

WASHINGTON COASTAL MARINE ADVISORY COUNCIL MEETING

Wednesday, June 15, 2022
 Part 1 from 9:30 am – 11:30 am
 Part 2 from 1:00 pm – 3:00 pm

Virtual Meeting: [Microsoft Teams Meeting instructions are included at the bottom of the agenda](#)

AGENDA

Please try to call-in around 9:20 so that everyone can be online and ready to go by 9:30. **The meeting will start promptly at 9:30 a.m.**

Time	Agenda Item (Action items are marked with “!”)	Objective (Information, Discussion, Action?)	Presenter(s)
9:30* (15 min)	Welcome & Introductions, Agenda Review <ul style="list-style-type: none"> Welcome and roll call introductions Welcome new WCMAC Members Review agenda Encourage public comments via chat Adopt summary of April meeting minutes 	Information <i>Reference Materials:</i> <ul style="list-style-type: none"> June 2022 Agenda Draft April 2022 Meeting Summary 	Rod Fleck, Vice Chair Garrett Dalan, TNC Mike Chang, Facilitator
9:45* (10 min)	Temporary Acting WCMAC Chairs ! Temporary Acting Chair(s)	Discussion, Action <i>Reference Materials:</i> <ul style="list-style-type: none"> WCMAC Voting Form 	Mike Chang, Facilitator
9:55* (10 min)	WCMAC Updates <ul style="list-style-type: none"> Elections and process WCMAC Communications Strategy 	Information	Mike Chang, Facilitator
10:05* (25 min)	Budget Requests from State Agencies <ul style="list-style-type: none"> Overview of WCMAC’s budget process Updates: <ul style="list-style-type: none"> Ecology DFW DNR State Parks Commerce Agriculture MRAC 	Information, Discussion	Mike Chang, Facilitator Select State representatives
10:30* (30 min)	Updates <ul style="list-style-type: none"> MRC Updates Agency Updates Governor’s Office Updates 	Information, Discussion	WCMAC Members Mike Chang, Facilitator

Time	Agenda Item (Action items are marked with “!”)	Objective (Information, Discussion, Action?)	Presenter(s)
	<ul style="list-style-type: none"> • General Coastal Updates • MRAC Update 		
11:00* (20 min)	WCMAC Overview <ul style="list-style-type: none"> • Presentation on WCMAC’s origins and scope • Discussion 	Information, Discussion <i>Reference Materials:</i> <ul style="list-style-type: none"> • <i>PPT Presentation on WCMAC</i> 	Rod Fleck, Vice Chair Garrett Dalan, TNC
11:20* (10 min)	Public Comment #1		Public/Observers Mike Chang, Facilitator
11:30*	1.5-hour break Reconvene at 1:00 pm using same Microsoft Teams Link.		
1:00* (25 min)	WCMAC Workplan Updates <ul style="list-style-type: none"> • Review workplan priorities through June 2023 • Adopt workplan through June 2023 	Discussion, Action <i>Reference Materials:</i> <ul style="list-style-type: none"> • <i>WCMAC Workplan (Excel)</i> 	Mike Chang, Facilitator
1:25* (25 min)	Resiliency Briefing Committee Updates <ul style="list-style-type: none"> • Provide an overview of draft agenda • WCMAC Discussion on additional considerations 	Information, Discussion	Jimmy Kralj, Facilitator Rod Fleck, Acting Chair Russell Callender, WSG Gus Gates, Surfrider Michele Robinson, Oceanbeat Bobbak Talebi, ECY
1:50* (20 min)	Offshore Wind Energy Engagement Committee <ul style="list-style-type: none"> • Current update on membership <ul style="list-style-type: none"> ○ Re-iterate call for additional committee members to meet and discuss OSW Energy Engagement • Engagement strategy questions and survey 	Information, Discussion	Mike Chang, Facilitator Casey Dennehy, ECY
2:10* (30 min)	Marine Spatial Planning: Implementation and Data Needs <ul style="list-style-type: none"> • Brief overview of Washington’s MSP and available resources • Implementation activities • Discussion on data needs 	Information, Discussion <i>Reference Materials:</i> <ul style="list-style-type: none"> • <i>PPT Presentation on MSP Implementation and Data Needs</i> 	Casey Dennehy, ECY
2:40* (10 min)	Public Comment #2		Public/Observers Mike Chang, Facilitator
2:50* (10 min)	Closing/Next Steps <ul style="list-style-type: none"> • Reminder of Dates and Times for Future Meetings <ul style="list-style-type: none"> ○ Agenda topic suggestions via survey • Other issues or announcements <ul style="list-style-type: none"> ○ Upcoming communications strategy 		Mike Chang, Facilitator
3:00*	Adjourn		Rod Fleck, Vice Chair

Time	Agenda Item (Action items are marked with “!”)	Objective (Information, Discussion, Action?)	Presenter(s)
			Garrett Dalan, TNC Mike Chang, Facilitator

* All times are estimates and subject to change.

Upcoming WCMAC Meeting
Wednesday, September 14, 2022, Location TBD
Wednesday, December 14, 2022, Location TBD

Microsoft Teams Meeting Instructions

Join on your computer or mobile app
[Click here to join the meeting](#)

Or call in (audio only)
[+1 206-413-7142,,290870910#](#) United States, Seattle
 Phone Conference ID: 290 870 910#

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WASHINGTON COASTAL MARINE ADVISORY COUNCIL MEETING

Draft Summary
 Wednesday, April 20, 2022
 Part 1 from 9:30am – 11:30am
 Part 2 from 1:00pm – 3:00pm

All meeting materials and presentations can be found on the WCMAC website:
<https://www.ezview.wa.gov/?alias=1962&pageid=37058>

<p>Highlights</p> <ul style="list-style-type: none"> • Updates from coastal groups. • Discussion about WCMAC work plan, coastal resilience, offshore wind energy, and burrowing shrimp management. <p>Summary of Decisions</p> <ul style="list-style-type: none"> • No decisions made. <p>Follow-up Items</p> <ul style="list-style-type: none"> • Workplan will be distributed to members for review prior to June meeting. • Technical committee to explore coordination and engagement pathways between WCMAC, BOEM, and other coastal communities. • Committee to support the Coastal Resilience briefing to the State. • Survey was distributed to members regarding comfort levels for in-person meetings. 	<p>Upcoming Meetings</p> <ul style="list-style-type: none"> • June 15, 2022 • September 14, 2022 • December 14, 2022
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Council Members Present	
Rich Osborne, Science	Mike Rechner, DNR
RD Grunbaum, Conservation	Corey Niles, WDFW
Dale Beasley, Commercial Fishing	Nives Dolšak, Educational Institution
Doug Kess, Pacific MRC	Garrett Dalan, Grays Harbor MRC
Randy Lewis, Ports	Gus Gates, Recreation
Jay Carmony, State Parks	Paula Culbertson, Wahkiakum MRC
Mike Cassinelli, Recreational Fishing	Larry Thevik, Commercial Fishing
Rich Doenges, Dept. of Ecology	Russell Callender, WA Sea Grant
Michele Robinson, Economic Development	Jen Hennessey, Governor's Office
Alla Weinstein, Energy	Randy Lewis, Coastal Port

Council Members Absent	
Genevra Harker-Klimes, Coastal Energy	Mara Zimmerman, WA Coastal Salmon Partnership
Brian Sheldon, Shellfish Aquaculture	Rod Fleck, North Pacific MRC

Others Present (as noted on the Teams log-in)	
Bobbak Talebi, Ecology	Jenna Keeton, WA Sea Grant
Henry Bell, Ecology	Katie Ware, Renewable Northwest
Jackson Blalock, WA Sea Grant	Tom Carlson
Kevin Decker, WA Sea Grant	Stephanie Bowman, Port of Seattle
Tess Brandon, Ecology	Jennifer States, Washington Maritime Blue
Heather Hall, WDFW	Jon Gonzales
Kenneth Clark, BOEM	Will Jasper
Teri Wright, Wild Orca	Pierre Augare, Quinault Indian Nation
Brent Paine, United Catcher Boats	David Fox
Brian Blake	Fred Felleman, Port of Seattle
Heidi Etter	David Beugli, Willapa-Grays Harbor Oyster Growers Association
Sara Guiltinan, BOEM	Jennifer Miller, BOEM
Jennifer Hagen, Quileute Tribe	Sarah Fiskens, WA Sea Grant
Lisa Olsen	Haley Kennard, Makah Tribe
Sarah Round	Teri Wright
Heather Mann	Scott Eichelberger
Phil Coughlan, Herrera	Mike Chang, Cascadia Consulting Group
Dan Waldeck, Pacific Whiting Conservation Cooperative	Kristina Zeynalova, Cascadia Consulting Group
Teressa Pucylowski, Ecology	Jimmy Kralj, Environmental Science Associates
Nicole Naar, WA Sea Grant	Cory Archer, Environmental Science Associates
Councilman Chad Bowe chop, Makah Tribe	

Welcome and Introductions

Mike Chang welcomed everyone to the April 2022 WCMAC meeting and was followed by Bobbak Talebi who introduced the new facilitation team from Cascadia Consulting Group and Environmental Science Associates and reviewed the meeting agenda.

Mike introduced the two newest members of WCMAC:

- Nives Dolšak: Director of the School of Marine and Environmental Affairs at the University of Washington
- Michele Robinson: Principal of Oceanbeat Consulting, LLC

Larry Thevik requested updates to the June 2021 Meeting Summary in the following ways:

- Under “General Coastal Updates”, the statement about biotoxins and European green crabs should be corrected to Dungeness crab.
- Under “General Coastal Updates”, insert “support” after “unanimous, bipartisan”.
- Under “General Coastal Updates”, insert “from strong markets, but the market was difficult the year before” after “this year fishers benefitted”.

Larry Thevik requested to update the December 2021 Meeting Summary in the following ways:

- Under “Commercial Fishing Updates”, note that large portions of the Washington Coast were closed to crab fishing. This area encompassed the majority (95 nautical miles) of coastal fishing areas including Grays Harbor County. This closure was to provide opportunities for tribal fishing prior to the commercial season. These areas opened on January 11th, 2021.
- Under “Offshore Wind Update” add language to clarify areas under consideration are for “potential” development.
- Under “Public Comment Re: Offshore Wind” change “MSO” to “MSP”.
- Under “BOEM Presentation – Regulatory Roadmap for Offshore Wind Energy Projects, Unsolicited lease”, “BOEM may issue” should be changed to “BOEM will issue”.

Alla Weinstein will provide written edits to the December 2021 Meeting Summary.

Both meeting summaries were approved with these changes.

Coastal Updates

Marine Resources Committee (MRC) Updates

- Paula Culbertson said that Wahkiakum MRC is preparing for the summit on September 21 – 23 and that she will distribute information regarding the summit to WCMAC members. The MRC is currently looking for speakers, and if interested, members should contact Carrie Backman, Donna Westman, or Paula.
- Garrett Dalan shared that there are new members on the Grays Harbor MRC and that some subcommittees are just getting underway. Additionally, the MRC has been coordinating with Washington Sea Grant on green crab issues to support eradication.
- Rich Osborne shared that Jen Hays recently gave a presentation on marine resources to the Quileute Tribes. Additionally, the MRC completed a cleanup at Bottle Beach and is examining way to recycle tire debris and plastics to keep waste out of coastal streams.

State Agency Updates

- Jay Carmony shared that State Parks has hired Diana Dupuis as the agency’s new director, and started April 1st. Additionally, the agency has begun its summer hiring season.
- Mike Rechner announced two legislative victories for the Department of Natural Resources (DNR): SB 5619 and SB 1700. SB 5619 is aimed at preserving kelp and eelgrass, extending to the coast. This work will include the development of a plan to conserve and restore 10,000 acres of these habitats by 2040. SB 1700 will support the work of the derelict vessel removal program with an influx of \$4 million per year. This funding will be used to go after large vessels and reduce the list of derelict vessels from 300 to zero.
- Corey Niles shared no updates from the Washington Department of Fish and Wildlife (WDFW).
- Russell Callender shared no updates from Washington Sea Grant (WSG).

- Jen Hennessey shared that the Boards and Commissions Office within the Governor's Office is working to update appointments to WCMAC.

General Coastal Updates

- Larry shared that a bill to grant the Department of Health authority to manage coastal biotoxins has failed once again despite bipartisan support in the legislature. This will leave coastal areas without an adequate biotoxin management program.
- Larry also shared that this year, the crab fishery catch value is in excess of \$72 million compared to its average of \$43 million and the season is not yet over. This is welcome news for the health of both the fishery and markets.
- Dale Beasley shared that the Coast Guard is considering designating the crabber tow lanes into regulation. Much of the fishing industry is opposed to this as it would result in a loss of flexibility to change the lanes. Lanes in Washington are only 1-mile wide in order to accommodate tribal fishing, while from Oregon south to San Francisco they are 2-miles wide. Crabbers agreed to open the inside lanes one month early to save fuel and this sort of flexibility would not be possible if the lanes become regulated by the Coast Guard.
- Rich shared information about a beach cleanup organized by Washington Coastsavers this weekend (April 23 -24). Additionally, Rich stated that harmful algal bloom conditions are good so far with cold water; so far no *pseudo-nitzchia* have been recorded. Rich also noted the Whale Reporting Working Group of the Olympic Coast National Marine Sanctuary has been meeting since January 2022. This group has been working to develop new ways of detecting whales to provide large shipping vessels and fishermen with advanced warning of the presence of whales. NANOOS has been helpful in this work.

Marine Resources Advisory Committee (MRAC) Updates

- The recent MRAC meeting focused on policy and climate issues as well as opportunities for implementation of actions. Additionally, MRAC was approved for another ten-year period through 2023.

WCMAC Workplan Updates

Mike facilitated a discussion of the WCMAC workplan, an ad hoc list of priorities for WCMAC to address. The change in facilitation team provides an opportunity to review and streamline the workplan. Mike worked with the Steering Committee to review the topics addressed in the workplan. The goal of this effort is to help identify and clarify intended agenda items and discussion topics for upcoming WCMAC meetings and to develop a process for other WCMAC members, stakeholders, and partners to elevate issues and agenda topics to WCMAC.

- Mike reviewed the workplan matrix and its various components including topic identification, purpose, source, focus, desired outcomes, tasks, status, and level of effort.
- Dale asked if new members were provided the reading list he sent to Mike. He shared that the materials are instructive regarding issues addressed by WCMAC and topic areas on the workplan and that the legislature has directed WCMAC to review the bills and other materials.

Mike agreed and shared that there will likely be several new members of WCMAC prior to the June meeting, so these materials will be useful for them to review as well.

- Bobbak shared that the workplan will be used to craft agenda items and for members to raise new topics and issues with WCMAC. Mike shared that the purpose of this meeting is to provide feedback on the workplan before a survey is sent to WCMAC members regarding topics and discussion points. The intent is to finalize the full workplan at the June WCMAC meeting.
- Larry stated the importance of having members review the workplan in addition to the Steering Committee, particularly in light of offshore wind developments and WCMAC's role in that process.
- Bobbak requested that when reviewing the workplan, members should consider ways in which to capture urgency around specific topics.
- Dale shared that in California, the California Coastal Commission spent between 2 and 5 days per week to develop areas for offshore wind, and that the current meeting schedule of WCMAC may be inadequate. There is urgency in having WCMAC guide and inform offshore wind as it relates to the Marine Spatial Plan.
- Mike will integrate comments discussed during the meeting, send the workplan to WCMAC members to provide comments prior to the June meeting, and develop a survey using the categories in the workplan to select future meeting agenda topics.

Resilience Recommendations

Last June, the Resilience Recommendations were formally adopted by WCMAC and referred to the Office of the Governor.

- Bobbak introduced a team of presenters from Washington Sea Grant and Ecology to discuss their recent project worked related to resilience actions through the Resilience Action Demonstration (RAD) project. This PowerPoint is available at the [WCMAC website](#).
- Russell Callender explained how the RAD project worked to address one of the key priorities (enhance coastal hazard initiatives) identified in the Resilience Recommendations developed by WCMAC.
- Henry Bell explained how the RAD project served as a pilot of the Coastal Hazard Organizational Resilience Team (COHORT) model as identified by the report by the William D. Ruckelshaus Center.
- Jackson Blalock discussed the work and explained how the COHORT model provided local communities with access to support and outreach resources that these jurisdictions would not normally have otherwise. The RAD project produced an inventory of local projects for coastal hazards.
- Bobbak explained how a package of requests has been developed for the 2023 biennial budget including funding for the COHORT model, increased local funding for resilience work, and support for the Coastal Monitoring and Analysis Program (CMAP). Sea level rise planning was also identified as a priority, however that will be addressed in separate legislation (HB 1099).

- Bobbak asked WCMAC members three questions related to this work:
 - Does this budget package align with WCMAC recommendations?
 - Is there a different mechanism to address local capacity than a grant program?
 - Who would like to help plan the coastal resilience briefing?
- Gus Gates asked about the best ways for WCMAC to support this budget request. Bobbak shared that expressing support and assisting with the briefing would be most helpful.
- Kevin Decker discussed the Area Sector Analysis Process (ASAP), one of the economic resilience recommendations from the 2021 Resilience Recommendations. He shared that there was an effort to create an economic resilience conference for coastal communities, however that was prevented by COVID. Instead, the ASAP was advanced with the goal of identifying industries compatible with the priorities of coastal resilience in Clallam, Grays Harbor, Jefferson, and Wahkiakum counties. The first step of this process was to distribute a survey to coastal communities. Kevin shared the survey has had a large response rate with over 515 responses recorded.
- Discussion and Questions
 - Gus Gates asked about the best ways for WCMAC to support this budget request. Bobbak shared that expressing support and assisting with the briefing would be most helpful.
 - Paula asked if the coastal resilience grant process would include Wahkiakum County and Bobbak confirmed that it would be included.
 - Michele asked for Bobbak to elaborate on the criteria and award process for these grants. Bobbak shared that if funding is secured for the program, the applications will be simple and easy to complete recognizing the capacity limitations of many coastal jurisdictions.
 - Rich Osborne asked about ways to increase funding to local jurisdictions other than a grant program given capacity constraints. Bobbak shared that a grant program is not a perfect solution but allows for work to be completed in communities that need it.
 - Michele asked if there are specific legislators that should be contacted to help move HB 1099 forward. Bobbak shared that Representatives Fitzgibbon and Duerr originally introduced the bill.
 - Larry noted that resilience efforts are often focused on bolstering physical structures in areas likely to be inundated. However, when considering economic sectors, have there been hazards identified as challenging for the fishing sector, such as a green crab issues or the failed legislation related to biotoxins? What will be included as economic hazards related to resilience? Jackson shared that much of resilience work is focused on infrastructure and physical hazards, and hazards examined for the fishing industry focused on community and port infrastructure. However, other non-infrastructure hazards will need to be further defined. Kevin mentioned that the ASAP process is focusing on specific industries – such as commercial fisheries – rather than hazards,

allowing them to identify vertical integration opportunities (e.g., replacing imports with local products).

Public Comment #1

No public comments were provided during this portion of the meeting.

Offshore Wind Energy Update

Mike introduced the offshore wind energy update portion of the meeting and explained the intent to hear updates on offshore wind energy projects and learn how WCMAC can engage in the process moving forward.

- Alla Weinstein provided an overview of offshore wind energy and its associated technology as well as a summary of how offshore wind relates to conditions on the Washington Coast. This PowerPoint is available at the [WCMAC website](#).
 - The Washington Marine Spatial Plan has provided substantial amounts of data regarding planning and siting of offshore wind energy. BOEM is not authorized to release any area of the Olympic Coast National Marine Sanctuary for energy development. Additionally, BOEM is constrained by Department of Defense (DoD) working areas. It was clear that the Underwater Range site would not be feasible for siting given DoD constraints. The only potential areas identified are the 560 square miles south and southwest of the DoD flight corridors.
 - Alla explained that there will always be use-related conflicts, but this area presented the fewest conflicts. For that reason, Alla explained that a lease request was submitted for this area and its shape is dictated by the flight routes. One small area is located under the military training route; turbines could not be placed here but lower structures like a substation could be placed there.
 - Alla explained that BOEM will now analyze the lease request and ensure that Trident meets all necessary technical and legal qualifications.
 - Prior to the completion of an Environmental Impacts Statement (EIS), BOEM will conduct a site assessment prior to a lease award. Alla explained that this process will take a long time.
 - Alla also explained that it is within the authority of the Governor to request an intergovernmental task force. Additionally, if BOEM is the lead agency for this work, they must limit participation to governmental entities and tribes. Others can participate through this process as public members. The Governor could also form a state-led task force, in which all parties – including non-governmental entities – could participate as task force members.
- Discussion and Questions
 - Larry asked for clarification regarding whether or not BOEM will issue an RFI and the potential for the area identified to expand. Kenneth Clark explained that BOEM will review legal and technical qualifications as well as unsolicited lease requests for

completeness and if they meet all requirements, BOEM would move towards an RFI. Alla clarified that if another organization is interested in offshore wind development, their area must match exactly the area in the RFI. Additionally, Alla stated that through the BOEM process the area may change, but can only get smaller, not larger.

- Jen Miller explained that the receipt of an unsolicited lease proposal requires BOEM to conduct a completeness review, as described earlier by Ken. That process does not limit BOEM from releasing a separate request for competitive interest for a broader area. Jenn shared that the timing on this process is uncertain.
- Doug Kess expressed concern about impacts on the fishing industry in that area and stated there doesn't appear to be a process for accounting to potential impacts on the fishing industry. Jen M. shared those concerns related to community and economic impacts are addressed during the NEPA phase which occurs much later in the process. These issues would be addressed at that time. However, leasing of areas will happen before the NEPA process and this analysis does not account for cumulative impacts. Alla added that Trident's parent company has committed to establishing a fund for local fishermen and noted that early conversations can help find mutually beneficial solutions.
- Michele asked when the state coordination decision occurs within BOEM's process. Jen M. shared that the taskforce decision is typically initiated by the state and that generally done at the beginning of the process. The context of this discussion is around WA's unsolicited bid for a leased area rather than BOEM's typical process of a solicited call area and ask for response.
- Michele asked which phase does area identification happen within the overall process. Jen M. replied that area identification is prior to or during the wind energy lease phase.
- Larry asked about BOEM's role and responsibilities in coordinating advisory groups outside of the task force option. Jen M. believes that BOEM can pay for some meetings and associated facilitation.
- Corey Niles stated that this area is important to fishermen from Astoria, OR and asked how BOEM considers inter-state impacts. Jen M. shared that if a lease is approved, the state can request a Coastal Zone Management Authority. This approach is common on the east coast.
- Larry expressed concern that there is not enough time to examine and deep dive into the process, especially identifying how WCMAC interacts with this process.
- Mike Cassinelli asked when more specific information on construction would be provided. Alla explained that the project would use a floating foundation. Specific anchor types will be decided once more analysis is complete.
- Michele asked if there have been discussions about forming a task force and if that has been considered in the Governor's office. Jen Hennessey said the Governor's Office has not forwarded a recommendation for a task force at this time. Jen H. stated that WCMAC is in an advisory position to the governor and that the Marine Spatial Plan identifies a task force to be created if a proposal seems likely.

- Larry suggested starting a technical committee to further discuss these issues and Gus agreed. The technical committee will present initial findings in the June 2022 WCMAC Meeting with an intention to provide a recommendation for WCMAC to consider and adopt in the September 2022 WCMAC Meeting.

Integrated Pest Management / Shellfish

Rich Doenges and David Beugli presented on the Integrated Pest Management Working Group and efforts to address burrowing shrimp challenges for shellfish cultivation. The goal of this group is to identify effective control measures to promote shellfish cultivation. This PowerPoint is available at the [WCMAC website](#).

- A group of professionals has conducted a study on low toxicity substances and narrowed it down to 25 substances to review for efficacy on burrowing shrimp.
- Funding will be available soon for the development of an Integrated Pest Management plan and the group is looking to solicit new research on substances, repellents, and mechanical methods to control shrimp.
- Jennifer Hagen asked if the IPM studies examined effects at the most vulnerable life stages of the burrowing shrimp. Rich shared that they did, and that adult shrimp are harder to control.

Nicole Naar presented on the Willapa Bay-Grays Harbor Ecosystem Based Management Collaborative. Nicole provided an overview of the ecosystem-based management approach and addressed work of the organization on invasive spartina, burrowing shrimp, and European green crab. This PowerPoint is available at the [WCMAC website](#).

- The mission of the collaborative is to increase the resilience of ecosystems and build trust and understanding between partners. The group is coordinated by Washington Sea Grant.
- Structure that includes a working group that includes industry (shellfish growers), Tribes, state and federal agencies, and local governments, a planning committee to prepare and facilitate work groups, and subgroups with broader membership that focuses on topics like funding/resources, collaborative membership, communications, and systems monitoring.

Key differences between the EBM and IPM work groups are outlined in the table below.

	EBM Collaborative	IPM Workgroup
<i>Origin</i>	WA Coast Shellfish Aquaculture Study	Settlement agreement
<i>Funding</i>	State (short-term), TBD (long-term)	State (annual basis)
<i>Coordination</i>	Washington Sea Grant	ECY and WGHOGA
<i>Scale</i>	Social-ecological system	Shellfish farms
<i>Time horizon</i>	Long-term	Short-term
<i>Membership</i>	Broader	More targeted
<i>Goal</i>	System resilience, stakeholder relationships	Viable tools/techniques for burrowing shrimp control

Questions and Discussion

- Jay Carmony asked if restoring Olympia oyster populations would help reduce shrimp populations. In the past, Olympia oysters have been shown to reduce shrimp impacts, but getting the right habitat for restoration is difficult.

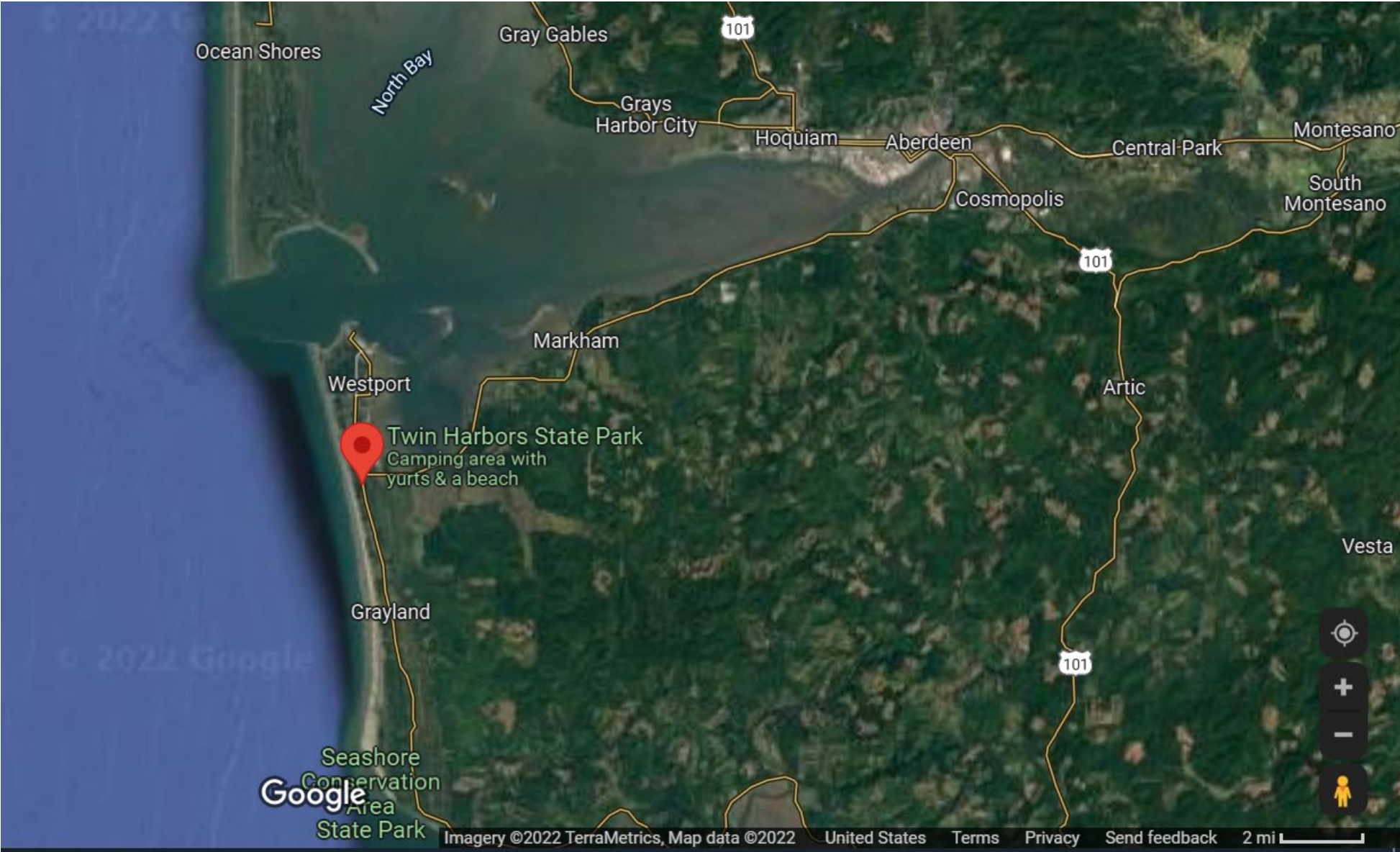
Public Comment #2

- Mike announced one question from the wind energy discussion that was not answered: Does BOEM see any benefits of initiating an intergovernmental task force vs. a strategy of receiving unsolicited lease request? Alla shared that the process to initiate offshore wind is either a request from the Governor or submittal of a lease request. BOEM does not initiate a task force unless it has been requested.
- Chairman Chad Bowe chop of the Makah Tribe shared that the tribe will strive to work with BOEM as unsolicited bids are received and processed. Tribal governments need to be engaged at the beginning of the unsolicited bid development process.
- Corey Niles reminded attendees to read Chapter 4 of the Marine Spatial Plan as it relates to offshore wind energy.
- Corey also requested WCMAC discuss the bill related to biotoxins in the September meeting.

Closing/Next Steps

Mike shared the following next steps:

- WCMAC Committee to research opportunities for WCMAC to engage with offshore wind energy projects and processes.
- WCMAC Committee to organize the Coastal Resilience briefing. If interested in participating contact Bobbak and Mike.
- The workplan will be distributed with the intent to finalize that one month prior to the next WCMAC meeting.
- Participants were reminded to fill out a survey regarding in-person meetings.



Ocean Shores

North Bay

Gray Gables

Grays Harbor City

101

Hoquiam

Aberdeen

Central Park

Montesano

South Montezano

Cosmopolis

101

Markham

Westport

Twin Harbors State Park
Camping area with yurts & a beach

Artie

Vesta

Grayland

Seashore Conservation Area
State Park

Google

Twin Harbors

Support efforts to create accessible and welcoming experiences for State Parks visitors...

Budget Request for phase 1 ~\$6,272,000

Designs/permits/constructs the South Beach Area Administration and Maintenance headquarters

And

Designs to 90% all the elements that phases 2 through 4 would construct:

- Phase 2: reorganize the existing west side campground, so the campsites do not flood, new welcome center, add additional standard cabins, RV dump and staff residence. Also includes a new lift station
- Phase 3: Construct new RV utility sites, group camp and comfort stations.
- Phase 4: construct cabins, several primitive sites, a comfort station, and day use improvements.



Twin Harbors

Designs/permits/constructs the South Beach Area Administration and Maintenance headquarters



Twin Harbors

Designs to 90% all the elements that phases 2 through 4 would construct...



A brief history of the
Washington Coast Marine
Advisory Council

The background features a stylized coastal scene. The top half is a light blue gradient. Below this, a horizontal line separates the sky from a body of water. The water is depicted with horizontal brushstrokes in various shades of blue and teal. At the very bottom, there is a thin, horizontal band of a warm, golden-brown color, suggesting a sunset or sunrise.

Drivers

- Washington state was interested in completing its first Marine Spatial Plan
- Federal interest on ocean policy
- Marine Resource Councils had been meeting annually to share information of interest along the Pacific Coast
- Possibly commercial development of ocean areas outside of the National Marine Sanctuary

Conversations turned into law...well....

Ecology working with TNC facilitated a Coastal Advisory Board meeting group.

“Big Chew” – how to create an entity focused on the needs of the coast?

- 3 Feb 2011 - Dale Beasley shared a draft bill endorsed by the Pacific County MRC to create a "Lead Entity for Coastal Marine Spatial Planning."
- Work began on that draft by what was called "the big chew" committee.
- Efforts made to refine the Washington Coast Solutions Group and address more than just coastal marine spatial planning.
- [Email from Dale Beasley to Rod Fleck, *RE: Coastal Lead Entity Bill*, 3 Feb 2011]

Legislation – Part One...

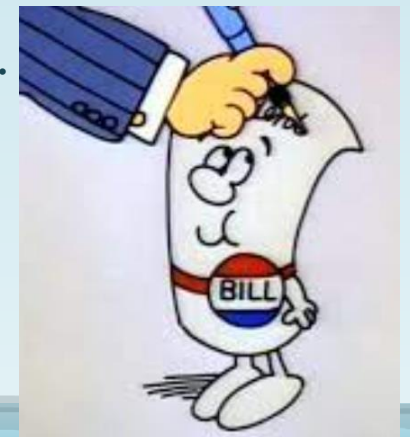
- 2012
 - One of the variations of the draft bill was introduced and passed by the legislature in 2021;
 - However,
 - it was vetoed by Governor Gregoire:
 - Autonomy of membership selection and activities while being part of the Governor's office; and,
 - Duties seen as substantial and lacked voting participating of the state's agencies.
 - Governor did appoint a member of their staff to the Ecology facilitated Coastal Advisory Board.
- Veto Message on 2SSB 6263, Gov. Christine Gregoire, 30 Mar 2012
<https://lawfilestesttext.leg.wa.gov/bienniumtest/2011-12/Pdf/Bills/Veto/Senate/6263-S2.VTO.pdf?q=20211008064653>

Second time is a charm...

SB 5603

- New legislature and a new Governor
- Introduced by Senators Hatfield, Kohl-Welles, Shin, and Ranker
- Washington Coastal Marine Advisory Council
- ("wick-mack" southern pronunciation, "wack-mack" northern pronunciation)
- A governor's organization;
- Members appointed by the Governor;
- Agencies director/commissioner appoints their representatives;
- Mission (next slide)
- Passed the Senate, after being amended, 40-9;
- Passed the House, with committee amendments being adopted, 82-14
- Signed into law 21 May 2013. Effective 28 Jul 2013.

<https://app.leg.wa.gov/bills/summary/?BillNumber=5603&Year=2013&Initiative=false>



Revised Code of Washington 43.143.050 - Structure

WCMAC Members and Operations

- 26 members per the adopted bill;
- Concensus driven
[Fleck may grimace, just don't ask.]
....but things can be put to a vote, if consensus "cannot be reached."
- Focus on collaborative processes.
- Ecology assigned administrative role.
- Must meet at least twice a year. (Four times is norm).
- Created by-laws and operating processes.

13 The council consists of the following voting members:
14 (i) The governor or the governor's designee;
15 (ii) The director or commissioner, or the director's or
16 commissioner's designee, of the following agencies:
17 (A) The department of ecology;
18 (B) The department of natural resources;
19 (C) The department of fish and wildlife;

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ESB 5603.SL

1 (D) The state parks and recreation commission;
2 (E) The department of commerce; and
3 (F) Washington sea grant;
4 (iii) The following members of the Washington coastal marine
5 advisory council established by the department of ecology and as
6 existing on January 15, 2013:
7 (A) One citizen from a coastal community;
8 (B) Two persons representing coastal commercial fishing;
9 (C) One representative from a coastal conservation group;
10 (D) One representative from a coastal economic development group;
11 (E) One representative from an educational institution;
12 (F) Two representatives from energy industries or organizations,
13 one of which must be from the coast;
14 (G) One person representing coastal recreation;
15 (H) One person representing coastal recreational fishing;
16 (I) One person representing coastal shellfish aquaculture;
17 (J) One representative from the coastal shipping industry;
18 (K) One representative from a science organization;
19 (L) One representative from the coastal Washington sustainable
20 salmon partnership;
21 (M) One representative from a coastal port; and
22 (N) One representative from each outer coast marine resources
23 committee, to be selected by the marine resources committee.

Revised Code of Washington 43.143.060 - Duties

Duties include

- a) **Serve as a forum for communication** concerning coastal waters issues, including issues related to: Resource management; shellfish aquaculture; marine and coastal hazards; ocean energy; open ocean aquaculture; coastal waters research; education; and other coastal marine-related issues.
- b) **Serve as a point of contact** for, and collaborate with, the federal government, regional entities, and other state governments regarding coastal waters issues.
- c) **Provide a forum to discuss coastal waters resource** policy, planning, and management issues; provide either recommendations or modifications, or both, of principles, and, when appropriate, mediate disagreements.
- d) **Serve as an interagency resource to respond** to issues facing coastal communities and coastal waters resources in a collaborative manner.
- e) **Identify and pursue** public and private **funding** opportunities for the programs and activities of the council and for relevant programs and activities of member entities
- (f) **Provide recommendations** to the governor, the legislature, and state and local agencies on specific **coastal waters resource management** issues, including:
 - i. Annual recommendations regarding coastal marine spatial planning expenditures and projects, including uses of the marine resources stewardship trust account created in RCW 43.372.070;
 - ii. Principles and standards required for emerging new coastal uses;
 - iii. Data gaps and opportunities for scientific research addressing coastal waters resource management issues;
 - iv. Implementation of Washington's ocean action plan 2006;
 - v. Development and implementation of coast-wide goals and strategies, including marine spatial planning; and
 - vi. A coastal perspective regarding cross-boundary coastal issues.

WCMAC Discussion Guide: Community and Stakeholder Engagement

June 15, 2022

Purpose:

To provide preliminary input regarding engagement strategies for offshore wind planning.

Background:

The state is committed to robust and meaningful engagement with coastal communities and affected stakeholders who may be impacted by offshore wind projects. As such, the state is in the process of developing a community and stakeholder engagement strategy for future offshore wind planning processes.

For offshore wind projects in federal waters, the Bureau of Ocean Energy Management (BOEM) leads the process. The state will work with BOEM to develop outreach and engagement activities and will conduct additional activities as needed.

For example, the Fisheries Use Protection Standards that were developed alongside the WA Marine Spatial Plan describe how the state will consult with the fishing industry. That engagement will be led by WDFW and will be separate from BOEM's process. Although separate, the Marine Spatial Plan requires the stakeholder engagement process to be timely and effective and will need to be aligned with BOEM's so that stakeholders have the information and opportunity needed to inform key decisions. WDFW will look to discuss options for doing so with stakeholders as a first step. Fisheries stakeholder engagement will also be a fundamental source of information for the state's determination of whether an offshore wind project is consistent with the Fisheries Use Protection Standard and other enforceable policies of the state's Coastal Zone Management Program.

Next Steps:

- WCMAC's Offshore Wind Committee will assess feedback from the full WCMAC and will provide additional and more detailed input to help develop and refine the engagement strategy.
- The state will continue to develop the engagement strategy over the coming months.
- WCMAC's Offshore Wind Committee may develop formal recommendations for the full WCMAC to consider at future meetings.
- An overview of the engagement strategy will be shared with the WCMAC at a future meeting.

Key Questions:

- Which groups and organizations should be engaged?
- What engagement methods would be most effective (e.g. workshops; regularly schedule meetings; virtual meetings; special WCMAC meetings; surveys; neutral convener; etc.)?
- What timeframes should be targeted or avoided to reach certain stakeholders, such as the commercial fishing community?



Marine Spatial Planning: Implementation and Data Needs

Casey Dennehy

Washington Coast Marine Advisory Council Meeting

6/15/2022

Overview

- Marine Spatial Planning Background
- The Plan
- The Data
- MSP Implementation
- Qualitative Network Modeling
- Data Assessment and Prioritization
- Preliminary Data Needs Discussion

Marine Spatial Planning



- Background
- State laws
 - Marine Waters Planning and Management (2010)
 - Marine Management Planning (2012)
- Washington Coastal Marine Advisory Council
- State Ocean Caucus

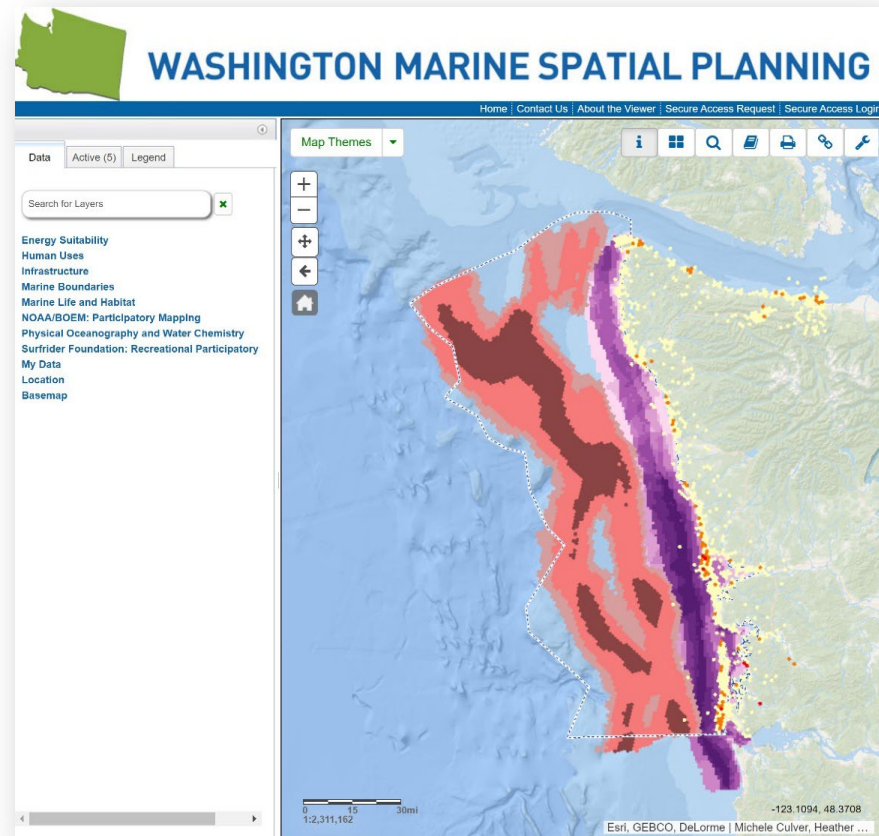
The Plan

- Marine Spatial Plan for Washington's Pacific Coast
- Goals and objectives
- Applies to new ocean uses
- Provides project review standards
- Defines Necessary Data and Information
- Study area out to 700 fathoms



The Data

- New and existing data
 - Physical oceanography
 - Biological resources
 - Fishing
 - Recreation
 - Shipping
- Ecological modeling
- Important, Sensitive and Unique Areas (ISUs)
- Data viewer



<http://mapview.msp.wa.gov/default.aspx>

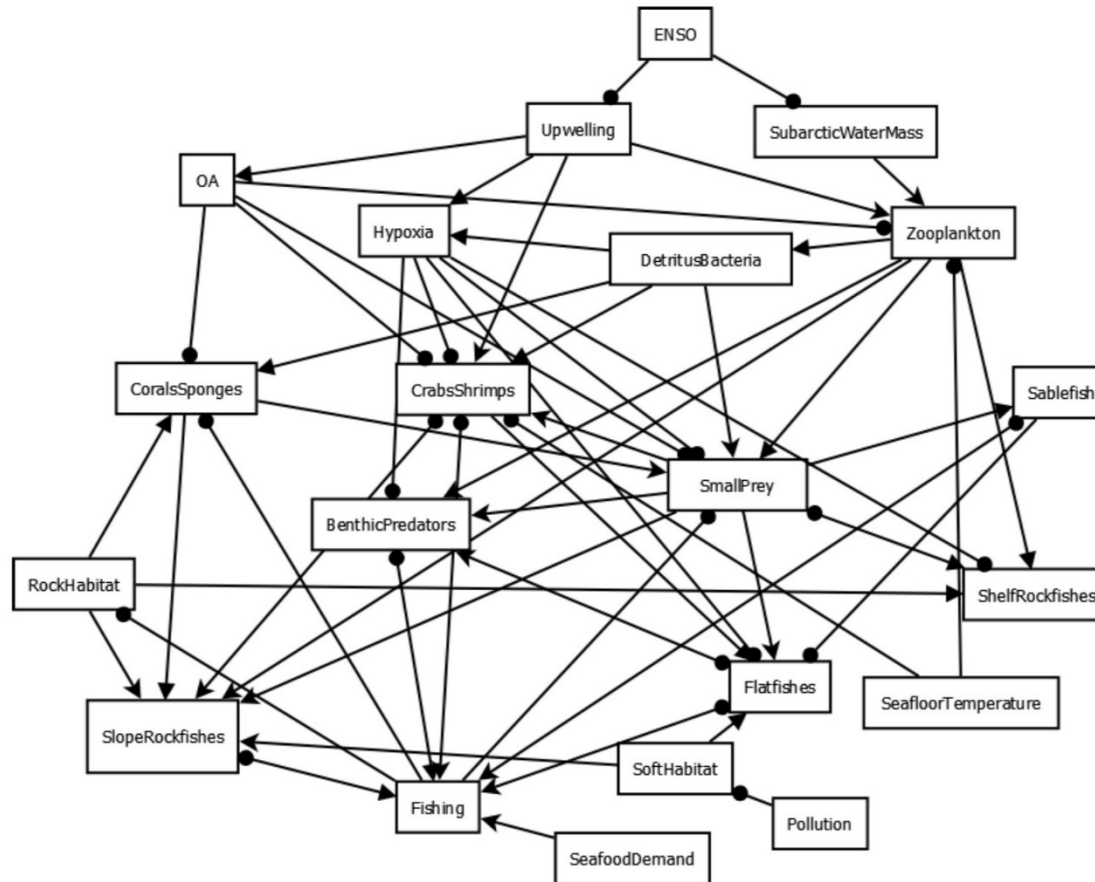
Marine Spatial Planning Resources

- MSP.WA.GOV
 - Data viewer
 - Data catalogue
- [Full plan](#)
- [Prior meeting materials](#)
- [Tethys](#)



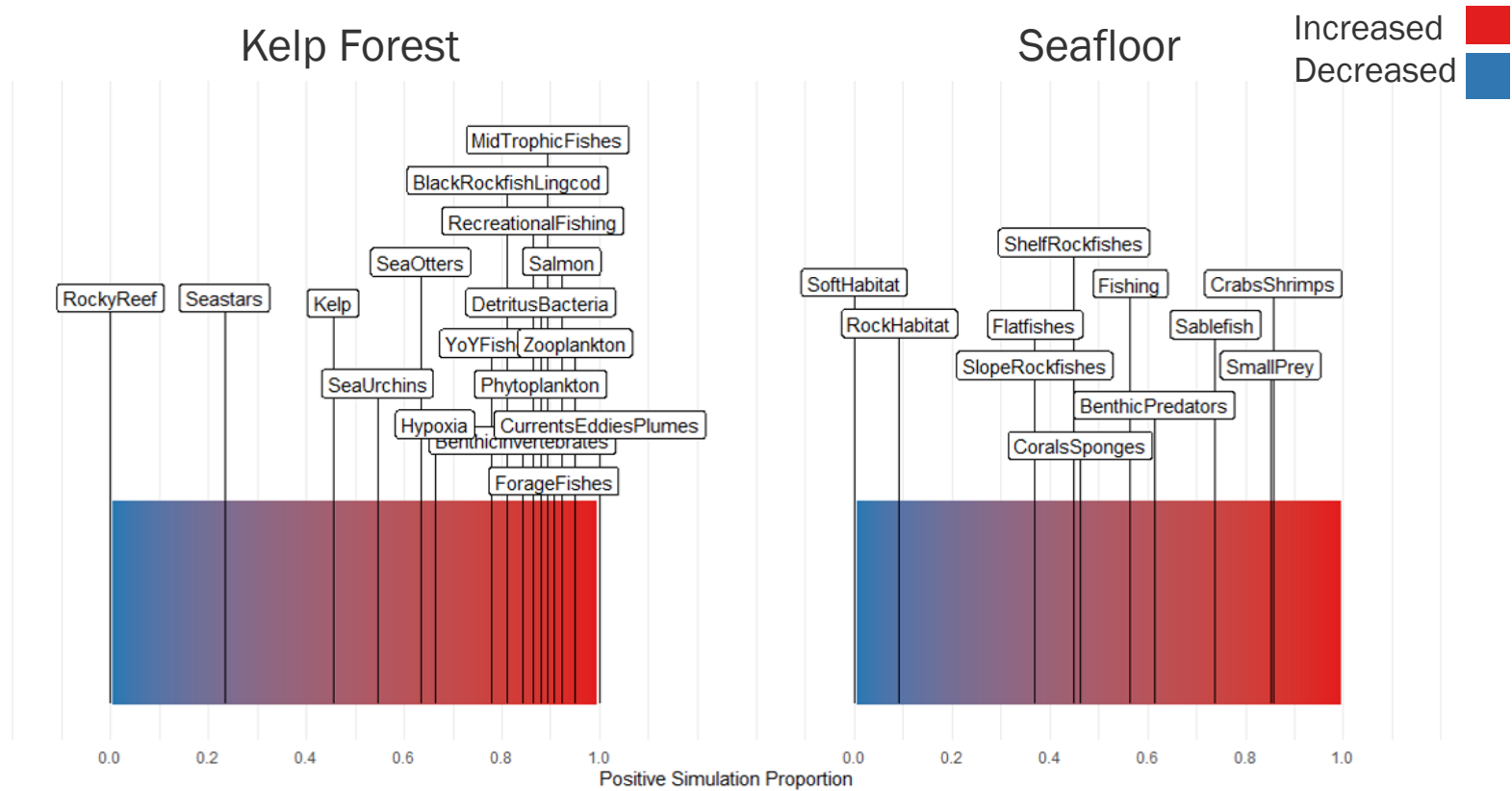
The screenshot shows the homepage of the Washington Marine Spatial Planning website. At the top left is a green map of Washington. To its right is the title "WASHINGTON MARINE SPATIAL PLANNING". Below this is a navigation bar with links for "About Us", "Calendar", "Mapping Application", "News", and "Projects and Resources", along with a search box. The main content area features a large image of a sunset over the ocean with the text "Supporting healthy oceans, coasts and communities". Below the image are three columns: "LEARN" with a smartphone icon, "EXPLORE" with a binoculars icon, and "CONNECT" with a speech bubble icon. Each column has a brief description of its function. At the bottom, a paragraph defines Marine Spatial Planning as a public process for analyzing and allocating spatial and temporal distribution of human activities in marine environments to achieve ecological, economic, and social objectives.

Qualitative Network Modeling



Final network structure for Seafloor habitat

Qualitative Network Modeling



Wind development scenario for kelp forest and seafloor habitats, without climate change

Data Needs and Prioritization

High Priority Data

PHYSICAL DRIVERS					SEAFLOOR HABITAT	ECOLOGICAL COMPONENTS	
Climate Variability	Low Dissolved O ₂ Events	Ocean Acidification	Wind-driven Upwelling	Currents, Eddies, & Plumes	Corals / Sponges	Marine Snow / Detritus	Marine Phytoplankton, Zooplankton, Bacteria, Micro/Meiofauna

SPECIES									
Seabirds, Shorebirds, & Waterfowl	Marine Mammals	Forage Fishes	Rockfishes	Ground fish	Flatfishes	Salmon	Sea Urchins	Razor Clams	Crabs* & Shrimps

EXISTING HUMAN USES							HISTORIC & CULTURAL RESOURCES		
Recreation	Transportation & Navigation	Shellfish Aquaculture	Tourism	Fisheries - Commercial, Recreational & Tribal	Public Services & Utilities	Scientific Research	Historically/Culturally Significant Sites	Community Culture	Aesthetic Resources

Data Needs and Prioritization

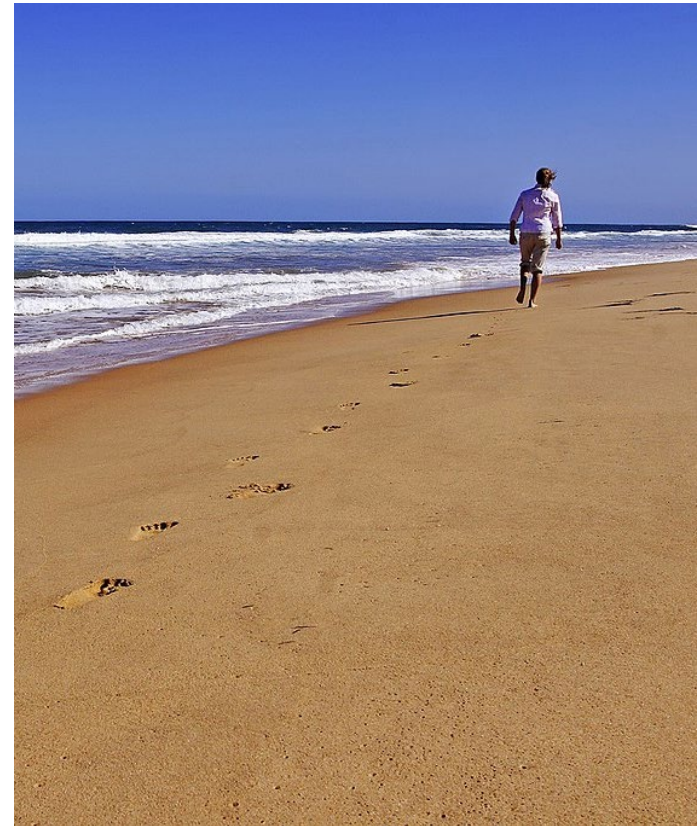
Data Evaluation		# of Responses				
		1-5	6-10	11-15	16-20	21-25
		Not Important	Less Important	Neutral	Moderately Important	Highly Important
1	data collection and/or research is feasible		1	2	4	24
2	data collection and/or research is cost-effective (including sampling, measuring, processing, and analyzing)		1	8	15	8
3	data collection and/or research has coast-wide significance		9	4	8	10
4	research demonstrates that this is socially, culturally, and/or ecologically important		2	2	12	15
5	data collection and/or research is relevant to current management concerns		1	2	10	17
6	data is predictably responsive and sensitive to human-driven and ecosystem changes (theoretically sound)		4	6	11	9
7	baseline data, trends, and/or targets exist for this data or research need (linkable to scientifically defined reference points)	1	8	10	8	5
8	data collection and/or research can be used to highlight the impacts of climate change and/or ocean acidification		6	10	11	4
	data is not required to be supplied by the applicant of a new use					
	data collection and/or research will enable the detection and measurement of impact or change					

Data Needs Questions

- What new data should be collected?
 - What existing data should to be updated?
 - What data do you think should be prioritized?
 - Should we pursue additional Qualitative Network Modeling?
 - Is there general guidance you would like to give the committee?
- Examples
 - Fisheries activity and distribution
 - Economic trends
 - Recreation & tourism
 - Seafloor mapping
 - Marine mammal distribution
 - Seabird distribution
 - Microflora/fauna
 - OA and HABs
 - Cultural resources

Next Steps

- Work with WCMAC Offshore Wind Committee
- Review existing data and data needs
- Review WCMAC input
- Develop formal recommendations for full WCMAC to consider



Credit: Fir0002/Flagstaffotos



Thank you

Casey Dennehy

casey.dennehy@ecy.wa.gov

(360) 688-0142