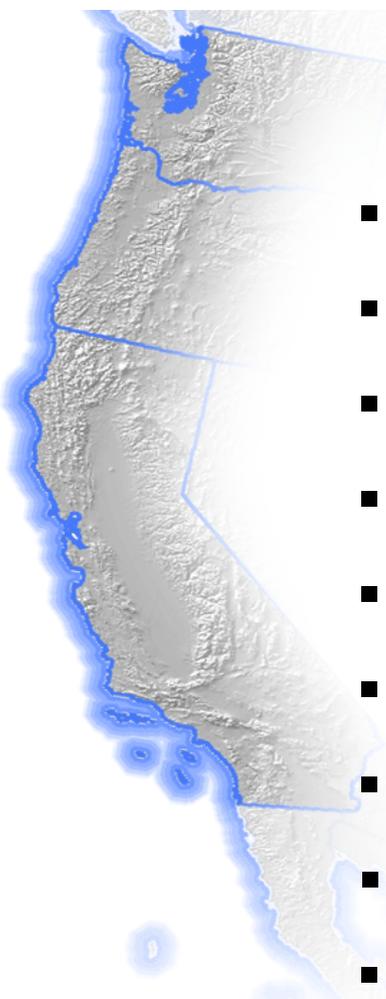
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## Examples of the 26 Actions of WCGA

- 
- Mitigate and adapt to climate change & related coastal hazards
  - Reduce marine debris
  - Support working waterfronts
  - Promote “clean ports” and the Clean Marinas Program
  - Promote “low impact development” techniques
  - Improve predictions of harmful algal blooms
  - Support regional sediment management
  - Oil spill prevention
  - Ocean education for students and the public

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## Action Coordination Teams (ACTs)

1. Seafloor mapping
2. Polluted runoff
3. Marine debris
4. *Spartina* eradication
5. Renewable ocean energy
6. Ocean education
7. Sediment management
8. Climate change
9. Integrated ecosystem assessments
10. Sustainable coastal communities



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**Examples of WCGA Actions**

**related to**

**Coastal and Marine Spatial Planning**

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## **Seafloor Mapping (Action 6.3)**

By the year 2020, complete a seafloor map of the bathymetry, benthic substrate, relief, geology, and habitat of all state tidelands and submerged lands out to three miles.



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## **Habitat Protection and Restoration (Action 2.1)**

Document, describe, and map marine and estuarine ecological communities throughout West Coast waters, characterize existing human uses of those areas, and establish measures to ensure effective habitat protection.



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## Habitat Protection and Restoration (Action 2.2)

Restore estuarine habitats, including coastal wetlands, to achieve a net increase in habitat and their function by at least 10% over the next 10 years.



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## Marine Invasive Species (Action 2.4)

Focus efforts on eradicating non-native cordgrasses (genus *Spartina*) which are transported between the three states on ocean currents, as a pilot coast-wide eradication.



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## **Ecosystem-based Management (Action 3.1)**

Examine ongoing community-based efforts using ecosystem management principles in all three states and share lessons learned from these initiatives to encourage effective ecosystem-based management efforts across the West Coast.



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## **Ecosystem-based Management (Action 3.2)**

Assess physical, biological, chemical, and socio-economic factors in ecosystem health across the West Coast to establish standards and indicators for ocean health.



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## **Alternative Energy Development (Action 4.2)**

Explore the feasibility for offshore alternative ocean energy development and evaluate the potential environmental impacts of these technologies.



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## Common Goals Shared with the National CMSP Framework

- Reduce user conflicts and environmental impacts
- Support sustainable uses
- Promote resilient ecosystems
- Provide for public access
- Enhance interagency, intergovernmental and international communication and collaboration



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## Common Principles Shared with the National CMSP Framework

- Adaptive management
- Precautionary approach
- Reduce conflicts of existing and emerging uses
- Involve partners, the public, and stakeholders through a transparent process
- Use best available science
- Ecosystem-based management



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## Benefits of CMSP on Regional Level

- Leverage resources
- Integrate with and advance current state & regional priorities
  - Coordinated regionally, but planning and implementation will occur on state level
- Create common information & framework for planning
- Provide opportunities for increased collaboration with Tribes, scientists, stakeholders, and communities



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## Challenges for Regional CMSP

- National consistency vs. regional flexibility
- Timeline
- Planning fatigue
- Scale
- Lack of capacity
- Changes in CA and OR Governors
- Adequate and sustained resources



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## WCGA Federal Funding

Fiscal Year 2010: **\$500,000** for WCGA

- Congressional leadership on Governors' request
- Pacific States Marine Fisheries Commission will manage the grants for the region
- Eight ACT work plans will be advanced

Fiscal Year 2011: (***Not yet final***)

- **\$1 million** for WCGA
- Compete with 8 regions for part of **\$20 million**
  - NOAA prioritizing marine spatial planning

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## WCGA Strategic Discussions

- Supporting FY11 mark for \$20 million for Regional Ocean Partnerships (and preparing for FY12)
- Responding to Ocean Policy Task Force
  - Connecting CMSP to existing WCGA regional priorities
  - Integration and alignment with state efforts
  - Organizational adjustments and enhanced Tribal participation
  - Governance Coordinating Committee submission
  - Federal Funding Opportunity response



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## Regional Ocean Partnership Funding Program

### California Workshop

Friday, November 12, San Francisco

### Oregon Workshop

Monday, November 15, Newport

### Washington Workshop

Tuesday, November 16, Olympia

***Proposals to due to NOAA December 10th***



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[www.westcoastoceans.gov](http://www.westcoastoceans.gov)



**Thank you!**

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ADDITIONAL SLIDES



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## Definitions

A **healthy ocean and coast** means that...

marine, coastal, and estuarine ecosystems, the watersheds that drain into these waters, the plant and animal communities therein, and the physical, chemical, and biological processes involved are diverse and functioning, and the economies and people depending on them are thriving.



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## Definitions

**Ecosystem-based management (EBM)** is...

a process that integrates ecological, social, and economic goals, recognizes humans as key components of the ecosystem, and considers ecological boundaries while acknowledging political borders. An EBM approach assesses cumulative impacts from various sources and strives to balance conflicting uses.



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## Future Exercise:

### Identify West Coast Research Priorities

**WCGA Goal:** Create a regional research priority plan to strategically focus investments

Based on advice from Sea Grant and other marine experts, the WCGA will identify the top 3 to 5 research priorities for the California Current Large Marine Ecosystem.



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## Oregon Marine Spatial Planning

# Statewide Goal 19, Ocean Resources

## Protects

- Renewable Marine Resources  
i.e. Living Marine Resources
- Biological Diversity & Functional Integrity of Marine Ecosystems
- Important Marine Habitat
- Areas Important to Fisheries  
Commercial and Recreational
- Beneficial Uses:  
Navigation, Recreation, Food Production, Aesthetic,  
Seafloor Uses

# **Governor Kulongoski's Executive Order 08-07 March 2008**

## Wave Energy

Develop a plan for Marine Renewable Energy Planning as an amendment to the Territorial Sea Plan (TSP).

## Marine Reserves

State to move forward on a limited system of marine reserves

# Ocean Renewable Energy

## Phase 1



## Territorial Sea Plan Amendment Part 5: Policies and Standards

2 stakeholder/public advisory committees

Advice from Ocean Policy Advisory Council

Adopted November 2009 by Land Conservation and  
Development Commission

# Ocean Renewable Energy

## Phase 2 of Amending the Territorial Sea Plan

### Spatial Mapping Process

- Commercial and recreational fisheries data collected through local advisory committees (Dec. 2010)
- Ecological data: Oregon Dept. Fish and Wildlife and The Nature Conservancy (Spring 2011)
- Seafloor bathymetric and image data (Spring 2011)
- Recreational ocean use: on-line surveys (Fall 2010)
- Other spatial data on human uses, managed resources, physical conditions, and shoreland facilities (Fall 2010)

Spatial Mapping and Analysis: Fall 2011

# Valuable Fishing Areas

Map overlay of areas important to fisheries for:

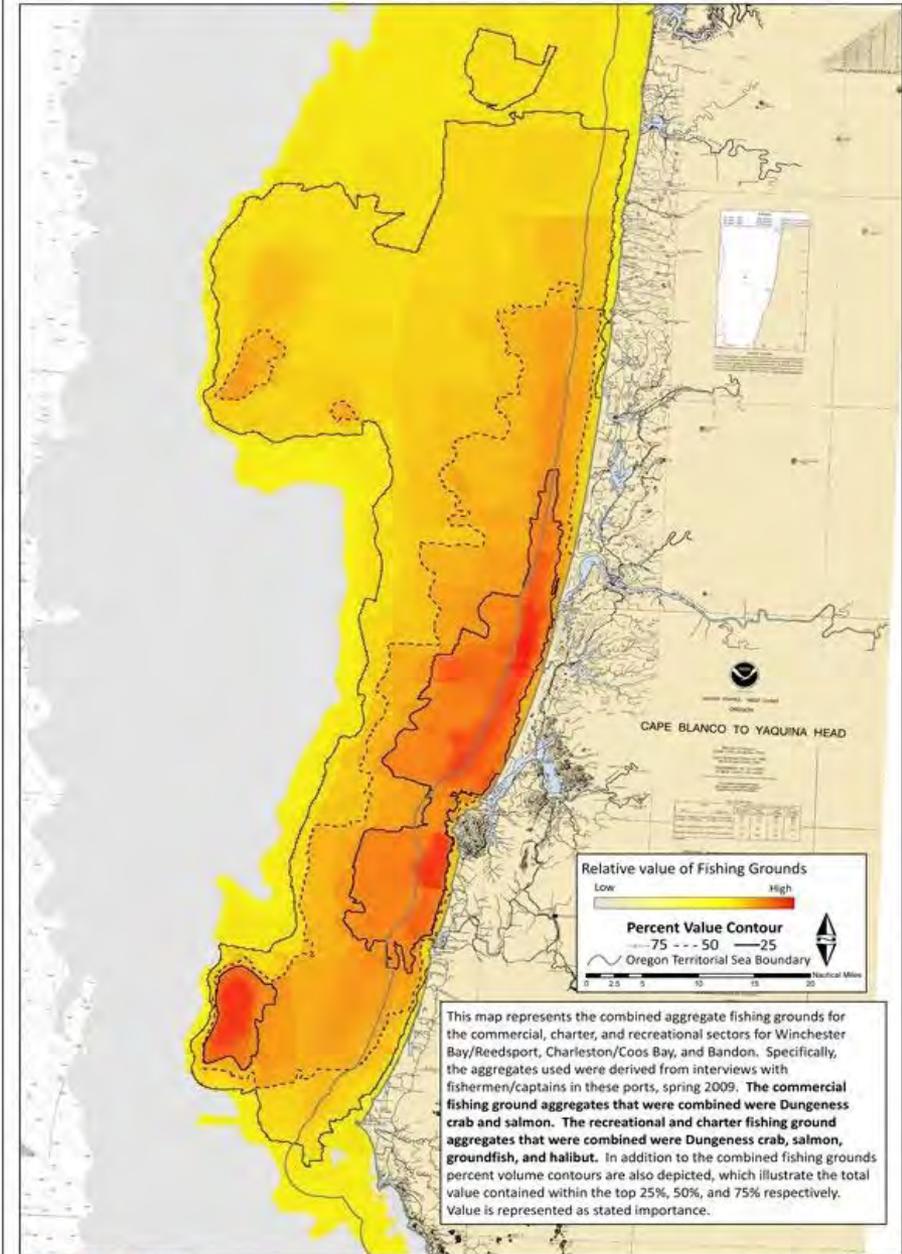
- Coos Bay
- Charleston
- Bandon
- Reedsport

Data Collection for all ports to be completed by end 2010.

Surveys of commercial, charter and recreational fishing effort.

## Southern Oregon Ocean Resource Coalition (SOORC) Pilot Project Combined Value Fishing Grounds

All landings (Winchester Bay/Reedsport - Charleston/Coos Bay - Bandon), All sectors (commercial, charter, recreational sport boat)



# Protecting Habitat: Marine Reserves

## Governor's Executive Order

### Set Sideboards for Process:

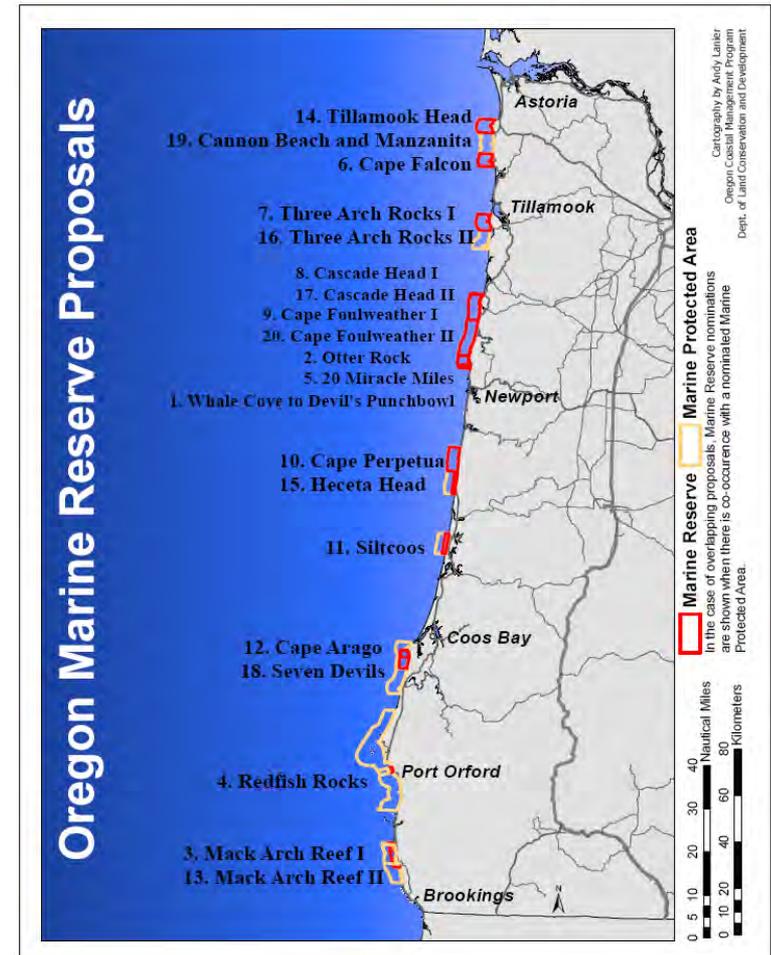
- Nine or fewer sites
- Ecologically meaningful
- Avoid significant socio-economic hardship
- Reward collaboration

## Ocean Policy Advisory Council (OPAC)

- Legislatively mandated marine policy advisory body

Public Submitted 20 proposals for further evaluation

Agency Analysis



# Marine Reserves Legislation

- Sponsored by Coastal Caucus
- Implement OPAC recommendations on six areas
- Requires a marine reserves work plan
- Funding:
  - \$1 million of state funds allocated (*New Carissa settlement funds*)
  - Other funds - can accept donations and grants
- Progress report to legislature on or before Nov. 30, 2010



# Marine Reserve Sites

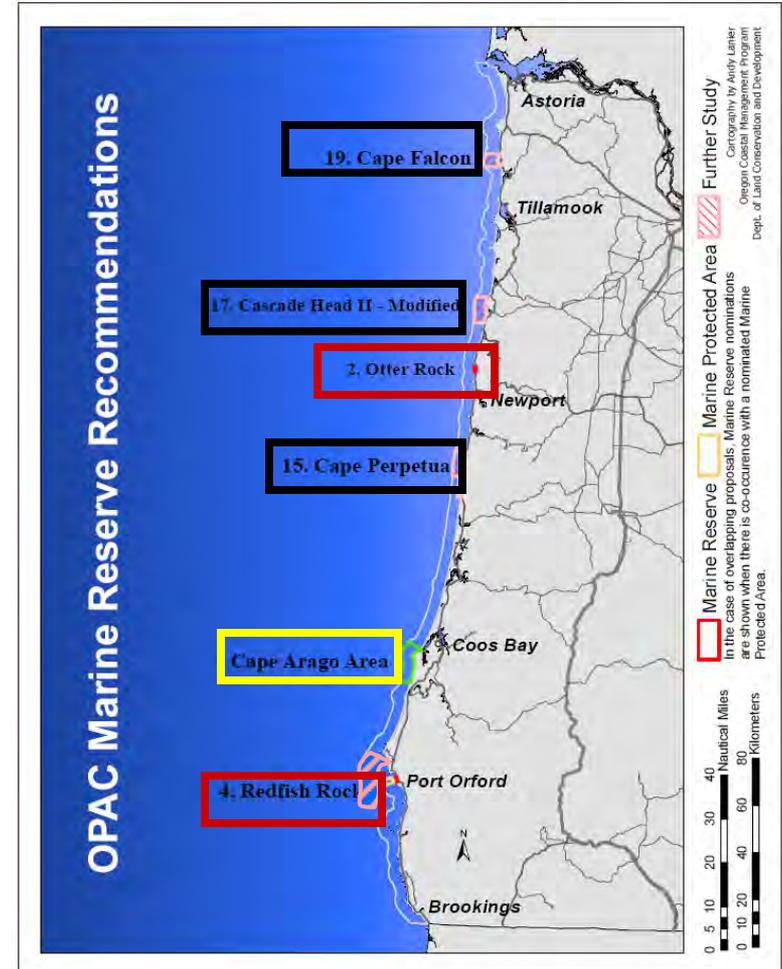
Area for new proposal



Pilot sites



Areas for further evaluation



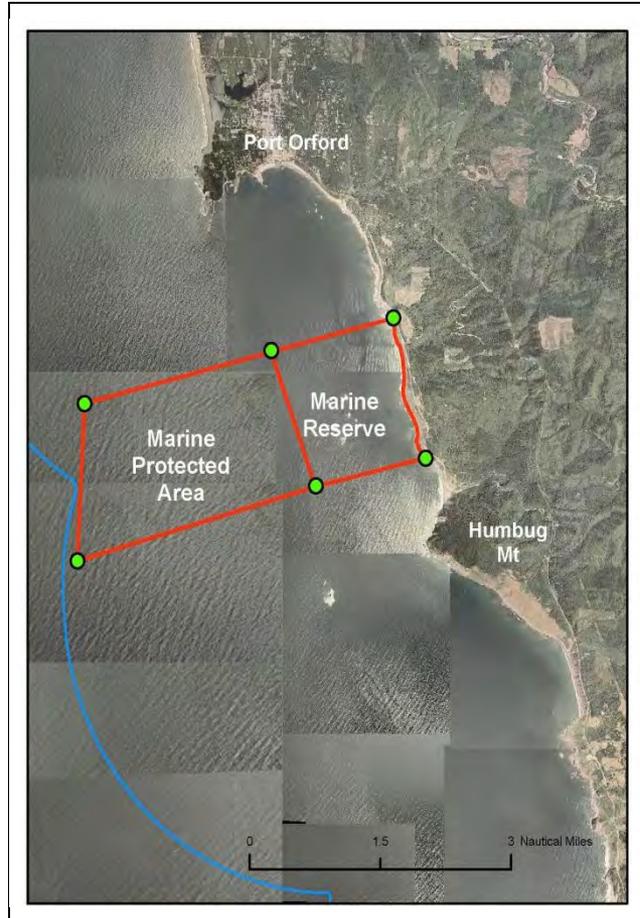
- Proposal site: support development of new proposal
- Pilot sites: establish, study, monitor, evaluate, and enforce
- Evaluation sites: study and evaluate

# Pilot Marine Reserve Sites

Otter Rock



Redfish Rocks



Community teams

Management plans

Socioeconomic Data

Ecological Data

- Baseline studies
  - oceanographic
  - habitat and species
- Monitoring reserve and comparison areas to evaluate effects of reserve designation

# Marine Reserves: Future

- Proposal site: potential recommendation
- Pilot sites: implement monitoring plans with prohibitions taking effect in summer of 2010
- Evaluation sites: recommendations to ODFW and Legislature
- Continuation of community teams & public engagement through process
- Funding: secure diverse portfolio of federal, state, private

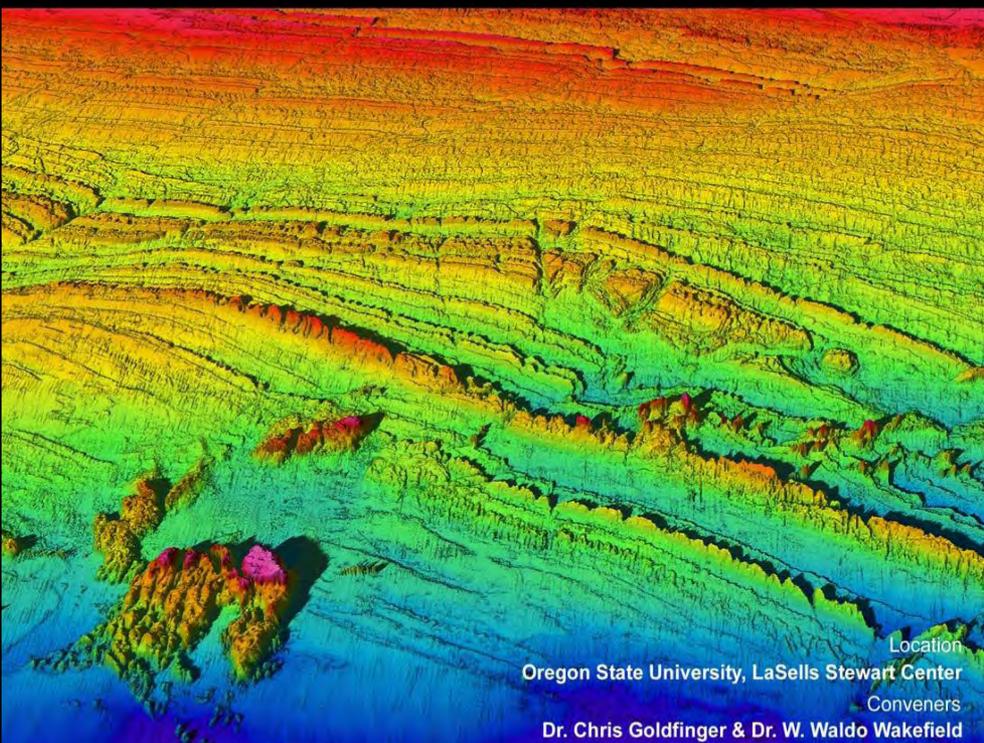


# Data Layer needed for Marine Spatial Planning: Bathymetry

Seafloor mapping of the Territorial Sea

- Seafloor mapping workshop held
- Priority areas selected
- Collaboration by academia, private industry, fishing boats, agencies
- Field work completed 2010
- Mapping of nearly 50% of the Territorial Sea will be completed

Oregon State  
**Seafloor Mapping Workshop**



Location  
Oregon State University, LaSells Stewart Center  
Conveners  
Dr. Chris Goldfinger & Dr. W. Waldo Wakefield

Meeting Sponsors:



Multibeam bathymetry of Seal Rock Reef, Oregon, Image courtesy of the Oregon Department of Fish and Wildlife

# Marine Spatial Planning Needs

## wave energy and beyond

- impact assessment
- mitigation
- monitoring design
- implementation

## marine reserves and nearshore research

- monitoring and research
- enforcement
- outreach
- adaptive management
- community based projects

## General Needs

- Data for decision making: integration, gap analysis, new data collection
- Scientific expert input and coordination
- Stakeholder: full engagement, minimize fatigue, coordinate effort, build capacity
- Research centers: economic development, research, education, and outreach