

# WCMAC Workplan

6/26/18

Topic	Purpose	Source*	WCMAC Focus	Timeframe	Tasks	Information Needs	Working Group (Y/N)	Notes/Status Updates
A. Coastal Resilience	To update WCMAC on efforts to address coastal resilience and identify areas where WCMAC may want to provide informal or formal advice on the issue, or provide leadership in convening dialog or gathering information.	C	Information Sharing; Possible informal advice	Ongoing	1. Potential survey on regulatory flexibility and impediments to addressing coastal resilience issues. 2. A science-policy workshop on coastal erosion	1. Informational Briefing 2. Reports from current efforts	Yes	* Panel Discussion occurred at Sept. WCMAC meeting. * Coastal Resilience Work Group is formed and is holding meetings * Grant funding for a series of 4 workshops was not received: economic workshop may happen through
B. Ecosystem Indicators	To provide feedback to the state on refining the list of ecosystem indicators.	C	Informal Advice	6/18-12/18	1. Compile existing lists of indicators, summary of methods, and proposed process for refining indicators (WCMAC staff) 2. WCMAC briefing and discussion (WCMAC Meeting)	1. List of current potential indicators 2. Summary of methods used to identify current list 3. Informational briefing on developing scientifically robust indicators	TBD	*Need to consult with NOAA (NWFSC)
C. Science and Research Agenda	To provide feedback to the state on the development of a science and research agenda, including data gaps and WCMAC's priorities.	C	Informal Advice	1/18-12/18	1. Compile Data Gaps (WCMAC Staff) 2. WCMAC Discussion on Initial List of Gaps and Priorities (WCMAC Meeting)	1. List of data gaps (initial list from MSP) 2. Summary of existing, current science needs documents for WA Coast (e.g. OCNMS, PFMC)	TBD	
D. Monitor Implementation of MSP	To keep WCMAC informed of MSP implementation efforts	C	Information Sharing	Ongoing	1. Summarize status of MSP implementation tasks (WCMAC staff) 2. Develop panel on regulatory roles for Dec. meeting? (WCMAC staff)	1. Informational Briefing on Status of MSP Implementation	No	*Include briefing on how the plan gets used, particularly regarding new applications *Review plans that are inconsistent with MSP
E. Annual Work Plan	To develop an annual workplan to guide planning for WCMAC meetings and activities.	B	Operations/Admin	12/18	1. Compile topics and outcomes (Steering Committee) 2. Develop draft annual workplan (Steering Committee) 3. Discuss and adopt work plan (WCMAC Meeting)	1. Input from WCMAC members and Gov's office on topics and priorities	No	* Initial draft work plan discussed at September meeting with final work plan addressed at Dec. meeting.
F. WCMAC Meeting Agendas and Operations	To fulfill Steering Committee responsibilities as listed in the by-laws	B	Operations/Admin	Ongoing	1. Set WCMAC Agendas for each meeting 2. Conduct officer elections every 2 years		No	

Source: C= Governor's Charge; B=Bylaws

## Other Topics of Interest/Future Consideration

## Notes/Comments

1	Cosatal Erosion	Coastal Resiliency Work Group is planning a Sciecene-policy workshop on Coastal Erosion
2	Shipping overview	
3	Oil terminals	
4	Sea-level rise (included with coastal resiliency?)	
5	Commercial Net Pen Aquaculture	
6	Offshore Aquaculture	
7	Shellfish Aquaculture Management issues (e.g. invasive species, burrowing shrimp, etc.)	Will provide ongoing updates to WCMAC as appropriate
8	Invasive Species and Pest Species Management	Will provide ongoing updates to WCMAC as appropriate
9	Changing Fishing Fleets and Alternative Fishing Methods	
10	Briefing from WDFW on recreation and commercial fishing allocation	
11	Coastal Energy	
12	Economic Development: How to coastal communities adapt to changing economy?	Other coastal groups are considering hosting a workshop
13	Building Local Capacity	
14	Watershed Protection	
15	Ecosystem Services Valuation	

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**Topics Addressed in Previous Meetings****Notes/Comments**

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Vessel Traffic/Navigational Safety/Transport of hazardous substances

Briefing on Grays Harbor Vessel Traffic Risk Assessment occurred at 3/28/18 meeting.

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Ocean Acidification

Presentation by MRAC members at 6/13/18 meeting

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Tsunami/Disaster Preparedness

Presentation at 6/13/18 Meeting

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Juvenile salmon survey results and ocean conditions

Webinar in 9/18

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Update Bylaws (decisionmaking and Steering Committee composition)

Completed 6/13/18

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# WASHINGTON COASTAL MARINE ADVISORY COUNCIL MEETING

## Draft Summary

Wednesday, June 13, 2018 9:30 am – 3:30pm

Location: Port of Grays Harbor Commissioners Chambers, 111 S. Wooding St., Aberdeen, WA

All meeting materials and presentations can be found on the [WCMAC Website](#)

Council Members Present	
Alla Weinstein, Energy	Kevin Decker, Washington Sea Grant
Brian Sheldon, Shellfish Aquaculture	Michal Rechner, DNR
Casey Dennehy, Recreation	Mike Cassinelli, Recreational Fishing
Corey Niles, WDFW	Mike Passmore, Wahkiakum MRC
Dale Beasley, Commercial Fishing	Randy Lewis, Ports
David Fluharty, Educational Institution	RD Grunbaum, Conservation
Doug Kess, Pacific MRC	Rich Osborne, Science
Garrett Dalan, Grays Harbor MRC	Rod Fleck, N Pacific MRC
Jeff Ward, Coastal Energy	Sally Toteff, Dept. of Ecology
Jessica Helsley, WCSSP	Tiffany Turner, Econ. Development
Jennifer Hennessey, Governor's Office	Penny Dalton, Sea Grant

Council Members Absent	
Joshua Berger, Dept. of Commerce	Mark Plackett, Citizen
Larry Thevik, Commercial Fishing	

Liaisons Present	

Others Present (as noted on the sign-in sheet)	
Bobbak Talebi, Ecology	Kristin Swenddal, DNR
Katrina Lassiter, DNR	David Palazzi, DNR
Rich Childers, WDFW	Birdie Davenport, DNR
Gus Gates, Surfrider Foundation	Susan Gulick, Sound Resolutions, Facilitator
Doug Barker, the Daily World	Ruth Bell, Cascadia Consulting, note-taker
Alex Mitchell-Morton, NANOOS	

### Welcome and Introductions

Garrett Dalan welcomed everyone to the meeting. All attendees introduced themselves and were invited to provide updates. Susan Gulick reviewed the agenda.

### Updates

- Kevin Decker announced that WA Sea Grant is hiring a new director and is soliciting input on ideal candidates.
- Jennifer Hennessey announced she is moving to the Governor's office as of July 1, at which time she will be the Governor's representative on WCMAC.

## *March Meeting Summary*

! The March meeting summary was adopted with no changes.

## **Coastal Updates**

### *MRC Updates*

- Garrett Dalan announced that the Grays Harbor MRC is working on a strategic plan update, and will be hosting the summit in the last week of October 2018.
- Doug Kess described the recent Pacific MRC science conference.
- Mike Passmore expressed concern regarding personnel changes, and interest in state actions and resources to improve support to MRCs.
- Rod Fleck described the N Pacific MRC's RainFest event, highlighting the great coordination and art and film festival. Rod also mentioned challenges to securing funding for research or educational projects.

### *Agency Updates*

- Sally Toteff described coverage during Jennifer Hennessey's transition from Ecology to Governor's Office.

### *Other coastal updates:*

- Garrett Dalan announced that proposals for the WA coast restoration and resiliency initiative are due Friday, June 22, and strong responses are expected.
- Casey Dennehy announced that NOAA has been leading the Marine Debris Action Plan: a useful tool for identifying ways to improve and address marine debris issues. There has been federal, state, and nonprofit representation in the effort. The plan will go to members later this month and be released to the public in August. Also, in 1988 legislation passed directing DNR to come up with a marine plastics debris taskforce, and the report included a line associated with funding. He is hoping to receive funds to pay for beach cleanup and other issues.
- Dave Fluharty announced that the U.S. House of Representatives elected to defund section 505, marine spatial planning.
- Rod Fleck announced that the Emerald Coast Opportunities Zone was approved by the Governor and US Treasurer. This will be an investment tool, allowing private investment in low-income communities. The zone encompasses Washington's west coast from the Quinault reservation to Joyce and Brennan, including downtown Port Angeles and Sequim. The designation is for a 10-year period, and we are half way through year one.
- Rich Osborne commented on shellfish closures caused by algal blooms. He also described the work of the [Southern Resident Killer Whale task force](#) focusing on toxics, salmon, and vessels, and undergoing an intense process that will culminate in a final report in November with concrete actions for the next legislative session.

## **Bylaws Revisions and Steering Committee Members**

Susan reviewed the recommended bylaw revision: to increase the number of at-large members on the steering committee from 5 to up to 7.

### *Discussion and questions*

- No discussion.

Susan asked for approval.

! The revision to the bylaws was approved unanimously.

Susan reviewed the proposed slate of at-large committee members: Dale Beasley, Doug Kess, Mike Rechner, Rod Fleck, and the goal to balance geographic and interest group representation on the steering committee.

#### *Discussion and questions*

- Kevin Decker raised concern that the Wahkiakum area is not represented on the Steering Committee.
- Garrett Dalan offered that there is sufficient geographic representation currently.
- Mike Passmore agreed representation is sufficient.

Susan asked for affirmation.

! Unanimous approval of steering committee members.

#### **Other Issues**

##### *WCMAC Workplan*

Susan provided updates on the WCMAC workplan, an updated draft of which was included in the meeting materials.

- Rich Osborne suggested identifying committee members who want to be involved in a short term working group on science and research.
- The following members expressed interest: Kevin, Dave, Jeff, Jess, Casey. Susan will set up a conference call with appropriate Ecology staff later in the summer.
- Rich Osborne suggested looking at ecosystem services valuation.
- Jennifer Hennessey suggested scheduling an update with the NOAA quantitative staff.

##### *Webinar on salmon surveys and ocean conditions*

Jennifer Hennessey announced that Brian Brook will conduct a webinar about juvenile chinook, trends around changing ocean conditions, and salmon survivability the week of Sept 17<sup>th</sup>. The webinar will be recorded.

- Susan will send out a doodle poll and meeting request for the webinar. If possible, there may some local sites for people to gather rather than everyone joining remotely.
- Corey Niles suggested broadening the topic beyond the juvenile salmon survey to include the “stoplight approach” focusing on indicators that influence salmon.
- Dale Beasley brought up avian predation and its dramatic impact on juvenile salmon.

#### **MRAC presentation**

Members from the Marine Resources Advisory Council provided an overview, recent activities, and upcoming efforts, ocean acidification science, agency-specific efforts, and the natural resource managers survey of priorities. The presentations can be found on the [WCMAC Website](#).

#### *Questions*

- Rich Osborne pointed out the NOAA funded sentinel site for OA; combining social and natural science.
- Jan Newton said Melissa Poe is leading the effort to conduct interviews up and down the coast. You can view the inventory on <http://www.nanoos.org/>. The effort includes synthesizing data and working with modelers to develop a 50-year forecast.
- In response to a question, Kirsten Feifel said Olympia oysters may be more resilient to upwells because they are better acclimated and brood the seeds longer, contributing to their survival.

- Dave Fluharty asked for more information about private contributions. Martha Kongsgaard described industry involvement and foundation funding.
- Dave Fluharty asked about “ecocaste”. Jan Newton commented on the modeling community working together and with NOAA and taking local data to the food web level.
- Dale Beasley asked about availability of data from the National Weather Service sensors. Jan is aware of the data source.
- RD Grunbaum asked if hypoxia and OA levels are significantly greater, and if scientists can conclude human impact. Jan Newton replied there is a documented trend in 30-year data showing a measurable change.
- Brian Sheldon mentioned that eel grass is trapping sediments creating an unhealthy muck, and infestations are resulting in anaerobic conditions. More eel grass is not necessarily better. Brian also commented that the data portal is useful for determining when to pull water in for oyster setting.

### **MSP Update**

Jen Hennessey provided a status update on the Marine Spatial Plan. Since the December meeting, their team has been working on responses to public comments. Staff resources are currently limited, but they still plan to release it soon.

*No discussion or questions*

### **Tsunami Preparedness**

Daniel Eungard, DNR, provided a presentation on tsunami preparedness. The presentation is included in the meeting materials posted on the [WCMAC Website](#).

*Discussion and questions*

- Brian Sheldon asked if there is strain measurement off shore. Daniel responded that there is land lift over time and this provides some idea of areas of bigger strain accumulation.
- Brian asked if the models consider scour effect. Daniel replied that scour is highly specific to the tsunami attributes and specific site qualities.

### **Damon Point Planning and Restoration**

David Palazzi and Birdie Davenport, DNR, provided an overview of the Damon Point Planning and Restoration. Birdie mentioned interest in receiving letters of support by July 1<sup>st</sup> (to be confirmed) for restoration grant submittal.

The presentation is included in the meeting materials posted on the [WCMAC Website](#).

*Discussion and questions*

- Rich Osborne expressed interest in a field trip to the site.
- Dave Fluharty asked about the longevity of the project given the dynamics of the beach. Birdie Davenport replied that it is a dynamic habitat but one that species need.
- Garrett Dalan asked about success with projects to attract back native species like the lark and plover.
- Brian Sheldon asked about citing of plovers or larks on site. Birdie replied that Damon Point is a tourist draw for Ocean Shores.
- Casey Dennehy said that Grays Harbor MRC may provide a letter of support.
- The timeline for the grant is submittals are due in July, evaluation will occur in the summer, and the ranked list will be published in September.

## Coastal Resilience Update

Bobbak Talebi, Ecology, described the survey and interview effort regarding regulatory flexibility to address coastal resiliency. He also briefed WCMAC on the work group's efforts to develop a science-policy workshop on focused on coastal erosion.

### *Discussion and questions*

- Susan asked for and received consensus that coastal erosion is the most important focus for a science and policy discussion. The work group will move forward on planning a workshop.
- Garrett, Rod, and Josh are also looking at other sponsors for an economic workshop.

## Public Comment

- Kristin Swenddal, DNR, thanked WCMAC for its great work.

## Upcoming Meetings

Susan solicited ideas for agenda topics for future meetings.

- Brian Sheldon wants to learn about what land managers are doing to address specific invasive species in estuaries on both public and private lands.
- Jess Helsley is interested in ownership rights related to derelict vessels, specifically state agency responsibilities and what WCMAC can do to develop recommendations.
- Some members expressed interest in more information on water quality and technologies for removal of opioids and microfibers. Casey Dennehy suggested inviting NOAA to speak at August meeting about the Marine Debris Action Plan. Jess suggested learning about general water quality concerns on the coast. Who/what are the largest contributors to water quality problems? Rich Osborne expressed interest in an outer coast perspective versus Puget Sound related to pollutants, the impacts, and where they are coming from.
- Susan added that WCMAC must finalize budget recommendations at the September meeting in order for them to be considered in the next legislative session.

## Summary of Decisions

- ! The March Meeting Summary was adopted with no changes.
- ! The revision to the bylaws allowing two to four at large members was approved.
- ! The slate of Steering Committee members was confirmed.

### Upcoming Meetings

- Wednesday, September 26, 2018
- Wednesday, December 12, 2018

*Meetings will be held in Aberdeen unless otherwise noted*

## Coastal Erosion Science-Policy Workshop Conceptual Agenda

### Geographic Area:

Neah Bay to the Lower Mouth of the Columbia River

### Audience

Local, state and federal governmental and non-governmental stakeholders interested in and affected by erosion on Washington's Coast. Stakeholders include crabbers, fishing interests, environmentalists, shipping and navigation, development interests, and local, state and federal government.

### Logistics

Two consecutive days in late April or early May (tentative). Probably in Ocean Shores or Aberdeen.

### Meeting Goals:

- Update the state of knowledge of shoreline dynamics along Washington's Coast;
- Baseline understanding of management approaches and common needs;
- Review and prioritize policy recommendations; and
- Come to a consensus on next steps.

### Background

Washington's coast has a rich history of culture and importance to our state's regional economy. The Pacific Ocean provides opportunities for marine dependent industries and a unique sense of place for residents. However, the coast is a dynamic, high-energy environment and the development that supports these uses has been at the interface of constant change.

Coastal shorelines are inherently subject to natural cycles of beach accretion and retreat. Threats of erosion have been enhanced in recent decades from human interference on the fundamental processes in a regional system that shaped the areas we enjoy and depend on. Historic and recent efforts<sup>1</sup> to address the impacts of erosion have resulted in expensive and temporary solutions that have primarily served the immediate needs and interests of each individual community. But, as hazardous conditions become more frequent and severe, communities recognize that this pattern of emergency response far exceed their resources and capacity. There is a need for a more long-term coast-wide resilience strategy.

WCMAC was established in 2013, to discuss the needs and priorities of the coast to inform the Governor (RCW 43.143.050). The group was originally appointed to support the Washington Marine Spatial Plan, but since this project is complete and moving into implementation, the Governor saw a natural transition to help address a similarly complex problem of coastal hazards resilience. Specifically, the Governor has requested for WCMAC to identify high priority needs and actions to carry out the recommendations from the Ruckelshaus assessment. Erosion and the magnifying effects of sea level rise was identified by the group as the first topic to explore.

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<sup>1</sup> 1998 Coastal community and Governor Gary Locke initiative under the Coastal Erosion Task Force  
2015 Willapa Erosion Control Alliance Now  
2016 Grays Harbor Resilience Coalition

## Day 1 – State of the Knowledge

### Purpose:

- Establish a baseline knowledge of science, including trends, contributing factors to erosion events, and predictions for the future
- Understand the community impacts of erosion
- Gather examples of management approaches and lessons learned

9:00-9:15	Welcome
9:15-10:30	Technical Expert Presentations – Southwest Coast Monitoring & Analysis (Where we started and what we know after 20 years of coastal monitoring) <ul style="list-style-type: none"><li>• George Kaminsky, Washington State Department of Ecology</li><li>• David Michalsen, Army Corps of Engineers, Seattle District</li><li>• Jarod Norton, Army Corps of Engineers, Portland District</li></ul>
10:30-10:45	Break
10:45-12:00	Technical Expert Presentations – North Coast Monitoring & Analysis (Recent reports) <ul style="list-style-type: none"><li>• Quinault Indian Nation</li><li>• Ian Miller, Washington Sea Grant</li></ul>
12:00-1:00	Lunch (provided)
1:00-2:30	Community Impacts & Management Approaches (Impacts to date, what's at risk, and costs of approaches thus far) <ul style="list-style-type: none"><li>• Ocean Shores</li><li>• Westport</li><li>• Shoalwater Bay Tribe</li><li>• Willapa Erosion Demonstration Project</li><li>• Quinault Indian Nation</li><li>• Benson Beach &amp; south Long Beach Peninsula</li></ul>
2:30-2:45	Break
2:45-3:45	Panel Discussion: Lessons Learned and Key Issues (Moderated by facilitator) <ul style="list-style-type: none"><li>• Ocean Shores</li><li>• Westport</li><li>• Shoalwater Bay Tribe</li><li>• Willapa Erosion Demonstration Project</li><li>• Quinault Indian Nation</li><li>• Benson Beach &amp; south Long Beach Peninsula</li></ul>
3:45-4:00	Summary & Setting the Stage for Day 2

## Day 2 – Developing a Durable Approach (

### Purpose:

- Define problem statements and policy goals
- Identify the challenges of implementing past recommendations
- Review and prioritize policy & funding alternatives
- Finalize next steps

9:00-9:15	Welcome
9:15-10:30	Summary of Science and Overview of Policy Approaches <ul style="list-style-type: none"><li>• Review of highlights from Day 1</li><li>• Overview of potential policy options and/or management approaches (discussion guide provided)<ul style="list-style-type: none"><li>• What is happening in other states</li><li>• Historic efforts<ul style="list-style-type: none"><li>○ Governor's 1998 Erosion Task Force</li><li>○ Lower Columbia Solutions Group</li></ul></li></ul></li><li>• Other ideas</li></ul>
10:30-10:45	Break
10:45-12:00	Discuss policy options: What is the best approach for the WA Coast? <ul style="list-style-type: none"><li>• Facilitated breakout groups</li></ul>
12:00-1:00	Lunch
1:00-2:15	Prioritize Policy & Funding Alternatives <ul style="list-style-type: none"><li>• Reports from breakout groups</li><li>• Finalize criteria for prioritization (suggested criteria provided in discussion guide)</li><li>• Prioritization of options based on criteria (dot exercise or other process)</li></ul>
2:15-2:30	Break
2:30-3:45	Consensus on next steps <ul style="list-style-type: none"><li>• Review top priorities</li><li>• Define next steps</li><li>• Assign roles and responsibilities</li></ul>
3:45-4:00	Closing Thoughts

## Preparation Materials

### Day 1

- At Ocean's Edge: Coastal Change in Southwest Washington (1998): <https://www.youtube.com/watch?v=RWkGhBMtqI8>

### Day 2

- Coastal Erosion Task Force Report and Recommendations
- 2017 Ruckelshaus Report and Recommendations
- Summary of Science Discussion Guide
- Policy Alternatives/Management Approaches Discussion Guide

DRAFT

**Agencies**

Washington State Department of Ecology  
Washington State Department of Natural Resources  
Washington State Department of Fish and Wildlife  
Washington State Parks  
US Army Corps of Engineers  
Washington Emergency Management  
Washington Sea Grant  
Federal Emergency Management Agency  
Department of Commerce  
USGS

**Local Governments and Tribes**

Quinalt Indian Nation  
Shoalwater Bay Tribe  
Pacific County  
Grays Harbor County  
City of Ocean Shores  
City of Westport  
City of Long Beach  
City of Ilwaco

**WCMAC**

All members

**Non-profits**

The Nature Conservancy  
Surfrider Foundation

**Ports & Harbors**

Port of Grays Harbor  
Port of Ilwaco

**Academic Institutions**

University of Washington  
Oregon State University

**Businesses**

Crab Fisherman Associations

**Conservation Districts**

Pacific County  
Grays Harbor County

**Diking Districts****Congressional Representatives**

# Discussion Guide

## WCMAC 2019-21 Budget Request

### Background

Last biennium, WCMAC requested \$217,000 in funding. The money was requested to fund the statutory duties of the Council<sup>1</sup>:

- Serve as a forum for communication concerning coastal waters issues.
- Serve as a point of contact for government agencies regarding coastal waters issues.
- Serve as an interagency resource to respond to issues facing coastal communities and resources.
- Identify and pursue public and private funding opportunities.
- Provide recommendations on specific coastal waters resource management issues.

The budget request also asked for funding for specific tasks:

- Preparing science agenda for the coast.
- Updating the Ocean Action Plan.
- Finalizing ecosystem indicators

The legislative appropriation provided funds for the tasks above, facilitation services, and agency overhead costs.

### Proposed Request for 2019-21

WCMAC requests a status-quo amount of \$217,000 to fund:

- The statutory duties of the council (as listed above)
- Facilitation of the council
- Specific tasks, including:
  - Finalizing ecosystem indicators for adaptive management in the marine management plan, and
  - Developing recommendations on high priority needs and actions to enhance coastal resilience to natural hazards
- Agency overhead

### Questions for WCMAC

- ✓ Do you agree with asking for status quo amount for the next biennium?
- ✓ Do you support the specific tasks of finalizing the ecosystem indicators and developing recommendations on coastal resilience?
- ✓ Are there other items on WCMAC's workplan that should be included?

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<sup>1</sup> RCW 42.143.060