

BOEM Oregon Intergovernmental Renewable Energy Task Force

June 4, 2020

Teleconference Dial In: 1-877-806-9883 | passcode: 562147

Webinar Link: <http://kearnswest.adobeconnect.com/boemor/>

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Introductions and Agenda Review

Sylvia Ciborowski
Facilitator, Kearns & West






Process Overview

- **Webinar meeting**
- **Task Force is not a Federal Advisory Committee**
 - Only governmental bodies are able to be members
- **Meeting structure**
 - **Task Force meeting: 9:00 - 11:15 AM**
 - Asking questions/making comments during official meeting is limited to Task Force members
 - **Public input opportunity: 11:20 AM, after Task Force adjourns**
 - Public can provide input and make comments
- **Available following meeting at www.boem.gov/Oregon:
webinar recording, presentation, meeting summary**



Webinar Operating Protocols

Task Force Members:

- Please **keep yourself on mute** when not speaking. To mute and unmute:
 - If you are on your phone, **press *6 or your phone's mute button**
 - *Please do not put the line on hold*
 - If you are using your computer, click the microphone icon 
- Click the **“raise hand” icon** in the top of the webinar window to enter the discussion queue; click again to lower your hand after speaking 
- Click the **“full screen” button** – top right of the presentation pod – to make the presentation bigger 

Members of the public will be in listen-only mode until the public comment period. There will be a public input opportunity at 11:20 AM

Ground Rules

Honor the agenda

Participate actively and respectfully

Focus comments and speak concisely

Speak in order; facilitator will mind the queue

Speak clearly into the phone for others to hear you

Provide your name and affiliation each time you speak

Stay muted on your phone and computer when you are not speaking

Introductions – Task Force Members

Tribes

- Confederated Tribes of Coos, Lower Umpqua and Siuslaw Indians
- Confederated Tribes of Grand Ronde
- Confederated Tribes of Siletz Indians
- Coquille Indian Tribe

Local Governments

- Clatsop County Board of Commissioners
- Coos Bay City Council
- Coos County Board of Commissioners
- Curry County Board of Commissioners
- Douglas County Board of Commissioners
- Lane County Board of Commissioners
- Lincoln County Board of Commissioners
- Newport City Council
- Port of Newport Board of Commissioners
- Tillamook County Board of Commissioners

State Agencies

- Legislative Commission on Indian Services
- OR Dept of Energy
- OR Dept of Environmental Quality
- OR Dept of Fish and Wildlife
- OR Dept of Geology and Mineral Industries
- OR Dept of Justice
- OR Dept of Land Conservation and Development
- OR Dept of State Lands
- OR Governor's Office
- OR Parks and Recreation Dept
- OR State Historic Preservation Office

Federal Agencies

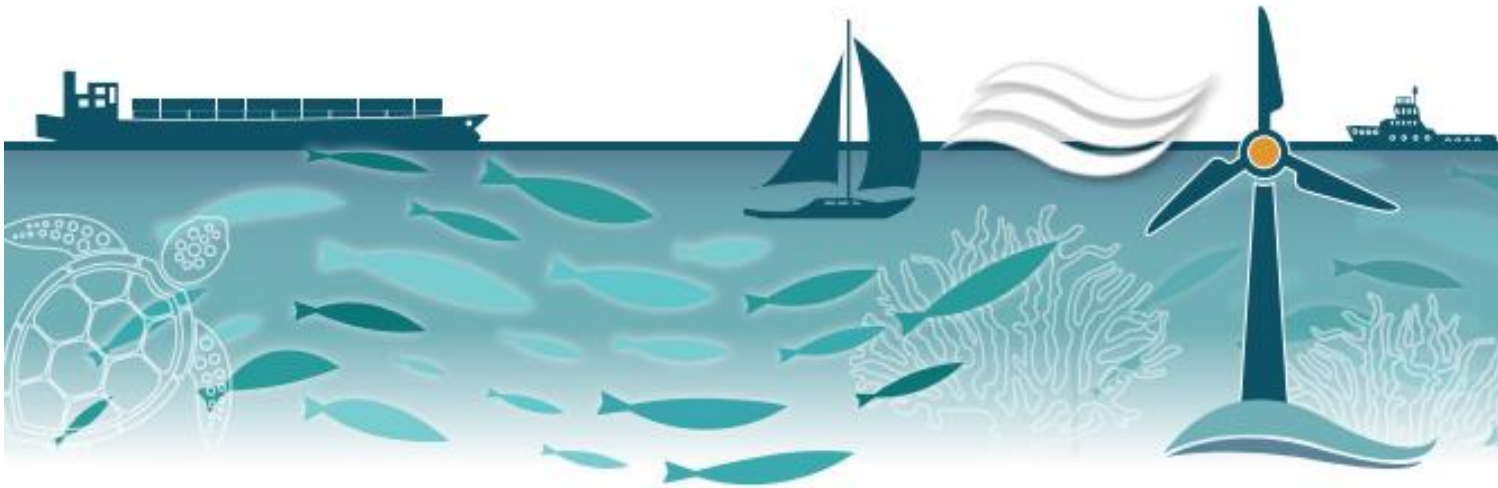
- Bonneville Power Administration
- Bureau of Indian Affairs
- Bureau of Land Management
- Bureau of Ocean Energy Management

- Bureau of Safety and Environmental Enforcement
- Department of Defense
- Federal Aviation Administration
- Federal Communications Commission
- Federal Energy Regulatory Commission
- National Oceanic and Atmospheric Administration
- National Park Service
- NOAA National Marine Fisheries Service
- U.S. Army Corps of Engineers
- U.S. Coast Guard
- U.S. Department of Energy
- U.S. Department of the Interior
- U.S. Environmental Protection Agency
- U.S. Fish and Wildlife Service
- U.S. Geological Survey



Meeting Purpose

- Review and discuss the draft BOEM Oregon Offshore Wind Energy Data Gathering and Engagement Plan



Agenda

9:10 - 9:20 AM	Welcome and Opening Remarks
9:20 - 9:45 AM	Task Force Member Updates
9:45 - 10:00 AM	Task Force Discussion <ul style="list-style-type: none">• Reflections on Task Force Member Updates
10:00 - 10:30 AM	Presentation on Data Gathering and Engagement Plan <ul style="list-style-type: none">• Engagement Plan• Data Catalog and Data Visualization Tools
10:30 - 11:00 AM	Task Force Member Discussion <ul style="list-style-type: none">• Clarifying Questions• Reflections on Engagement Plan• Reflections on Data Catalog and Data Visualization Tools
11:00 - 11:10 AM	Summary of Action Items and Next Steps
11:10 - 11:15 AM	Closing Remarks
11:15 AM	Official Task Force Meeting Ends
11:20 AM	Public Input Opportunity



Welcome and Opening Remarks



- **Doug Boren,**
BOEM Pacific Office, Office of Strategic Resources Regional Supervisor



- **Jason Miner,**
Oregon Governor's Office,
Natural Resources Policy Director



Task Force Member Updates



Task Force Member Updates

- **Federal Updates**
- **Tribal Updates**
- **Local Updates**
- **State Updates**

To Participate:

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- *Computer audio:*



Task Force Discussion

Reflections on Task Force Member Updates



Task Force Discussion

- Reflections on Task Force member updates

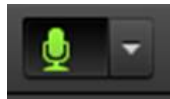
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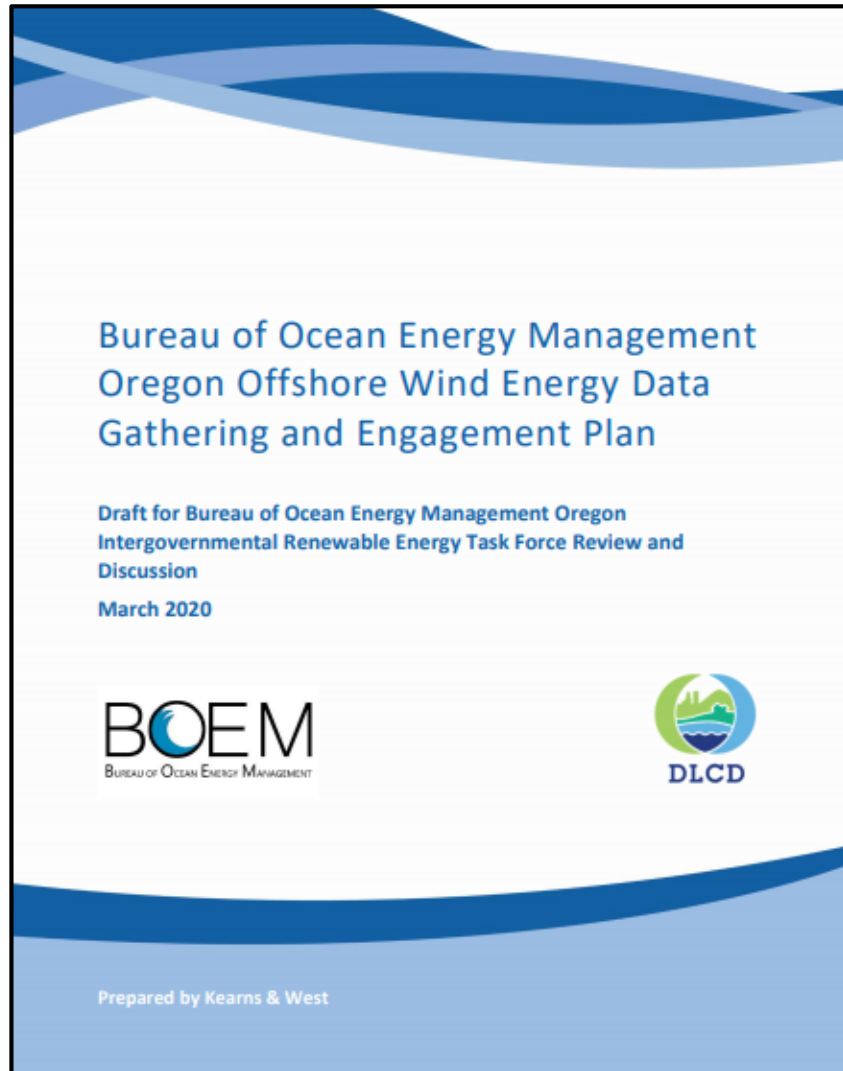
Draft BOEM Oregon Offshore Wind Energy Data Gathering and Engagement Plan (Plan)

Whitney Hauer, Ph.D.

BOEM Oregon Task Force Coordinator, BOEM Pacific Office



Draft Plan



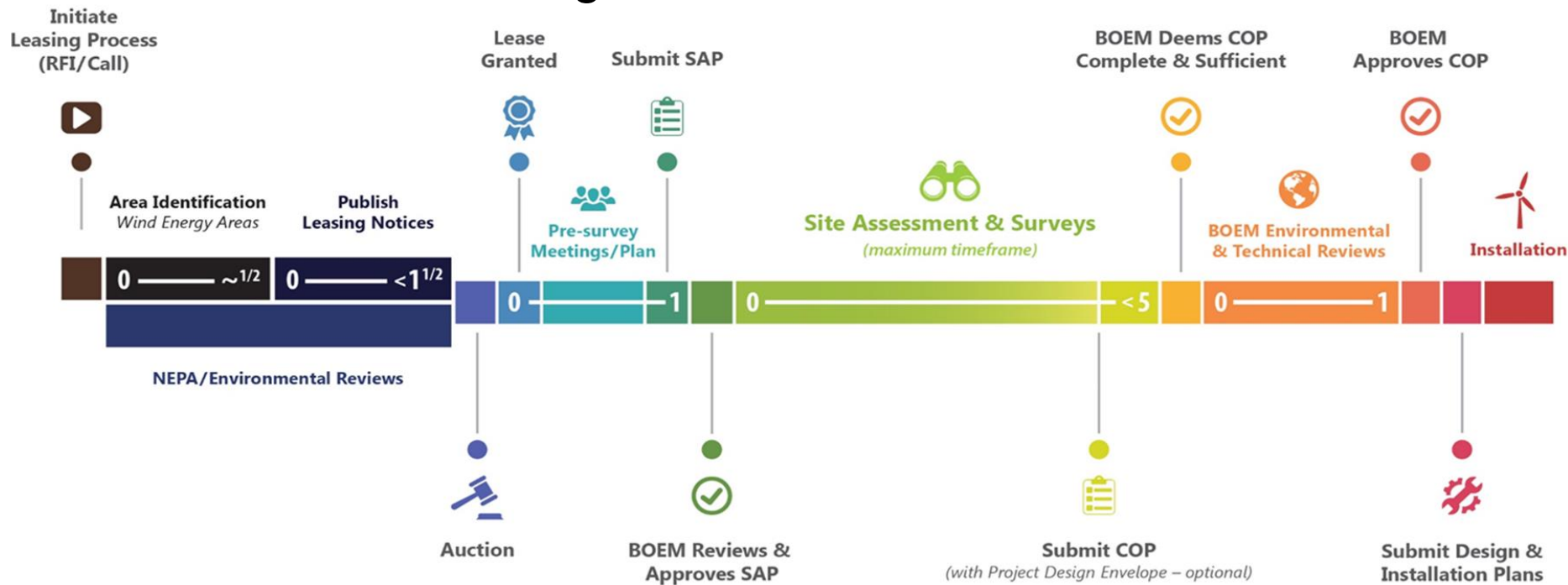
- Development of a draft Plan to review and discuss at a Task Force meeting was an action item from the Task Force meeting in September 2019
- Prepared by Kearns & West with input from BOEM and Oregon Department of Land Conservation and Development (DLCD)
- Distributed to Task Force members in March 2020
- Available at www.boem.gov/Oregon with Task Force Meeting Eight materials



Draft Plan Purpose

Outlines how BOEM and DLCD will

1. Engage with research organizations and potentially interested and affected parties
2. Gather data and information to inform potential OSW planning and leasing decisions offshore Oregon



Draft Plan Goals

- **Goal 1**

Interested and affected parties are informed of the data and information-gathering process for OSW planning and have meaningful opportunities to provide input.

- **Goal 2**

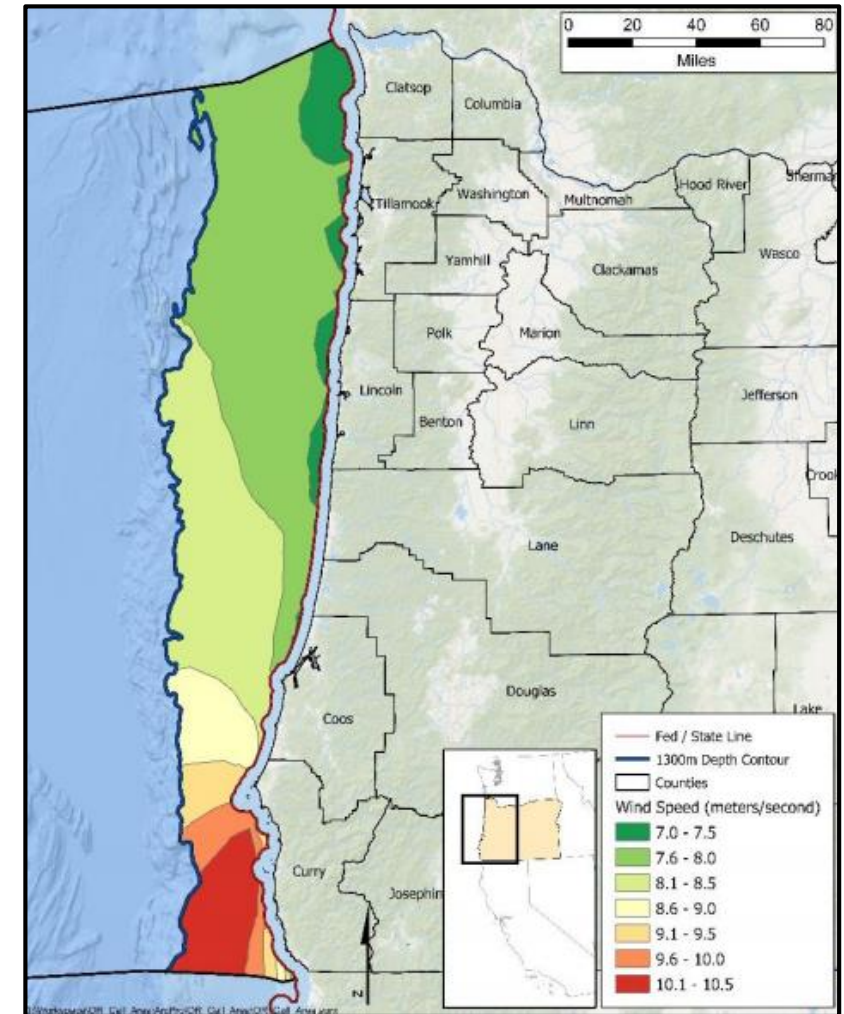
The best available data and information are collected to inform potential offshore wind planning and leasing decisions offshore Oregon.

- **Goal 3:**

BOEM and the State will build partnerships and a sense of shared ownership in OSW planning with interested and affected parties.

Planning Area

- **Outer Continental Shelf (OCS) (seaward of Oregon's territorial sea at 3 nautical miles) where OSW is viable based on current state of technology**
 - Water depths less than 1,300 meters (4,625 feet)
 - Average wind speed at least 7 meters/second (13.6 knots)
- **Three (3) subareas for planning**
 - North Coast: Clatsop and Tillamook counties
 - Central Coast: Lincoln and Lane counties
 - South Coast: Douglas, Coos, and Curry counties



Outreach Messages

- **BOEM's planning and leasing process consists of various phases over several years and includes multiple opportunities for public input.**
- **BOEM and the State of Oregon are engaging in a process to gather data and conduct outreach to understand the opportunities and challenges of offshore wind to inform future leasing and development decisions.**
- **Offshore wind has the potential to provide a new source of renewable energy.**
- **Floating offshore wind is likely to be used in deeper waters where Oregon's wind energy resource is located.**
- **Understanding the environment and uses of the offshore wind planning area are critical to planning. The primary focus is to gather data that identifies existing environmental information and uses.**

Potentially Interested Parties

- **Tribes:**

- BOEM will work to identify each federally recognized Tribe's preferred methods for engagement

- **Research organizations:**

- Identify and collect data and information relevant to offshore wind planning in Oregon

- **Ocean users: ports, fishing industry, tourism**

- Inform ocean users of the offshore wind planning efforts
- Identify and collect data on ocean uses relevant to offshore wind planning

- **Coastal communities and the general public:**

- Inform communities and the public of the offshore wind planning effort
- Identify and collect data relevant to offshore wind planning



Schedule: 12 Months

- **June 2020: Task Force Meeting**
- **July 2020: Finalize the Plan**
- **Summer-Fall 2020:**
 - Material development and meeting planning
 - Mapping tool development
 - Contact research organizations, potentially interested and affected parties, and Tribes
- **Fall 2020-Spring 2021:**
 - Ongoing engagement and meetings
 - Webinars
 - Public meetings along Oregon Coast and in Portland/Salem
- **Summer 2021: Final engagement report and Task Force meeting**
- **Overall: Website and email information updates**

Initial List of Potentially Interested Parties

- **Governmental Bodies and Tribes**
 - Federal agencies, Tribes, Oregon state agencies, elected officials, public utility districts
- **Research Organizations**
 - Universities, national laboratories, research organizations
- **Commissions, Councils, and Associations**
- **Environmental, Environmental Justice, and Interest Groups**
- **OSW Industry and Interest Groups**
- **Ocean Users and Interest Groups**
 - Ports, charters, fishing industry, tourism industry
- **Coastal Communities and Interest Groups**
 - Chambers of commerce, museums, visitor bureaus, boards of realtors



Next Steps

- **Task Force Input:**
 - Task Force meeting discussion
 - Written comments or feedback (Send to Whitney Hauer, whitney.hauer@boem.gov, by June 11, 2020)
- **Finalize Plan:**
 - Kearns & West, with input from BOEM and DLCD, will incorporate today's feedback and written feedback into the Plan
 - Final Plan will be distributed to the Task Force in Summer 2020



Oregon Ocean Data Catalog and Visualization Tool

Andy Lanier, Marine Affairs Coordinator
Oregon Department of Land Conservation and Development



Ocean Planning with the Oregon Coastal Management Program

Oregon's ocean planning framework:

- **Statewide Planning Goal 19, Ocean Resources**
(mandates protection of important marine habitat and fisheries)
- **Oregon Ocean Resources Management Act (ORS 196.405)**
(creates state-ocean governance structure)
- **Ocean Policy Advisory Council** (legislatively established stakeholder advisory body)
- **Oregon Territorial Sea Plan (TSP) – Rocky Habitats (Part 3), Subsea Cables (Part 4), Marine Renewable Energy (Part 5)**
(TSP contains specific enforceable policies for state ocean management)
- **CZMA Review Authority for Marine Renewable Energy** (through a GLD)



Guiding Principles in the Design of a Data Catalog

- Should be easy to search, well-organized, provide multiple ways to find the available data.
- Ensure public access to the information and data throughout the engagement and planning process.
- Data source methods and documentation provided for each available resource in the catalog, through FGDC compliant metadata.
- Where possible: provide data from the authoritative source using catalog networking technology.
- Use existing technology and infrastructure where possible, to leverage existing resources.



WELCOME

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

664

registered resources

SEARCH



DISCOVER

Biological Data



DISCOVER

Marine Debris Data

View marine debris composition and distribution.

Discover marine debris data sets.

DISCOVER

Human Use Data

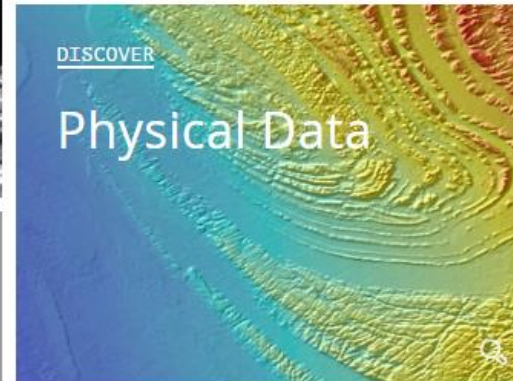


EXPLORE

Contributors: see who is contributing to the registry.

DISCOVER

Physical Data



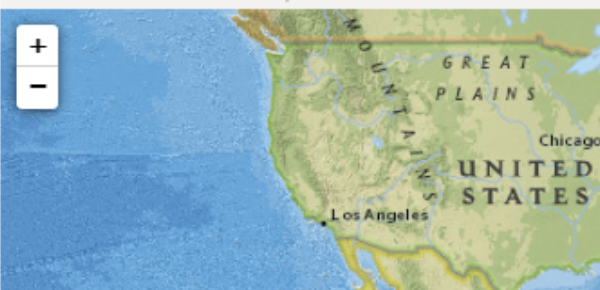
A product to support the work of the [West Coast Ocean Alliance](#)

SEARCH KEYWORDS



Location

Click map to select



Map data by National Geographic, Esri, DeLorme, HERE, INCREMENT P, NRCAN, METI, GEBCO, NOAA.
Tiles by National Geographic.

Categories

Biological Data

Ecosystems And Functions 21

Species And Habitat

Biodiversity 21

Water Filtration 1

Water Storage 1

Species And Habitats 82

Birds 1

Coastal 1

Fish 21

Invertebrates 1

Marine Mammals And Turtles 13

Marine Plants And Algae 15

Seafloor 24

664 results found.

PERMITTED MARINE HYDROKINETIC PROJECTS

This data represents pending or issued preliminary permits or issued licenses for ma...

[OPEN](#) ⓘ

[METADATA XML](#) ⓘ

[JSON](#) ⓘ

2013 PLEASURE CRAFT AND SAILING VESSEL DENSITY

Automatic Identification Systems (AIS) are a navigation safety device that transmits an...

[METADATA XML](#) ⓘ

[JSON](#) ⓘ

2012 UNITED STATES AUTOMATIC IDENTIFICATION SYSTEM DATABASE

The 2012 United States Automatic Identification System Database contains vessel tra...

[METADATA XML](#) ⓘ

[JSON](#) ⓘ

COLREGS DEMARCATION LINES FOR THE UNITED STATES AS OF JULY 2014

U.S. collision regulation boundaries are lines of demarcation delineating those water...

[METADATA XML](#) ⓘ

[JSON](#) ⓘ

SHORESIDE INFRASTRUCTURE - NON-CONSUMPTIVE RECREATIONAL BUSINESSES, ECOTRUST, 2011

This point dataset includes the locations of a comprehensive list of non-consumptive...

[METADATA XML](#) ⓘ

[JSON](#) ⓘ

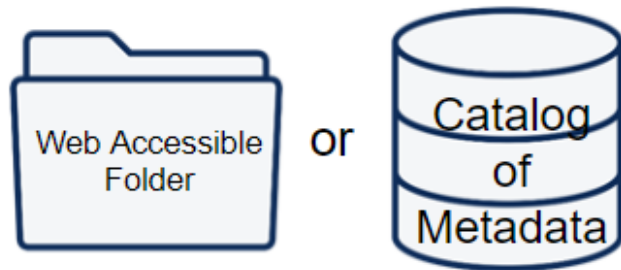
USA, 2000 TO 2010, POPULATION GROWTH

[METADATA XML](#) ⓘ

Leveraging West Coast Catalog Connections

Publication process

Network Partners: provide metadata
(focused on Discovery and Access):



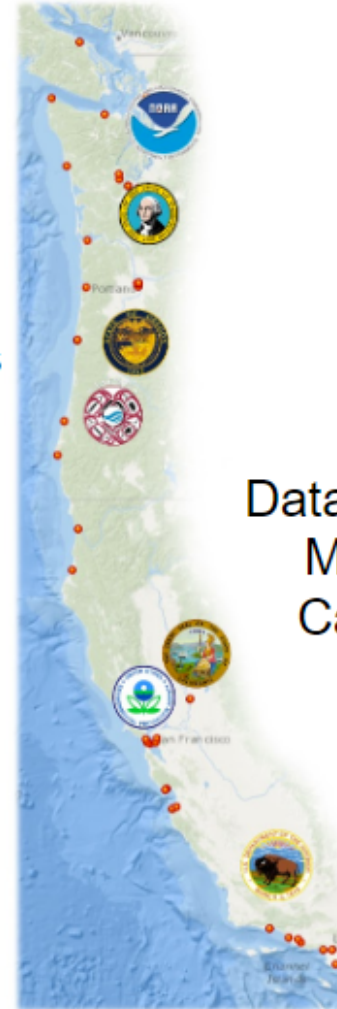
System Administrators:

- Registers WAF or Catalog
- Records harvested and synced
- Data added to Visualize App

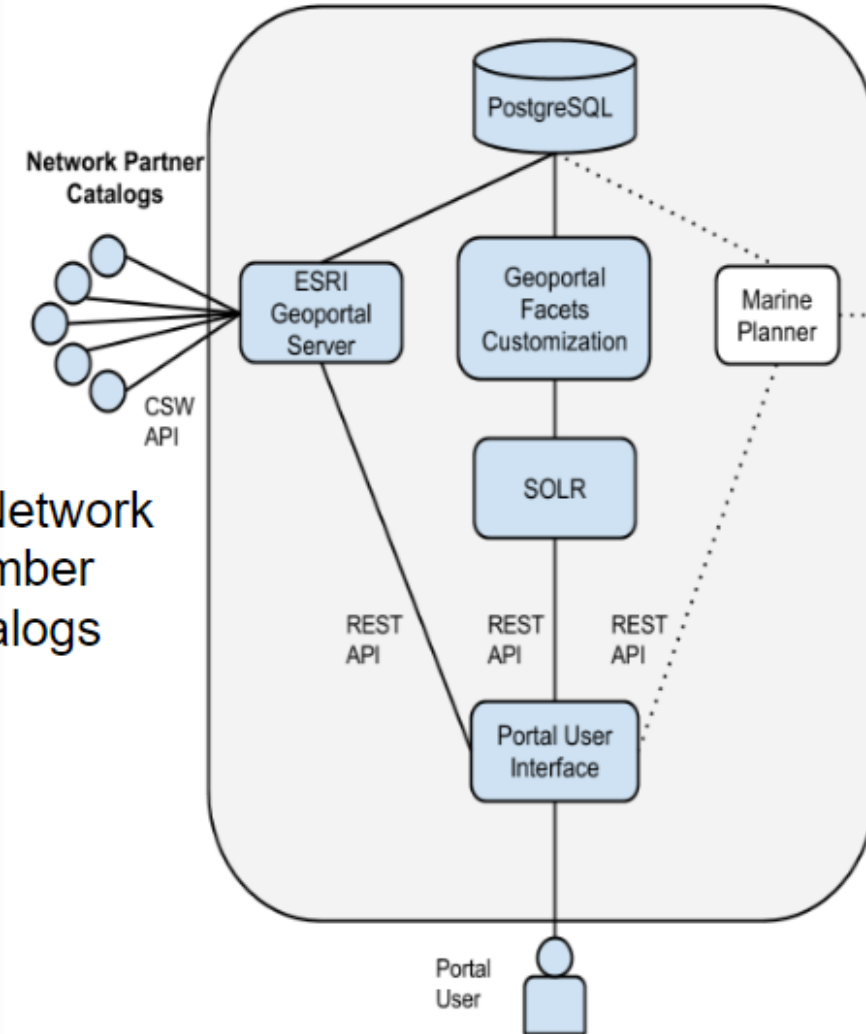
<https://wcodp.readthedocs.org/>

Example Catalog Types Supported

Geoportal
GeoNetwork
CKAN
pycsw
ArcGISi Hub
ArcServer
MetaCat



Data Network Member Catalogs



Offshore Wind Data Catalog Organizational Plan

Oregon Data Catalogs +

Coastal and Marine Data

Oregon Coastal Atlas



Oregon Statewide GIS Data Catalog

Oregon Spatial Data Library

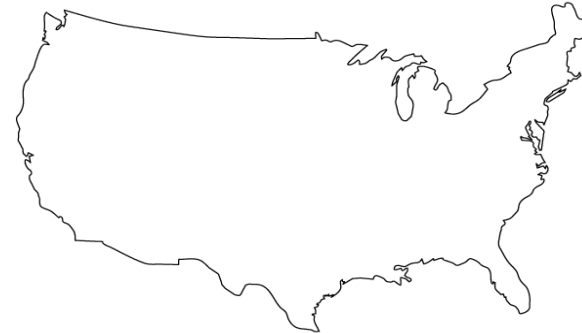


Oregon Ocean Information



Oregon Explorer (ORES A Project)

Federal Data Catalogs



Marine Cadastre
Ocean Reporting Tool
Digital Coast
NOAA Fisheries (FRAM)
NREL Data Catalog
Ocean Observing Initiative
USGS
...and many more



Curated Offshore Wind Catalog



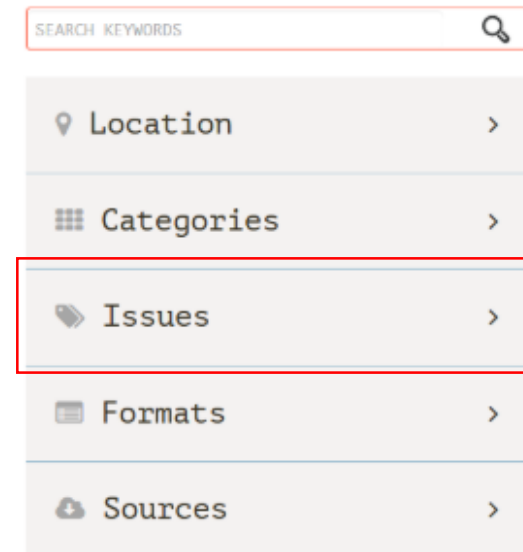
WEST COAST OCEAN
DATA PORTAL

Offshore Wind Catalog
(Combination of Records from Oregon and Federal Data Catalogs)

Data Catalog Features

- Data Records are harvested from across the network of contributing organizations
- Records are **Faceted** automatically according to Location extent, Sources, and Formats for ease of user browsing aka **Discovery**
- Manual curation is required to select most valuable records for harvest, and to align harvests with West Coast Data thematic priorities & Issues highlighted

Discovery Facets



Offshore Wind Energy

Biological Data	
<input type="checkbox"/> Ecosystems And Functions	21
<input type="checkbox"/> Species And Habitat Biodiversity	21
<input type="checkbox"/> Water Filtration	1
<input type="checkbox"/> Water Storage	1
<input type="checkbox"/> Species And Habitats	82

Physical Data	
<input type="checkbox"/> Atmosphere	23
<input type="checkbox"/> Air Quality	2
<input type="checkbox"/> Precipitation	4
<input type="checkbox"/> Temperature	7
<input type="checkbox"/> Wind	10

Human Data	
<input type="checkbox"/> Boundaries	31
<input type="checkbox"/> Administrative	3
<input type="checkbox"/> Cadastral	11
<input type="checkbox"/> Jurisdictional	7
<input type="checkbox"/> Planning	3
<input type="checkbox"/> Economy	76

Guiding Principles for a Mapping Tool

- A mapping tool will be used to access relevant datasets and provide visualization capabilities.
- System should be based upon data produced by authoritative sources and served through web mapping services that conform to open geospatial data standards.
- The Oregon Coastal Management Program will publish new resources where an authoritative source is not available to publish web map services.
- Examples of relevant datasets may include:
 - avian distribution and density,
 - marine mammal distribution and density,
 - commercial fisheries data,
 - military-use areas,
 - existing subsea cables, and
 - vessel traffic patterns.



Draft Mapping Visualization Tool



BOEM

Oregon Offshore Wind Planner
In support of the Intergovernmental Task Force



Search data

Active Data Legend

- Biological
 - BIRDS
 - FISH
 - INVERTEBRATES
 - MARINE PLANTS AND ALGAE
 - MARINE MAMMALS AND TURTLES
- Human
 - BOUNDARIES
 - MANAGEMENT
 - HAZARDS
 - INFRASTRUCTURE
 - ECONOMY
 - POPULATION
 - HERITAGE
- Physical
 - BATHYMETRY
 - WINDS
 - MARINE SUBSTRATES
 - WAVES
 - CIRCULATION

Data Catalog Review Effort

- **The State and BOEM are seeking:**
 - Available data and information from research organizations, governmental bodies, environmental groups, OSW industry, and interested and affected parties.
- **A Data Review Working Group will be convened to gather and review data that identifies existing environmental information and uses to inform OSW planning in Oregon.**
 - Existing archives of data from TSP amendments and other ocean planning related processes will form the foundation of information to build on.
 - The purpose will be to identify new records for inclusion in the Data Catalog and Data Visualization Tool.
- **Virtual meetings likely.**
- **Contact us to participate.**



Task Force Discussion on Engagement Plan



Task Force Discussion

- Clarifying Questions
- Reflections on Engagement Plan
- Reflections on Data Catalog and Data Visualization Tools

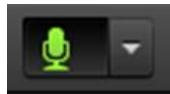
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Summary of Action Items and Next Steps



Summary of Action Items and Next Steps

- Task Force members submit written comments or feedback on Engagement Plan by June 11, 2020 to Whitney Hauer, whitney.hauer@boem.gov
- Task Force members interested in the Data Catalog Review Group contact Andy Lanier, andy.lanier@state.or.us
- Additional next steps as identified from the Task Force discussion



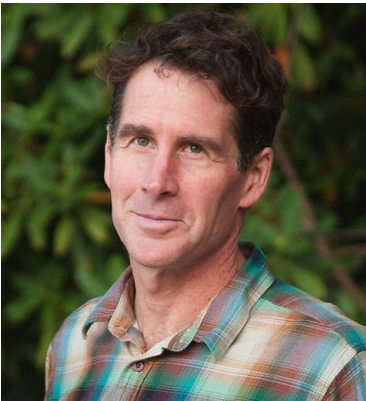
Closing Remarks



Closing Remarks



- **Doug Boren,**
BOEM Pacific Office, Office of Strategic Resources Regional Supervisor



- **Jason Miner,**
Oregon Governor's Office,
Natural Resources Policy Director

This concludes the formal Task Force meeting



Public Input Opportunity

- Overview of public participants (from poll)
- Speak in order; facilitator will mind the queue
- Provide your name and affiliation before you speak
- Provide your input or comment (1-3 minutes max); please be respectful of everyone's time and opportunity to speak
- To enter into the discussion queue:

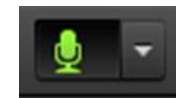
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- Use the Q&A pod at the bottom of the webinar window

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BOEM Pacific Office

Andy Lanier | Marine Affairs Coordinator
andy.lanier@state.or.us | 503-934-0072

Oregon Department of Land Conservation and Development

