

# Federal Marine Spatial Planning: West Coast Update

Hosted by  
Val Stori, Project Director, Clean Energy Group

February 2, 2017



# Housekeeping



All participants are in “Listen-Only” mode. Select “Use Mic & Speakers” to avoid toll charges and use your computer’s VOIP capabilities. Or select “Use Telephone” and enter your PIN onto your phone key pad.

Submit your questions at any time by typing in the Question Box and hitting Send.

**This webinar is being recorded.**

You will find a recording of this webinar, along with Clean Energy Group's previous offshore wind webinars, online at:

[www.cleanegroup.org/ceg-projects/offshore-wind-accelerator-project/webinars](http://www.cleanegroup.org/ceg-projects/offshore-wind-accelerator-project/webinars)

# Offshore Wind Accelerator Project

The **Offshore Wind Accelerator Project** (OWAP) is managed by Clean Energy Group and the Clean Energy States Alliance (CESA).



OWAP has two main focuses:

- 1) Work with states to help them in their efforts to advance offshore wind
- 2) Engage in broad-ranging communication efforts about offshore wind news and developments

Visit our website to read more about OWAP, watch past webinars, and sign up for our e-newsletter:

[www.cleanegroup.org/ceg-projects/offshore-wind-accelerator-project](http://www.cleanegroup.org/ceg-projects/offshore-wind-accelerator-project)

Connect with OWAP on social media:

[facebook.com/offshorewindworks](https://facebook.com/offshorewindworks)

@OSWindWorks on Twitter





The **Northeast Wind Resource Center** (NWRC) provides salient information on land-based and offshore wind energy in the Northeastern United States. Published research, studies, and analyses associated with the issues impacting public acceptance of wind deployment are available in the NWRC Resource Library.

[www.northeastwindcenter.org](http://www.northeastwindcenter.org)





# Panelists

- **Jason Busch**, Executive Director, Pacific Ocean Energy Trust
- **Andy Lanier**, Marine Affairs Coordinator, Oregon Department of Land Conservation and Development
- **Jennifer Hennessey**, Senior Ocean Planner, Shorelands & Environmental Assistance Program, Washington State Department of Ecology
- **John Hansen**, Coordinator, West Coast Regional Planning Body

**Moderator:** Val Stori, Project Director, Clean Energy Group



# National Ocean Policy



The National Ocean Policy, established by Executive Order 13547 on July 19th, 2010, strives to implement the vision statement:

"An America whose stewardship ensures that the ocean, our coasts, and

## Mid-Atlantic Regional Ocean Action Plan Certified by the NOC

*Posted on Dec 8, 2016*



Website for the Northeast Regional Planning Body

**ACTION  
PLAN**

### Webinar - Northeast Ocean Planning and Offshore Wind:

[www.cleanenergygroup.org/webinar/northeast-ocean-planning-offshore-wind](http://www.cleanenergygroup.org/webinar/northeast-ocean-planning-offshore-wind)

England; the strength of the plan is a direct result of dedicated people.





# Marine Spatial Planning in Oregon

Andy Lanier

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Marine Affairs Coordinator

Oregon Coastal Management Program

Dept. of Land Conservation and Development



# Oregon's Ocean Management Framework

## Policy framework:

**Statewide Planning Goal 19, Ocean Resources** (1977, 2000)

**Ocean Resources Management Plan** (1990)

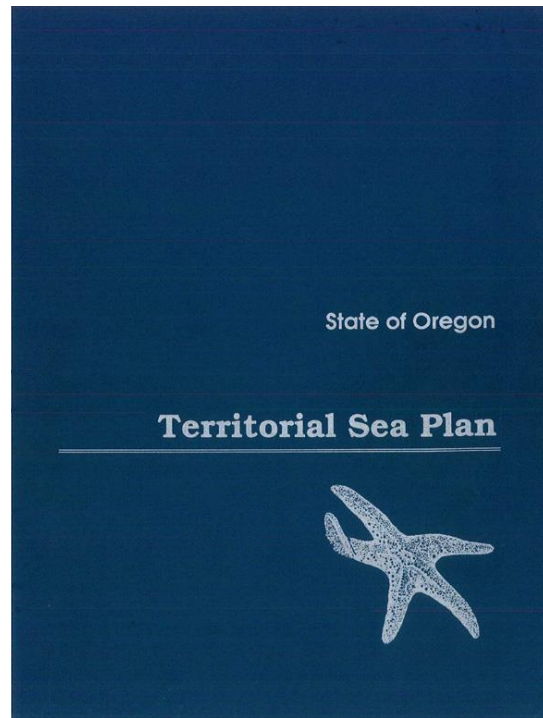
**Oregon Ocean Resources Management Act**, (1991)

**Oregon Territorial Sea Plan** (1994, 2001, 2009, 2013)

## Policy Process:

The Ocean Policy Advisory Council is Oregon's official stakeholder advisory body.

Assistance is provided by the Scientific and Technical Advisory Committee (STAC)





# Oregon Territorial Sea Plan

## Part One: Ocean Management Goals

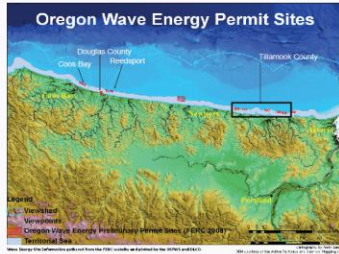
The overall ocean management goal of the State of Oregon is to: Conserve the long-term values, benefits, and natural resources of the nearshore ocean and the continental shelf.

To achieve this goal, the State of Oregon will:

- give **higher priority to the protection of renewable marine resources** than to the development of non-renewable ocean resources;
- support development of ocean resources that is **environmentally sound and economically beneficial** to coastal communities and the state;
- protect the **diversity of marine life**, the **functions** of the marine ecosystem, the diversity of marine and estuarine habitats, and the overall **health** of the **marine environment**; and
- seek the conservation of ocean resources within the larger marine region that is of **ecologic and economic interest** to the State of Oregon.

# Oregon's Territorial Sea Plan: It's a Plan... and a Process.

## Proposed New Uses

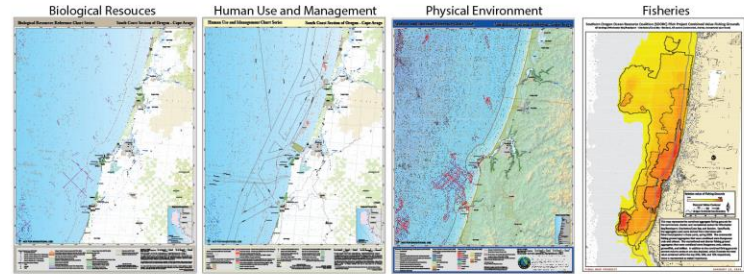


## 1. Resource Inventory

At a minimum, the following factors shall be considered for inclusion in the inventory as appropriate to the magnitude, likelihood of effects, and the significance of potentially affected resources and uses:

- 1.) The proposed action (i.e., method of power generation);
- 2.) Location and description of all affected areas, including areas for onshore support facilities;
- 3.) Physical and chemical oceanographic characteristics;
- 4.) Bathymetry (bottom topography);
- 5.) Geological structure and hazards;
- 6.) Biological features, including: critical marine habitats, Other habitats important to the marine ecology;
- 7.) Mineral deposits, including sand, gravel and hydrocarbon resources;
- 8.) Cultural, economic, and social uses (present and projected) associated with the affected resources, such as: (i) (a) Commercial and sport fishing; (b) Aquaculture; (c) Scientific research; (d) Ports, navigation, and DMD sites; (e) Recreation; (f) Tourism; (g) Mineral extraction; and (h) Waste discharge;
- 9.) Significant historical or archeological sites.

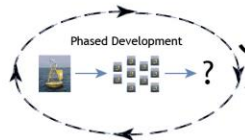
## 1b. Identify: Existing Uses



The charts above represent work recently completed in support of the Ocean Policy Advisory Council. The three on the left represent the database of GIS information gathered in support of the public marine reserves process in Oregon. The chart on the right was recently produced by SOORC, the Southern Oregon Ocean Resource Coalition, in support of the ongoing Territorial Sea Plan Amendment Process.

## 5. Implement Adaptive Management.

Incorporation of new findings and technologies into the operation and management of the project.



The adaptive management plan will explain processes for how adaptation measures will be applied to the operation and management of the project. The adaptive management plan should account for:

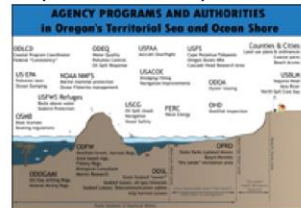
- 1) Variable conditions in the marine environment
- 2) Change in the status of resources
- 3) New information provided by monitoring of the project
- 4) Data and information provided by research and from other sources
- 5) New technologies that would provide for greater protection of ocean resources
- 6) Ocean fisheries
- 7) Other ocean uses to be protected from adverse effects and operational conflicts
- 8) Unanticipated cumulative effects

## Additional Resources:

Territorial Sea Plan. Available online at: [http://www.oregon.gov/LC/Ocean\\_TSP.shtml](http://www.oregon.gov/LC/Ocean_TSP.shtml)  
 Thematic Charts available online at: <http://www.OregonOcean.info/ThematicCharts>  
 Ecomarine Spatial Planning Information: <http://www.ecomarine.org/tsp/>  
 Alternative Energy Analysis Framework. Accessible online at the Oregon Wave Energy Trust: <http://www.oregonwave.org/>

## 4. Monitor:

### Compliance with Operation Plan



State and Federal Agencies with jurisdiction in the Territorial Sea will monitor the activities and effects of development as they occur.

Operation plans are required to include: contingency; inspection; monitoring; and adaptive management plans.

## Statewide Planning Goal 19: Ocean Resources

*To conserve marine resources and ecological functions for the purpose of providing long-term ecological, economic, and social value and benefits to future generations.*

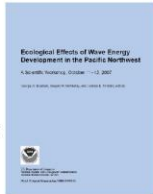
To carry out this goal, all actions by local, state, and federal agencies that are likely to affect the ocean resources and uses of Oregon's Territorial Sea shall be developed and conducted to conserve marine resources and ecological functions for the purpose of providing long-term ecological, economic, and social values and benefits and to give higher priority to the protection of renewable marine resources—i.e., living marine organisms—than to the development of non-renewable ocean resources.

## 2. Effects Evaluation and Assessment

Requires a written evaluation of:

The potential short-term and long-term effects on resources and uses of the Territorial Sea, the continental shelf, the nearshore ocean, and onshore areas.

Ecological Effects of Wave Energy. Development in the Pacific Northwest. A Scientific Workshop, October 11-12, 2007  
 George W. Boehlert, Gregory R. McMurray, and Cathryn E. Tortorici, editors



## 3. Planning: Establish suitable locations.

In its implementation of the TSP, the State is required to protect:

1. Living marine organisms i.e., renewable marine resources – from adverse effects of development of nonrenewable resources, uses of the ocean floor, or other actions;
2. The biological diversity of marine life and the functional integrity of the marine ecosystem;
3. Important marine habitats; and
4. Areas important to fisheries.

## Planning Tool: Oregon Marine Map



# PART FIVE PLAN MAP AREAS

Renewable Energy Exclusion Area (REEA)

Proprietary Use and Management Area (PUMA)

Resources and Uses Conservation Area (RUCA)

Resources and Uses Management Area (RUMA)

Renewable Energy Facility Suitability Study Area (REFSSA)

Renewable Energy Permit Area (REPA)

Special Management Areas designated by statute and OAR

Areas with authorized uses and special management designations under Goal 19

Areas with important, sensitive, or unique Goal 19 Resources and Uses

Areas with important or significant Goal 19 Resources and Uses

Areas of least conflict with Goal 19 Resources and Uses

Areas of existing MREC permits

MRE applications will not be accepted within these areas

MRE applications will not be accepted unless legally permissible, comply with the authorized use and area standards, and agreed to by the authorized users.

MRE applications must demonstrate **no reasonably foreseeable adverse effects** on inventoried marine resources and uses.\*

MRE applications must demonstrate **no significant adverse effects** on inventoried marine resources and uses.

MRE applications must comply with **TSP Part Five Sections B and C**, general standards, and the applicable regulatory and proprietary requirements of state and federal agencies.\*

Delineated sites with existing authorization for the development of MRE testing, research or facilities.

Visual Resource Area Overlay

Marine Recreation Area Overlay

Screening standards applied to all areas

Higher

Permit Review Standards

Lower

Already permitted.



# Table of Contents

## **PART FIVE: USES OF THE TERRITORIAL SEA FOR THE DEVELOPMENT OF RENEWABLE ENERGY FACILITIES OR OTHER RELATED STRUCTURES, EQUIPMENT OR FACILITIES**

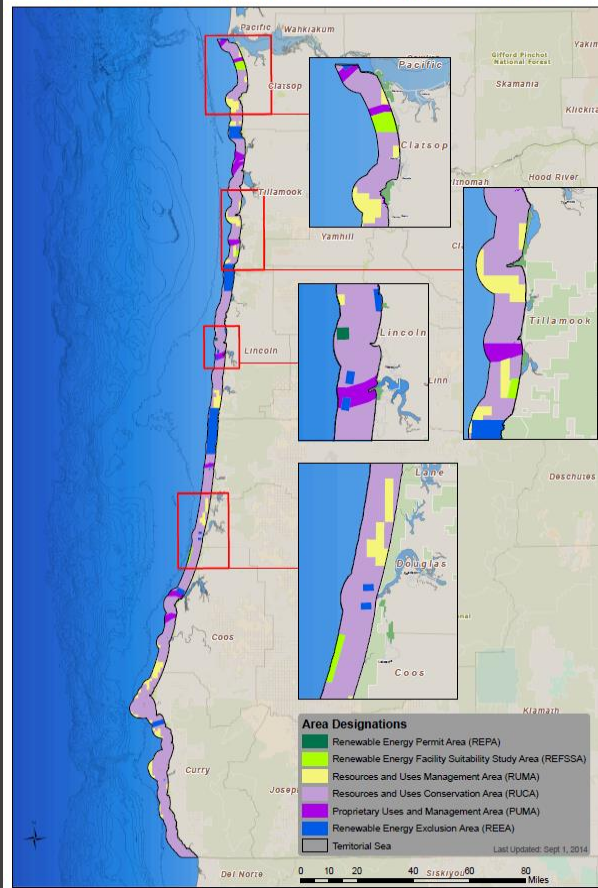
- A. RENEWABLE ENERGY FACILITIES DEVELOPMENT
  - 1. Background
  - 2. Policies
- B. IMPLEMENTATION REQUIREMENTS
  - 1. Siting Areas Designated for Renewable Energy Facilities Development
  - 2. State Agency Review Process
  - 3. JART Project Review Process and Coordination
  - 4. Resource Inventory and Effects Evaluation Standards
- C. APPLICATION REQUIREMENTS
  - 1. Pre-Application
  - 2. Financial Capacity
  - 3. Application Fee
- D. OPERATION PLAN DEVELOPMENT
  - 1. Phased Development Plan
  - 2. Facility Development Plan
  - 3. Project Operation Plan
  - 4. Decommissioning Plan
  - 5. Financial Assurance Plan
- E. NORTHWEST NATIONAL MARINE RENEWABLE ENERGY CENTER
  - 1. The Mobile Ocean Test Berth Site
  - 2. Regulating Agency Authorizations for MOTB Site Use
- F. PLAN REVIEW

### APPENDICIES TO PART FIVE:

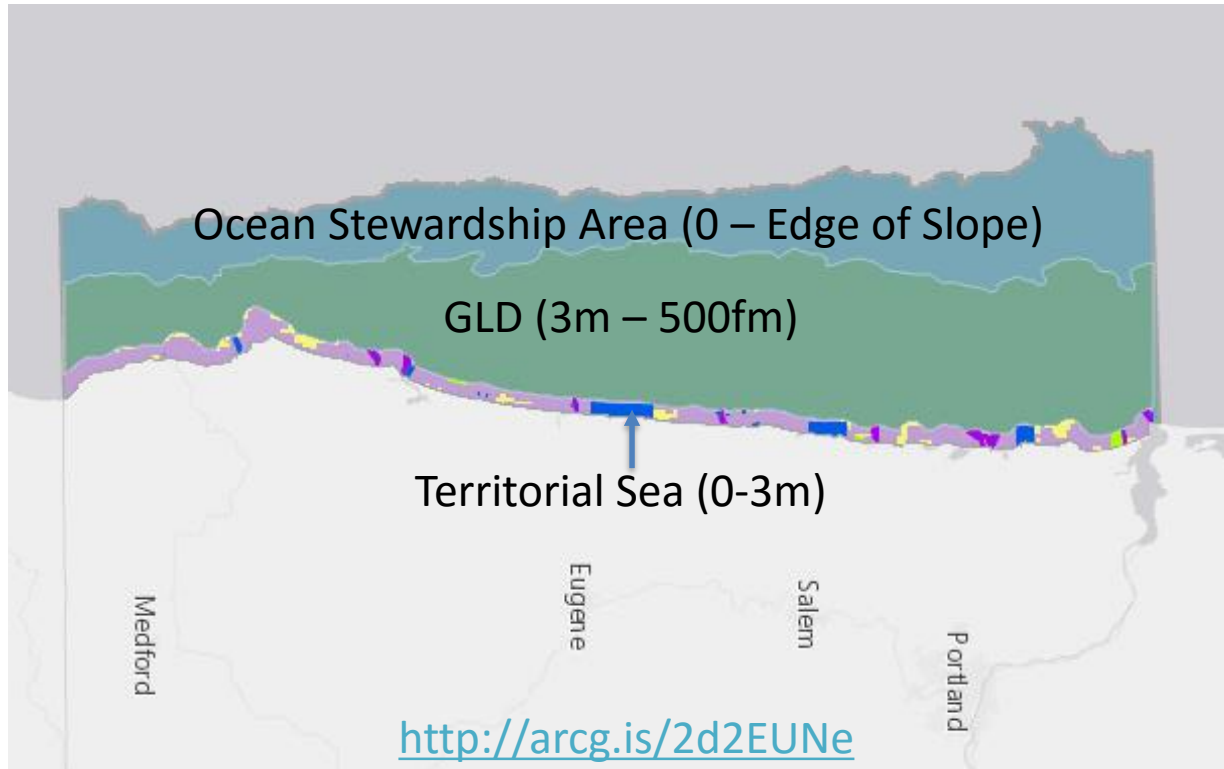
- Appendix A: Definitions and Terms
- Appendix B: Map Designations
- Appendix C: Enforceable Policies

[http://www.oregon.gov/LCD/OCMP/Pages/Ocean\\_TSP.aspx](http://www.oregon.gov/LCD/OCMP/Pages/Ocean_TSP.aspx)

## **Territorial Sea Plan Part Five Appendix B - Plan Map**



# Oregon Ocean Planning Areas



# What's in the GLD?

Part I Geographic Location Description	3
Part I A Delineation of the GLD Boundary	3
Part I B Description of Marine Renewable Energy Technologies	4
Figure 1 GLD Description Boundary Map (Figure 1)	6
Part II List of Federal License or Permit Activities	7
Part II A Thresholds	7
Part II B Federal Department License or Permit Activities	7
Part III Analysis of Effects on Coastal Resources and Uses	9
Part III A Definition of Coastal Effects	9
Part III B Description of the Oregon coastal zone and Outer Continental Shelf	9
Part III C Coastal Resource and Use Characterization	10
Part III D Marine Resource Uses	11
Part III D (1) Commercial and Recreational Fishing	12
Part III D (2) Submarine Cables	22
Part III D (3) Navigation	24
Part III D (4) Aesthetic Visual Resources	26
Part III D (5) Scientific Research	31
Part IV Marine Ecology\Natural Resources	35
Part IV A Fish and Invertebrates	36
Part IV B Coastal Bird	48
Part IV C Marine Mammals	68
Part IV D Ocean Habitat	89

## STATE OF OREGON GEOGRAPHIC LOCATION DESCRIPTION

Analysis of Reasonably Foreseeable Effects of Federal Actions Related to  
Marine Renewable Energy Projects on Resources and Uses Occurring within  
the Federal Waters of the Oregon Ocean Stewardship Area.



Oregon Department of Land Conservation and Development  
Coastal Management Program

This document, pursuant to 15 C.F.R. § 930.53, describes a geographic area in federal waters  
where certain federal license or permit activities, under 15 C.F.R. Part 930, Subpart D, and Outer

# What's next for Oregon?

- Participation in RPB and West Coast Ocean Partnership
  - Representation from : Oregon Coastal Management Program, Oregon Dept. of Fish and Wildlife Agencies
- Sub-regional RPB?
  - Interest from local governments, ocean stakeholders in participating
  - Ocean database of information gathered for TSP process can be used in regional coordination
  - Staff capacity and investment in process needs to be offset by benefits of the process

# Marine Spatial Planning for Washington's Pacific Coast



**Clean Energy States Alliance**  
**February 2, 2017**  
Jennifer Hennessey  
Washington State Dept. of Ecology



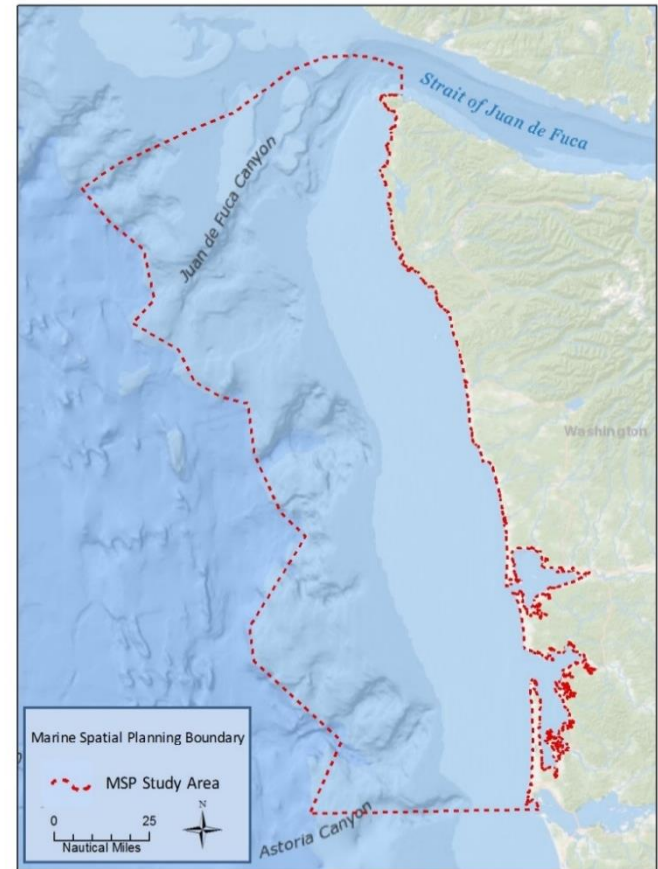
# Marine Spatial Planning for Washington's Pacific Coast

**Address potential new uses.**

## **Plan goals/objectives:**

- Protect existing uses
- Protect cultural uses/resources
- Preserve environment
- Integrate decision-making
- Provide new economic opportunities

## **Non-Regulatory Plan**



Study area is 700 fathoms offshore:  
includes state and federal waters and  
estuaries.

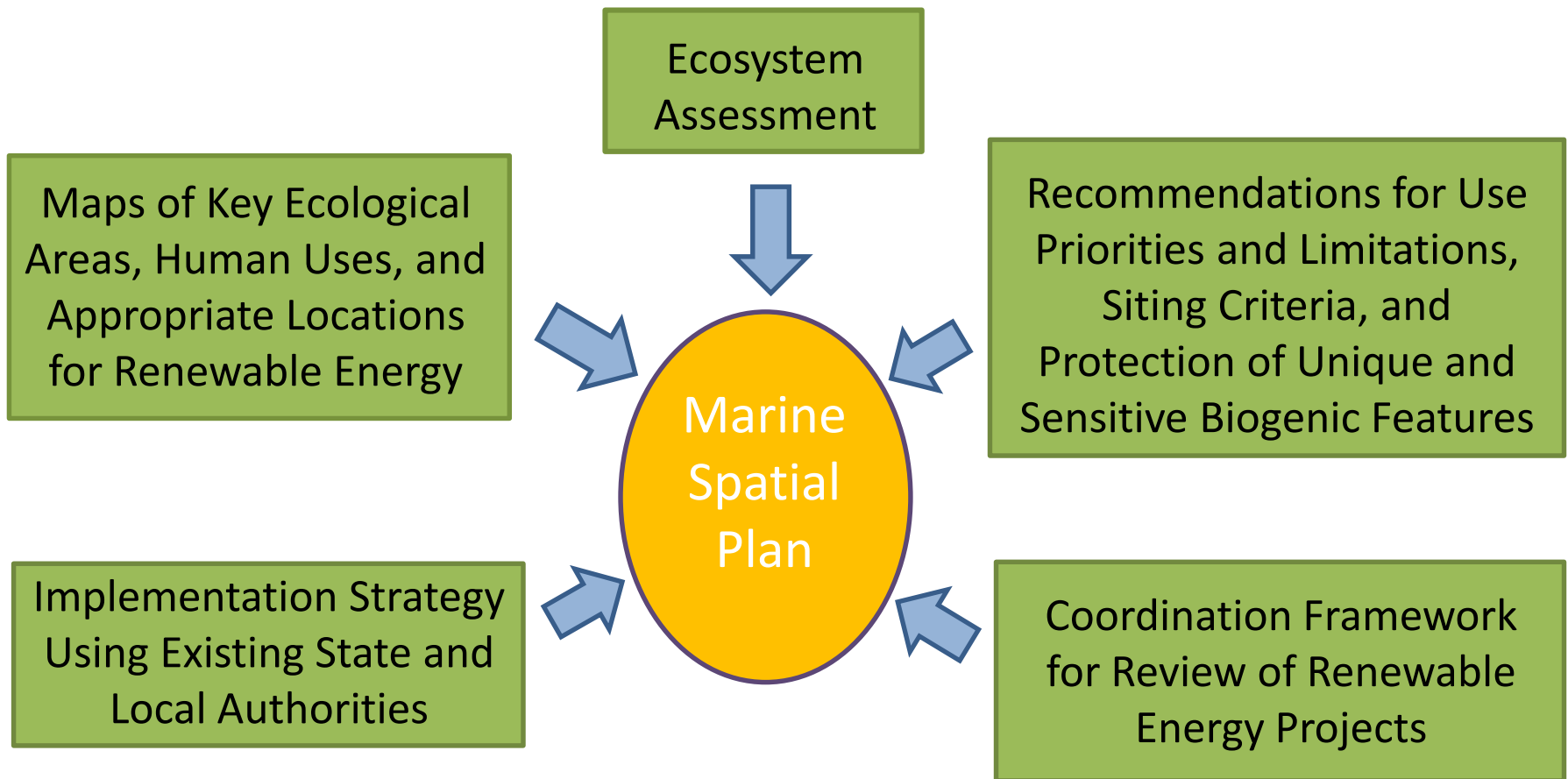
# How will the plan help?

- Better baseline information
- Ecosystem indicators to assess changes
- Analyses to support decision-making
- Recommendations for new uses
- Implementation framework across agencies





# Plan Requirements



**RCW 43.372.040(6)**

# Plan Outline

## Part 1

- Background and Purpose

## Part 2

- Context Chapters (Current and Potential Uses)

## Part 3

- Ecological & Use Analyses

## Part 4

- Management Framework (Recommendations)

## Part 5

- SEPA (separate document, likely)

# Part 2: Better Baseline Information

- Socio-Economics
- Archaeological and Historic Resources
- Ecology
- Current Ocean Uses
- Potential New Uses

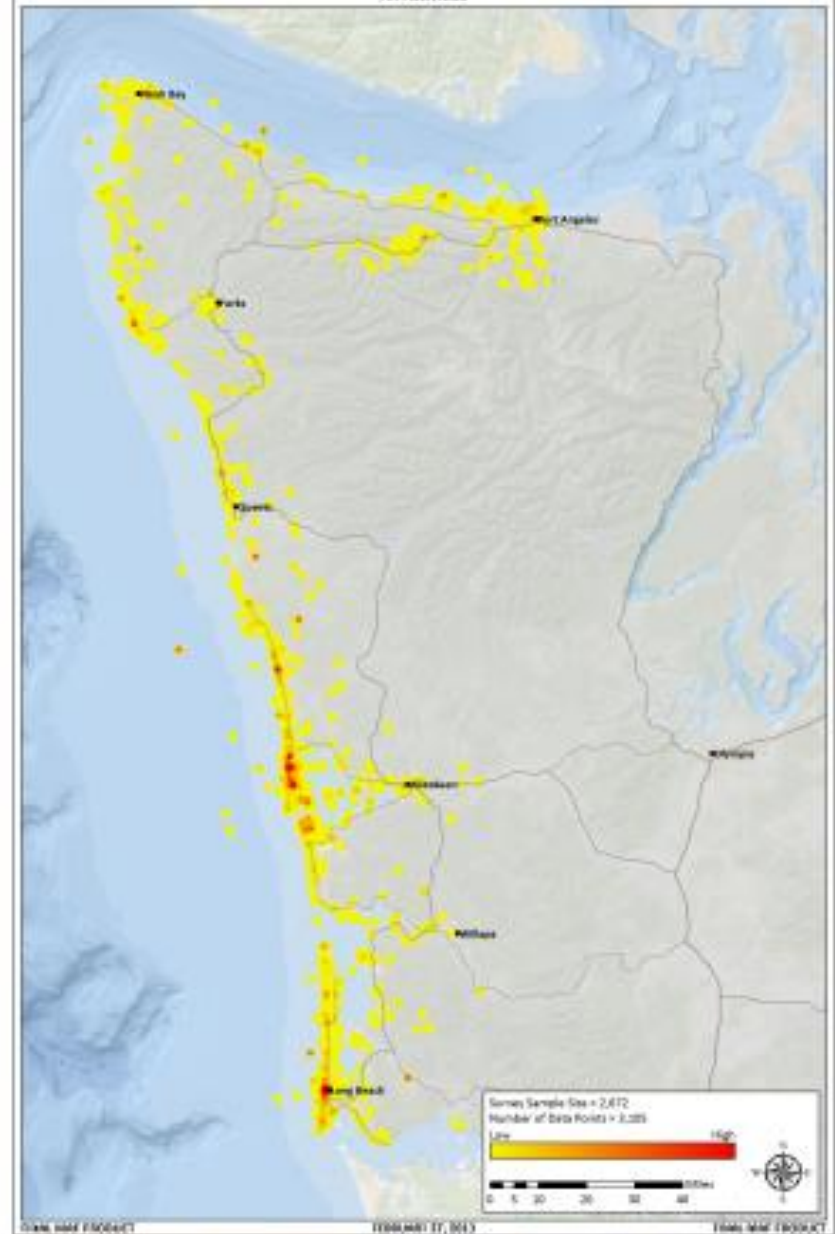
*Includes context and maps*



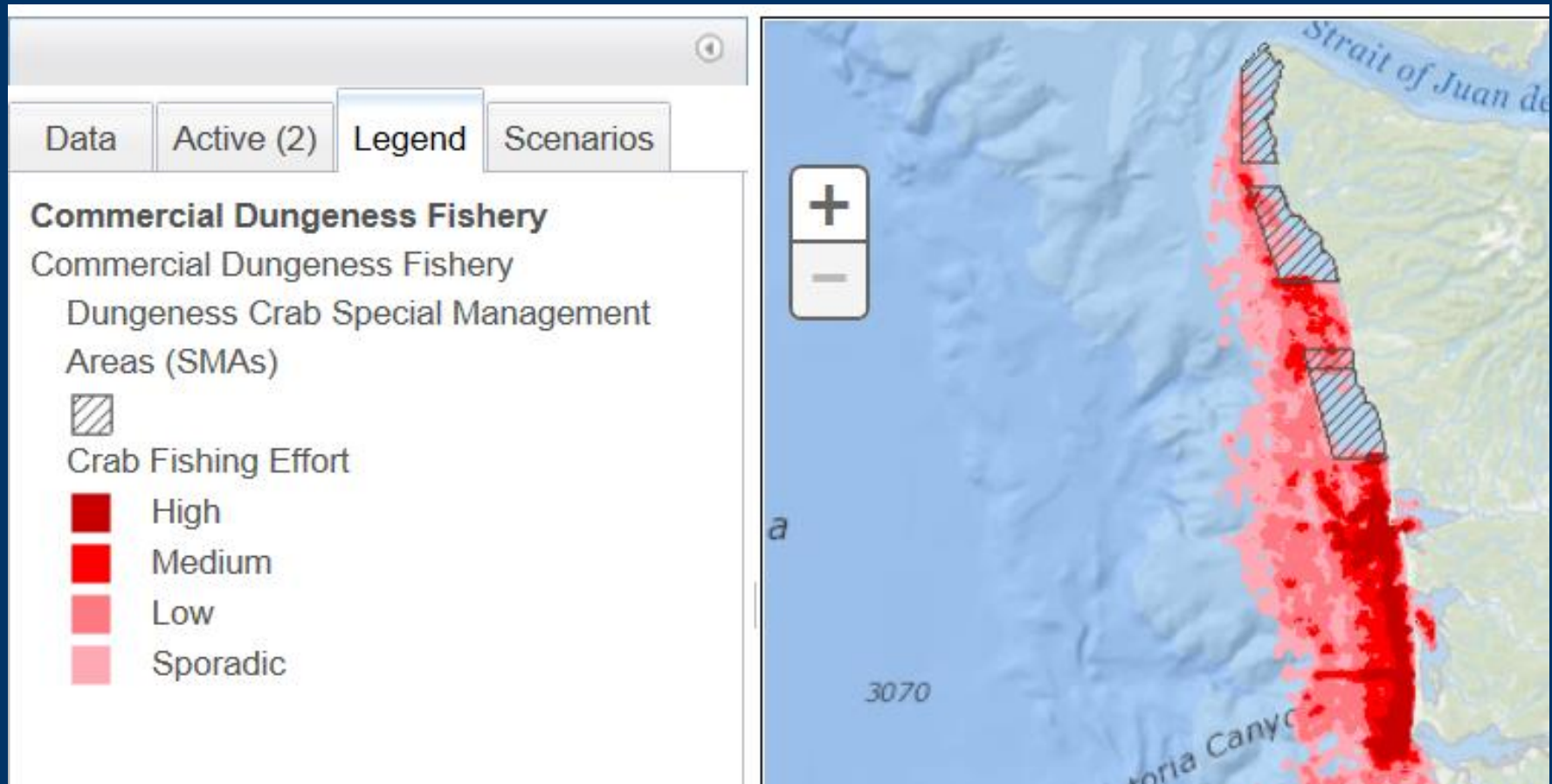
Washington Pacific Coast - Intensity of Coastal Recreation Use  
All Activities



Washington Pacific Coast - Intensity of Coastal Recreation Trip Expenditures  
All Activities



# Commercial Fisheries: Dungeness Crab





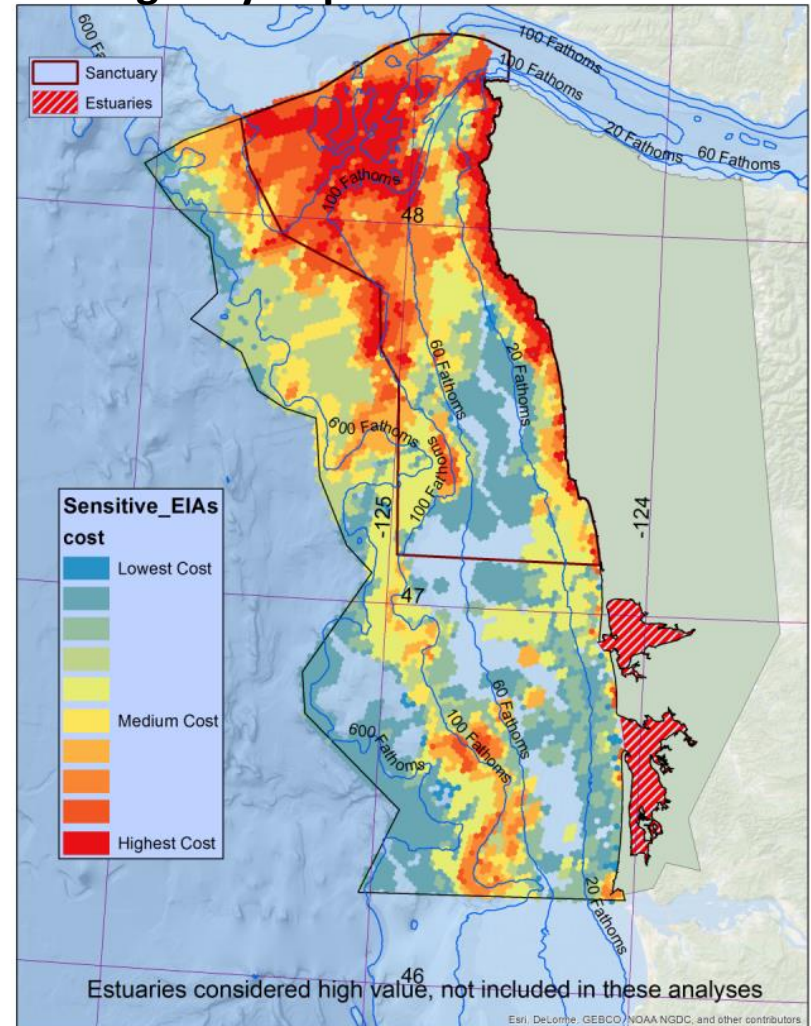
# Part 3: Spatial Analyses

Included habitats, fish, seabirds, marine mammals, and habitats that are particularly sensitive.

Includes endangered or threatened species or overfished species (yelloweye rockfish)

Also have a map with EIA hotspots.  
Looks at high importance across all data sets.

## Ecologically Important Areas: Sensitive

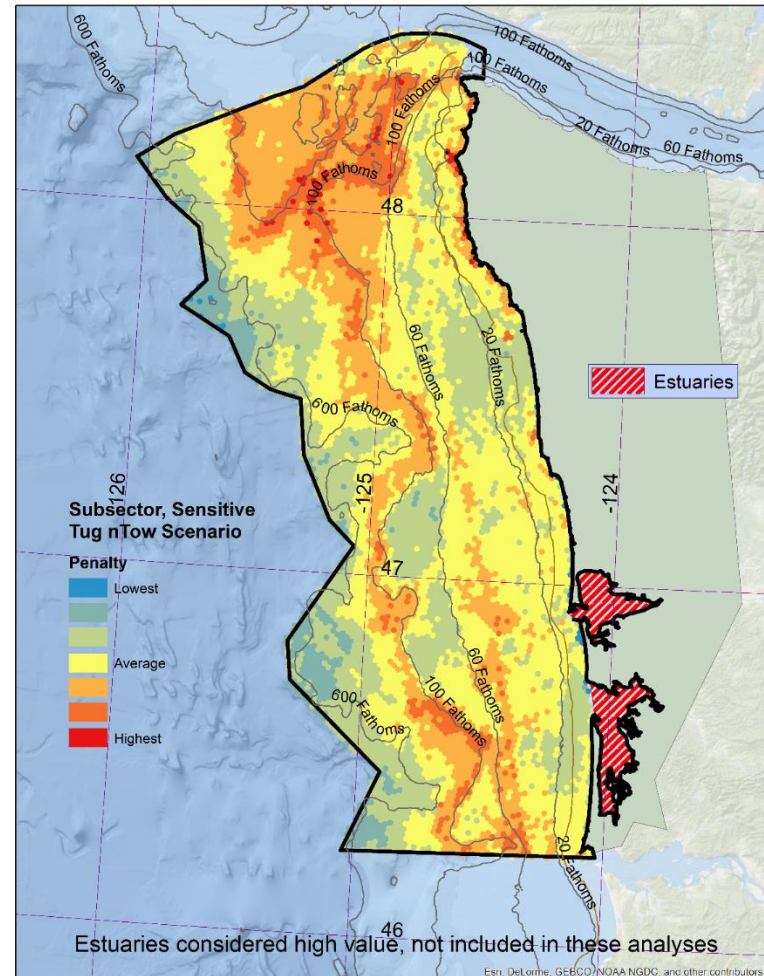


# Use Analysis: Inputs

## Existing Uses and Ecologically Important Areas Input Map

- Sensitive species, habitats, archaeological/historic sites
  - Crab adjusted for sandy-bottoms
- All other use sectors:
  - Fishing
  - Aquaculture
  - Ecologically Important Areas
  - Recreation
  - Transportation
  - Tug/Tow
- All values included (High, Medium and Low intensities)
- Weighted proportional to their intensity/use score

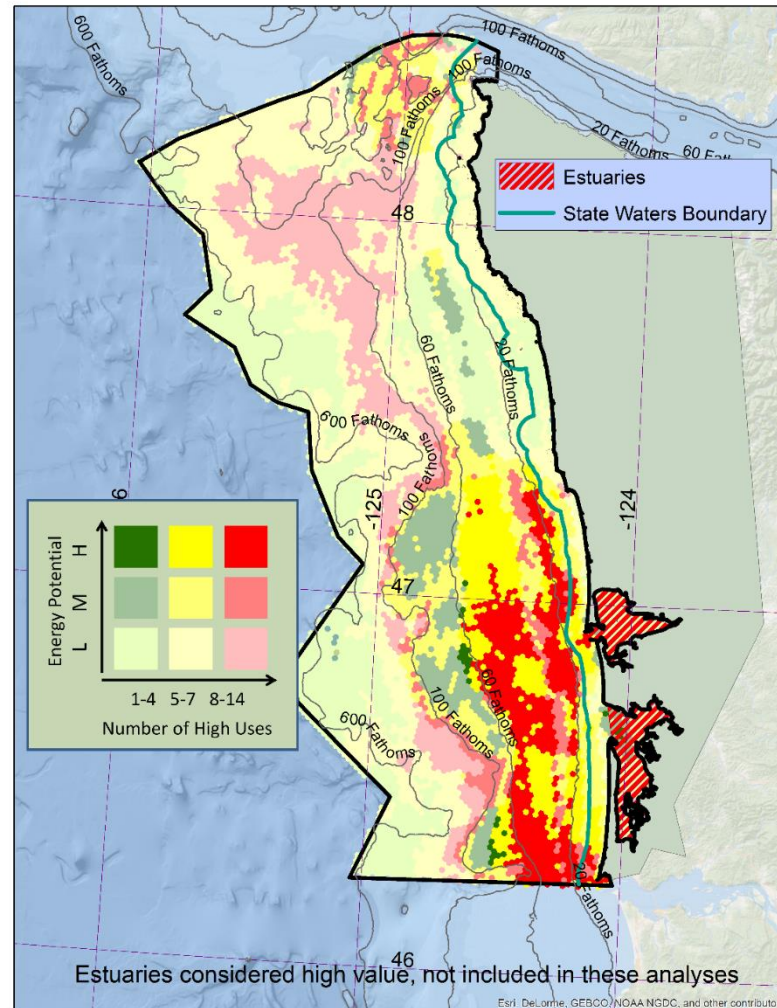
## Existing Uses and Ecologically Important Areas: Penalty Input Map





# Energy Potential (wind) and High Uses/Ecological Hotspots

Comparison of Wind Energy Potential and Existing High Uses/Ecological Hotspots



# Plan Outline

## Part 1

- Background and Purpose

## Part 2

- Context Chapters (Current and Potential Uses)

## Part 3

- Ecological & Use Analyses

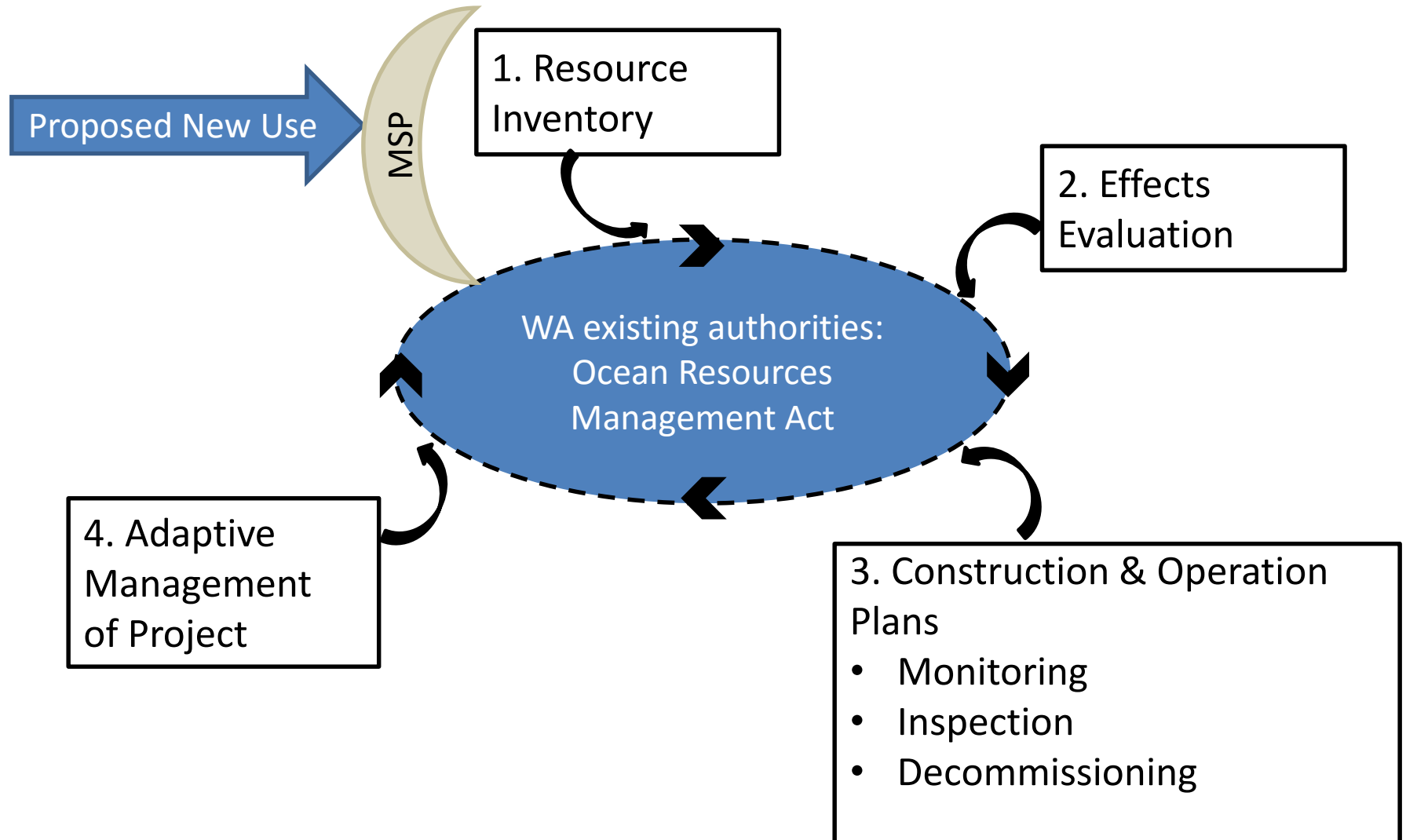
## Part 4

- Management Framework (Recommendations)

## Part 5

- SEPA (separate document, likely)

# A Plan and A Process



# Plan's outreach processes

Early coordination with:

- Agencies and tribes
- Affected fisheries
- Other coastal stakeholders and groups
  - Washington Coastal Marine Advisory Council

# Draft Spatial Recommendations

- Important, Sensitive, and Unique areas (ISUs) in state waters
  - Protect sensitive and unique ecological areas from offshore development.
- Examples: Coral, Kelp, Rocky Reefs, Bird colonies, and Forage Fish Spawning areas.

# Draft Spatial Recommendations

- Evaluate proposed projects on a case-by-case basis.
- Applicants should seek to avoid adverse impacts to existing uses and ecological areas in state waters.
- The greater the number of existing uses and ecologically important areas or the greater intensity of uses or ecologically important areas will likely result in a more difficult permitting process.

# Draft Spatial Recommendations

- Recommend no industrial-scale projects in state waters to minimize impacts to existing uses and resources.
  - Industrial scale – energy at scale for regional grid (larger production/more devices).
  - Community scale – energy at scale for local community/communities (smaller production/fewer devices) and with support of local community.



# Next Steps

- Complete research, drafting and recommendations
  - WCMAC recommendations
  - Tribal input
- Preliminary plan (Late Winter)
- Draft plan and draft EIS (Spring 2017)
  - Public comment period
- Final plan adopted (June 2017)



# Questions?

[www.msp.wa.gov](http://www.msp.wa.gov)

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WEST  
COAST  
REGIONAL  
PLANNING  
BODY

# WEST COAST RPB UPDATE

Clean Energy Group & Pacific Ocean Energy Trust Webinar

February 2 2017

## NATIONAL CONTEXT

### **2010: U.S. National Ocean Policy (Exec. Order 13547)**

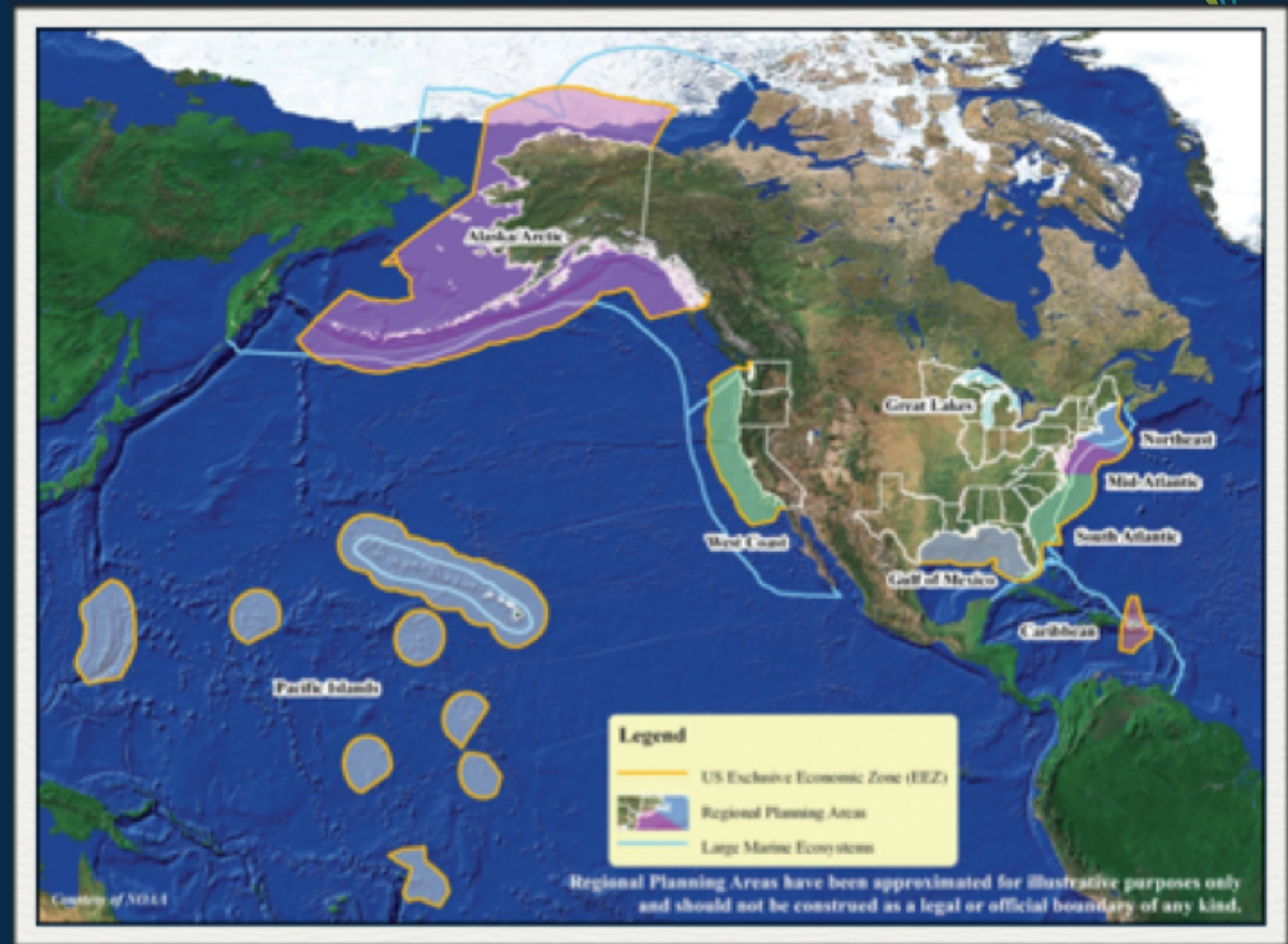
- Established the National Ocean Council (NOC) of 27 Federal agencies
- Directs Federal agencies to participate in the regional marine planning process
- Established the Governance Coordinating Committee (GCC)
- Called for the NOC to develop an Implementation Plan



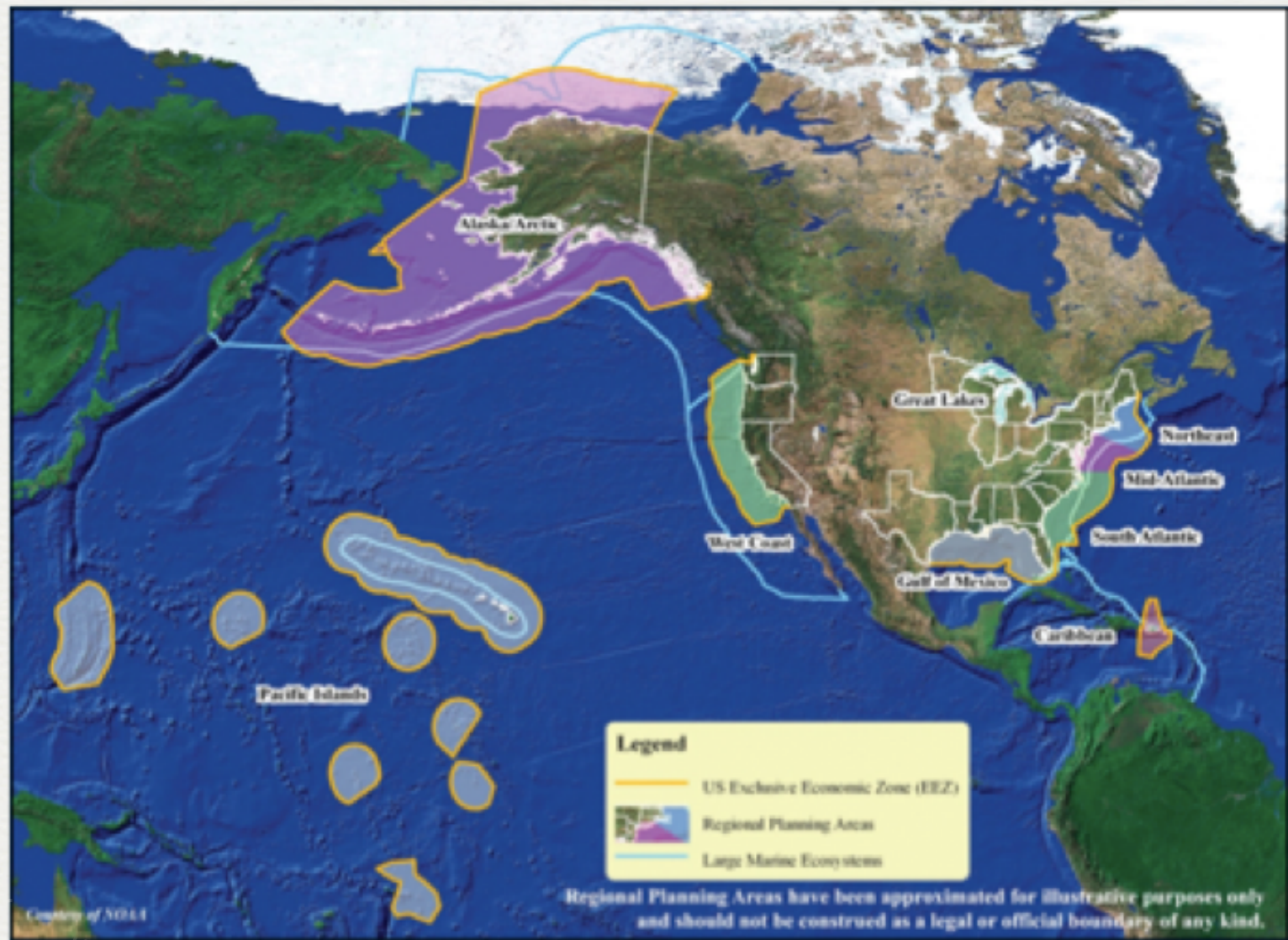
## NATIONAL CONTEXT

2013:

- National Ocean Policy Implementation Plan
- Marine Planning Handbook







## NATIONAL CONTEXT

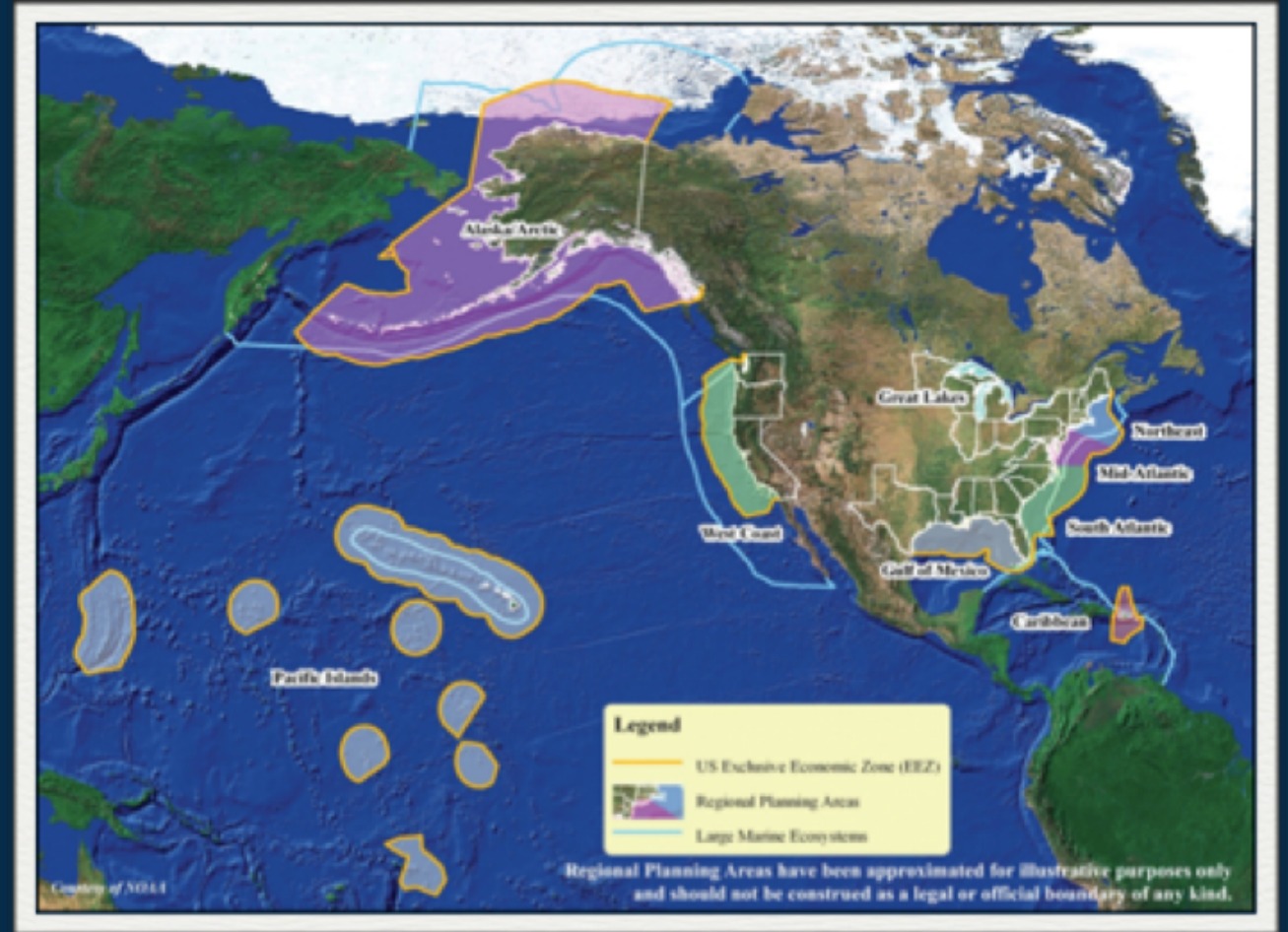
### **“Regional Planning Bodies”**

- Initiated by state and tribal governments w/ required federal engagement
- ‘Marine planning’ as tool
- Federal, State, Tribal & Fishery Council membership
- Voluntary
- Non-regulatory
- Final plans implemented by Federal agencies



## WEST COAST CONSIDERATIONS

- Scale
- Governance
- Existing Plans
- Stakeholder Engagement



## WEST COAST RPB: HISTORY

### ■ 2012

- Federal agency organization
- Regional tribal government assessment started

### ■ 2013

- RPB staff hired
- Coordinated outreach to interested Tribal & State governments

### ■ 2014

- Initial feedback from government partners
- Formalization of Tribal-State-Federal dialog



## WEST COAST RPB: HISTORY

### ■ 2015

- January: First in-person meeting
  - Agreement to form West Coast RPB
- Charter drafting
- Targeted RPB member outreach
- Feedback on regional vs. sub-regional approach
- Build on existing efforts



## WEST COAST RPB: REGIONAL STRUCTURE

### ■ RPB Members:

- Federally-recognized tribal governments\* - 1 seat per Tribe \*voluntary
- State governments\*- 2 seats per State \*voluntary
- Federal agencies - 1 seat per Dept / Agency
- Pacific Fishery Management Council - 1 seat

### ■ Structure:

- "Co-Leads" / Executive Secretariat: Federal, Tribal, State
  - Sub-regional Planning Teams
  - Ex-officio and work groups added as needed
- RPB develops a coast-wide and/or sub-regional "marine plan(s)" that address regional priorities and capacity
- RPB allows for flexibility in responsibility and tasks based on roles of regional partners

## WEST COAST RPB: MEMBERS

### Federal Government

- U.S. Coast Guard (District 11, District 13)
- U.S. Department of Defense (Navy)
- U.S. Dept. of Energy
- U.S. Dept. of Interior (including BIA, BLM, BOEM (DOI lead), BSEE, NPS (DOI alternate), USFWS, USGS)
- U.S. Dept. of Transportation
- U.S. Environmental Protection Agency (Region 9, Region 10)
- U.S. Joint Chiefs of Staff (U.S. Third Fleet)
- NOAA (RPB Federal Co-Lead)
- Pacific Fishery Management Council

## WEST COAST RPB: MEMBERS

### State Governments

- California:

- Resources Agency – Ocean Protection Council
- State Lands Commission\*  
(Pending formal approval Dec 2016)

- Oregon:

- Dept. of Land Conservation & Development
- Dept. of Fish & Wildlife

- Washington:

- Dept. of Ecology
- Dept. of Natural Resources

## WEST COAST RPB: MEMBERS

### Tribal Governments

- Confederated Tribes of Coos, Lower Umpqua, and Siuslaw Indians\*
- Confederated Tribes of Grand Ronde
- Confederated Tribes of Siletz Indians
- Coquille Tribe
- Elk Valley Rancheria
- Intertribal Sinkyone Wilderness Council\*
- Makah Tribe
- Quileute Tribe
- Quinault Tribe
- Tolowa Dee-ni' Nation
- Trinidad Rancheria
- Yurok Tribe

## WEST COAST RPB: HISTORY

### ■ 2016

- Finalize charter
- Sub-regional RPB member outreach
- Partner w/ West Coast Ocean Data Portal
- Initiate Ocean Assessment Inventory
- Initial member feedback on ocean planning issues
- Develop sub-regional approaches



# WEST COAST RPB: 2016 ANNUAL MEETING (OCT 2016)



## WEST COAST RPB: TASKS

### ■ RPB Current Tasks

- ▶ Define West Coast Objectives & Core Functions
- ▶ Support & Partner on Data Coordination
- ▶ Ocean Assessment: Inventory & Initiation
- ▶ Implement Communications & Engagement Plan
- ▶ Engage Sub-regional Dialogs

## WEST COAST RPB: REGIONAL ROLE

- Objectives (Draft)

- (1) Support **effective decision-making** and **ocean planning** along West Coast between government co-managers.
- (2) Enhance **information-sharing and data coordination** between governments, regional entities, non-governmental partners.
- (3) Increase **understanding of existing and emerging uses** on West Coast to promote **compatibility** and improve **transparency** and **efficiency** of government actions.

## WEST COAST RPB: REGIONAL ROLE

- Core Functions (Draft)

- (1) Regional Coordination & Communication
- (2) Engage & Strengthen Sub-regional Ocean Planning
- (3) Harmonize West Coast Ocean Planning Products
- (4) Support Effective West Coast Partnerships, Tools and Resources
- (5) Ensure Data Coordination & Info-sharing

## WEST COAST RPB: SUB-REGIONAL APPROACHES

### ■ RPB Charter: **Sub-regions**

- Voluntary sub-regional planning teams (SRPT)
- Priority: Build on existing efforts
- RPB members in sub-regions determine approach
- Define process, non-RPB engagement, planning products
- Sub-regional products to RPB for approval



## WEST COAST RPB: SUB-REGIONAL APPROACHES

- Priority: Build on Existing Efforts
  - Defer to existing / underway tribal and state planning activities
  - No impact on existing authorities, regulations, plans
  - Goal to enhance existing efforts, increase efficiency, transparency

### EXAMPLES

- Oregon: Territorial Sea Plan
- Washington: State of WA MSP, Tribal Marine Planning
- California: State-BOEM Energy Task Force



## WEST COAST RPB: NEXT STEPS



- Implement Communication & Engagement Plan
- Sub-regional Feedback
- Identify Existing & New Planning Issues
- Build Regional Partnerships

## WEST COAST RPB: CONNECT!

- John Hansen, RPB Coordinator
  - [john@westcoastmarineplanning.org](mailto:john@westcoastmarineplanning.org) / 510-788-9265
- [www.westcoastmarineplanning.org](http://www.westcoastmarineplanning.org)
  - /documents
  - /16meeting



# WEST COAST OCEAN DATA PORTAL

Clean Energy Group/POET Webinar  
Feb 2<sup>nd</sup>, 2017



## West Coast Ocean Data Portal, ACT Co-Chairs

**Steve Steinberg**

Principal Scientist – Information Management & Analysis  
Southern California Coastal Water Research Project (SCCWRP)

**Andy Lanier**

Marine Affairs Coordinator  
Oregon Coastal Management Program

and

**Allison Bailey**

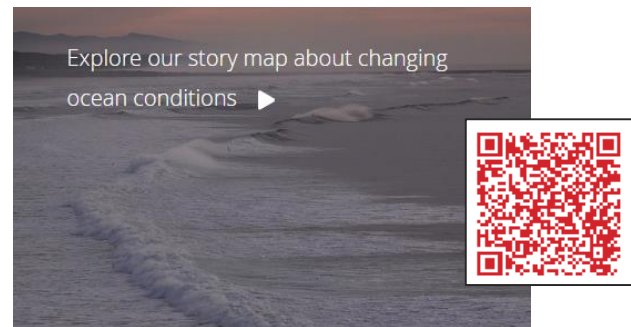
Sound GIS  
Project Consultant

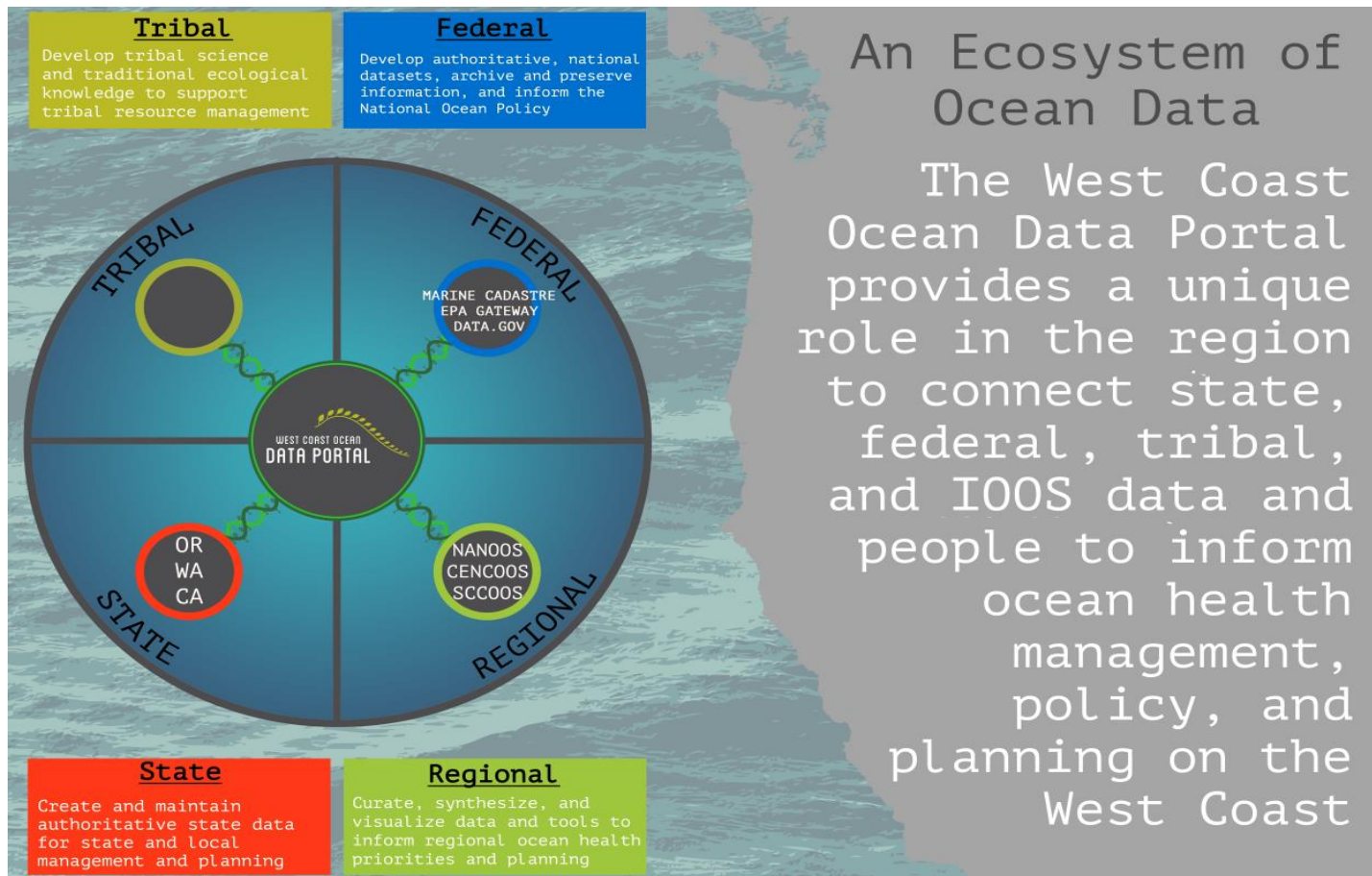


# Regional data portals



- Provide RPBs significant benefits
  - Data coordination among multiple entities
  - Organized and searchable information
    - Cataloged data sets
    - Metadata consistency
- Mechanisms to access and integrate data
  - Data downloads
  - Web services





# Discover



A project of the West Coast Governors Alliance in Ocean Health

DISCOVER

CONNECT

INFORM

ABOUT

WELCOME

Discover & contribute valuable data resources to inform ocean planning, policy development and resource management on the West Coast. ►

## Catalog

284

registered resources

SEARCH



DISCOVER

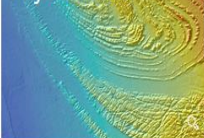
Biological Data



Q

DISCOVER

Physical Data



DISCOVER

Marine Debris Data



DISCOVER

Human Use Data



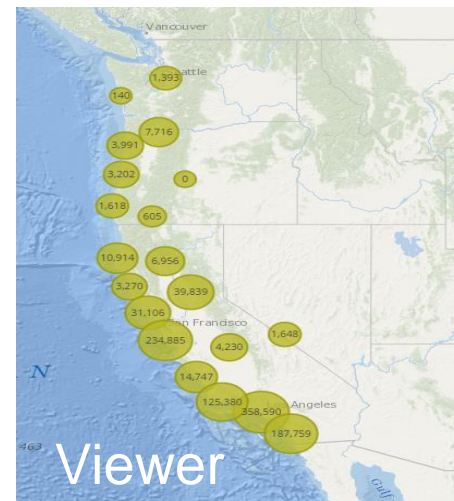
EXPLORE

Contributors: see who is contributing to the registry. ►

# Connect



# Inform



# West Coast Ocean Data Catalog



- ▶ Increase **discovery** and access of West Coast geospatial data
- ▶ Harvest from **existing** systems and data catalogs
- ▶ **Synthesize** unique data products with Partners
- ▶ Share **YOUR** data in the planning process
- ▶ Contribute your data to the process



# Stay Connected to OWAP!

Val Stori, Project Director

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Visit our website to read more about OWAP  
and sign up for our e-newsletter:

[www.cleanegroup.org/ceg-projects/offshore-wind-accelerator-project](http://www.cleanegroup.org/ceg-projects/offshore-wind-accelerator-project)