

MEETING AGENDA  
January 11, 2021  
5:30 p.m. – 7:00 p.m.



Zoom Meeting

For more information about the MRC, please contact Cathy Lear at (360) 417-2361

**5:30 Call To Order / Introductions/ Changes to Agenda**

Welcome to Lisa Law – Alternate for the Development Community and Mary Sue Brancato – Alternate for the At-Large (Alan's position).

**5:35 Public Comment/Approval of Minutes**

**5:40 Tribal Marine Resources Program**

Two scientists, Adrienne Akmajian and Liz Allyn, working for the Makah Tribe will give presentations on two of their current projects. Adrienne Akmajian, Marine Ecologist, will talk about the Green Crab Removal project and Liz Allyn, marine mammal technician, will talk about the sea lion entanglement project..

**6:10 Clallam MRC Kelp Webinar**

Jeff Ward and Alan Clark will provide an update of the planning of the kelp webinar.

**6:15 MRC Symposium on Oil Spill Risks and Response**

Ann Stafford will provide a summary of the symposium and initiate the discussion with the MRC members about whether the Clallam MRC will restart the oil spill preparedness outreach.

**6:25 Clallam MRC Executive Committee**

The members will discuss the possibility of creating an Executive Committee for the MRC.

**6:30 February Meeting**

The members will decide when to hold the February meeting (February 8<sup>th</sup> or 22<sup>nd</sup>).

**6:35 NWSC Update**

Alan Clark will provide an update on current NWSC topics.

**6:40 Project Updates**

Climate Change: The subcommittee will provide an update.

Forage Fish: Tim Cochnauer will provide an update including a potential new site at Dawley Road and a discussion about purchasing the tablet.

Virtual River Festival: Lyn Muench will provide an update of the effort.

**6:50 Good of the Order**

New Items: Ann Soule

**6:55 Public Comments**

**7:00 Adjourn**

2021 Meetings

	April 19	July 19	October 18
February TBD	May 17	August 16	November 15
March 22	June 21	September 20	December 20

**Topic: Clallam Marine Resources Committee**

**Time: Jan 11, 2021 05:30 PM Pacific Time (US and Canada)**

**Join Zoom Meeting**

**<https://zoom.us/j/97050563658?pwd=SzFkeDkxYU5kVEJ1eW9SbDE3UGZIZz09>**

**Meeting ID: 970 5056 3658**

**Passcode: 268746**

**877 853 5257 US Toll-free**

**888 475 4499 US Toll-free**

**833 548 0276 US Toll-free**

**833 548 0282 US Toll-free**

**2021 Meetings**

February TBD	April 19	July 19	October 18
March 22	May 17	August 16	November 15
	June 21	September 20	December 20

**CLALLAM COUNTY**  
  
**MARINE RESOURCES COMMITTEE**

**Minutes**

Date: Monday, January 11, 2021  
 Time: 5:30 – 7:00 pm  
 Location: Zoom Meeting  
 Minutes prepared by: Alisa Taylor

**Members present:**

**P = Present E= Excused**

P Bob Vreeland	P Robert Knapp	P Arnold Schouten	P Tim Cochnauer	E Jesse Waknitz
P Ann Soule	E Jeff Ward	P Mike Doherty	P Latrisha Suggs	Makah Open Position
P Lyn Muench	P Alan Clark	P Ed Bowlby	P Ann Stafford	LEKT Open Position

**Alternates present:**

P Harold Kline	E Chris Burns	P Lance Vail	P Mary Sue Brancato
E Ioana Bociu	E Navarra Carr	P Lucas Hart	P Lisa Law

**Ex-Officio Members / MRC staff/Members of the Public Present**

Cathy Lear, Clallam MRC Coordinator; Sasha Horst, NWSC Operations Manager; Alisa Taylor, Clallam MRC Fellow; Adrienne Akmajian, Marine Ecologist with Makah Tribe; Liz Allyn, Marine Mammal Technician with Makah Tribe.

**Call to Order/Introductions/ Changes to Agenda**

Cathy Lear brought up an amendment to the agenda, and noted that Sasha Horst is present, to talk about upcoming MRC spring project development and grant applications.

**Public Comment/Approval of Minutes**

The November minutes were approved.

**Tribal Marine Resources Program**

Adrienne Akmajian, who works as a Marine Ecologist with the Makah Tribe, gave a presentation about the European green crab removal project. She shared that, since 2017 when the first green crab was seen in Neah Bay, 4800 traps have been deployed, and 3560 green crabs have been trapped. The traps were set in three locations: Wa’atch River, Tsoo-Yess River, and Neah Bay. In addition to monitoring and managing the green crab population, data is collected on each green crab’s carapace width, missing/regrown limbs or other damage, underside coloration, barnacle growth, eggs on females, whether the shell is soft, and molted shells. Data is also collected for the number of other species caught and released, and salinity and temperature. Green crabs caught range from abt 10-94mm. The traps used included minnow traps, fukui traps (can catch the greatest size variety of crabs) shrimp traps (can catch the most crabs), and catching some crabs by hand. Adrienne said that their work in 2020 wouldn’t have been possible without help from the intern hired by Clallam MRC, Angelina Woods. The team hopes to increase research and monitoring of the population, and would like to start a mark-recapture effort focusing on Dungeness crabs in the rivers, to develop a population estimate, and because there is some concern of green/Dungeness crab interspecific competition in intertidal zones where the Dungeness crabs are smaller.

Liz Allyn, who works as a Marine Mammal Technologist with the Makah Tribe, gave a presentation about Sea Lion entanglement in Northwest WA. The tribe has been monitoring sea lions for just over a decade, and wanted to know exactly how frequently entanglements occur. They also investigated what factors might drive or impact entanglement. The research focused on Stellar sea lions and California sea lions,

the materials involved in entanglements, annual and seasonal trends, and whether risk varies by species/sex/age. Data was collected via boat surveys, focusing on Tatoosh, Boldt(?), and Carroll Islands, and Neah bay. Their procedure was to count the total sea lions of each species at each site, count the number of entanglements, take photos, identify the entangled material, record the sex/age/species of the entangled individual. They also recorded all incoming reports about pinniped entanglement, and stranded or dead entangled sea lions. Stellar sea lions experienced an entanglement rate of 0.41%, and California sea lions 2.13%. Bands and flashers were the most common entangled gear, and were sometimes embedded as the animal grew. The salmon flashers were most commonly seen in the Summer, meaning sea lions are most likely encountering them only as active fishing gear. Members asked questions and discussed with Liz the importance of aiming to reduce entanglements by encouraging fishermen to either not throw bands overboard, or to at least cut them before throwing overboard (many don't cooperate with these requests). Although researchers in Australia are making biodegradable packing bands for this reason, they are not used commercially because they're not cost-effective enough. Latrisha asked if the data from this project could be used to support making changes in fishing regulations; Liz said that while the data is illuminating and interesting, it can't be generalized to the entire California sea lion population, because only male sea lions visit our local waters.

### **Kelp Webinar**

Jeff Ward, Alan Clark, and Alisa Taylor are working with Tom Mumford to put together the kelp webinar, which will be held in February. Declines in kelp populations (especially in areas beyond the Straits of Juan de Fuca) are cause for concern, and the goal is to educate the public about kelp, its importance to people and marine ecosystems, what's going on with kelp presently, and for what reasons. Another goal (likely to be discussed in a later installment of the webinar series) is to discuss the possibility of kelp aquaculture in the Straits. The first presentation will be about 45 minutes, with a question and answer period at the end. The kelp team also plans to gather feedback from the audience via a brief series of questions to be filled out at the end of the webinar, including questions aiming to find out what valuable new information people may have learned from the material presented, and what topics they'd be most interested to learn more about in an upcoming kelp webinar.

### **Oil Spill Risk/Response Symposium**

Ann Stafford presented about the NW Straits Symposium and WSU Webinar which she attended, regarding oil spill response planning. Each year, over 20 billion gallons of oil and other hazardous chemicals are transported through the Straits and Puget Sound. The GRP (Geographic Response Plan) includes outreach for oil spill preparedness, increases citizen knowledge, and helps create a network for understanding and carrying out protocols in the event of an oil spill. It also defines where environmental resources requiring protection are located, and is synergistic with all other MRC projects (those which focus on kelp, forage fish, PIGU, shellfish, etc). Over the past 5 years there have been oiled wildlife trainings, with over 400 people in Clallam County participating, but last year was cancelled due to the pandemic. Ann shared that WSU had presented 2 pilot programs: Beach Watchers (in Snohomish) and OSARS (Oil Spill Awareness and Response Support). It was brought up whether Clallam MRC has the resources to update the GRP, and noted that it would be ideal to be well prepared and to coordinate with primary response contractors and oil spill response orgs. Members asked if anyone from the county or the tribes are reviewing the GRP—it is unknown, but assumed that tribal biologists have at least reviewed it. Robert shared that Chris Burns is involved in an effort on behalf of the Jamestown tribe, to start mapping natural resources important to the tribe, to be included in the updated GRP. Bob pointed out that we should have a discussion about the resources in Clallam Co., especially those we don't know the locations of, and from the point of view of fossil fuel attorneys in the event of an oil spill related court case. Several members agreed that a time should be set aside to discuss this in more detail.

### **Clallam MRC Executive Committee**

Alisa Taylor shared some notes from Jeff Ward, in his absence. Jeff recounted how, when he was the MRC chair in the past, an Executive Committee existed and was made up of the current chair, the most recent former chair, and the NWSC Representative. He thinks an executive committee would be a good idea, and other members agreed. If the EC will be made up of the same positions as it had been in the past, the presently involved members would be Bob Vreeland (Chair), Jeff Ward (Former Chair,) and Alan Clark (NWSC Rep). The notion was supported by several members, but a final decision was not concluded, and will be discussed by the involved members via email.

### **February Meetings**

The members decided to hold the February meeting on the 22<sup>nd</sup>.

### **NWSC Update**

Alan Clark shared about funding concerns for the NWSC and NWSF for 2021—there has been a falling off of folks contributing or donating, due to the pandemic. There may be a possibility to acquire money from stimulus packages, though they will need to be focused on “shovel-ready projects,” and a link will need to be demonstrated showing that it provides jobs, and permits are in place. They are looking to groups including UW to find connections to solve this financial challenge. They are also looking into “action to impact;” ways to demonstrate that educational outreach projects are having a positive impact. Due to time constraints, Alan asked people to email him with any additional questions about NWSC happenings.

### **Project Updates**

Forage Fish Sampling: Tim shared that the sampling effort is going well, and was able to be done in the daylight for the first time after several months. There has been some discussion of adding Dawley Beach at the South end of Sequim Bay, as a sampling location, though confirming the addition is pending response from Sarah at NOSC. Tim said that the Cline Spit sampling team will discuss whether the addition of Dawley Beach is something they can take charge of.

The purchase of a tablet for the forage fish surveys (to use the WDFW survey app) was again discussed; options include getting a tablet with a waterproof case and either pay for a data plan, use a mobile hot spot in the field (which uses someone’s phone data), or to wait until an internet connection is available after the field survey, to later enter the data on the tablet. Tim said the team can keep playing it by ear for now, and continue using the app on Tim’s phone instead of a tablet.

Virtual River Festival: Lyn shared that there is a good chance there may actually be a festival in the fall, but it’s questionable and will depend on how things progress with the pandemic. She will share any updates about this as they come through.

Climate Change: Ann Soule shared that the North Olympic Development Council is putting out an RFP (Request for Proposals) to help with the Climate Action Plan, but the RFP is delayed and could be out in the next few months. After meeting with Rich Meier at the county, Ann learned that they are developing an agreement with City of PA to coordinate collection of data into a greenhouse gas inventory of the entire county. Ann is including Sequim City Council in this, if they are willing to be a part of it. Lyn did some great investigating about what was happening with DNR to climate change, and learned a lot—due to time constraints, Lyn will share about this in a short verbal or written report, soon. Ann would like to propose that the MRC continues to interact with commissioners on a regular basis, perhaps in the Fall after the field season. Commissioners would like the MRC to be recruiting business voices more, which Arnold agreed to help with. It was discussed that the climate committee will reach out to either Colleen or Jesse at Port of PA, and find out if they are working on a climate action plan.

### **Good of the Order**

Cathy and Sasha discussed that soon, they will put together the list of spring projects for which to write proposals for funding. Sasha wants to help the MRC get the framework together, and to think about how to decide what to emphasize for the upcoming year. She mentioned that the Executive Committee may

be the ones to help decide project development; she's not expecting detailed project info just yet, mainly an overview of the MRC's desired approach. Sasha would like to touch base with the MRC again about this in March.

Tim shared that, in February, the internship subcommittee will present a report on the update of the program. Tim plans to email Ed, Jeff, Alan, and Arnold, to discuss and plan the report for the next MRC meeting.

### **Public Comment**

Latrisha brought up the MRC having made a recommendation a few meetings ago, to send a letter to Clallam Co. Dept of Health to support stable funding of the on-site septic system program. There was mention that the county was looking at all utility users in the county regardless of city, and considering charging them all a fee, and Latrisha asked if anyone could share an update about this.

Lyn said that when the commissioners last discussed the topic, they decided to look at alternatives and postpone any immediate action. There is deliberation over the question: should everyone in the county pay, or just people with septic systems? "If you are already hooked up to a sewer, why should you have to pay to have someone else's septic system inspected?"

Latrisha pointed out that the concern for the city is that all users, regardless of being already connected to the system, are a part of what's concerning for the city and how issues may impact the city as well as the environment. Bob pointed out that we're all going to pay for it, if not in the form of a fee, in the form of how another overflow will impact natural resources.

### **Adjourn**

The meeting ended at 7:30 pm.

**MEETING AGENDA**  
February 22, 2021  
5:30 p.m. – 7:00 p.m.



**Zoom Meeting:** <https://zoom.us/j/92671545943?pwd=NXNPeklGTGEwWS9zNE9KUjFBNGo4QT09>

For more information about the MRC, please contact Cathy Lear at (360) 417-2361

**5:30 Call To Order / Introductions/ Changes to Agenda**

**5:35 Public Comment/Approval of Minutes**

**5:40 MRC Symposium: Oil Spill Risk and Response**

Ann Stafford will lead the continued discussion with the MRC members about whether the Clallam MRC will restart the oil spill preparedness outreach, as well as the rewriting of the Geographic Response Plan to reflect the locations of natural resources.

**5:50 Clallam MRC Executive Committee**

The members will discuss the creation of the Executive Committee for the MRC.

**5:55 Recording of MRC Volunteer Hours**

Alisa Taylor will provide the members with some different options for keeping track of volunteer hours and dates, for the quarterly reports to be sent to Sasha at NWSC.

**6:10 March Meeting**

The members will decide when to hold next month's meeting.

**6:15 NWSC Update**

Alan Clark will provide an update on current NWSC topics.

**6:25 Project Updates**

Climate Change: Ann Soule and the subcommittee will provide an update.

Upcoming grant applications: Cathy Lear will lead discussion about projects to be included in the applications.

2021 Intern Program: Tim Cochnauer will provide an update.

**6:50 Good of the Order**

**6:55 Public Comments**

**7:00 Adjourn**

**2021 Meetings**

January 11	April 19	July 19	October 18
February 22	May 17	August 16	November 15
March 22	June 21	September 20	December 20

**Zoom Meeting Info:**

**Topic:** Clallam Marine Resources Committee Meeting

**Time:** Feb 22, 2021 05:30 PM Pacific Time (US and Canada)

**Join Zoom Meeting**

<https://zoom.us/j/92671545943?pwd=NXNPekIGTGEwWS9zNE9kUjFBNGo4QT09>

**Meeting ID:** 926 7154 5943

**Passcode:** 574936

One tap mobile

+12532158782,,92671545943#,,,,\*574936# US (Tacoma)

+16699006833,,92671545943#,,,,\*574936# US (San Jose)

**Dial by your location**

+1 253 215 8782 US (Tacoma)

**Meeting ID:** 926 7154 5943

**Passcode:** 574936

Find your local number: <https://zoom.us/u/aP4YdwDBH>

**2021 Meetings**

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**CLALLAM COUNTY**  
  
**MARINE RESOURCES COMMITTEE**

**Minutes**

Date: Monday, February 22, 2021  
Time: 5:30 – 7:00 pm  
Location: Zoom Meeting  
Minutes prepared by: Alisa Taylor

**Members present:**

**P = Present E= Excused**

P Bob Vreeland	P Robert Knapp	P Arnold Schouten	P Tim Cochnauer	E Jesse Waknitz
P Ann Soule	P Jeff Ward	P Mike Doherty	P Latrisha Suggs	Makah Open Position
P Lyn Muench	P Alan Clark	P Ed Bowlby	P Ann Stafford	LEKT Open Position

**Alternates present:**

P Chris Burns	P Lance Vail	E Lucas Hart
P Ioana Bociu	E Navarra Carr	E Mary Sue Brancato P Lisa Law

**Ex-Officio Members / MRC staff/Members of the Public Present**

Cathy Lear, Clallam MRC Coordinator; Sasha Horst, NWSC Operations Manager; Alisa Taylor, Clallam MRC Fellow, Nancy Mills

**Call to Order/Introductions/ Changes to Agenda**

Ed Bowlby shared that he would like to make some comments about the Pigeon Guillemot survey project, under good of the order.

Cathy Lear noted that, while the agenda states she will lead the discussion about grant applications, in fact Jeff Ward will be leading the discussion.

**Public Comment/Approval of Minutes**

Under the discussion regarding the Executive Committee, it is stated that the former chair (to be involved in the committee) is Ed Bowlby; this was corrected to Jeff Ward, who is in fact the former chair.

The January minutes were approved.

**Oil Spill Risk and Response**

Ann Stafford shared that there will be a meeting held sometime in March to discuss the topic of oil spill preparedness, and it will be held at an outdoor covered space at Arnold Schouten’s property. Interested people were asked to email Ann so she can coordinate scheduling of the meeting.

**MRC Executive Committee**

It was decided that the executive committee shall consist of three core members: the Chair (Bob Vreeland), The Former Chair (Jeff Ward), and NWSC Rep (Alan Clark). The committee will meet once a month in advance of the MRC meeting. Any project leads whose project is of relevant discussion for the month, will be invited to intend the meeting as well.

**Recording of Volunteer Hours**

The members found the Google Sheets option for recording hours to be appealing. It was agreed that both forms (google sheets and google form) would be sent along to the committee, to decide which is preferable in the long run.

**March Meeting**

The members decided to hold the next MRC meeting on March 15<sup>th</sup>.

## **NWSC Update**

Alan Clark shared about the NWSC's effort to create a tribal acknowledgement, honoring that the local Indigenous Tribes have worked very closely with our organizations in conservation and restoration efforts, and to encourage future work together on shared projects. A summary of the 2020 bull kelp monitoring data was provided by Dana Oster at the last meeting. There also was a kelp season review webinar with over 50 attendees, where an overview of all regions' various survey methods & results. The NWSC is reviewing and updating their communication plan, in order to be more effective and able to explain what it is the organization is doing, to the public, elected officials, each other, and so on.

## **Project Updates**

**Climate Change:** Ann Soule shared that Mike Doherty has reached out to DCD Director Mary Ellen Winborn, and discussed some of the MRC's interests as far as climate action planning. Director Winborn is available to attend a monthly MRC meeting, or a climate subcommittee meeting; it was decided that the MRC shall invite Director Winborn to a monthly meeting soon. The Olympia development council grant has had no updates in the last two months. Lyn Muench shared notes about the DNR carbon sequestration advisory group. Ann noted that DNR's jurisdiction overlaps a lot with nearshore lands where the MRC does work related to various projects. Ed Bowlby suggested that it would be great to invite Director Winborn to a meeting when we will have a speaker to present on a topic relevant to the county. Bob Vreeland suggested that we invite Ian Miller to give a presentation, and Ann said she would pass along the info, though a final decision about inviting a speaker, or when, was not made.

**Grant Applications:** Jeff Ward explained the process of preparing to assemble a proposal and cost estimate, part of which is deciding what the MRC wants to do during the next funding cycle: Oct 1 2021- Sept 30 2023. The estimate is \$94,000 per year, or \$188,000 for the two year cycle. The members discussed each of the current MRC projects, and decided to maintain the following projects: kelp monitoring, forage fish monitoring (including Tumwater creek), shellfish biotoxin sampling at pillar point, pigeon guillemot monitoring, oil spill preparedness, Olympia oyster restoration, the sanitation effort at Elwha beach, and education and outreach. There were no current projects which weren't planned to be maintained.

**2021 Internship Program:** Tim Cochnauer shared that the subcommittee has met, and proposed that the program continue in essentially the same fashion as it had last year. There will be two interns and three positions (one of the three positions is the Fellowship, which has absorbed the kelp monitoring internship). The two internships offered will be for the Tumwater Creek smolt trap, and green crab trapping with ecologists at the Makah tribe. The smolt trap internship will offer 80 hours, and the green crab 160 hours. The announcement will be revised and application deadline decided, with an aim to have the first interviews around the 1<sup>st</sup> of April. The internship program plan was approved as described.

## **Good of the Order**

Ed Bowlby shared a brief update about the pigeon guillemot monitoring project. The new breeding season (and monitoring season) is coming up, and the signage to be posted at Port Williams educating the public about the birds and how to enjoy the beach without disturbing them, is being finalized. The aim is to have the sign finished and posted before the monitoring season begins. The cost of the signs should be approx. \$100/per. Bob Vreeland suggested that, in addition, the MRC could design hoodies for those involved in the monitoring effort, with logos for the MRC and its partners (as well as a QR code to the MRC site) on the front, and a pigeon guillemot with "for the birds!" on the back. It was agreed this could be a great idea, though plans to create the hoodies were not yet set into motion.

Jeff Ward briefly mentioned that the Clallam MRC Kelp webinar will be held in two days, on Wednesday at 7:00 pm, and invited everyone to join to hear the presentation with Dr. Tom Mumford.

## **Public Comment**

No public comment was made.

**Adjourn**

The meeting ended at 6:45 pm.

## DRAFT MEETING AGENDA

March 15, 2021

5:30 p.m. – 7:00 p.m.

Zoom meeting  
information follows  
agenda



For more information about the MRC, please contact Cathy Lear at (360) 912.5995

**5:30 Call To Order / Introductions/ Changes to Agenda**

**5:35 Public Comment/Approval of Minutes**

**5:40 April Meeting**

The members will decide when to hold next month's meeting.

**5:45 Post- Kelp Webinar Update**

Jeff Ward, Alan Clark, and Alisa Taylor will share about the outcome of the recent webinar with Dr. Mumford, as well as a brief discussion about feedback submitted by attendees, & subsequent projections for future kelp webinar topics.

**5:55 Oil Spill Preparedness**

Ann Stafford will provide an update.

**6:05 Project Updates**

Climate Change: Ann Soule and the subcommittee will provide an update, and discuss recruitment and education items which are in need of leadership.

Additionally, Ann will lead discussion about content ideas for a letter to be written by Alisa, to ask for time on the BOCC work session agenda for early fall, to provide an annual MRC progress report.

2021 Intern Program: Tim Cochnauer will provide an update.

**6:30 Educational Outreach**

In honor of Billy Frank Jr, a treaty rights activist of the Nisqually Tribe, (whose day is celebrated Mar 9<sup>th</sup>), LaTrisha Suggs will give a brief overview of what Billy accomplished & is recognized for. Alan Clark will illuminate us about misinformation presently surrounding tribal fisheries, and lead discussion about ideas for how we could create an outreach effort to better inform the public.

**6:40 NWSC Update**

Alan Clark will provide an update on current NWSC topics.

**6:50 Good of the Order**

**6:55 Public Comments**

**7:00 Adjourn**

**2021 Meetings**

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**Zoom Meeting Info:**

**Time: Mar 15, 2021 05:30 PM Pacific Time (US and Canada)**

**<https://zoom.us/j/98265790237?pwd=UjJNenBMMmhKYS9Rc1FuRW1OOEhFQT09>**

**Meeting ID: 982 6579 0237**

**Passcode: 474311**

**One tap mobile**

**+12532158782,,98265790237#,,,,\*474311# US (Tacoma)**

**+16699006833,,98265790237#,,,,\*474311# US (San Jose)**

**2021 Meetings**

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**CLALLAM COUNTY**  
  
**MARINE RESOURCES COMMITTEE**

**Minutes**

Date: Monday, March 15, 2021  
 Time: 5:30 – 7:00 pm  
 Location: Zoom Meeting  
 Minutes prepared by: Alisa Taylor

**Members present:**

**P = Present E= Excused**

E Bob Vreeland	E Robert Knapp	P Arnold Schouten	P Tim Cochnauer	? Jesse Waknitz
P Ann Soule	P Jeff Ward	E Mike Doherty	P Latrisha Suggs	Makah Open Position
? Lyn Muench	P Alan Clark	P Ed Bowlby	P Ann Stafford	LEKT Open Position

**Alternates present:**

P Chris Burns	? Lance Vail	E Lucas Hart
P Ioana Bociu	E Navarra Carr	E Mary Sue Brancato ? Lisa Law

**Ex-Officio Members / MRC staff/Members of the Public Present**

Cathy Lear, Clallam MRC Coordinator; Alisa Taylor, Clallam MRC Fellow

**Call to Order/Introductions/ Changes to Agenda**

No changes were made to the agenda.

**Public Comment/Approval of Minutes**

No public comment was made.

The January minutes were approved without changes.

Next month’s meeting was approved for April 19<sup>th</sup>.

**Post Kelp Webinar Update**

Jeff Ward shared that [insert paper notes]

**Oil Spill Preparedness**

A meeting is scheduled for 4 pm on the 18<sup>th</sup> at Arnold Schouten’s place, Ann Stafford will provide an agenda for the meeting. Topics covered will include what oil spill preparedness efforts the MRC has been involved in in the past, what’s in place currently vs where the gaps in knowledge/preparedness are, and how to proceed with marine resource mapping, educational outreach, and planning of future oil spill response preparedness efforts.

**Project Updates**

**Climate Change:** Ann Soule shared that the subcommittee reported to MRC membership a while back that the commissioners asked for more recruitment from the business community, as advisors or volunteers. The committee suggested follow through by asking Colleen McAleer with the Port of Port Angeles and the EDC, who she may know of to inquire with about potential interest. Members agreed to create a brief outline of what specifically is being asked of a potential new volunteer, or a general set of topics of interest to focus on. A subcommittee was formed to take on this endeavour (separate from the climate change subcommittee), and will include Ann Soule, Ed Bowlby, and Arnold Schouten.

**Letter to Commissioners Requesting to Present at Work Session in the Fall**

Alisa Taylor has agreed to help Ann Soule draft a letter inquiring with the commissioners about including a report about the MRC’s activities at a work session in the fall. Members will review and contribute

talking points, and Ann Soule will send the letter along to the executive committee for final updates. Members agreed to continue talking about this, with more details to come as fall approaches.

Pigeon Guillemot Survey: Ed Bowlby shared that the MRC partnered with OPAS (Olympic Peninsula Audubon Society) to create and fund signage to be posted within Clallam county parks, intended to inform people about the birds, and bring up individual responsibility in terms of conservation. The signs are cost-shared between both orgs, at \$125-500 per sign. Each sign will have a QR code which links back to the MRC website. It was inquired as to whether activity from people following the QR code link will be trackable; if so, following this for data about how people from the community interact with the posted information would be desired information. More questions will be asked of Sasha Horst and others, to determine if this is possible.

2021 Internship Program: The internship program is ready to begin the hiring process, and the announcement has been completed and shared with an application deadline of Friday the 19<sup>th</sup>. There are so far no applicants, but there is still time to advertise and for people to apply. The announcement will be shared on the website, on the MRC's social media, as well as Northwest Straits and Fiero Marine Life center media.

### **Educational Outreach**

Latrisha Suggs shared about Billy Frank Jr, in honor of his accomplishments—BFJ day is March 9<sup>th</sup>. He was a Native American environmental and treaty rights activist. He focused quite a bit on marine habitat treaty rights, and Native American tribal sovereignty. He participated in the Elwha Dam removal project. His motto was “tell the truth, stay the course” and he applied this notion, for instance, when he worked to protect the environment for salmon, and to support education and outreach about this and other important topics.

Alan Clark shared that some outreach and education regarding native fisheries may be helpful, although potentially controversial, may help to alleviate the misunderstanding among the community that, any time salmon numbers decrease, fault lies with native fisheries. In the past, a lot of negative outreach had occurred from people in leadership positions, and that's something we could contribute positively to the clarification of.

### **NWSC Update**

Alan Clark shared about the NWSC's meeting highlights from the 26<sup>th</sup>. The WA Trust for Historic Preservation presented on Maritime WA National Heritage Areas, and the presentation is available to all MRC's—Alan can send it to anyone who would like to see it. Katie Harris of NWSC has moved on to take a job elsewhere, and NWSC will be announcing they're hiring for her position soon. Tom Cowan of External Relations Committee reported that funding is available up to the full \$910,000. Julia Parish is the new chair of the Science Advisory Committee. Puget Sound Partnership is putting the 2021 Virtual Puget Sound Day on the Hill back up, and it's going to be every Friday starting April 23, going till May 21, 1-2:30pm. It will include information about what legislators are doing in WA state, with some dialogue welcomed from the audience.

### **Good of the Order**

Cathy Lear shared that the county was able to, despite the hiring freeze, advertise for the MRC Coordinator/Floodplane Restoration Coordinator position. 50 applications were received, so someone is sure to be the right fit. The hiring committee (including Tim Cochnauer and Cathy Lear) is working on selecting applicants, and will proceed with the process in the coming month.

Chris Burns shared that tentative dates for the Olympia Oyster surveys at Jamestown, have been determined: 5/13 and 5/24-28.

**Public Comment**

No public comment was made.

**Adjourn**

The meeting ended at 7:05 pm.



**MEETING AGENDA**  
**April 19, 2021**  
**5:30 p.m. – 7:00 p.m.**



**Zoom Meeting:** <https://zoom.us/j/92096346260?pwd=Ny80MG13VmdwbDdrc1gvQ2wzbn0zd09>

*For more information about the MRC, please contact Cathy Lear at (360) 417-2361*

**5:30 Call To Order / Introductions / Changes to Agenda**

**5:35 Public Comment / Approval of Minutes**

**5:40 Project Planning: Field Work**

Kelp Monitoring: Alan Clark and Jeff Ward will explain the forecasted schedule for kelp bed temperature monitoring, kayak surveys, and motorized kelp surveys. They will also give an update about the kelp webinar series.

**5:50 Smolt Trap:** Tim Cochnauer will explain the plans for how and when the trap will be installed, monitored, and removed.

**6:00 Oil Spill Preparedness**

Ann Stafford will give an update, after the March meeting regarding continued preparedness efforts.

**6:10 Forage Fish**

Tim Cochnauer will lead discussion about the acquisition of a microscope for discerning forage fish eggs.

**6:20 MRC Internship Program**

Tim Cochnauer will provide an update about internship outreach efforts: interviews with green crab candidates, a video announcement, outreach to college instructors, and the possible creation of another internship focusing on the coasters project.

**6:25 Volunteer Recruitment**

Mary Sue Brancato will lead discussion about which projects could use volunteers, how many, and how they may be trained to help, as well as how other MRC's recruit and manage volunteer help.

**6:30 NWSC Update**

Alan Clark will provide an update on current NWSC topics. Alan will also lead discussion about a presentation by the MRC to be given to the NWSC in May or June, regarding our current projects, and how they are faring.

**6:40 NWSF Internship Program Survey**

The members will discuss how to respond as a group to the request for feedback about the program.

**6:50 Good of the Order**

**6:55 Public Comments**

**2021 Meetings**

January 11	April 19	July 19	October 18
February 22	May 17	August 16	November 15
March 15	June 21	September 20	December 20

7:00 Adjourn

**2021 Meetings**

January 11  
February 22  
March 15

April 19  
May 17  
June 21

July 19  
August 16  
September 20

October 18  
November 15  
December 20

## **Zoom Meeting Info:**

**Topic:** Clallam MRC Zoom Meeting

**Time:** Apr 19, 2021 05:30 PM Pacific Time (US and Canada)

### **Join Zoom Meeting**

<https://zoom.us/j/92096346260?pwd=Ny80MG13VmdwbDdrc1gvQ2wzbn0zdz09>

**Meeting ID:** 920 9634 6260

**Passcode:** 277349

One tap mobile

+12532158782,,92096346260#,,,,\*277349# US (Tacoma)

Dial by your location

+1 253 215 8782 US (Tacoma)

**Meeting ID:** 920 9634 6260

**Passcode:** 277349

Find your local number: <https://zoom.us/u/adoEAVtGw>

**Meeting ID:** 920 9634 6260

**Passcode:** 277349

### **2021 Meetings**

January 11

April 19

July 19

October 18

February 22

May 17

August 16

November 15

March 15

June 21

September 20

December 20

**CLALLAM COUNTY**  
  
**MARINE RESOURCES COMMITTEE**

**Minutes**

Date: Monday, April 19, 2021  
 Time: 5:30 – 7:00 pm  
 Location: Zoom Meeting  
 Minutes prepared by: Alisa Taylor

**Members present:**

**P = Present E= Excused**

- |                |                |                   |                  |                     |
|----------------|----------------|-------------------|------------------|---------------------|
| P Bob Vreeland | P Robert Knapp | E Arnold Schouten | P Tim Cochnauer  | E Jesse Waknitz     |
| P Ann Soule    | P Jeff Ward    | P Mike Doherty    | P Latrisha Suggs | Makah Open Position |
| P Lyn Muench   | P Alan Clark   | P Ed Bowlby       | P Ann Stafford   | LEKT Open Position  |

**Alternates present:**

- |               |                |                                |
|---------------|----------------|--------------------------------|
| P Chris Burns | P Lance Vail   | ? Lucas Hart                   |
| ? Ioana Bociu | E Navarra Carr | P Mary Sue Brancato ? Lisa Law |

**Ex-Officio Members / MRC staff/Members of the Public Present**

Cathy Lear, Clallam MRC Coordinator; Alisa Taylor, Clallam MRC Fellow; Rebecca Paradis, Biologist with Lower Elwha

**Call to Order/Introductions/ Changes to Agenda**

Ann Soule requested time during Good of the Order to discuss updates from the climate subcommittee. Chris Burns requested some time to give an update about the Olympia Oyster Survey effort.

**Public Comment/Approval of Minutes**

No public comment was made. The minutes were approved.

**Project Updates**

Kelp Monitoring: Alan Clark explained the plans for the upcoming season’s kelp monitoring effort. The two kelp beds at Freshwater Bay, and the one at Clallam Bay will be surveyed by kayak between June-September. A pair of temperature monitors will be placed in the large Freshwater Bay kelp bed, from late May through September. The motorized boat survey of the North Olympic Coast, looking for presence/absence of kelp along the shoreline, will again occur in August-September. The goal is to cover a greater stretch of the Straits this year, if possible. The gopro will be employed to take photos and video, both during kayak and motorized surveys—the kelp team are investigating possible cameras/equipment with which to capture better quality underwater photos from the motorized boat. The kelp team are also looking into creating an improved plankton sampling system, to be operated from the motorized boat. Jeff Ward shared that the kelp webinar series is in the planning phase, and will resume by September 2021. Helen Berry and Max Calloway have been in contact with the webinar planning team as potential presenters, but at this time they are handling staffing issues and, while interested, may not be available immediately to participate.

Smolt Trap: Tim Cochnauer gave an overview of the plan for the smolt trapping effort on Tumwater Creek. The project is in partnership with the Elwha tribe, and is planned to be set up and in operation on April 29<sup>th</sup>. WCC and Rebecca Paradis also will help with the installation. The trap will be checked regularly with the MRC intern once one is selected, and it will be removed sometime in the middle of July.

Oil Spill Preparedness: Ann Stafford shared about last month's oil spill preparedness meeting, which was very successful. Members agreed at the meeting that they want to facilitate public education about oil spill risk and response, and if possible (and if the public is receptive in sufficient numbers) bring back in-person HAZWOPR and Oiled Wildlife trainings, to Clallam County. There is also talk of setting up a program similar to WSU's Beach Watchers/OSARS. Ann has reached out to San Juan County MRC (response pending) to inquire about the process and cost of their recent appraisal, which produced an estimate of [insert \$\$ from other notes] in damages, in the event of an oil spill. Chris Burns has put forth a valuable effort toward updating the GRP database, which shows the location of important environments and species distribution in the Straits of Juan De Fuca. The database will be updated following upcoming seasonal surveys, which will be conducted throughout this year. Chris also suggested that Jefferson MRC may be interested in participating in/helping to host training classes, and Ann and others agreed that they should be contacted. Rebecca Paradis shared that some of the tribes are working on getting HAZWOPR training as well, and recommended that the MRC reach out to the tribes to find out if they could collaborate with hosting, as well as whether they have connections to the Dept. of Ecology, to set up the trainings.

Forage Fish: Tim Cochnauer brought up the conversation from several months ago, regarding purchase of a microscope to be used for identification of forage fish eggs, as well as for other potential uses with other projects (such as plankton sampling for the kelp monitoring project), and as a tool for education and outreach. After talking with Lisa Hillier at the Department of Fish and Wildlife, Tim received the specs for a particular microscope which seems to suit our needs. It is a stereo microscope with a camera attachment, allowing for easy capture of photos and videos of the subject, and which can be attached to a computer (windows or mac) to be broadcast to an audience. The price is under \$600, marked down from the usual \$1100 (limited sale time). Tim asked the group if they might approve funding to purchase the scope, for no more than \$700 (to accommodate for tax, etc). It was determined that the scope will be stored with the county, at the office of the coordinator or in the care of Cathy Lear. The motion was made, and passed, to purchase the microscope, at the price of up to \$700.

Olympia Oyster: Chris Burns shared that the next upcoming survey of the area where oyster seed was planted a couple of years ago (where, exactly?), will be on May 13 at 9:30am. Anyone who is interested in participating can contact him by email at [cburns@jamestowntribe.org](mailto:cburns@jamestowntribe.org). Additionally, there will be a survey of the entire beach at Blyn, to produce a heat map showing presence/absence of Oly oysters, identify/show where the "hot spots" are, and give an idea of how the restoration effort has fared. This will take place on May 25-28. Anyone who is interested to participate can email Chris, and it's recommended to bring good boots- at least hip waders.

### **MRC Internship Program**

Ed Bowlby shared that he, Ann Soule, and other members have discussed the possibility of creating an internship for the educational/outreach effort focused on creating and distributing MRC coasters to public venues. The internship would be set not to exceed 50 hours. The intern would help with designing, and arranging distribution of the coasters. Tim Cochnauer offered a review: in addition to the fellowship focused on the kelp survey, currently filled by Alisa Taylor, the MRC has only two other internship positions available in 2021: Green Crab trapping & removal, and the Tumwater Creek smolt trap project. Interviews of four different candidates have been conducted last week, and an intern has been selected for the Green Crab position. The internships will start imminently, and continue through the end of July or beginning of August. More interviews will be held in the coming weeks, before a decision is made for the other two internships. Ed Bowlby made a motion that the new internship, focused on creation of "public outreach items," will be offered (pending sufficient allowance by the budget), not to exceed 50 hours. The motion was passed.

## **Volunteer Recruitment**

Mary Sue Brancato asked of the MRC, would you want more citizen science volunteers for your projects? Ed Bowlby said that the PIGU project could use more volunteers. Alan said that about 2-3 volunteers to help with the kelp survey project would be good, especially those with some kayaking and swimming experience. Alan said he would be willing to train people and to provide kayaks/equipment. Tim Cochnauer said that both the forage fish survey and Tumwater smolt trap project are fairly brief in the field, and there's not a lot for many volunteers to do. He said that, on days when there are a lot of fish at the smolt trap, that may be a good time to include some citizen science volunteers. Bob Vreeland said that shellfish biotoxin monitoring can take anywhere from 5-30 minutes to conduct, and it's quite far to drive for most people (at Pillar Point). Due to the closure of highway 112 this season, the only way for Bob to get to Pillar Point will be to drive around to Sappho and drive down to 113, which is not practical in terms of time, and fossil fuel burned. Lyn Meunch asked, what if the MRC could find a volunteer who lives on the other side of the highway closure, to conduct this survey? Bob and Jeff Ward both agreed this would be helpful. Someone from Clallam Bay or Sekiu could serve as a contact point/representative from that area, and help with sampling clams. Mary Sue said she would start by inquiring with the other MRCs who already have volunteer programs, to learn about how they are run. Mary Sue concurred with Jeff Ward's recommendation that she contact Lucas Hart and Dana Oster at NWSC about this as well.

## **NWSC Update**

Alan Clark said that, despite having been working short staffed since January, the NWSC admin position is anticipated to be hired in May or early June. The NWSC are also creating some new project assistant positions, and will plan to have 1 more intern through the veterans conservation corps, working on expansion of green crab trapping and monitoring. The tribal acknowledgement is being adapted with Cecilia Gobin from Northwest Tribal Fisheries, and will be included in the meetings this or next month. State funding for the year is looking good, the green crab and kelp projects are both covered in the budget. The NWSC is looking at working with a few charitable trusts. As the NWSC rep, Alan is brainstorming for the upcoming MRC presentation to the NWSC. The presentation will be no longer than 10 minutes, and will focus on one of the projects that would be relevant, interesting, or that Clallam MRC would like to get people's input on, from Northwest Straits and from other MRC's. Alan's potential topics of discussion include: 1) the process of forming the climate action committee, what they are trying to accomplish, successes and setbacks; 2) the Tumwater Creek smolt trap project, how it works, what is the goal, and interesting data/info yielded from the effort. After some consideration, it was decided that Alan would ask Sasha at NWSC if Clallam MRC can give the presentation at the June meeting, which will be on the 25<sup>th</sup>. This provides at least four weeks for collaboration, planning, and practicing of the speech, which will be finalized at the Clallam MRC May meeting.

## **NWSF Internship Program Survey**

Alisa Taylor filled out the survey accordingly via screen share, as the Members collectively discussed and agreed on the best answers to each of the questions.

## **Good of the Order**

Ed Bowlby gave an update about the Pigeon Guillemot monitoring project. The monitoring teams will begin surveying in the first week of June. The signage for the project at Port Williams will be installed sometime soon. The virtual training has been improved and updated since last year. Ed said there may be a request of the MRC to fund the running of an ad in the newspapers, to recruit volunteers for the project.

Cathy Lear shared a brief update about climate action planning, from an email sent by Ann Soule. From Ann's email:

#### Climate Action Planning:

- Clallam County: No news from our connections there except they intend to coordinate with City of P.A. greenhouse gas emission inventory efforts (for entire county).
- City of P.A.: Bob and Ann (and maybe Mike and Ed) are on email list. Cascadia is hired consultant; still in organizing mode for GHG inventory.
- North Olympic Development Council (NODC): Ann, Bob, Cathy, Mike are on email list. Soon to post an RFQ for consultant to assist local jurisdictions with climate planning work.

#### Forestry and sequestration

- Attached Lynda Mapes article from late March on differing proposed approaches to conservation vs logging rotation of old growth forest.

Bob Vreeland shared that Cascadia said they would need a number of volunteers, but as of this week he had not heard any updates about this.

Mike Doherty quickly shared that, on the 27<sup>th</sup> of April, there will be a workshop on Washington National Maritime Heritage concept. They are looking for people's opinions about what they would expect out of a new program, to help coastal communities. For more information, visit their website and/or sign up for the monthly newsletter. Part of the work of the Sanctuary Advisory Committee is to come up with ideas to implement the Biden Administration's idea of conserving 30% of public lands and water, for which a second workshop is happening this week.

#### **Public Comment**

No public comment was made.

#### **Adjourn**

The meeting ended at 7:00 pm.

**MEETING AGENDA**  
May 17, 2021  
5:30 p.m. – 7:00 p.m.



**Zoom Meeting:** <https://zoom.us/j/94246141807?pwd=bzZWRXhpUk0yYzhvYWxhb3d5blpUZz09>

*For more information about the MRC, please contact Cathy Lear at (360) 417-2361*

**5:30 Call To Order / Introductions / Changes to Agenda**

**5:35 Public Comment / Approval of Minutes**

**5:40 Project Updates**

Pigeon Guillemot: Alisa Taylor will give a brief update about the PIGU monitoring project.

Crabber Outreach

Cathy Lear will lead discussion about 2021's upcoming crabber education and outreach effort.

Forage Fish

Cathy Lear and Tim Cochnauer will give an update regarding the purchase of a microscope.

**5:50 Clallam MRC Internships**

Tim Cochnauer and Ann Soule will give an update about the Internship program, and hiring decisions for the Smolt Trap and Education & Outreach (Coasters) positions.

**6:00 Elections**

Members will vote on who will serve as the next Chair, Vice Chair, and NWSC Representative.

**6:20 Volunteer Recruitment**

Alan Clark will lead discussion about the recruitment of volunteers to help with Clallam MRC projects.

**6:30 NWSC Update**

Alan Clark will provide an update on current NWSC topics. Alan will also give an update about the presentation to be given to NWSC in June, about current MRC projects. Members will discuss and finalize the presentation.

**6:40 Future MRC Meeting Duration & Speaker Planning**

Members will discuss the preferred length of future MRC meetings: to remain 1.5 hours so as not to exceed participants' available time or focus—or to increase to 2 hours to cover additional discussion of topics and endeavours of importance?

Members will also decide about the speaker for July's meeting (Jackie from COASST), the optimal speaker to meeting ratio for the evening, and which topic is of preferred interest: marine debris, or beached birds.

**6:50 Good of the Order**

**6:55 Public Comments**

**7:00 Adjourn**

**2021 Meetings**

January 11	April 19	July 19	October 18
February 22	May 17	August 16	November 15
March 15	June 21	September 20	December 20



**Zoom Meeting Info:**

**Topic:** Clallam MRC Meeting

**Time:** May 17, 2021 05:30 PM Pacific Time (US and Canada)

Join Zoom Meeting

<https://zoom.us/j/94246141807?pwd=bzZWRXhpUk0yYzhvYWxhb3d5blpUZz09>

**Meeting ID:** 942 4614 1807

**Passcode:** 104450

Dial by your location

+1 253 215 8782 US (Tacoma)

833 548 0282 US Toll-free

877 853 5257 US Toll-free

888 475 4499 US Toll-free

833 548 0276 US Toll-free

**Meeting ID:** 942 4614 1807

**Passcode:** 104450

**2021 Meetings**

January 11

April 19

July 19

October 18

February 22

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November 15

March 15

June 21

September 20

December 20

**CLALLAM COUNTY**  
  
**MARINE RESOURCES COMMITTEE**

**Minutes**

Date: Monday, May 17, 2021  
 Time: 5:30 – 7:00 pm  
 Location: Zoom Meeting  
 Minutes prepared by: Alisa Taylor

**Members present:**

**P = Present E= Excused**

P Bob Vreeland	P Robert Knapp	P Arnold Schouten	P Tim Cochnauer	? Jesse Waknitz
P Ann Soule	E Jeff Ward	P Mike Doherty	P Latrisha Suggs	Makah Open Position
P Lyn Muench	P Alan Clark	E Ed Bowlby	P Ann Stafford	LEKT Open Position

**Alternates present:**

P Chris Burns	P Lance Vail	? Lucas Hart
P Ioana Bociu	? Navarra Carr	E Mary Sue Brancato ? Lisa Law

**Ex-Officio Members / MRC staff/Members of the Public Present**

Cathy Lear, Clallam MRC Coordinator; Alisa Taylor, Clallam MRC Fellow; Rebecca Paradis, Biologist with Lower Elwha; McKenzie Ginther, MRC Education & Outreach Intern; Sasha Horst, NWSC; Jonathan Hallenbeck, NWSC

**Call to Order/Introductions/ Changes to Agenda**

A section was added under project updates, for Chris Burns to give an update about the Olympia oyster surveys.

**Public Comment/Approval of Minutes**

No public comment was made. The minutes were amended to reflect that Arnold Schouten had an excused absence in April. The minutes were then approved.

**Project Updates**

Pigeon Guillemot: Alisa Taylor gave an update for Ed in his absence. The PiGu monitoring team are still recruiting new volunteers, and are hoping some members of Clallam MRC may consider volunteering. There is a need for trained volunteers who can take the place of other volunteers, who may not be able to make it to a survey on occasion. PiGu monitors aren't required to have previous birdwatching experience, so anyone is welcome to contact Ed if they are interested. Ed can be reached at [edbowlby2@gmail.com](mailto:edbowlby2@gmail.com).

The sign to inform the public about pigeon guillemot breeding habitat is still in the works—the first sign was misprinted, so it is delayed as it is being re-printed. It is planned to be finished this month, or at the latest by June 7<sup>th</sup>.

Crabber Education & Outreach: Cathy Lear shared about this outreach effort, and having had good success with it in previous years. Lance Vail has offered to help by leading the materials distribution effort. Jeff Ward is a point of contact for Lance regarding how this outreach effort has worked in the past, and approximately how much material will be needed— Jeff is not present at today's meeting, but will be in contact soon; update pending. Alan Clark pointed out that materials could be ordered and then, if in excess, stored to be used for future years' outreach efforts.

Forage Fish: Tim Cochnauer and Cathy Lear briefly discussed the previously mentioned goal of purchasing the microscope, and agreed that as it is ready to be purchased, further facilitation of the relevant information and purchasing of the scope will be done via email.

Olympia Oyster: Chris Burns shared that the recent oyster survey went very well, and quickly. Although there are no results as of yet, the data is being processed and will be available sometime soon. Further oyster surveys will occur early next week, and Chris will send out an email detailing the exact dates and times of these, as well as the incoming results from the recent survey. Sequim Bay is doing quite well—surveyors were seeing about 1-2 oysters per shell, per stack!

### **MRC Internship Program**

Tim Cochnauer informed the committee that all three internships have selected an intern for this season. The interns are as follows:

Tumwater smolt trap: Vita Olson. Vita is from Sequim, and is studying at University of San Diego. She is pursuing a double major in the fields of business and environmental conservation. She has been helping the MRC out already for about a week, and will start picking up more time after finals conclude at the end of this week.

Education and outreach (coasters project): McKenzie Ginther. McKenzie is an environmental science student of both Peninsula College, and National University of Ireland. She has relevant previous experience in the field of kelp forest studies, and has previous experience with data acquisition for marine food web studies, as well as marine seed bank mesocosm experiments.

Green crab removal project: Laila Greene. Laila is working with Adrienne Akmajian in Neah Bay, and will be trapping green crab, as well as catching and marking green and Dungeness crabs, and recording some video footage to document the process. Laila will begin working on the project on Friday, June 25<sup>th</sup>.

### **Leadership Elections**

Bob Vreeland, the current MRC Chair, expressed that he feels someone younger and more technology-familiar, may be a better fit for this role and could likely bring some fresh enthusiasm to the Committee and its various endeavours. Robert Knapp, current MRC Vice Chair, said that as he has other necessities to focus on presently, he would prefer not to run for leadership again at this moment. Alan Clark, who has served as the MRC's NWSC representative for the past 4-5 years, volunteered to continue in the representative role, as nobody present seemed interested to take on the position, and he has completed his term as Chair of the NWSC, leaving him with some more available time. The MRC members all thanked Bob, Robert, and Alan for their support and help to the MRC!

After some discussion and consideration, positions were volunteered for and voted upon. Tim Cochnauer was elected as the new Chair of Clallam MRC. Alan Clark accepted dual roles: Vice Chair, as well as maintaining his previous role of NWSC Representative. Everyone thanked and congratulated Tim and Alan!

### **Volunteer Recruitment**

As Mary Sue is taking an excused absence today, Alan Clark led the discussion of volunteer recruitment. One way Mary Sue has been brainstorming about recruiting more volunteers, is considering how to put together a program via which volunteers could receive some basic training, similarly to the one developed by Salish Sea Stewards. Alan expressed that there is a need for someone to be the leading coordinator for such a program, as well as funding. Ann Soule stated the importance of being able to specify exactly what projects and efforts the MRC would like volunteer help for, and to develop trainings for. Alan shared about Skagit MRC's programs, Salish Sea Stewards, and Kids on the Beach. Mike Doherty reminded us about Clallam's Beachwatchers program also, organized by Jeff Ward. These

programs recruit and organize people from the local community, to get them involved in marine and nearshore education and restoration. Alan said that Pete Hasse, who organizes Stream Stewards, may be willing to come to the MRC to give a presentation about these types of programs—Alan said he will inquire about this. Alan pointed out as well that, if the MRC doesn't have the leadership capacity or the funding for such a volunteer program, we could potentially seek partnership with other organizations, such as Feiro Marine Life Center. Alan asked anyone with ideas, experience, questions, and so on, is welcome to email him at [alankayaks@g.com](mailto:alankayaks@g.com).

### **NWSC Update**

Alan shared that the commission has selected a new chair, Elsa Schwartz. She had been vice chair for 2 years, and the new vice chair is Tim Cowan. He was formerly a commissioner in San Juan County. The Science Advisory Committee has taken an interest in the idea: “failure” is just finding out something that doesn't work, so you don't have to repeat what doesn't work. To that end, each MRC is being asked to give a presentation to the NWSC, to facilitate information sharing and collaboration among each Committee. Welcomed topics include past, present, or anticipated future projects, and could cover a project that we feel is doing well, isn't doing well, or which more help or insight would be welcomed for. Some previously discussed topics which Clallam MRC might consider presenting about, include the Climate Change Subcommittee, and the Tumwater Creek smolt trap project. However, last June the MRCs held a symposium, and the Climate Subcommittee was already covered in a presentation during this event. Thus, after some brief brainstorming, it was decided that the presentation topic will be about the smolt trap. Tim Cochnauer shared that the project is exciting and interesting, and there will be a lot of visuals and photos, ties in well to education about the marine environment. The stream is highly impacted, so it is a good conversational candidate to consider—how can the impacts to the stream be corrected, and how interrelated are the nearshore and riparian environments? Alan approved of these ideas as well, and shared about last year's motorized kelp surveys, when kelp beds at mouths of rivers were observed, except for those which suffered environmental impacts (such as the Elwha). Alan asked Ann Soule about giving a basic informational overview about hydrology concepts. Rebecca Paradis pointed out that the estuary at Tumwater creek, would also be an important place to look at, and others agreed. It was agreed that the further planning of this presentation will occur via email throughout the coming month. The presentation date will be June 25<sup>th</sup>.

### **Future Meeting Duration**

Tim Cochnauer acknowledged that a 2 hour meeting is quite long. A good portion of each agenda is devoted to catching people up about what was done the prior month. He brought up the idea of compiling such updates into a monthly summary or newsletter, for which each project lead responsible could write a paragraph update, and send it in to the coordinator to be compiled and distributed. Others liked this idea, and discussed how it would be nice to post the newsletter to the MRC website and facebook. Cathy Lear suggested that the agenda item to cover the updates could be, “comments on the project summary,” instead of thoroughly discussing every topic during the meeting.

Ann Soule shared that, in the past, a 2 hour meeting in person didn't seem quite as long; however, now that our meetings are being held digitally, 2 hours does feel very lengthy since we are staring at screens, instead of with people. She also pointed out that it might be wise to be not so absolute, and allow for some meetings to be shorter or longer in order to accommodate speakers, increased material necessary to be discussed, etc. Ann also said that the idea of the newsletter feels more bureaucratic and like extra work, and she isn't sure that making the meeting shorter by increasing workload elsewhere is a compromise that sounds appealing.

Ioana Bociu suggested the idea of doing a longer 2 hour meeting with a speaker/presenter, on a quarterly basis. She said it could be nice when newcomers are present, not to have the meeting drag on

longer, but this arrangement could create a balance between longer meetings with more info, and more concise meetings.

Bob pointed out that we can always try a longer meeting, see how it feels, and then adjust the timing accordingly.

Lyn Meunch said that she supports the idea of remaining flexible, and expressed that it would be very nice to resume having in-person meetings. At such meetings, people can choose to stay longer at the end of the meeting if they so choose.

Alan spoke about the success of online NWSC meetings which have an ending time followed by an optional discussion period. He summarized the consensus of the members: strictly business meetings will be 1.5 hours, and if there's a presentation with a business meeting after, each portion will go for 1 hour, for a total 2 hour meeting.

### **Speaker Planning**

Members discussed the upcoming presentation to be given by Jackie Lindsey from COASST, at the July 19<sup>th</sup> meeting. Cathy noted that COASST has a vibrant volunteer program, so it may be interesting to ask about how they developed it. Members generally agreed that the topic about seabird mortality is more interesting, but that it would be nice to hear a bit about both topics (to include the topic of marine debris). Tim asked Alisa to inquire with Jackie: can the presentation include a bit about both topics, and do they interrelate with each other? Other questions from members included: what does COASST do with the data that is gathered, and what does it tell them? Who are their partners? How does COASST fit into the world of marine science, and citizen science? Members agreed they would like to plan for a 45 minute presentation, with a 15 minute question/answer period following, and then a 1 hour business meeting either before or after Jackie's hour.

### **Good of the Order**

Mike Doherty asked Cathy to find information about the project on Valley Creek, an idea sparked subsequent to the MRC's Tumwater creek project and the discussion about urban streams/estuaries. In the past there had been an effort to daylight Valley Creek, and to create a trail from the city along the creek into the park. The effort may have been lost by taking a backseat to salmon recovery and other restoration projects. Information about the Valley Creek project could be useful with some of the efforts on Tumwater.

Mike Doherty also moved that the committee respectfully note the passing of Kurt Grinnell and Bob Campbell. Both were champions for water quality, sustainable fisheries, restoring habitat, and their lives and positive contributions are worth honoring!

Mike lastly shared that, this Friday, the Sanctuary Advisory Committee is going to have a discussion with folks from the Biden administration, about the goal to conserve 30% of all public and private lands, and all natural resources. If anyone would like to participate, you can have the opportunity to interject some ideas. Mike left the committee with the idea to consider, what ideas and priorities should be communicated from our region, up the chain to the Biden administration?

LaTrisha Suggs shared that the Shoreline Master Plan was sent to the state, and they have made some recommendations for changes to the updated proposal. She listened to the discussion by FEMA about having established new maps over a period of several years, which are now available online. LaTrisha has downloaded the section about the Shoreline Master Plan, and will send it along to Cathy.

**Public Comment**

No public comment was made.

**Adjourn**

The meeting adjourned at 7:20 pm.

**MEETING AGENDA**  
June 21, 2021  
5:30 p.m. – 7:00 p.m.



**Zoom Meeting:** <https://zoom.us/j/96116604147?pwd=cFF3Zld6K2FjdFN0d3lIMjYzQXdxZz09>

*For more information about the MRC, please contact Cathy Lear at (360) 417-2361*

**5:30 Call To Order / Introductions / Changes to Agenda**

**5:35 Public Comment / Approval of Minutes**

**5:40 Clallam MRC Intern Introductions**

Tim Cochnauer, Ann Soule, and Adrienne Akmajian will give a brief update about the progresses of the three internship programs, and the interns, Vita, McKenzie, and Laila will each introduce themselves.

**6:00 Project Updates**

Pigeon Guillemot: Ed Bowlby will give a brief update about the survey effort.

Olympia Oyster: Chris Burns will share about the recent and upcoming survey efforts.

Forage Fish: Tim Cochnauer will update the committee about the surveys, and new microscope.

Any additional project updates will be discussed as needed.

**6:10 WA SMP**

Ioana Bociu will share an overview from recent meetings with other counties and MRC's, and how they have engaged in the SMP update process.

**6:20 North Pacific Coast MRC: Oly Oyster Presentation Planning**

Cathy Lear will share about the history of Olympia oysters at Willapa Bay. NPC MRC is interested in learning about Clallam MRC's oyster restoration project at Sequim Bay with Jamestown S'Klallam Tribe. Members will discuss what to include in the creation of such a presentation.

**6:30 Volunteer Recruitment**

Alan Clark and Mary Sue Brancato will lead discussion about the ongoing effort toward recruitment of volunteers to help with Clallam MRC projects.

**6:40 NWSC Update**

Alan Clark will provide an update on current NWSC topics. Alan will also give an update about the presentation to be given to NWSC in June, about the Tumwater smolt trap project. Members will discuss and finalize the presentation.

**6:50 Good of the Order**

**6:55 Public Comments**

**7:00 Adjourn**

**2021 Meetings**

January 11	April 19	July 19	October 18
February 22	May 17	August 16	November 15
March 15	June 21	September 20	December 20

**Zoom Meeting Info:**

**Topic:** Clallam MRC Zoom Meeting

**Time:** Jun 21, 2021 05:30 PM Pacific Time (US and Canada)

**Join Zoom Meeting**

<https://zoom.us/j/96116604147?pwd=cFF3Zld6K2FjdFN0d3lIMjYzQXdxZz09>

**Meeting ID:** 961 1660 4147

**Passcode:** 710035

One tap mobile

+12532158782,,96116604147#,,,,\*710035# US (Tacoma)

**2021 Meetings**

January 11  
February 22  
March 15

April 19  
May 17  
June 21

July 19  
August 16  
September 20

October 18  
November 15  
December 20





**Draft Minutes**

Date: Monday, June 21, 2021  
Time: 5:30 – 7:00 pm  
Location: Zoom meeting.  
Minutes prepared by Rebecca Paradis

**Members present:**

**P = Present E= Excused**

? Bob Vreeland	P Robert Knapp	P Arnold Schouten	P Tim Cochnauer	? Jesse Waknitz
P Ann Soule	P Jeff Ward	P Mike Doherty	P Latrisha Suggs	Makah Open Position
P Lyn Muench	P Alan Clark	P Ed Bowlby	P Ann Stafford	LEKT Open Position

**Alternates present:**

P Mary Sue Brancato	? Chris Burns	P Lance Vail
? Ioana Bociu	Navarra Carr	

**Ex-Officio Members / MRC staff/Members of the Public Present**

Alisa Taylor, Clallam MRC Fellow; Cathy Lear, Clallam MRC Coordinator; Rebecca Paradis, Clallam MRC Project Coordinator, Adrienne Akamajian, Laila Greene, McKenzie Ginther.

**Call to Order/Introductions/ Changes to Agenda**

Two topics were added under Good of the Order – Lance Vail updated on crabber outreach material. Tim added a discussion for using expiring State funds. Rebecca Paradis, new MRC Coordinator introduced herself, Adrienne Akamajian, Makah Tribe Marine Biologist introduced herself and Green crab intern project.

**Public Comment/Approval of Minutes**

The May minutes were approved. No public comments.

**Intern Introductions**

Laila Greene MRC Green crab intern is scheduled to start Friday June 25<sup>th</sup> and her internship will last through mid-August. Adrienne stated that Laila will be helping her do some video monitoring of Green and Dungeness crab as well as capturing and marking crabs.

McKenzie Ginther is the outreach/education intern for the MRC. She will be designing Education Cards of the MRC projects to be distributed to local businesses. The education cards will have be catchy photos of MRC projects with fun facts about various marine creatures. Ann Soule (mentor) asked for a small sub-committee to help with species and design. Rebecca volunteered to take names. Ed, Arnold and Tim volunteered to be part of the sub-committee. New CMRC logo? Ann Soule asked if there was going to be a new CMRC logo. Cathy Lear pointed out with the time it would take to line out a new logo it wouldn't be feasible.

Vita Olson is not here with us tonight. Tim updated us on her involvement with the Tumwater Creek fence weir project. The Tumwater Fence Weir is in collaboration with the Lower Elwha Klallam Tribe (LEKT). Vita has also been helping to check LEKT's screw traps and seining in the Elwha estuary. She is also assisting Jamestown S'Klallam Tribe with Olympia Oyster surveys, and fence weir trap checks on Mariotti and Seibert Creeks. She is also hoping to be part of the snorkel surveys of the Dungeness.

## **Project Updates**

Pigeon Guillemot: Ed Bowlby said that they are in week 2 of a 10 week program with 30 volunteers monitoring the Pigeon Guillemot breeding/nesting sites. He still could use additional volunteers, if interested please contact Ed at edbowlby1@gmail.com. A joint project with Audubon Society and Clallam County Parks is ending the 1<sup>st</sup> week in September.

Olympia oyster restoration effort: Ed stated that we are seeing very successful results, good work endeavor with Jamestown S'Kallam Tribe and CMRC.

Forage Fish: Surveys were finished this month and sent to WDFW. Thought we would be seeing eggs by now at our 3 sites but none yet. Saw a dead Sand lance in April.

Crabber outreach: Lance stated that crab trap educational brochures, posters and polyester bags are in and he will put them out. He will target places where crabbing equipment is sold. Crabbing season starts July 1<sup>st</sup>. Ed will work with County park Supervisor at Cline Spit to put up posters. LaTrisha suggested putting info up on CMRC's website and Facebook page. It was also suggested to make sure some get to Seiku, Freshwater Bay and Pillar Point.

## **Shore Management Plan (SMP)**

LaTrisha gave an update on what is referred to as periodic update. Port Angeles City Council has a presentation last meeting in regards to it. There is minimal state funding there needs to be a more comprehensive update but due to the minimal funding received by the state, they only funded a periodic update. How do we approve an update but then plan doesn't address current situation, not ideal. Hoping climate change, greenhouse gasses and development of today would be addressed. We need strong language to protect our shorelines. We need to continue to educate on what's going on around us. We need data for the future. Tim- was MRC involved in the plan? Contractor reviewed existing public comments were made available. Ed- Bob Vreeland sat in for Olympic Climate Action and CMRC but doesn't have his comments in front of him. Arnold-was on the committee with SMP for the County, all comments we recorded and made publically available for review. There is no pattern written in that we can review them all. There are no guidelines. Each unique city has their own format; it would be nice to have a more consistent format so we could have a consistent way to review it, not reinventing the wheel every time the plan is updated. Would be nice if there was more of a template, could be reviewed more easily.

LaTrisha update in chat: Summary: In April 2020 the City of Port Angeles began the periodic review of its Shoreline Master

Program (SMP), as required by the Washington State Shoreline Management Act. Through the end of 2020 and into spring 2021, the City conducted a public participation program. The City responded to public comment. The Planning Commission considered the draft SMP project record and directed staff to submit the proposed draft update to Ecology and thereafter to Council for adoption if Department of Ecology (DOE) issued a statement of concurrence. The City received DOE's Initial Determination of Consistency (with RCW 90.58) with 15 recommendations for edits. The grant funding deadline for Council adoption of the proposed amendments is June 30, 2021.

Funding: The professional services fee is \$24,340. The grant agreement executed with Department of Ecology reimburses the City up to \$22,800.

Recommendation: Conduct the first reading of the attached ordinance, which updates the City's Shoreline Master Program to be con

The City adopted its current SMP through a comprehensive update in 2014. In early 2020, the City of Port Angeles began the periodic review of its Shoreline Master Program (SMP), as required by the

Washington State Shoreline Management Act (RCW 90.58) and SMP Guidelines (WAC 173-26). The focus of the periodic review is on consistency with changes to state law made since its adoption. The review also addresses consistency with the City's comprehensive plan and development regulations, and overall usability of the SMP. The City received a grant from the Department of Ecology to conduct the periodic review and hired The Watershed Company to help staff prepare the update.

From LaTrisha Suggs-City of Port Angeles to Everyone: 06:54 PM

DOE completed its review of the final draft of the SMP and issued concurrence with an "Initial Determination of Consistency." DOE also submitted 15 recommendations for consideration by the City that, if implemented, would be consistent with the policy and standards of RCW 90.58. Staff implemented most of the recommendations and prepared a response rubric. The recommendations are not substantive nor required. The accepted updates are to add clarity, fix flawed formatting, and resolve Scrivener's errors relating to reach vs. segment and accessory vs. appurtenance terminology. Staff recommends deferring the recommendation to add additional "floating on-water residence" definitions until a later limited SMP amendment, already scheduled within the next few years as a companion to the Critical Areas Ordinance update, to engage stakeholders on the issue as early as possible.

### **NWSC Update**

Alan: focused on reauthorization of NWS initiate- conversation with Kilmer, Cantwell and Murray's offices needs to be reauthorized. Could clear up some funding. Funding comes from EPA. Several MRC's provided letters of support. NWIFC is in the middle of support of reauthorization. Will keep meeting and talk to staffers. Speaking with them about strategies for working inside the house of reps. But in 2012, it just. I wasn't here then, idk what happened, we thought we got it and dotted all the I's, but I think we're finding out, it's really important to get sponsors that are connected and also v important to make good relationships w the staffers

MRC power point presentations to NWSC

Clallam is focusing on smolt traps. Given a month's reprieve, Rebecca and Alisa going to help with presentation. Latrisha- is there a draft letter of support for other entities. Alan is going to get back to LaTrisha with letter template. 2021 reauthorization thought it was done but finding out that all wasn't done.

### **North Pacific Coast MRC meeting update**

Cathy- NPCMRC meeting last week, discussion about Willipa Bay request from shellfish growers to use an insecticide to continue oyster production to control ghost shrimp, it went into Olympic oyster history- I think this is a good opportunity to share our restoration efforts here at JST. History they were shipped to San Francisco. We have folks in our group with info. Ed thinks it's a good project for CMRC to coordinate that with coastal MRC. Their meetings are still virtual. We could talk about our experience; have a guest speaker or panel to present information. Cathy will pass along info to see where it goes. Lyn munch and Chris burns have been leads for CMRC. Tim will send out message to see if they are interested.

### **Volunteer Recruitment**

Alan- Some information that Mary Sue brought to our conversation was pivotal in making a decision, or at least recommendation, about how we approach volunteer recruitment. I started looking around because I was at northwest straits meeting and could talk to people directly, in Whatcom County they have a Salish Sea Stewards and Northern Stream Stewards as monitors and what they do is they offer a series of

classes on the natural history of the area, what MRC does, and also deals with field work skills, the idea behind it is, as a volunteer you'll come away with a good general knowledge of what's going on in your local marine environment. In exchange, you work about 40 hours a year on various MRC projects. Some downsides: it's pretty labor intensive to put one of these efforts together. This is when Mary Sue can continue the update. They offer classes of natural history and what the MRC does. As a volunteer you will come away with a good idea of what is going around your area. Mary Sue- beachwatchers leading training efforts managing volunteers, effort is significant, doesn't want to make more work. Need 5-10 volunteers it wouldn't necessitate spending time and money. More time and projects that volunteers could be involved in. Could tie into ONP and Fiero. April have volunteer outreach and how to involve volunteers, need to see County's liability. Line up 5-10 volunteers on projects. Partnerships- Latisha, WCC they have to do volunteer hours also. Rebecca will get WCC crew lead Owen French's contact info. Get Streamkeepers volunteer list. Have line item subject that we need volunteers. The County Laurel Moulton has volunteers WSU-County volunteers. Tim- Seattle volunteers had volunteers out talking to people about what they could see in the nearshore and beaches. Would we be interested in having people on the beaches advertising MRC. Fiero has them at Salt Creek doing that—great way to reach out to the public.

### **Good of the Order**

New Equipment-Rebecca- there are some State funds that are going away on June 30<sup>th</sup>. If we can think of equipment we would like to buy let me know. The caveat is that the money has to be spent by June 30<sup>th</sup> and we need to have equipment in hand. We need to submit a list of exactly what we want with price list to Sasha for approval before expenditure. Once approved we let Lori know and she can make purchase. We have a tentative list right now so please let me know via email if you have an addition.

Arnold- Are we going to meet in person any time this year? Cathy- maybe? Need to look into County regulations and what are member's sentiments? LaTrisha- The City is looking at hybrid meetings but we have to wait on the Governor to lift public meeting regulations. Tim- face to face would be easier and better. We will wait for County approval.

### **Public Comment**

None

### **Adjourn**

The meeting ended at 7:06 pm.

**MEETING AGENDA**  
July 19, 2021  
5:30 p.m. – 7:30 p.m.



**Zoom Meeting:** <https://zoom.us/j/93314337600?pwd=d3l2QVdvQy9taDFEbXFoOGI5dWZCZz09>

For more information about the MRC, please contact Cathy Lear at (360) 417-2361

**5:30 Call To Order / Introductions / Changes to Agenda**

**5:35 Public Comment / Approval of Minutes**

**5:40 COASST Presentation with Jackie Lindsey**

Jackie will share with the members an overview of the workings of COASST, and about the results of their research into beach debris and beached birds. In addition, Jackie will share a bit about the structure and function of COASST's volunteer program.

**6:25** A question & answer session will be had between Jackie and the audience.

**6:40 Project Updates**

Olympia Oyster: Chris Burns will share about the impacts of the recent Pacific Northwest heatwave, and its impact on marine organisms, in particular shellfish and the Olympia oysters.

Forage Fish: Tim Cochnauer will update the committee about the surveys, WDFW funding and ability to process future samples, and the new microscope.

Kelp: Jeff Ward and Alan Clark will give an update about the kelp survey season so far, and the outcome of the kelp highway event.

Any additional project updates will be discussed as needed.

**6:50 Education/Outreach**

Ann Soule and McKenzie Ginther will give an update about the coasters project. A brainstorming session will be held with the members, regarding the image and design of the coasters.

**7:00 Equipment Purchase**

Rebecca, Tim and Alan will share about the goals and plans regarding purchasing of new gear for the MRC's various projects.

**7:10 NWSC Update**

Alan Clark will provide an update on current NWSC topics. Alan will also give an update about the presentation to be given to NWSC in July, about the Tumwater smolt trap project. Members will discuss and finalize the presentation.

**7:20 Good of the Order**

**7:25 Public Comments**

**7:30 Adjourn**

**2021 Meetings**

January 11	April 19	July 19	October 18
February 22	May 17	August 16	November 15
March 15	June 21	September 20	December 20

**Zoom Meeting Info:**

**Topic:** Clallam MRC Zoom Meeting

**Time:** Jul 19, 2021 05:30 PM Pacific Time (US and Canada)

**Join Zoom Meeting:**

<https://zoom.us/j/93314337600?pwd=d3l2QVdvQy9taDFEbXFoOGI5dWZCZz09>

**Meeting ID:** 933 1433 7600

**Passcode:** 062386

One tap mobile

+12532158782,,93314337600#,,,,\*062386# US (Tacoma)

Find your local number: <https://zoom.us/u/adWr37ulA>

**2021 Meetings**

January 11  
February 22  
March 15

April 19  
May 17  
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August 16  
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**CLALLAM  COUNTY**  
**MARINE RESOURCES COMMITTEE**

**Minutes**

Date: Monday, July 19, 2021  
 Time: 5:30 – 7:30 pm  
 Location: Zoom meeting  
 Minutes prepared by Alisa Taylor

**Members present:**

**P = Present E= Excused**

- |                |                |                   |                  |                            |
|----------------|----------------|-------------------|------------------|----------------------------|
| P Bob Vreeland | E Robert Knapp | P Arnold Schouten | P Tim Cochnauer  | ? Jesse Waknitz            |
| P Ann Soule    | P Jeff Ward    | P Mike Doherty    | ? Latrisha Suggs | Makah Open Position        |
| E Lyn Muench   | P Alan Clark   | P Ed Bowlby       | E Ann Stafford   | P Vanessa Castle<br>(LEKT) |

**Alternates present:**

- |                     |               |              |
|---------------------|---------------|--------------|
| P Mary Sue Brancato | P Chris Burns | ? Lance Vail |
| P Ioana Bociu       | Navarra Carr  |              |

**Ex-Officio Members / MRC staff/Members of the Public Present**

Rebecca Paradis, Clallam MRC Project Coordinator; Alisa Taylor, Clallam MRC Fellow; McKenzie Ginther, MRC Intern; Jonathan Hallenbeck, NWSC; Jackie Lindsey, COASST Science Coordinator.

**Call to Order/Introductions/ Changes to Agenda**

A section was added under project updates for Ed Bowlby to give an update about the Pigeon Guillemot project.

**Public Comment/Approval of Minutes**

Ed Bowlby pointed out that the MRC monthly meeting are not currently being advertised in the Peninsula Daily News. Tim Cochnauer said he made note of this, and will follow up.

Mary Sue Brancato said that she would like to edit the volunteer recruitment section of the minutes for clarity. Tim said to send the edits along to Alisa to be added to the June Minutes final draft.

**COASST Presentation**

Jackie Lindsey gave an engaging and informative presentation to the audience, about the purpose and workings of the Coastal Observation and Seabird Survey Team. She has worked with COASST since 2017, and now works as their Science Coordinator, she endeavours to reach out to folks like the MRC’s to set up new partnerships in new communities. COASST is a citizen science program out of University of Washington, and utilizes the participation of community members to conduct surveys, participating in data collection such as water sampling, species identification, measuring and recording environmental conditions, as well as some data analysis, deduction, and digitally reporting findings. COASST gives public and academic talks about topics ranging from avian influenza warnings, oil spill baseline, harmful algal blooms, entanglement rates, fishery bycatch, avian influenza warnings. A few staff on the management team coordinate approximately 1000 volunteers, including in Clallam county all the way out to Ozette and Neah Bay, as well as the coastlines from California to Alaska. They have been surveying for 21 years, and over time have had 4400 participants. Volunteers do not have to have previous birdwatching experience. The beached bird guide which was designed for their program, is a key factor in helping people return to participate in this program. Surveys range from 2-8 hours in the field. The data from the various regions shows a heartbeat-like pattern of yearly population fluctuations, and in doing so reveals occasional high mortality events. While some indicated causes for these events include migrating or struggling populations, oil spills are a major culprit of marine bird deaths. The findings from the

collected data included 7500 + deaths of Cassin's Auklets in 2014-15, likely related to "the blob" of warm air/water traversing the Pacific Ocean at that time. The data collected regarding marine debris reveals interesting trends: in sheltered Puget Sound, they tend to see medium and large debris, and more often of terrestrial origin. On the Pacific coast are found more tiny debris, plastics of less than 2.5 cm, and more frequently of marine origin. Some beaches, like those with lots of vegetation, trap more debris. Jackie encouraged people to talk to others around them about COASST: beachwalkers, environmental groups, family, neighbors, coworkers, communicators and decision makers like reporters, politicians, and resource managers.

Jackie responded to questions from the audience, sharing that yes, there are currently areas in Clallam County which had been surveyed in the past, but currently are not, and they would very much like to have people survey those places again. COASST is also interested to set up surveys of new beaches in Clallam County which haven't ever been surveyed before. Their interactive map online shows which areas have survey data, and which are open to begin being surveyed.

Data is presented to the public through this interactive map by COASST:  
<http://3.223.50.225:3838/Explore-data/>

SoundIQ was mentioned as a valuable database for marine species population data in general:  
<https://maps.cob.org/geviewer/Html5Viewer/Index.html?viewer=SoundIQ>

Jackie shared a link to a presentation by Win Cowger of the PNW association for plastics:  
<https://docs.google.com/presentation/d/18bdyd21L9PKquG0TxEO3kaaDI1v9ryzRYEI7gUK1uRw/edit?usp=sharing>

Jackie responded about the COASST data being used for research papers, in some instances. Some state and federal agencies use their data, as well as researchers of all backgrounds, interested in bird or debris data. Sometimes, these people are some of the same who help with data analysis. All the science updates, including examples of publications, can be found at: <https://coasst.org/cool-coastal-stories/>

It was discussed among the members that a COASST training to be hosted in Clallam County may be a good idea. It is a single day, 5 hour + training.

Ed Bowlby and Mary Sue Brancato are MRC members who are also active COASST volunteers currently, for two beaches: Dungeness Spit and the outer coast of Norwegian Memorial. Arnold Schouten, another member, helped beta test the COASST beached bird field guide, and Mary Sue has been involved since the beginning of COASST, commenting on the beached bird guide, training volunteers, and helping in other ways.

If anyone has additional questions, email Jackie at [jackiekclindsey@gmail.com](mailto:jackiekclindsey@gmail.com).

## **Project Updates**

Olympia oyster restoration effort: Chris shared that some oyster surveys were recently done, including a heatmap survey and a regular population survey at the Jamestown restoration site. The recent heat wave took a massive toll on the oyster population, as well as that of other nearshore marine species. The full extent of the damage is, as of yet, unknown; Chris estimates that at least half of the original



population has perished. In addition to the mortality of Olympia oysters, mussels, sand dollars, chitons, sea stars, gooseneck barnacles, razor clams, and other creatures were found on the beaches in significant numbers. Fortunately, as surveys were done right before this heatwave, and as more can be conducted in the coming weeks, the team will be able to piece together a good idea of what happened. Chris will share the population survey numbers and results with the MRC sometime soon.

**Forage Fish:** Tim Cochnauer commented that the smolt trap saw some additional mortality, coinciding with the heat wave—the creek was perceptibly warmer than usual. Department of Fish and Wildlife had said that they didn't have the funding to continue processing the forage fish egg samples, but fortunately they were able to acquire the necessary money after all, and will continue therefore to process and analyze the eggs. Tim plans to continue to collect companion samples regularly, to keep and analyze using the MRC's newly purchased microscope. July was the first month with any discernable eggs found in a sample—from Cline spit. Over 100 surf smelt eggs were found, ranging from life stages of 1-2 days, up to 10 days old. This is interesting because historical data shows that May had been a prosperous month for surf smelt eggs at Cline spit. The sample sites at Ediz Hook will be combined into a single site, due to changes over time in the coastline, resulting in the two locations now being much closer together. A new site has been added to the survey schedule, the East side of the beach at the mouth of the Elwha river. Tim said that Rebecca Paradis has contacted WDFW to inquire as to if they could come out and give a training for the identification and data recording/reporting process for egg samples. An update will be provided once a response has been received.

**Kelp Survey:** Alan Clark and Jeff Ward shared about a recent attempted survey at the large bed in Freshwater Bay on the 14<sup>th</sup>, but which was unable to be completed due to increasing wind speeds and challenging waves. The survey was postponed to be conducted again on another day soon. On the 15<sup>th</sup> an event, the Kelp Highway Expedition, was held at Freshwater Bay and included many public participants, as well as Dana Oster, the Marine Program Manager of the NWSC. The surveyors and kelp expeditioners were joined by a CMRC volunteer who travelled to the area from Seattle, Hogan. There was a videographer doing a multidisciplinary study about the Salish Sea and Puget Sound, and they and others including divers looked at the kelp beds, forage fish abundances, use of nursery areas, samples of microplastics, measuring co2 uptake of kelp, and a variety of other things.

**Pigeon Guillemot:** Ed shared that the survey efforts are going along well, but the new signage which was posted at Port Williams was unfortunately vandalized. It was removed from the site entirely, along with a host of other signs. Since the cost of the sign was a deterring factor as far as making and installing another sign of the exact type as the previous one, Ed said that another sign will be made by printing a large version of the PDF from the original sign, and laminating that to be posted at the beach for the remainder of this season. The team plans to reevaluate whether next year they will create and install another sign, or not.

**Education and Outreach:** Ann Soule and McKenzie Ginther shared about the outreach cards (coasters) project. They are about to order the first set of coasters, and the plan is to produce about 8, 10, or 12 coasters before the project is over, but for now they plan to order just a few (3-4) with the funding that is currently available. McKenzie shared the first design she has come up with for the coasters, which was the Orca. A border was added to help tie the design of all the coasters together, with their various different photos. The MRC logo was added to the template for the front of each coaster, as well. There will be a question or fun fact on the back of each card, as well as a QR code which will link to the MRC website. A few other design templates, and photograph options were examined for the coasters, and the desired depictions and bordered front coaster design, were agreed upon by the members. An idea was

brought up to add a statement, “check out the other outreach cards” on each card, for example featuring relations between species such as the sea otter, urchins, and kelp, to encourage people to collect the whole set. Ann said that the goal is to give some outreach cards of a few different species to each participating venue. Arnold Schouten suggested that the cards/species could be featured all together on the website, so people can see what each of them are, and perhaps be inspired to go on a coaster scavenger hunt. McKenzie answered questions from the members regarding pricing and quantities, and it was decided that a minimum of 500 per species should be printed, at least. Ed Bowlby suggested that different species cards could be given to different venues, to encourage people to visit different places to collect the lot. Ideas were discussed to incentivize people to pick up the cards and turn them over, like a “flip” symbol or text included on the front. Ed suggested “turn over for fun fact!” This is intended to help increase the exposure of the factoids to the public, inform people about the MRC, and generally encourage more exploration of the content on the website.

### **NWSC Update**

Alan Clark shared that the NWSI is working closely with Patty Murray’s staff, and other staff of our State representatives. They are waiting to hear back about whether their proposed language will be included in another bill, in addition to their funding reauthorization bill. Alan said that this bill would not be a standalone one, and historically this has happened before—the first time around, the legislation around the NWSC was attached to a Polish fishing bill. Lucas Hart (Executive Director of the Commission) and Cris Castner (Chair of External Affairs Committee), have been working very hard to establish contact and keep the process going. The NWSC has also been continually working on their tribal acknowledgement statement, to be read at the beginning of each meeting, beginning this month. The presentation to be given to the NWSC by CMRC regarding the Tumwater smolt trap project, will be a 15 minute time slot at the meeting on the 30<sup>th</sup>. Staff will work together with Tim and Alan to create the power point visual aid for this presentation, to be submitted to Sasha Horst at NWSC by the 29<sup>th</sup>.

### **Equipment Purchase**

Alan shared that, at the kelp highway event on Thursday, he observed other people who had some very intriguing and useful technology for water quality measurement. They are waiting to hear back about the specific model of this device and its cost, but it’s easily deployable from a kayak and also measures dissolved oxygen, pH, [others]. It would be useful to have the ability to identify a baseline of the conditions in the kelp beds, in order to be aware of fluctuations and how these may relate to what’s going on with the canopy kelp species.

Bob Vreeland pointed out that a possible reason for kelp disappearing could be algae growth, and lack of available light, measurements of which could be read easily from a kayak with a secchi disc. He said they are inexpensive, but he has one he isn’t using, and he will give it to Alan for the kelp survey efforts.

Alan said there has also been talk of purchasing PFD’s (personal floatation devices) and other equipment this year. They have already purchased a VHF radio for expeditions.

Tim said that, although the budget is running a little low for this year, if anyone needs or wants for certain equipment, keep it in mind and send an email to him, Alan, and Rebecca.

Rebecca shared that the extra available money for this year is \$8000, but from what she knows of water quality equipment, this may not be enough... Ioana Bociu had the idea that the MRC could perhaps purchase one or two of the desired items, and then purchase more in the next cycle as funding becomes available again.

### **Good of the Order**

Mike Doherty shared that the National Marine Sanctuary meeting will be on Friday from 10am-1pm via zoom. Topics covered will include acoustics monitoring out in the sanctuary, a discussion of the advisory board regarding Biden's initiative to save 30% of natural resources, and a discussion of the west coast regional climate profile.

Mike said also that on the 27<sup>th</sup> from 3-6pm there will be a Port Angeles chamber of commerce initiative meeting, where they will discuss plans for downtown Port Angeles now, to 20 years from now. They will talk about strategies to help downtown PA have a more sustainable structure.

Mike said that archaeologists for west end Puget Sound tribe, are going to give a presentation about Ozette to the Jefferson County Historical Society.

**Public Comment**

No public comment was given.

**Adjourn**

The meeting ended at 7:50 pm.

## DRAFT MEETING AGENDA

August 16, 2021

5:30 p.m. – 7:00 p.m.



**Zoom Meeting:** <https://zoom.us/j/92766377510?pwd=eFc5TFUvb0VsZzFwVUVwdEtRVGF2dz09>

*For more information about the MRC, please contact Rebecca Paradis at (360) 417-2322*

**5:30 Welcome by Chair Tim Cochnauer**

**5:35 PowerPoint Introductions to this year's Interns**

**5:40 Green Crab Capture and Removal Project**

Laila Greene will present on her work with the Makah Tribe on the green crab capture and removal project. The presentation will be followed by Q&A.

**5:55 Tumwater Creek Fence Weir Project**

Vita Olson will present on the Tumwater Creek smolt trap project. The presentation will be followed by Q&A.

**6:10 Education/Outreach Project**

McKenzie Ginther will present on the Education and Outreach "Educational cards" she has designed. The presentation will be followed by Q&A.

**6:25 Call To Order / Introductions / Changes to Agenda**

**6:30 Public Comment / Approval of Minutes**

**6:35 NWSC Update**

Alan Clark will provide an update on the current NWSC topics.

**6:45 Project Updates**

Olympia Oyster: Chris Burns will share an update of status of Olympia Oyster after heatwave survey.

Forage Fish: Tim Cochnauer will update the committee about the surveys.

Kelp: Jeff Ward and Alan Clark will give an update about the kelp survey season so far.

Pigeon Guillemot: Ed Bowlby will provide an update of survey efforts.

Any additional project updates will be discussed as needed.

**6:50 Good of the Order**

**6:55 Public Comment**

**7:00 Adjourn**

### 2021 Meetings

January 11

April 19

July 19

October 18

February 22

May 17

August 16

November 15

March 15

June 21

September 20

December 20

**Zoom Meeting Info:**

Topic: Clallam MRC Zoom Meeting

Time: Jul 19, 2021 05:30 PM Pacific Time (US and Canada)

Join Zoom Meeting: <https://zoom.us/j/92766377510?pwd=eFc5TFUvb0VsZzFwVUVwdEtRVGF2dz09>

Meeting ID: 927 6637 7510

Passcode: 236238

One tap mobile

+12532158782,,92766377510#,,,,\*236238# US (Tacoma)

+13462487799,,92766377510#,,,,\*236238# US (Houston)

Dial by your location

+1 253 215 8782 US (Tacoma)

Meeting ID: 927 6637 7510

Passcode: 236238

Find your local number: <https://zoom.us/u/aexvMA0oY3>

Meeting ID: 927 6637 7510

Passcode: 236238

**2021 Meetings**

January 11

April 19

July 19

October 18

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May 17

August 16

November 15

March 15

June 21

September 20

December 20



**Draft Minutes**

Date: Monday, August 16, 2021  
Time: 5:30 – 7:00 pm  
Location: Zoom meeting  
Minutes prepared by Alisa Taylor

**Members present:**

**P = Present E= Excused**

P Bob Vreeland	E Robert Knapp	P Arnold Schouten	P Tim Cochnauer	? Jesse Waknitz
P Ann Soule	P Jeff Ward	P Mike Doherty	P Latrisha Suggs	Makah Open Position
P Lyn Muench	P Alan Clark	E Ed Bowlby	P Ann Stafford	? Vanessa Castle (LEKT)

**Alternates present:**

E Mary Sue Brancato	P Chris Burns	P Lance Vail
? Ioana Bociu	? Navarra Carr	

**Ex-Officio Members / MRC staff/Members of the Public Present**

Rebecca Paradis, Clallam MRC Project Coordinator; Cathy Lear, Clallam MRC Coordinator; Helle Andersen, retired MRC Coordinator; Alisa Taylor, Clallam MRC Fellow; Adrienne Akmajian, Makah Tribe Marine Biologist; McKenzie Ginther, MRC Intern; Vita Olson, MRC Intern; Laila Greene, MRC Intern; Sasha Horst, NWSC; Jonathan Hallenbeck, NWSC; Leslie Perkins, NWSC; Will Jasper

**2021 Internship Celebration & Presentations**

Rebecca Paradis welcomed everyone, and introduced the 2021 Clallam MRC summer interns. CMRC has offered paid internships funded by NWSC since 2014, and to date 37 students have completed their internships. The duration of each is 80 hours or more, and each intern is paired with a mentor, often who works for one of CMRC’s partners. The projects this year were the Tumwater Creek smolt trap project, the invasive green crab capture and removal project, and the educational/outreach project. CMRC also funds a fellowship for \$60/month helping with various projects, some administrative tasks, and helping with leading the kelp monitoring project.

The first intern, Laila Greene, was introduced by Adrienne Akmajian: Laila took part in this season’s European green crab trapping and monitoring effort. Adrienne said that Laila is always willing to wade into the river, or jump in the kayak. Since the covid outbreak and subsequent closure the tribe has enacted, they have been in phase 1 and working from home, so Laila has finished her independent project and presentation at home, and done a great job. Laila then presented about the project: The European green crab is an invasive species, and their territory now extends to multiple continents including Africa, and both coasts of North America. They are very adaptable, with a high tolerance for extreme salinity and high temperatures. They are omnivorous and eat gastropods, algae, bivalves, fish, and detritus. They can live in many types of habitats: estuaries, intertidal, subtidal, salt marshes, and sometimes a ways into freshwater rivers and streams. They grow to be up to about 4 inches wide (carapace diameter). Green crabs wreak havoc on native ecosystems. They destroy substrates and compete with other species for resources. Laila explained about the mark/recapture project: they trapped green crabs, and recorded their size, sex, marked them, and released them to be caught again. They also studied the interactions between green and Dungeness crabs, around food. They installed underwater cameras with bait attached in a river, and from a kayak. Not all data from this effort has been processed, but it was successful. Laila and the team also discovered upriver distribution of green crab, and conducted a survey to see how far up the river they will live. They placed 4 traps upstream and

checked them daily to document their contents. About 1.5 miles up the river was the boundary of where green crabs were found. Given the opportunity to continue these studies, Laila thought it would be interesting to investigate further about what other effects green crabs are creating in the underwater ecosystem, specifically with smaller creatures.

Tim Cochnauer introduced Vita Olson, the intern for the Tumwater Creek project. The project has been conducted for several years in a row now, and aims to track outmigrants of anadromous fish. In addition to this project, Vita's internship included some experience working with the Elwha tribe and their outmigrant trap, as well as beach seining, and working with the Olympia oyster restoration survey crew at Jamestown. Vita presented about the fence weir and Tumwater project: the team monitored for the quantity and species distribution of fish trapped in the fence weir. Tumwater creek, especially the northern region of it, is severely impacted by residential and industrial runoff. It is a highly channelized outlet among the shipyard, and its mouth feeds into the Port Angeles harbor. The trap was in place from May to June, and the team caught and observed 321 salmonids, 81 sculpin, and 3 lamprey. The 6 main species found were coho, steelhead, cutthroat, two species of sculpin, and pacific lamprey. This year, observers saw a continuation of the trend of population increase among cutthroat salmon, and a decline in coho, who saw the lowest numbers since 2016. Other data collected included water quality testing, sedimentation testing, monitoring of ocean conditions, and riparian habitat conditions. There were areas of increased and shifted sediment, and moving log jams. Since Tumwater creek receives drainage from roads, it is compromised in its lower two miles by erosion, slides, artificial repair and stabilization. The team measured dissolved oxygen levels, and conductivity, and identified areas of major changes among the sediment. While they are unsure if it is because of river conditions, sedimentation, ocean conditions, or other factors, in the past few years only very few coho spawning events have been observed, and it is not clear whether those seen are returning from previous Tumwater native generations, or if they are pioneering fish straying from other nearby streams of origin. Vita said she thought this would be an interesting direction to investigate in future research.

Ann Soule introduced McKenzie Ginther, the intern for the education/outreach project. McKenzie helped CMRC reach our 2021 outreach goals: to develop an educational outreach tool with which to spread awareness about Clallam Marine Resources Committee, and important species and ecosystem dynamics in the Salish Sea. McKenzie said that the project is meant to help increase public awareness about CMRC's projects, and educate the community on marine species, as well as to potentially reach and engage new volunteers. The tool McKenzie created were the outreach cards, which can be used as coasters at local establishments like restaurants, coffee shops, and bars. The cards will be printed by a local company in Sequim, and will be distributed to the companies for free. Each card highlights a key species, including a fun fact about each one, with a qr code on the back which when scanned will lead to an accompanying webpage on the CMRC site. The site will show the answer to each creature's fun fact question, as well as a menu displaying all available creature cards, so viewers can learn about and collect the lot of them. The website will also track traffic arriving to the page, which will help to track the effectiveness of the project and the amount of community engagement generated by it. So far three cards have been finalized, and the creatures featured are the pigeon guillemot, orca, and sea otter. The next creatures which are being considered for future cards, include forage fish, Olympia oyster, bull kelp, and ochre star. The printing of the first three coasters was made possible thanks to a donation from the Larry Barrett Kid's Fishing Fund. The cards were printed for \$0.54 per card including tax, and each of the three designs will be printed on 500 copies. The order will be placed in the near future, but the process of contacting venues to distribute the cards to, will need to be undertaken. If anyone knows of someone who owns a business and may be interested, please contact Ann Soule at [asoule@sequimwa.gov](mailto:asoule@sequimwa.gov). Tim and Ann discussed that a subcommittee for this project may be beneficial to involve, now that McKenzie's internship is finished and she will be returning to University. They also speculated that the budget may be able to be distributed in such a way that CMRC could fund the production of two more species cards, next.

Members and the audience congratulated and thanked Laila, Vita, and McKenzie for all of their hard work and presenting their discoveries and insights gained through their projects this summer!

### **Call to Order/Introductions/ Changes to Agenda**

Rebecca brought up the previously discussed potential meeting with Jefferson County MRC, and will discuss with the members whether this is something they want to organize.

Cathy requested some time to talk about printing a tide pool guide to distribute to local county parks.

### **Public Comment/Approval of Minutes**

No public comment was made. The minutes for July were approved as written.

### **NWSC Update**

Alan explained about the reauthorization process for NWSC's funding. There will be some time scheduled at the next MRC meeting to give a brief presentation about the reauthorization process' entirety. Lucas Hart, Tom Cowan, and Chris Castner and the external relations committee are all strategizing and in communication with Senator Murray's office, and the pertinent people regarding the reauthorization, to create more stability for the initiative and its funding. More will be updated upon regarding the reauthorization in September's MRC meeting. July's NWSC meeting started off in remembrance of Caroline Gibson, and acknowledged the impact she had on people, and the fruitfulness of her work. The NWSF has established a marine conservation scholarship in her name. NWSF are thinking about having a two day retreat, the first part of which would take place by virtual session on Sept 23 from 1-2:30pm, as well as in person at Neah Bay on Sept 24<sup>th</sup> from 10:30am-3:30pm. They are also evaluating whether to return to in person monthly meetings in December or January, though will have to wait and see what will be happening in the coming months. The science advisory committee is working to streamline and clearly link actions to impacts, to make sure that the projects we are doing are actually meeting the impact goals we hope to reach. Alan extended thanks to Latrisha Suggs for reaching out and getting a letter of support to Patty Murray from PA City Council. Don Hunger reported that NWSF have shore friendly videos and a report of the 2020 highlights, on their site and Facebook. Alan also shared about the WWU article written by Caroline, called the State of the Salish Sea Report. It's 153 pages, available for download, and a great summary of what's going on with the Salish Sea. For anyone interested in the report, it can be found here: [https://cedar.wvu.edu/salish\\_pubs/1/](https://cedar.wvu.edu/salish_pubs/1/)

### **Project Updates**

**Olympia Oyster Restoration:** Chris Burns shared that surveys have been being conducted since last month's heat wave, and though they have not been completed, it's estimated that approximately half of the oyster population has perished. Oysters that were older and larger seemed to be more vulnerable, and those higher up the beach had a lower incidence of survival than those closer to the water, submerged, or growing on the underside of shells. While summer mortality has been experienced in the past, this was somewhat worse than previous instances. Reports of up to 100 degrees surface temperature were recorded during the heat wave. The water is estimated to have been over 80 degrees in shallow areas. The full scope of the damage to the oyster population won't be clear until next Spring when surveys are conducted again. Chris won't have conclusive findings from the data until it has been processed, but will send along an update as soon as one is available.

**Forage Fish:** Tim Cochnauer shared that, while this month's survey hasn't been conducted yet (it's scheduled for this upcoming Wednesday), last month's sample of Cline Spit showed the first evidence of eggs being present. This was slightly unusual, as historically eggs could be found throughout the year, starting as early as May. This year, the season seems to have been delayed by a couple of months.

**Kelp Survey:** Jeff Ward and Alan Clark shared that there has been some difficulty in completing all of the kelp surveys within the time frame desired, due to a fair amount of gale warnings, and having had to abandon a kelp survey without finishing it, due to windy weather and "sporty" waves. The large bed at Freshwater Bay has been surveyed, while the smaller one there and the bed at Clallam Bay are



scheduled to be surveyed in the coming weeks. Alan said that plans are in the works to discuss and select new equipment to help with taking additional measurements at the kelp beds, including water quality and dissolved oxygen. Also in the plans to be discussed are the motorized boat surveys, which are being evaluated for the re-designing of a new protocol, and considering actions to impacts goals and outcomes.

Pigeon Guillemot: Tim shared in Ed Bowlby' stead that the 10<sup>th</sup> week of monitoring has passed, but most sites are still active with fish deliveries, so weekly surveys will continue until at least 2 consecutive weeks have passed with no activity observed at the burrows. Presently, some birds are still returning to their burrows with fish. Ed expects to have another update in September. Rebecca shared that she will be going tomorrow to pick up two new laminated signs to place back at Port Williams, to replace the one that got ruined.

Oil Spill Preparedness: Ann Stafford shared that she and Jeff Ward have been in contact with someone at WDFW, and have tentatively identified two dates in November and December to host HAZWOPR training. Various locations between Clallam and Jefferson counties are being considered, including 7 Cedars. It would be preferable to offer the training indoors, but may be facing other solutions considering the covid situation. Rebecca shared that there will be a zoom training regarding marine mammal oil spill response, on Sept 8<sup>th</sup> at 8am-5pm. There is also an oil spill training in Port Angeles on the 23<sup>rd</sup>, which was supposed to be 4 days but has been shortened to 2. The field part of the training will be done virtually. Mike Doherty shared about a webinar available on Dept of Ecology's website, August 18<sup>th</sup> 1:00-3:00pm, giving a summary of what they have been doing over the last year.

Tide Pool Education and Outreach: Cathy shared about the Olympic Coast Marine Sanctuary's recently published flier, which is fun and colorful, with singing creatures, aimed at educating the public and children about tide pool creatures. It is double sided, and Cathy wonders if it may be something that the CMRC would be interested in printing on write in rain paper, or laminating it, and distributing it. The county parks department has offered to stock the flier at county parks, if they can get copies. Mike has already done the research with the sanctuary, and they're alright with the MRC covering the cost of printing, if the members desire to do so. The members discussed that they would like to add a qr code, the CMRC logo, and "distributed by Clallam MRC" to the flier. Cathy estimated that a good influence could likely be made for about \$100, estimated maybe 500 copies to be distributed. More could always be considered to be printed if they prove to be very popular. Tim asked what county parks have significant tide pools, other than Salt Creek? Cathy said, Sequim Bay State Park, Dungeness Rec area, and a park at Clallam Bay which, while not a county park, may be willing to have some there.

### **Upcoming MRC Joing Meeting**

Rebecca shared that Monica Montgomery of Jefferson County MRC reached out to her, wondering if Clallam MRC would be interested in having a joint meeting, possibly outside in person somewhere in between the counties, Jamestown or Sequim area. Given the state of things, it may be best to wait to see what the future holds, or consider meeting virtually. Members agreed that having an in person meeting would be ideal, and a previous one a few years ago was very successful, so perhaps waiting until next year if necessary to allow for in person meeting, may be better. Everyone concluded that CMRC is interested in having a joint meeting with JMRC.

### **Good of the Order**

Mike Doherty shared that the marine lab in Port Townsend is going to move from the state beach at Fort Warden, to a midtown location on Water Street. He suggested that CMRC might enjoy a field trip to go and look at their new marine lab!

Ann Soule shared that, at the next meeting she would like to have a short discussion of what we talked about through the last year, regarding putting together a presentation for the Board of Commissioners.

The most recent thought was that it would be done in the Fall. It will be on the agenda for the next meeting, and will be evaluating when planning for this would fit in best for everyone.

Mike shared that Carol Birdsall is retiring from the Sanctuary. They are getting a new research vessel, and will have an open house on the new vessel after it's delivered.

Mike also shared that the Biden package is being considered, containing civilian conservation corps components, and he wonders if Lucas Hart or someone could brief the MRC on what the potential is for on-the-water job creation, and conservation work.

Latrisha Suggs shared about an article from the New York Times, entitled US Declares Shortage on Colorado River. Some water cuts are being created, for downstream states. Lake Mead is at about 34% capacity. This is more of a water capacity issue and is related to climate change, but Latrisha thinks it is something everyone in our community needs to think about and plan for in the future, planning for water quantity and being able to protect those resources. Tim said this is a great point, and mentioned that he had just visited Sievert creek, and saw that there is not a lot of water for mid-August, and it's two months still before the rains return. Latrisha acknowledged that a lot of snow pack melted during the recent heatwave, and as the Colorado river has been declining over the last 20 years, they're just now finally having to take steps to compensate for it. She shared that it'd be great if our community could make sure that things are protected in advance so that we won't be heading arrive at a similar point.

#### **Public Comment**

Lucas Hart shared that Caroline Gibson's memorial will be held on October 24<sup>th</sup> at 4-7:00pm, at the Northwest maritime Center in Port Townsend. There will be a vaccine mandate at the event. Lucas will send out an email with the details.

#### **Adjourn**

The meeting ended at 7:20 pm.

**MEETING AGENDA**  
**September 20, 2021**  
**5:30 p.m. – 7:00 p.m.**



**Zoom Meeting:** <https://us06web.zoom.us/j/89598571091?pwd=ZEtPV2hUcklUYU1IS2pGczhYeEdJUT09>

*For more information about the MRC, please contact Rebecca Paradis at (360) 417-2322*

**5:30 Welcome by Chair Tim Cochnauer**

**5:35 Call To Order / Introductions / Changes to Agenda**

**5:40 Public Comment / Approval of Minutes**

**5:45 Guest Speaker Elizabeth Stanley**

Clallam County's Chief Deputy Prosecutor Elizabeth Stanley will give overview of Open Public Meetings rules and Public Records requirements.

**6:15 NWSC Update**

Alan Clark will provide an update on the current NWSC topics.

**6:25 WDFW Purple Sea Urchin project:** Rebecca Paradis will discuss a recent inquiry from WDFW dive crew requesting our help with their Purple Sea Urchin surveys.

**6:35 Budget Updates:** Rebecca Paradis will discuss budget for upcoming year and how to dedicate funds.

**6:45 Project Updates**

Olympia oyster: Chris Burns will share an update of status of Olympia oyster after heatwave survey.

Forage Fish: Tim Cochnauer will update the committee about the surveys.

Kelp: Jeff Ward and Alan Clark will give an update about the kelp survey season so far.

Pigeon Guillemot: Ed Bowlby will provide an update of survey efforts.

Education/Outreach: Rebecca Paradis will provide an update on the "Outreach cards".

Any additional project updates will be discussed as needed.

**6:50 Good of the Order**

**6:55 Public Comment**

**7:00 Adjourn**

**2021 Meetings**

January 11  
February 22  
March 15

April 19  
May 17  
June 21

July 19  
August 16  
September 20

October 18  
November 15  
December 20

**Zoom Meeting Info:**

Topic: Clallam MRC Zoom Meeting

Time: Jul 19, 2021 05:30 PM Pacific Time (US and Canada)

Join Zoom Meeting: <https://zoom.us/j/92766377510?pwd=eFc5TFUvb0VsZzFwVUVwdEtRVGF2dz09>

Meeting ID: 927 6637 7510

Passcode: 236238

One tap mobile

+12532158782,,92766377510#,,,,\*236238# US (Tacoma)

+13462487799,,92766377510#,,,,\*236238# US (Houston)

Dial by your location

+1 253 215 8782 US (Tacoma)

Meeting ID: 927 6637 7510

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Find your local number: <https://zoom.us/u/aexvMA0oY3>

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**2021 Meetings**

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**Meeting Minutes**

Date: Monday, September 20, 2021  
Time: 5:30 – 7:00 pm  
Location: Zoom meeting  
Minutes prepared by Rebecca Paradis

**Members present:**

**P = Present E= Excused**

P Bob Vreeland	P Robert Knapp	P Arnold Schouten	P Tim Cochnauer	? Jesse Waknitz
P Ann Soule	P Jeff Ward	P Mike Doherty	P Latrisha Suggs	Makah Open Position
P Lyn Muench	P Alan Clark	P Ed Bowlby	E Ann Stafford	

**Alternates present:**

E Mary Sue Brancato	P Chris Burns	P Lance Vail
E Ioana Bociu	? Navarra Carr	

**Ex-Officio Members / MRC staff/Members of the Public Present**

Rebecca Paradis, Clallam MRC Coordinator; Cathy Lear, Clallam Habitat Biologist Manager; Alisa Taylor, Clallam MRC Fellow; Sasha Horst, NWSC; Jonathan Hallenbeck, NWSC; Elizabeth Stanley Clallam County Chief Civil Deputy Prosecuting Attorney.

**Call to Order/Introductions/ Changes to Agenda**

Rebecca wanted to add discussion of Annual presentation to BOCC for Ann Soule. Rebecca also wanted to add the discussion topic of helping with WDFW's mussel cages project at Port Angeles Yacht club.

**Public Comment/Approval of Minutes**

No public comment was made. The minutes for August were approved as written.

**Guest Speaker Elizabeth Stanley**

Elizabeth gave an overview of the Open Public Meetings rules and Public Records requirements. Some bullet points from her presentation:

- Zoom links must always have the number to call.
- "What constitutes a meeting?" If a quorum is present then it's considered a meeting and needs to be in the public eye. Committees and sub-committees cannot have a quorum.
- No secret ballots. There are penalties if the rules are violated.
- Work at side meeting is null and void.

Clallam County's public records request person is Kelly Gonzales. Tim asked about County liability for volunteers. Cathy mentioned Streamkeepers volunteer form and Rebecca mentioned Clallam Conservation districts online release of liability forms for CMRC to look at.

Attached to these minutes are the resources Elizabeth shared with the CMRC.

**NWSC Update**

Alan gave an update on the 8/27/21 meeting highlights. Barb Bennett asked about Clallam's SMP.

Virtual retreat is scheduled for 9/23 and 9/24. He also mentioned the "State of our Watersheds Report" and that CMRC should get one. Rebecca let everyone know she has a copy in her office.

Caroline Gibson's Memorial is Oct. 24<sup>th</sup> at the Northwest Maritime Center in Port Townsend. Masks and vaccination cards are required.

**WDFW Purple Sea Urchin project:** Taylor Frierson, WDFW reached out to CMRC asking if we would be willing to collaborate with them on the Purple sea urchin monitoring project. Tim, Alisa and Rebecca meet WDFW crew 4 morning to process the Purple sea urchins that were gathered the day before. The WA Purple sea urchin monitoring was initiated due to the kelp barrens in CA. Below are some highlights of their 2020 survey work.

- Sea urchins are native nearshore invertebrates with ecological, cultural, and commercial importance in Washington.
- In response to factors such as ocean warming and the loss of predatory sea stars, intense grazing by purple sea urchins have shifted dense kelp beds to extensive urchin barrens in northern California and its nearby regions, leading to the collapse of kelp ecosystems and the species that depend on them.
- To better understand urchin-kelp dynamics in Washington, the WDFW and WDNR have partnered to examine existing large-area survey data on kelp, and how it relates to targeted observations of abundant purple sea urchins.
- The focal area is the western Strait of Juan de Fuca, where the WDFW shellfish dive team began monitoring four distinct areas with abundant purple sea urchins in 2020, some of which corresponded to low kelp abundance, and poor urchin gonad condition. This monitoring effort is planned to continue through 2022.
- There are no signs of widespread loss of canopy-forming kelps along the Strait of Juan de Fuca or open coast in recent years. Kelp canopy area remains similar to the long-term mean.

**Budget Updates:** Fiero just submitted invoices so after they are paid we may be only looking at having approximately \$1,500 to spend on Education/Outreach cards. Lyn moved and LaTrisha seconded giving Rebecca ok to spend up to \$1,000 on the cards.

### **Project Updates**

**Olympia oyster Restoration:** Robert mentioned that Sequim and Discovery Bay didn't have as much mortality from "heat dome" this past summer. Final report will be forth coming.

**Forage Fish:** Tim told the MRC that it appears that bulk of the spawning occurred in August, two months later? He also has a six page manual for taking pictures with the microscope.

**Kelp Survey:** Alan and Alisa were finally able to survey the Clallam Bay kelp bed. Freshwater Bay is also completed. Motorized boat surveys postponed.

**Pigeon Guillemot:** Ed said the 10 week monitoring of all sites have finished and working on final compilation. CMRC is was asked to contribute \$300-500 to regional data effort. Clallam 1 site on NWSC website this coming year.

**Education/Outreach:** Rebecca gave an update on the "Outreach cards". The original vendor could not print in color but did print around 35 cards for the MRC to look at. The black and white cards are nice but do not have the pop or wow fact the MRC was looking for. Rebecca is going to look into other quotes from other vendors for two-sided color cards.

Biotoxin: Rebecca got an extra “emergency” shellfish sample from Pillar Point at the DOH asking. There was “hit” from shellfish sample at Slip Point that was impetus for extra sampling event.

### **Good of the Order**

Rebecca passed along Ann Soule’s request for CMRC to give a presentation to the BOCC. It was decided to look at annual report to BOCC and start putting together a presentation for Jan. BOCC work session. It was decided to be a short Power Point presentation possibly titled “What we did, Where we are going”.

Mike Doherty mentioned the draft Storm water ordinance going to DOE. He also mentioned that it was the comment period on DOE’s website for Floating Tankers Proposal. He mentioned San Juan County MRC’s recommendations and could CMRC make similar comments?

### **Public Comment**

Lucas Hart shared that Caroline Gibson’s memorial will be held on October 24<sup>th</sup> at 4-7:00pm, at the Northwest maritime Center in Port Townsend. There will be a vaccine mandate at the event. Lucas will send out an email with the details.

### **Adjourn**

The meeting was adjourned at 7:20 pm.

Attached is a PDF of the Open Public Meetings Act tips from the MRSC. More tip sheets and other OPMA resources are available on the MRSC webpage. Here is a link: <https://mrsc.org/Home/Explore-Topics/Legal/Open-Government/Open-Public-Meetings-Act.aspx>

The Attorney General’s Office has also has some great OPMA resources, including a training video and a deck of powerpoint slides. That is available here: <https://mrsc.org/Home/Explore-Topics/Legal/Open-Government/Open-Public-Meetings-Act.aspx>

**MEETING AGENDA**  
**October 18, 2021**  
**5:30 p.m. – 7:00 p.m.**



**Zoom Meeting:** <https://us06web.zoom.us/j/84854465728?pwd=TzQvZkNLRnl1WmR3Z3ZnQU5xRmdOZz09>

*For more information about the MRC, please contact Rebecca Paradis at (360) 417-2322*

**5:30 Welcome by Chair Tim Cochnauer**

**5:35 Call To Order / Introductions / Changes to Agenda**

**5:40 Public Comment / Approval of Minutes**

**5:45 Guest Speaker Cindy Hansen**

Cindy Hansen is the Education and Advocacy Coordinator for the Orca Network and she is giving a presentation titled *“Preventing Extinction: the Story of the Southern Resident Orcas.”*

**6:20 NWSC Update**

Alan Clark will provide an update on the current NWSC topics.

**6:25 Annual Report to BOCC**

It was decided to schedule a short presentation in January, 2022 on a Monday BOCC work session. Should we create a sub-committee to help put this together?

**6:35 Budget Updates:** Rebecca Paradis will give status update on 2021-2023 on the Shorelands Northwest Straits Agreement.

**6:45 Project Updates**

Olympia oyster: Chris Burns will share an update of status of Olympia oyster.

Forage Fish: Tim Cochnauer will update the committee about the surveys.

Kelp: Jeff Ward and Alan Clark will give an update about the kelp survey season.

Pigeon Guillemot: Ed Bowlby will provide an update of survey efforts.

Education/Outreach: Rebecca Paradis will provide an update on the “Outreach cards”.

Any additional project updates will be discussed as needed.

**6:50 Good of the Order**

**6:55 Public Comment**

**7:00 Adjourn**

**2021 Meetings**

January 11  
February 22  
March 15

April 19  
May 17  
June 21

July 19  
August 16  
September 20

October 18  
November 15  
December 20



**Zoom Meeting Info:**

Topic: Clallam MRC Zoom Meeting

Time: October 18, 2021 05:30 PM Pacific Time (US and Canada)

Join Zoom Meeting

<https://us06web.zoom.us/j/84854465728?pwd=TzQvZkNLRnl1WmR3Z3ZnQU5xRmdOZz09>

Meeting ID: 848 5446 5728

Passcode: 075656

One tap mobile

+12532158782, 84854465728#,,,,\*075656# US (Tacoma)

Dial by your location

+1 253 215 8782 US (Tacoma)

Meeting ID: 848 5446 5728

Passcode: 075656

Find your local number: <https://us06web.zoom.us/u/kccBYZDtLy>

**2021 Meetings**

January 11

February 22

March 15

April 19

May 17

June 21

July 19

August 16

September 20

October 18

November 15

December 20



**Meeting Minutes**

Date: Monday, October 18, 2021  
Time: 5:30 – 7:00 pm  
Location: Zoom meeting  
Minutes prepared by Rebecca Paradis

**Members present:**

**P = Present E= Excused**

P Bob Vreeland	P Robert Knapp	P Arnold Schouten	P Tim Cochnauer	? Jesse Waknitz
E Ann Soule	E Jeff Ward	P Mike Doherty	P Latrisha Suggs	Makah Open Position
E Lyn Muench	P Alan Clark	P Ed Bowlby	P Ann Stafford	

**Alternates present:**

E Mary Sue Brancato	P Chris Burns	P Lance Vail
E Ioana Bociu	? Navarra Carr	

**Ex-Officio Members / MRC staff/Members of the Public Present**

Rebecca Paradis, Clallam MRC Coordinator/Habitat Biologist; Cathy Lear, Clallam Habitat Biologist Manager; Sasha Horst, NWSC; Joseph Stride, Coleman Byrnes and Cindy Hansen, Orca Network.

**Call to Order/Introductions/ Changes to Agenda**

No changes to the agenda.

**Public Comment/Approval of Minutes**

No public comment was made. The minutes for September were tabled until November.

**Guest Speaker Cindy Hansen**

Cindy Hansen is the Education and Advocacy Coordinator for the Orca Network and gave a presentation titled *“Preventing Extinction: the Story of the Southern Resident Orcas.”* Cindy’s presentation was very informative and educational about the Orcas that call the Puget Sound/Strait of Juan de Fuca home.

**NWSC Update**

Alan gave an update on Reauthorization, Congressional Directed Spending and Federal Appropriations. The NWSC virtual conference is November 18, 2021.

**Budget Updates:** Rebecca Paradis gave an updated the CMRC that the Northwest Straits agreement is due to be signed by Clallam County BOCC on October 26<sup>th</sup>.

**Project Updates**

**Olympia oyster Restoration:** Chris Burns gave a short Power Point presentation showing graphs of the pre and post “heat dome” surveys.

**Forage Fish:** Tim has continued with surveys and his preliminary findings are 1 egg Ediz hook, 1 egg Elwha and 500+ eggs at Cline Spit.

**Kelp Survey:** Alan- Kelp data is assembled and has been sent in. He is going to start working on methods for motorized surveys.

**Pigeon Guillemot:** Ed said surveys were wrapped up in September and data has been entered in WDFW regional data base (Guillemot network). He also stated that he and Rebecca has a call with NWSC and

WDFW about how to get data into SoundIQ. He also asked the CMRC to once again sponsor the regional Pigeon Guillemot coordinator @ \$400. Arnold moved and Alan seconded the motion.

Oil Spill: Ann Stafford is going to look into what other MRC's have applied for regarding funding for Oil Spill/Hazewoper training.

Education/Outreach: Rebecca is going to place order for 1000 each of 3 designs once final bid comes in.

**Good of the Order**

Mike Doherty- Pacific Coast Fisheries management team needs more members. DOE comment period on Rosario Strait vessel traffic. LaTrisha asked for Mike to send the DOE proposals and he directed her to the DOE website.

**Public Comment**

No public comment.

**Adjourn**

The meeting was adjourned at 7:11 pm.

## DRAFT MEETING AGENDA

November 15, 2021  
5:30 p.m. – 7:00 p.m.



### Zoom Meeting:

<https://us06web.zoom.us/j/83021133642?pwd=eHMwdWI3Y1Noeik5WHNyV2R2Nk13dz09>

*For more information about the MRC, please contact Rebecca Paradis at (360) 417-2322*

**5:30 Welcome by Chair Tim Cochnauer**

**5:35 Call To Order / Introductions / Changes to Agenda**

**5:40 Public Comment / Approval of Minutes**  
Approval of September and October minutes.

**5:50 New CMRC Members Applications/Appointments:** Justin Stapleton- LEKT representative, Nancy Stephaz –Conservation/Environmental Alternate , Raymond Kirk - At Large Alternate

**6:20 NWSC Update**  
Alan Clark will provide an update on the current NWSC topics.

**6:35 Budget Updates:**  
Updates on Congressional Directed Spending and proposal that was sent to NWSC.

**6:45 Project Updates**  
Olympia oyster: Chris Burns will share an update of status of Olympia oyster.  
Forage Fish: Tim Cochnauer will update the committee about the surveys.  
Kelp: Jeff Ward and Alan Clark will give an update about the kelp survey season.  
Pigeon Guillemot: Ed Bowlby will provide an update of survey efforts.  
Education/Outreach: Rebecca Paradis will provide an update on the “Outreach cards”.  
Oil spill preparedness: Anne Stafford will give updates  
Any additional project updates will be discussed as needed.

**6:50 Good of the Order**

**6:55 Public Comment**

**7:00 Adjourn**

### 2021 Meetings

January 11	April 19	July 19	October 18
February 22	May 17	August 16	November 15
March 15	June 21	September 20	December 20

**Zoom Meeting Info:**

Topic: Clallam MRC November meeting

Time: Nov 15, 2021 05:30 PM Pacific Time (US and Canada)

Join Zoom Meeting

<https://us06web.zoom.us/j/83021133642?pwd=eHMwdWI3Y1Noeik5WHNyV2R2Nk13dz09>

Meeting ID: 830 2113 3642

Passcode: 832408

One tap mobile

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+13462487799,,83021133642#,,,,\*832408# US (Houston)

Dial by your location

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+1 346 248 7799 US (Houston)

+1 669 900 6833 US (San Jose)

+1 301 715 8592 US (Washington DC)

+1 312 626 6799 US (Chicago)

+1 929 205 6099 US (New York)

877 853 5257 US Toll-free

888 475 4499 US Toll-free

833 548 0276 US Toll-free

833 548 0282 US Toll-free

Meeting ID: 830 2113 3642

Passcode: 832408

Find your local number: <https://us06web.zoom.us/u/kyg7e5QA6>

Join by SIP

**2021 Meetings**

January 11

April 19

July 19

October 18

February 22

May 17

August 16

November 15

March 15

June 21

September 20

December 20

83021133642@zoomcrc.com

Join by H.323

162.255.37.11 (US West)

162.255.36.11 (US East)

115.114.131.7 (India Mumbai)

115.114.115.7 (India Hyderabad)

213.19.144.110 (Amsterdam Netherlands)

213.244.140.110 (Germany)

103.122.166.55 (Australia Sydney)

103.122.167.55 (Australia Melbourne)

149.137.40.110 (Singapore)

64.211.144.160 (Brazil)

149.137.68.253 (Mexico)

69.174.57.160 (Canada Toronto)

65.39.152.160 (Canada Vancouver)

207.226.132.110 (Japan Tokyo)

149.137.24.110 (Japan Osaka)

Meeting ID: 830 2113 3642

Passcode: 832408

**2021 Meetings**

January 11  
February 22  
March 15

April 19  
May 17  
June 21

July 19  
August 16  
September 20

October 18  
November 15  
December 20



## Minutes

Date: Monday, November 15, 2021

Time: 5:30 – 7:00 pm

Location: Zoom meeting

Minutes prepared by Rebecca Paradis

### **Members present:**

**P = Present E= Excused**

P Bob Vreeland	P Robert Knapp	E Arnold Schouten	P Tim Cochnauer	? Jesse Waknitz
P Ann Soule	E Jeff Ward	E Mike Doherty	P Latrisha Suggs	Makah Open Position
P Lyn Muench	P Alan Clark	P Ed Bowlby	P Ann Stafford	LEKT Open Position

### **Alternates present:**

P Mary Sue Brancato	P Chris Burns	P Lance Vail
P Ioana Bociu	? Navarra Carr	

### **Ex-Officio Members / MRC staff/Members of the Public Present**

Rebecca Paradis, Clallam MRC Coordinator/Habitat Biologist; Cathy Lear, Clallam Habitat Biologist Manager; Joseph Stride, Coleman Byrnes Nancy Stephanz.

### **Call to Order/Introductions/ Changes to Agenda**

Call to order at 5:37. Mary Sue Brancato wanted to ad and admin item and project update.

### **Public Comment/Approval of Minutes**

No public comment. Minutes for September and October were approved.

### **NWSC Update**

Alan reminded the group about the NWSC virtual Climate Change Symposium is November 18<sup>th</sup> from 3:30- 5:00. Future NWSC Symposium dates are Dec. 16. Jan.20 and Feb. 17 all beginning at 3:30. Alan informed us that the Snohomish MRC removed 4 derelict boats. Alan also mentioned the [Seabin Project](#), one of which was being used in Friday Harbor to capture plastic refuse in the harbor. The San Juan MRC spokesperson reported that they were happy with clean-up, didn't see adverse interactions with sea life. Some problems with them were the cost (\$3,000-5,000) and they last approximately 3-4 years, need power nearby and the need for daily trash collection.

**Budget Updates:** Rebecca Paradis let the CMRC know that she was working with Whidbey Audubon Society and Lori to get CMRC's \$400(approved in October) donation to the [Salish Sea Guillemot Network](#).

### **Project Updates**

**Forage Fish:** Tim has continued with surveys at Elwha and Cline Spit.

**Kelp Survey:** Alan- He is going to start working on methods for motorized surveys and Rebecca will be working on QAPP for motorized surveys.

**Pigeon Guillemot:** Ed said he is continuing to work out bugs with WDFW on their database.

**Oil Spill:** Ann Stafford is going to send out an email with information on Oiled wildlife response training, [Pacific States task force meeting](#). She also explained how to sign up to volunteer on the Oil Spills 101 page.

Education/Outreach: Rebecca- Educational/Outreach cards arrived today and can be picked up at Olympic Printers.

**Good of the Order**

Rebecca- Three new applications for open positions were received. Raymond Kirk, alternate At large member, Nancy Stephanz, Conservation/Environmental alternate. Nancy was in attendance and she is hoping to start working on the WDFW [SoundToxins](#) project once she retires. She mentioned working with and getting training from Betsy Carlson and Neil Harrington.

Robert Knapp- mentioned that Neil Harrington is still catching green crab in the mouth of Jimmycomelately Creek creek. He also mentioned that JST hopes to take possession of their new Oil Spill Response Vessel in December.

Lyn- Asked Robert if Neil was monitoring for green crab anywhere else. Robert said yes, Chicken Coop creek and Washington Harbor. WDFW has sent a response team. Ed mentioned that he monitors in Sequim Bay near the mouth of Jimmycomelately creek. The consensus was to ask Neil Harrington to give a presentation on his green crab monitoring.

**Public Comment**

No public comment.

**Adjourn**

The meeting was adjourned at 6:38 pm.



## CMRC MEETING AGENDA

December 20, 2021

5:30 p.m. – 7:00 p.m.



### Zoom Meeting:

<https://us06web.zoom.us/j/83576209125?pwd=b1ISWEpGYUZndHBiUWdDZzdPWIRmUT09>

*For more information about the MRC, please contact Rebecca Paradis at (360) 417-2322*

**5:30 Welcome by Chair Tim Cochnauer**

**5:35 Call To Order / Introductions / Changes to Agenda**

**5:40 Public Comment / Approval of Minutes**

Approval of November minutes.

**5:45 King Tide and Storm Surge Monitoring Project:**

Alan Clark will discuss this project that Jefferson MRC is putting together.

**6:20 NWSC Update**

Alan Clark will provide an update on the current NWSC topics.

**6:35 Meeting Dates:** January and February meeting dates fall on Federal holidays. Proposed alternate dates : January 24<sup>th</sup> and February 28<sup>th</sup>

**6:45 Project Updates:**

Place Road Levee Outreach: Rebecca will give update.

Forage Fish: Tim Cochnauer will update the committee about the surveys.

Education/Outreach: Rebecca Paradis will provide an update on the "Outreach cards".

Oil spill preparedness: Anne Stafford will give updates

Any additional project updates will be discussed as needed.

**6:50 Good of the Order**

**6:55 Public Comment**

**7:00 Adjourn**

### 2021 Meetings

January 11

April 19

July 19

October 18

February 22

May 17

August 16

November 15

March 15

June 21

September 20

December 20

**Zoom Meeting Info:**

Time: Dec 20, 2021 05:30 PM Pacific Time (US and Canada)

Join Zoom Meeting

<https://us06web.zoom.us/j/83576209125?pwd=b1ISWEpGYUZndHBiUWdDZzdPWIRmUT09>

Meeting ID: 835 7620 9125

Passcode: 764666

One tap mobile

+12532158782,,83576209125#,,,,\*764666# US (Tacoma)

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Dial by your location

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+1 301 715 8592 US (Washington DC)

+1 312 626 6799 US (Chicago)

+1 929 205 6099 US (New York)

888 475 4499 US Toll-free

833 548 0276 US Toll-free

833 548 0282 US Toll-free

877 853 5257 US Toll-free

Meeting ID: 835 7620 9125

Passcode: 764666

Find your local number: <https://us06web.zoom.us/u/kd98MzLorT>

Join by SIP

83576209125@zoomcrc.com

Meeting ID: 835 7620 9125

Passcode: 764666

**2021 Meetings**

January 11

April 19

July 19

October 18

February 22

May 17

August 16

November 15

March 15

June 21

September 20

December 20

**2021 Meetings**

January 11  
February 22  
March 15

April 19  
May 17  
June 21

July 19  
August 16  
September 20

October 18  
November 15  
December 20



**December Minutes 2021**

Date: Monday, December 20, 2021  
Time: 5:30 – 7:00 pm  
Location: Zoom meeting  
Minutes prepared by Rebecca Paradis

**Members present:**

**P = Present E= Excused**

A Bob Vreeland	P Robert Knapp	P Arnold Schouten	P Tim Cochnauer	? Jesse Waknitz
P Ann Soule	E Jeff Ward	P Mike Doherty	P Latrisha Suggs	Makah Open Position
P Lyn Muench	P Alan Clark	E Ed Bowlby	P Ann Stafford	P Justin Stapleton

**Alternates present:**

P Mary Sue Brancato	P Chris Burns	P Lance Vail	A Raymond Kirk
P Ioana Bociu	? Navarra Carr	P Nancy Stephanz	

**Ex-Officio Members / MRC staff/Members of the Public Present**

Rebecca Paradis, Clallam MRC Coordinator/Habitat Biologist; Cathy Lear, Clallam Habitat Biologist Manager; Ken Reandeu, District 3;; Coleman Byrnes, Lucas Hart, NWSC; Sasha Horst, NWSC; Jeff Why, NWSC.

**Call to Order/Introductions/ Changes to Agenda**

Call to order at 5:33. Ann Soule would like to add; recruiting new members and yearly update to BOCC

**Public Comment/Approval of Minutes**

No public comment. Minutes for November were approved.

**King Tide and Storm Surge Monitoring Project:**

Jeff Taylor contacted Alan Clark to gauge Clallam MRC’s interest in the King Tides and Storm Surge project that Jefferson MRC is putting together. Jefferson MRC is changing things a bit, looking at storm surge in specific sites. They've seen some high water events during the past weeks, especially when S to SE winds combine with high tides. Some of the pictures of the NW Maritime Center, a nearby launch ramp, and the Port Townsend ship yard make it obvious that even a small rise in sea level will have some negative impacts on shore side infrastructure.

Neil Harrington, Robert Knapp, Ian Miller, and others are interested in the project as well. The question of where to put our station for monitoring sea level rise or the effects of storm surge has been addressed by Jeff Ward. He suggests that the 3 Crabs restoration area by used. Indeed, we have seen flooding in the area when high tides and high winds have occurred at the same time. Are there places in Port Angeles that might make sense to monitor as well? While not an expensive project, a storm surge monitoring program would require people to do the observations (typically during the fall/winter months) and process the data. Jeff is willing to present to CMRC if there is Interest. If CMRC wants to take this project on we would need member to take the lead.

LaTrisha Suggs suggested looping in Nathan West, City of Port Angeles Manager. She also wondered about pipeline that supplies City of PA’s water. Portions of the Pipeline run along the shore as well as the Discovery Trail. Could we also get interested folks in Neah Bay and Clallam Bay? It was suggested that local schools and ourselves could get involved via <https://mycoast.org/wa>.

King Tides and Sea Level Rise, a webinar with WA SeaGrant's Bridget Trosin and Dave Wilkinson  
<https://www.youtube.com/watch?v=hcw84Q6Hg4o>.

Arnold Schouten suggested inviting Ian Miller of Sea Grant to present on Climate Change and sea level rise. Ian will be presenting as part of Fiero Marine Life Center's speaker series.

<https://www.facebook.com/events/d41d8cd9/speaker-series-sea-level-rise-around-the-world-and-here-at-home/322484723071901/>

Rebecca mentioned that CMRC could put a webinar together on local Climate Change but there needs to be a leader for the cause.

Mike Doherty volunteered to help with Sea level rise/storm surge group. He also feels like BOCC ignores known risk of Sea level rise, septic, salt water intrusion on septic.

### **NWSC Update:**

Alan mentioned that Jackie Lindsey of [Coasst](#) gave a presentation focusing on marine debris but not micro plastics. The next NWSC Climate Change symposiums are January 20th and February 17th from 3:30-5:30.

Barb Bennett SMP Workgroup- think how we want it to be in the future. 2021 Green Crab update. In recent months over 70,000 European Green Crab have been captured inside Lummi Sea Pond.

Ann Soule asked what California has learned about Green crabs and the trouble they have caused there – so that we can use that info in our messaging.

**Meeting Dates:** Rebecca proposed moving January and February's meetings due to them falling on Federal Holidays. The new meeting dates are January 24<sup>th</sup> and February 28<sup>th</sup>.

**Budget Updates:** Lucas Hart said he feels pretty good that Congressional Directed Spending (CDS) is going to go through but will be mid-February before we know. Reauthorization is still unknown at this time.

### **Project Updates**

**Place levee outreach:** Rebecca ordered and received 2 new signs and replaced vandalized sign.

**Forage Fish:** Tim and Ame Cochnauer and Ann Stafford collected samples at Cline Spit and Ediz Hook. No Elwha samples this month. Justin Stapleton says from his beach seining with NOAA, he knows where forage fish are found if that is of interest.

**Oil Spill preparedness:** Ann Stafford noted that herself plus 4 CMRC members and Rebecca attended and received their 8 hour Oiled Wildlife HAZWOPER (Hazardous Waste Operations and Emergency Response) class. Ann also spoke to Wendy Buffet (with Chris Burns) from Dept. of Ecology about Strait GRP. Ann suggested having Wendy and/or Ann Chastain (Clallam emergency manager) speak at a CMRC monthly meeting. Ann also posed the question, "What is CMRC role in oil spill response?"

**Education/Outreach:** Bob, Ann and Arnold have distributed Outreach cards to various local venues. The Outreach cards are being well received! It was mentioned to make a coordinated Social Media educational post on CMRC Facebook and Webpage. Latrisha mentioned approaching the Chamber of Commerce and local businesses and partner/sponsor with them to share cost of printing Outreach cards. Could add business name on card to offset costs. The Outreach cards cost approximately \$.50 each. LaTrisha and Ann Soule are going to talk more about this idea.

### **Good of the Order**

Tim is scheduled to present CMRC yearly update to BOCC on February 14, 2022.

Outreach cards- partnering with businesses. Could also be a good way to get more interest in CMRC membership?

Arnold suggested possibly getting Chamber to present guidelines for participation. Arnold would also like to have a get together for a brainstorming session in the next few months.

Ann Soule asked whether the MRC still needs to recruit new members for fieldwork – an issue brought up by a few members months ago. This could dovetail with outreach to businesses and the Chamber. Alan is still working on getting kayak volunteers for kelp surveys. Justin suggested reaching out to the Clallam Conservation District for volunteers and WSU Stream Stewards.

Cathy Lear mentioned the ECycleNW hazardous cleanup that DCD and Dept. of Ecology has been working on. Robert gave an overview of the site and Rebecca read off the list of hazardous materials that have been removed. There is still non-hazardous waste to be cleaned up. DCD will continue to remove non-hazardous materials until funds run out. DCD is also working on a press release. Arnold suggested reaching out to Jefferson County MRC.

### **Public Comment**

No public comment.

### **Adjourn**

The meeting was adjourned at 7:19 pm.