

MEETING AGENDA
January 27, 2020
5:30 p.m. – 7:30 p.m.



Feiro Marine Life Center

315 N Lincoln Street
Port Angeles, WA



For more information about the MRC, please contact Cathy Lear at (360) 417-2361 or Helle Andersen at (360) 417-2416.

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

5:35 Public Comment/Approval of Minutes

5:40 “The Story of Water” Video

The members will view the “The Story of Water” video produced by the Clallam County League of Women Voters and community partners (<https://www.youtube.com/watch?v=UFygGRGr-2c>).

6:00 MRC Climate Change Workgroup

At the last MRC meeting Ann Soule proposed a six step approach to increase climate change awareness in the community and at the BOCC. The third step includes review the NOPRCD Preparedness Plan (2015) for actions that could be initiated with low cost or controversy. The Climate Change Workgroup will report on their progress.

6:15 2020 Internship Program

The subcommittee will provide an update of the program and the final list of intern projects. The members will vote on the proposed 2020 Internship Program.

6:30 Review of Clallam MRC Vision & Mission Statements

At the retreat in October revisions to the vision and mission statements were proposed by some of the members. The members will discuss the revisions and reach a decision whether the statements should be changed in the strategic plan.

6:40 “Deep-Handshake” Partnership Workshop

At the retreat Ann Soule suggested organizing a workshop with our “deep-handshake” partners. The members will discuss topics and partners to be invited to the workshop. A subcommittee will be formed to finalize the workshop agenda.

6:50 Current Action Items before the BOCC

The members will discuss the Dungeness Spit oyster project, proposed by the Jamestown S'Klallam Tribe, and the Western Port Angeles Harbor sediment cleanup (open house Jan. 28th at 6:30 pm at the OMC in Port Angeles).

7:05 NWSC Update

Alan Clark will provide an update on current NWSC topics.

7:10 Project Updates

Oil Spill Preparedness: Ed Bowlby and Arnold Schouten will provide an update.

7:20 Good of the Order

The members will decide if the February meeting will be held Feb. 10th or Feb. 24th.

7:25 Public Comment

7:30 Adjourn

2020 Meetings

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

CLALLAM  COUNTY
MARINE RESOURCES COMMITTEE

Draft Minutes

Date: Monday, January 27, 2020
 Time: 5:30 – 7:30 pm
 Location: Feiro Marine Life Center
 Minutes prepared by Helle Andersen

Members present:

P = Present E= Excused

P Bob Vreeland	P Robert Knapp	P Arnold Schouten	P Tim Cochnauer	City of Port Angeles
P Ann Soule	P Jeff Ward	E Mike Doherty	Greig Arnold	LEKT Open Position
P Lyn Muench	P Alan Clark	P Ed Bowlby	Jesse Waknitz	T&C Open Position

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

Ioana Bociu, resident; Harold Kline, resident; Kevin Russell, resident; Lance Vail, resident; Nessa Goldman, resident; Melissa Williams, Feiro Marine Life Center Executive Director; Cathy Lear, Clallam MRC Coordinator; Helle Andersen, Clallam MRC Project Coordinator.

Call to Order/Introductions/ Changes to Agenda

None

Public Comment/Approval of Minutes

Melissa Williams informed the audience that kelp expert Tom Mumford will be speaking February 18th at 6 pm at Feiro Marine Life Center. The presentation is part of a speaker series organized by Feiro Marine Life center in partnership with Olympic Coast National Marine Sanctuary. The December minutes were approved.

“The Story of Water” Video

The video was well received by the audience. For more information on the video and project see Clallam County League of Women Voters’ website <https://my.lwv.org/washington/clallam-county/story-water>

MRC Climate Change Workgroup

Ann Soule began the update of the workgroup’s progress by passing out a list of Clallam MRC Climate Change-Related Events and Projects, 2015-2019 (attached). The next step is to finalize talking points so that District reps can open a dialog with their Commissioners in one-on-one meetings; one of the topics is to ask if they have ideas for us to work on. Reps will use the list and emphasize that climate change is the MRC’s number one concern. Jeff Ward pointed out that a lot of the monitoring work carried out by the MRC provides relevant information to better understand the environment and the impact of climate change. Alan is reaching out to NWSC for resources.

2020 Internship Program

After a short discussion the members decided to offer three internships in the spring and three internships in the summer. The spring internships will be smolt trapping on Tumwater Creek in collaboration with Lower Elwha Tribe and green crab trapping and removal in Neah Bay in collaboration with the Makah Tribe. The duration of both of these internships will be 80 hours. The third spring internship will focus on creating several videos about the MRC. The internship will be carried out in collaboration with Patric McInnis at Port Angeles high school. The duration of this internship is up to 150 hours. The summer interns will be working on the following projects: monitoring of pigeon guillemot breeding colonies, kelp bed monitoring and a combination of outreach to recreational crabbers and working with Jamestown on their green crab trapping and removal project. The duration for the three summer internships will be 80 hours. All internships will be paid mileage. Because the MRC Opportunity

grant RFP will not be published until April with funds becoming available in June the members decided to fund all internships through the NWSC grant. By doing so the projected amount for the internship program will exceed what was designated to that task in April 2019; this will require writing an amendment to the 2019-20 grant. The additional funds will be coming from the oil spill preparedness task (see agenda item summary below).

Review of Clallam MRC Vision & Mission Statements

The following revisions to the vision and mission statements were approved by the members:

Previous vision statement: CCMRC's vision is a healthy and protected marine ecosystem for future generations.

Revised statement: CCMRC's vision is a healthy marine ecosystem for future generations.

Previous mission statement: CCMRC's mission is to develop projects that achieve the following goals:

- Goal 1: Protect and restore nearshore ecosystems
- Goal 2: Use science to support decision-making
- Goal 3: Promote environmental stewardship.

Revised statement: CCMRC's mission is to develop projects that achieve the following goals:

- Goal 1: Protect and restore marine ecosystems
- Goal 2: Use science to support decision-making
- Goal 3: Promote environmental stewardship.

"Deep-Handshake" Partnership Workshop

The members had a brief discussion about the workshop. Ann Soule suggested that we make it a celebration of the work everybody is doing with an emphasis on common priorities. It will also provide an opportunity for all participants to share information on what they are currently working on. It should not be promoted as a "fundraiser" even though it may function as such. Jeff Ward suggested that we reach out to Jefferson MRC to participate in the event or organizing a joint MRC meeting similar to the meeting we held two years ago. The members decided to start planning for the event in March (topic on the March agenda) for the workshop to take place late summer or early fall.

Current Action Items before the BOCC

Robert Knapp informed the members that the first phase of the Jamestown Oyster Project has been approved by the hearing examiner. The hearing examiner requested monitoring to be conducted and ruling of the second phase will occur after the monitoring results have been reviewed. The tribe still needs to receive federal permits for the project.

Melissa Williams briefly summarized the other action item – cleanup of the Port Angeles Harbor. Department of Ecology will host an open house Tuesday January 28th 6:30 – 8:30 pm at the Olympic Medical Center. During the open house they will present the alternatives for the cleanup effort and provide the audience an opportunity to ask questions. Public comment period runs from January 16 through March 16, 2020.

NWSC Update

Allan Clark provided an update of the NWSC meeting January 31, 2020. Anna Toledo, Island MRC coordinator, informed the Commission about their sea level rise workshops and Linda Ridder, president of Sound Water Stewards, gave a presentation of their work. Dana Oster is back from her sick leave and is working on the kelp conservation & recovery plan. Nicole Jordan's replacement has been hired and the Commission is going forward with hiring a short-term ecosystem coordinator.

Project Updates

Oil Spill Preparedness: Arnold Schouten and Jeff Ward gave a brief summary of how the MRC and the team led by WDFW have provided HAZWOPER and oiled wildlife training in the past. The HAZWOPER class used to be large with numerous federal employees receiving the 8-hr refresher course for their 24-40 hr. course. In the last couple of years there has been very few if any federal employees taking the 8-hr. HAZWOPER class. The WDFW team has therefore decided to move the training to Vancouver, WA. For years Island Oil Spill Association came to Port Angeles and provided two oiled wildlife classes (search & capture and intake & rehabilitation) using live birds. Last year IOSA was no longer able to provide the training and Focus Wildlife was contracted to teach one 8-hr oiled wildlife class. Jenny Schlieps from Focus Wildlife is against using live birds and the class include more lectures with a little hands-on of dead birds. Because Arnold, Jeff and Ed Bowlby didn't think last year's oiled wildlife training provided the participants a good sense of how to handle birds and because of the lack of the 8-hr HAZWOPER class in Port Angeles, the subcommittee thought it would be a good time to step back and re-access what oil spill related training the MRC should and can offer. Jeff also mentioned that he has been asked to present in an oil spill preparedness course provided by WSU in Snohomish. Instead they suggested providing a more general outreach to the community about oil spill preparedness including the increase in tanker traffic. Such an outreach could be done in a public forum. Ed suggested including a presentation in the upcoming Celebration of Science & Technology. The members decided to not provide the oiled wildlife training in 2020. This decision will require an amendment to the 2019-20 NWSC grant.

Good of the Order

The members will decide to hold the February meeting Feb. 24th.

Public Comment

None

Adjourn

The meeting ended at 7:30 pm.

MEETING AGENDA
February 24, 2020
5:30 p.m. – 7:30 p.m.



Commissioners' Large Meeting Room

223 East 4th Street
Port Angeles, WA

For more information about the MRC, please contact Cathy Lear at (360) 417-2361 or Helle Andersen at (360) 417-2416.

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

5:35 Public Comment/Approval of Minutes

5:40 WA Sea Grant Green Crab Trapping and Removal Project

Emily Grason, Marine Ecologist and Crab Team Program Manager for WA Sea Grant, will present on the European green crab removal efforts planned for 2020. She will also discuss current status (recent findings in Drayton/Lummi Bay) and how that is influencing the management landscape for green crab across the entire Salish Sea.

6:15 Oil Spill Preparedness Outreach in 2020

The members will decide the outreach to be carried out in 2020 related to oil spill preparedness. At the January meeting the members decided not to offer oiled wildlife training in 2020. A decision has to be reached in order to commence the required grant amendment to the 2019-20 MWSC grant.

6:30 NWSC Retreat Agenda and Questions

The members will provide feed-back to the draft agenda for the NWSC retreat March 26-27, 2020 and the questions provided by the NWSC.

6:55 Port Angeles Harbor Crabber Outreach Map

Helle Andersen will ask for feedback from the members regarding a draft outreach map over Port Angeles Harbor to be distributed to recreational crabbers.

7:05 Project Updates

2020 Internship Program: The subcommittee (Ed Bowlby, Jeff Ward, Alan Clark, Arnold Schouten and Tim Cochnauer) will provide an update of the program.

7:20 Good of the Order

7:25 Public Comment

7:30 Adjourn

2020 Meetings

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

CLALLAM COUNTY

MARINE RESOURCES COMMITTEE

Minutes

Date: Monday, February 24, 2020
 Time: 5:30 – 7:30 pm
 Location: Large Commissioners’ conference room,
 Minutes prepared by Helle Andersen

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	E Mike Doherty	Greig Arnold	LEKT Open Position
P Lyn Muench	P Alan Clark	P Ed Bowlby	P Latrisha Suggs	T&C Open Position

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

Ioana Bociu, Academia alternate; Harold Kline, District III alternate; Tom Butler, resident; Burt Foote, resident; Alex Hirsekorn, resident; Jim Jewel, resident; Jac Cumming, resident; Pat Nachreiner, resident; Chris Kopf, resident; Tien Vo, resident; Emily Grason, WA Sea Grant; Helle Andersen, Clallam MRC Project Coordinator.

Call to Order/Introductions/ Changes to Agenda

None

Public Comment/Approval of Minutes

The January minutes were approved as amended.

WA Sea Grant Green Crab Trapping and removal Project

Emily Grason, Marine Ecologist and Crab team Program Manager for the WA Sea Grant, gave an excellent presentation on the European green crab removal project with a focus on findings from Clallam County. The project is currently monitoring 56 stations in the Salish Sea and the green crab has been ranked as the number 2 aquatic invasive species in Washington. She also discussed the recent findings in Drayton and Lummi Bay (Whatcom County) and how this influences the management landscape for green crab across the Salish Sea. After the presentation the audience had numerous questions one of which was “what’s the end game of the project.” Emily answered this with saying that she thinks there will be an on-going trapping effort to keep the numbers low and monitoring for emerging new population areas; she does not expect the project to eradicate green crabs from the Salish Sea. Because Emily was going back to Seattle the audience was encouraged to email her any additional questions to egrason@uw.edu.

Oil Spill Preparedness Outreach in 2020

At the January meeting the members decided not to offer oiled wildlife training in 2020. This decision generated the question “how should the MRC spend the \$4,200 dedicated to the training.” Helle Andersen provided a budget summary to facilitate the discussion. Inspired by Emily Grason’s presentation several of the members suggested that the Clallam MRC get more involved with the project and looked into staffing a monitoring station. It was also suggested that the MRC use some of the money to buy the traps needed to monitor a new station. The members also discussed whether the funds should go into the monitoring task or the education & outreach task and how to achieve the most flexible budget so that we will not have to write another amendment. Arnold Schouten raised the point that the MRC should not remove all the funds under the oil spill preparedness task. In that connection, Ed Bowlby informed the members that a representative for Department of Ecology will come to the Celebration of Science and Technology event March 14th and speak about oil transport in Washington State. Since Ed

reached out to the Department of Ecology and organized the speaker, the Clallam MRC will be able to take credit for the presentation and fulfill one of the 2019-20 grant deliverables. The members agreed to staff a booth at the event and a sign-up list went around the table. Harold Kline suggested that the MRC consider having a booth at the Maritime Festival in June. *The final outcome of the discussion was that Helle Andersen should contact Emily and talk to her about the MRC staffing a new monitoring station and the cost of traps. At the next meeting, based on the conversation with Emily Helle will provide a budget proposal most likely splitting the \$4,200 between the oil spill preparedness, education & outreach and monitoring tasks.*

NWSC Retreat Agenda and Questions

Alan Clark informed the members that the 2020 Northwest Straits Initiative Retreat at Padilla Bay, on April 3rd, will bring the NWSC representatives from all MRC's together to discuss some issues that all of our MRCs seem to be facing or have faced recently, such as:

- Working with county leadership on the need for full-time MRC staffers.
- Getting county elected officials to attend or sit on MRC staff meetings
- Working with Tribes
- Development of education and outreach tools for MRC use in the community.
- Recruiting local, state, federal elected officials to serve on subcommittees or projects
- New member recruitment and retention issues

In that connection NWSC has provided a list of questions looking for feedback from the MRCs (attached to these minutes). Dana Oster has requested comments back to her by March 20th at the latest. Alan liked project ideas which create interest in the local community including potential voters. This will get the attention of the elective representatives. A good example is the "Story of Water" video produced by the Clallam County League of Women Voters and community partners. Ed Bowlby commented that the Clallam MRC is better connected with the three commissioners than with staff at Department of Community Development. He suggested that we reach out to staff members, inviting them to our meetings or talking with them on a one-on-one basis. Jeff Ward stated that the DCD doesn't come to the Clallam MRC about issues - instead we often find out late in the process. Latisha Suggs suggested that Clallam MRC should let DCD know about the knowledge residing with Clallam MRC and ask to get more involved in drafting the planning documents. However, this raises the question "how involved does the MRC want to get in the work carried out by DCD?" During this discussion Helle Andersen provided a summary of all the boards and committee under the county, how they are staffed by county employees, and the vacancy rate. She also provided a list of all the boards and committees each commissioner is a member of (attached). Several other topics were raised during the discussion such as funding of a full-time coordinator position. In larger MRCs some of this funding comes from county budgets in addition to the NWSC funds. This may cause issues with securing the position under budget cuts. Other issues were how to get people to serve and in that connection Jeff stated that the seven MRCs go through cycles from functioning very well to struggling with member participation. Ann Soule (who was on the phone) provided this comment later "I am listening to the MRC discussion on this via phone tonight and have one suggestion: the climate crisis is a major concern so can retreat participants explore how to encourage and/or assist our county governments in making progress toward meaningful mitigation and adaptation."

Port Angeles Harbor Crabber Outreach Map

Postpone to the March meeting.

Project Updates

2020 Internship Program: The subcommittee informed the members that the two spring internships, smolt trap and green crab with Makah Tribe, have been advertised and Helle Andersen mentioned that she will be visiting classes at the Peninsula College tomorrow. Application due date for the two

internships is March 9th. Patric McInnis from the Port Angeles high school has recommended three students for the video internship and Helle has reached out to them to set-up interviews. Lyn Muench suggested that we start advertising the summer internships at the celebration of Science and Technology event. *Latisha Suggs requested that Helle email the spring internship brochure to all the members.*

Climate Change Subcommittee: Ann Soule provided this summary of the subcommittee's efforts: After our January meeting the workgroup members were active via email, summarizing talking points for district rep meetings with their Commissioners and offering various lists of activities the MRC has been involved in related to climate change research, education, etc. Next step is to meet again for a Dry Run and decide exactly who will approach each Commissioner. Additional activities but not yet planned include tracking BOCC agendas for marine and/or climate topics and attend those, to be more visible.

Kelp Monitoring: Alan Clark informed the members that Jeff Ward, Alan and Helle Andersen had breakfast with Tom Mumford on February 19th to discuss the kelp monitoring projects. Lots of ideas were discussed including conducting boat kelp surveys and better documenting the distribution of Giant Kelp (*Macrocystis*). On another note Alan has contacted Alisa, the 2019 summer intern, and she will be interested in applying for the kelp monitoring project again in 2020.

Good of the Order

Ann Soule asked the members if the MRC would be interested in purchasing Chico bags as a way to raise funds and awareness while avoiding plastic and single-use bags. For more information Ann provided this link <https://chicobag.com/pages/about-us>. If yes, should the MRC ask for partners such as Feiro, OCA, Surfrider? (since CMRC doesn't have a real logo to put on there)? Lyn Muench thought it was a good idea, but knew from other experiences that it could be difficult to get the bags. Arnold Schouten asked how it would work as a fundraiser. Ann said that we can sell the bags with a little profit. That raised the question of how the MRC would be able to receive the money. *Alan Clark volunteered to contact Don Hunger at the NWSF to see if we could receive the money through the NWSF. Ann said she will bring more information to the next meeting.*

Ioana Bociu informed the members that the USACE is working on a nearshore programmatic to expedite bulkhead and dock projects. Part of it will include a section for mitigation. She proposed that the MRC looked into how we could work with project proponents to provide mitigation options. The programmatic is still under development so there isn't much information about it but we will know more about it around May or June.

Tim Cochnauer told the members that the March Issue of the National Geographic had a very good article about recycling of marine debris.

Public Comment

None

Adjourn

The meeting ended at 7:50 pm.

REVISED MEETING AGENDA

March 16, 2020

5:30 p.m. – 6:45 p.m.

WebEx Meeting



For more information about the MRC, please contact Cathy Lear at (360) 417-2361 or Helle Andersen at (360) 417-2416.

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

5:35 Public Comment/Approval of Minutes

5:40 2019-20 Budget Amendment

The members will decide where the \$4,200 from oil spill preparedness task will be moved. See attached information.

6:00 Review of Current Projects

In preparation for the upcoming proposal to the NWSC the members will review the current list of projects. Project proposals and updated budget for the second funding year are due April 10th to the Commission. See attached information.

6:20 NWSC Update

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

6:25 Project Updates

2020 Internship Program: The subcommittee (Ed Bowlby, Jeff Ward, Alan Clark, Arnold Schouten and Tim Cochnauer) will provide an update of the program.

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

6:30 Good of the Order

Chico Bags: Ann Soule will ask the members to decide if they want to make the bags and use them as a fundraiser.

6:35 Public Comment

6:40 Adjourn

Clallam MRC March meeting

Monday, March 16, 2020

5:30 pm | (UTC-07:00) Pacific Time (US & Canada) | 1 hr 15 mins

Meeting number (access code): 804 737 420

Meeting password: SalishS3@

[Join meeting](#)

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[+1-206-207-1700](#) United States Toll (Seattle)

2020 Meetings

April 20

May 18

June 15

July 20

August 17

September 21

October 19

November 16

December 21

[Global call-in numbers](#)

Toll Free

+1-855-929-3239

[Can't join the meeting?](#)

2020 Meetings

April 20
May 18
June 15

July 20
August 17
September 21

October 19
November 16
December 21

CLALLAM COUNTY

MARINE RESOURCES COMMITTEE

Minutes

Date: Monday, March 24, 2020

Time: 5:30 – 6:45 pm

Location: WebEx – the meeting agenda was reduced in scope and conducted online due to Covid-19

Minutes prepared by Helle Andersen

Members present:

P = Present E= Excused

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

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

Ioana Bociu, Academia alternate; Harold Kline, District III alternate; Lucas Hart, NWSC Executive Director; Sasha Horst, NWSC Project Manager; Helle Andersen, Clallam MRC Project Coordinator.

Call to Order/Introductions/ Changes to Agenda

None

Public Comment/Approval of Minutes

The February minutes were approved.

2019-20 Budget Amendment

The members went through the different tasks and projects funded by the NWSC 2019-20 grant and approved the revised budget as shown below.

During the discussion the members talked about different ways to engage the public during Covid-19. Suggestions included webinars, making short videos to be shown at local TV stations, inviting small groups of the public to join us at our field monitoring events. A good example of the field events would be a beach walk to the pigeon guillemot monitoring sites. Jeff Ward and Alan Clark suggested using some of the money for the kelp monitoring project to purchase a GoPro or similar underwater camera to make short videos of organisms utilizing kelp beds.

Task	Submitted Budget for the 2019-20 NWSC Grant		Proposed Revised Budget for the 2019-20 NWSC Grant		
	Description	Budget	Description	Budget	Budget Details and Assumptions
1	Administration		Administration	\$500	Add the remaining funds to this category to give us flexibility to cover additional travel and participation in conferences and meetings
	Total for Administration	\$70,850	Total for Administration	\$71,350	
2	Monitoring		Monitoring		
	Kelp	\$600	Kelp	\$1,922	Add \$550 for an extra day of motorized survey + \$772 for GoPro
	Pigeon guillemot	\$400	Pigeon guillemot	\$400	
	Shellfish biotoxin	\$100	Shellfish biotoxin	\$100	
	Forage fish	\$100	Forage fish	\$100	
	Total for Monitoring	\$1,200	Total for Monitoring	\$2,522	
3	Oil Spill Preparedness		Oil Spill Preparedness	\$400	Room rental for an event (example PAYC)
	Total for Oil Spill Preparedness	\$4,200	Total for Oil Spill Preparedness	\$400	
4	Outreach and Education		Outreach and Education		
	Internship	\$6,210	Internship	\$10,603	Covers 150 hr video intern, four 80 hr interns and one 45 hr intern (the other 45 hr is covered by NWSF NOAA marine debris grant)
	Other educational outreach activities	\$4,140	Other educational outreach activities	\$1,500	Keeping \$1,500 in this category to cover other educational outreach activities
			Booth at festivals	\$25	The Maritime Festival is June 13-14, 2020 estimated cost for booth is \$20-25; The Dungeness Crab Festival is Oct. 9-11, 2020 - since we are not selling anything it should be free; Even if there was a fee we cannot include the cost of a booth in the 2019-20 budget. Application due date 4/1/20
			Emergent issues	\$200	Add this category to the budget to cover climate change and other tasks
	Crab Pot Outreach	\$0	Crab Pot Outreach	\$0	
	Transboundary Outreach	\$0	Transboundary Outreach	\$0	
	Marine Debris Removal	\$0	Marine Debris Removal	\$0	
	Elwha Beach Stewardship	\$2,400	Elwha Beach Stewardship	\$2,400	
		Total for Outreach and Education	\$12,750	Total for Outreach and Education	\$14,728
5	Olympia Oyster Restoration		Olympia Oyster Restoration		
	Jamestown contract	\$2,000	Jamestown contract		
	Total for Olympia Oyster Restoration	\$2,000	Total for Olympia Oyster Restoration	\$2,000	Keeping the same
	TOTAL PROJECT COST	\$91,000	TOTAL PROJECT COST	\$91,000	

Review of Current Projects

In preparation for the submittal of 2020-21 project proposals and updated budget April 10th the members went through the current projects and discussed any revisions/additions for the next year. Most of the tasks/projects remained the same except for the Education & Outreach Task. Under this task the members decided to add participation in other festivals such as the Celebration of Science & Technology, the Maritime Festival, and Dungeness Crab Festival and to add a subtask covering climate change and other emergent issues. The Clallam MRC will continue outreach to recreational crabbers after the NWSF grant ends in 2020/ They also decided to leave the transboundary outreach in the proposal thinking that oil spill preparedness and Olympia oyster restoration may be good topics for the transboundary outreach. Marine debris removal was removed as a subtask in 2019, but the members decided to reinstate it and consider other ways than Earth Day and International Cleanup Day to address the issue.

Task	2019-20 Projects	Proposed 2020-21 Projects
	Description	Description
1	Administration	Administration
2	Monitoring	Monitoring
	Kelp	Kelp
	Pigeon guillemot	Pigeon guillemot
	Shellfish biotoxin	Shellfish biotoxin

Task	2019-20 Projects	Proposed 2020-21 Projects
	Description	Description
	Forage fish	Forage fish
3	Oil Spill Preparedness	Oil Spill Preparedness
4	Outreach and Education	Outreach and Education
	Internship	Internship
	Other educational outreach activities	Other educational outreach activities
	Dungeness River Festival	Dungeness River Festival
		Add other festivals such as Celebration of S&T, Maritime and Dungeness Crab Festivals.
	Ocean Science Program	Ocean Science Program
		Climate change and other emergent issues
	Crab Pot Outreach	Continue the effort after the educational outreach part of the NWSF NOAA grant ends in 2020.
	Transboundary Outreach	leave in - oil spill, Olympia oyster projects
	Marine Debris Removal	leave in
Elwha Beach Stewardship	Elwha Beach Stewardship	
5	Olympia Oyster Restoration	Olympia Oyster Restoration

NWSC Update

Alan Clark asked Lucas Hart to give the update. Lucas informed the members that the Washington Day-on-the-Hill event has been postponed until the fall. The Salish Sea Ecosystem conference has been cancelled and numerous other meetings and events, such as the MRC retreat, have been postponed. As Department of Ecology employees the NWSC has been encouraged to work from home, avoid groups greater than 10 people, and follow the cleaning and sanitary advice given by the department. Alan added that many of the meetings such as the recent kelp monitoring meeting is being conducted online.

Project Updates

2020 Internship Program: Ed Bowlby as a representative for the subcommittee told the members about the interview process for the video internship last week. Three candidates were interviewed and they were all well qualified. Two of the candidates advocated a team approach instead of a single intern. After the interviews it was decided that Helle Andersen should reach out to Patric McInnes to get his opinion on the following three questions: do you agree that the production of the 2-3 videos would be better if it is carried out by a team of two students? We do not have the funds to pay two students for 150 hours each but we do have funds for paying two students for 100 hours each – would that be enough for making 2-3 videos? Finally, who of the three students would make a better team of two? Helle informed the members that Patric provided answers to the three questions today and the subcommittee will decide which of the two paths to take. Helle also informed the members that on March 25th four candidates will be interviewed for the Green Crab Internship with the Makah Tribe and on April 2nd two candidates will be interviewed for the Smolt Trap Internship with the Lower Elwha Tribe.

Climate Change Subcommittee: Ann Soule gave an update on the effort to reach out to the three county commissioners. The subcommittee has developed a set of good talking points based on the 2015

Climate Change Preparedness Plan which provides a variety of recommendations on how to address climate change on the peninsula. Three-four MRC members will meet with Mark Ozias first to discuss the talking points, but also to talk about how he can approach the two other commissioners to promote county-wide activities. The meeting is tentatively set for this week. Lucas Hart applauded the effort and asked about the other two commissioners' viewpoint on climate change. The members agreed that one is interested but the other one is not and Mark needs to approach the topic in a way it doesn't get confrontational.

Good of the Order

Chico Bags: Ann Soule informed the members that Helle Andersen cannot work on the Chico Bag project at all because she is funded by State and Federal money. A MRC member can do it or we can try to reach out to Feiro to see if they would be interested in partnering on the project. Ann doesn't know about what Feiro's potential fee would be, but she thinks it is a good idea since no other organization in Clallam County is currently selling Chico Bags. Sasha Horst asked if the NWSF staff could spearhead the project. Ann thought that they are too distant to make it work. *The members agreed that it would be a good idea if Ann reached out to Feiro to see if they are interested in partnering on the project.*

Public Comment

None

Adjourn

The meeting ended at 6:50 pm.

MEETING AGENDA
April 20, 2020
5:30 p.m. – 7:00 p.m.



For more information about the MRC, please contact Cathy Lear at (360) 417-2361 or Helle Andersen at (360) 417-2416.

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

5:35 Public Comment/Approval of Minutes

5:40 Introduction of Video and Spring Interns

The five interns will introduce themselves to the members.

5:55 2020 Internship and Fellowship Programs

The subcommittee (Ed Bowlby, Jeff Ward, Alan Clark and Tim Cochnauer) will provide an update of the two programs and how the Fellowship Program came about. See attached revised NWSC budget.

6:10 Outreach to Recreational Crabbers

What will the members want to do this year under COVID-19? Review and decide on Port Angeles Harbor crabbing map (attached).

6:35 2020 Clallam MRC Workshops

This topic is on the agenda to keep the members abreast of suggested workshops for 2020 and to receive input from the members. Because of COVID-19 and the upcoming summer these workshops should probably be planned for August or later in the year. Proposed workshops are: 1) deep-handshake partnership workshop and 2) small workshops across the Olympic Peninsula focused on OA impacts to Treaty resources. Maybe Clallam and Jefferson MRCs could collaborate on these workshops and invite the local tribes. Anything we can do right now?

6:45 NWSC Update

Alan Clark will provide an update on current NWSC topics.

6:50 Project Updates

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

Clallam MRC Booth at Festivals: Helle Andersen will inform the members of upcoming festivals.

6:55 Good of the Order

6:58 Public Comment

7:00 Adjourn

2020 Meetings

	July 20	October 19
May 18	August 17	November 16
June 15	September 21	December 21

Clallam MRC Meeting

Monday, April 20, 2020

5:30 pm | (UTC-07:00) Pacific Time (US & Canada) | 1 hr 30 mins

Meeting number (access code): 282 303 455

Meeting password: Qi7d6VYwrE2

[Join meeting](#)

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Tap to call in from a mobile device (attendees only)

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Toll Free

+1-855-929-3239

2020 Meetings

May 18
June 15

July 20
August 17
September 21

October 19
November 16
December 21

CLALLAM  COUNTY
MARINE RESOURCES COMMITTEE

Minutes

Date: Monday, April 20, 2020

Time: 5:30 – 7:00 pm

Location: WebEx – the meeting agenda was reduced in scope and conducted online due to Covid-19

Minutes prepared by Helle Andersen

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	E Mike Doherty	Greig Arnold	LEKT Open Position
P Lyn Muench	P Alan Clark	P Ed Bowlby	P Latrisha Suggs	T&C Open Position

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

Harold Kline, District III Alternate; Ioana Bociu, Academia alternate; Sasha Horst, NWSC Project Manager; Helle Andersen, Clallam MRC Project Coordinator.

Call to Order/Introductions/ Changes to Agenda

None

Public Comment/Approval of Minutes

The March minutes were approved.

Introduction of Video and Spring Interns

Three of the five spring interns, Anika Avelino, Malleck Braun and Tyler Diltz, called into the meeting and presented themselves. Anika is a high school senior at Port Townsend High School, and also a full-time running start student at Peninsula College. Next year she plans to attend Western Washington University with the majority of the classes taken through the Huxley College of the Environment. Anika has already worked with salmon - as a 5th grader raising/monitoring salmon eggs to be released into the Quilcene River, and as a 8th grader volunteering for salmon surveys through the North Olympic Salmon Coalition. It is her personal goal to work with salmon at each stage of the cycle in addition to preserving its habitat, so the smolt trap internship is a perfect match.

Malleck and Tyler are Port Angeles High School students and both have been taking classes in video production taught by Patric McInnis. These two students were two of three students recommended by Patric for the video internship. Following the introductions there was a short discussion of how to proceed with the first video – an introduction to the Clallam MRC. It was agreed upon that Malleck and Tyler should produce a draft story board and then provide it to the members.

2020 Internship and Fellowship Programs

Ed Bowlby provided a brief summary of the interview and hiring process for the three internships: green crab catch and removal with Makah Tribe, Tumwater Creek smolt trap with the Lower Elwha Tribe, and the video internship. This year all the applicants were highly qualified and the selection process was difficult. The Internship Subcommittee decided to hire an intern living in Neah Bay for the green crab internship to ensure that the intern could work with Adrienne as soon as the stay-at-home order was lifted on the reservation. The committee decided to hire two video interns to facilitate a team effort and the two only applicants for the smolt trap internship were so good that it was decided to hire them both. Tim Cochnauer, as one of the smolt trap mentors, interjected that he had reached out to WDFW to see if Anika could help out on the trap in Snow Creek (to avoid the long drive to Tumwater Creek). Unfortunately, the trap on Snow Creek has been closed down because of Covid-19.

Jeff Ward provided a brief summary of how the Clallam MRC Fellowship came about. In the 2019-20 budget a sum of money was set aside to hire a County temporary employee to help out in the busy summer season. Because of Covid-19 the County instated a hiring freeze in early April. So the Internship Subcommittee decided to create a Fellowship Program and run it through Feiro Marine Life Center similar to the internship program. The hourly rate will be the same as for the planned County hire (\$20/hr) but the number of hours will be less (60 hours per month instead of 79 hours). The reason for this is less educational outreach and other efforts done by the MRC (so less work for the hired person) due to Covid-19. Alisa Taylor, the kelp monitoring intern in 2019, has been contacted for the position and she is interested.

During the discussion of funds Helle Andersen pointed out that the Clallam MRC has funds not earmarked for any specific task/item both in the Admin task and the Educational Outreach task. She mentioned that Sasha Horst from the NWSC has suggested purchasing a laptop for the Clallam MRC for some of the funds. Another useful item would be a laminator. *The members supported both purchases and it was decided that Helle should get a quote for a laptop and email it out to the members for approval.* Another suggestion for spending the additional funds was to increase the number of hours for the 2020 interns.

Outreach to Recreational Crabbers

Helle Andersen provided an introduction to the topic, outreach to recreational crabbers in Port Angeles Harbor, and the evolution of the current draft crabbing map. The problem is that despite contamination and high risks of entanglement and high traffic a lot of people crab in Port Angeles Harbor. This sparked a long discussion about what map would best convey DOH's restricted crabbing guidelines for the harbor, contamination in the harbor and the risks of entanglement and high traffic areas. In the end it was decided to table the decision for an in-person MRC meeting. The interim solution could be to include the DOH restricted crabbing guidelines with the crabber outreach kits to be distributed to stores selling crab pots this summer.

2020 Clallam MRC Workshops

Two workshops have been proposed by the Clallam MRC members: 1) deep-handshake partnership workshop and 2) small workshops across the Olympic Peninsula focused on OA impacts to Treaty resources. Maybe Clallam and Jefferson MRCs could collaborate on these workshops and invite the local tribes. The members were asked if there is anything the MRC could do right now under Covid-19. The answer was no.

NWSC Update

Alan Clark provided an update on NWSC news. The MRC Conference in November 2020 has been cancelled due to Covid-19 and limited funds. The seven MRCs have been impacted in different ways. Island MRC has been shut down completely and other MRCs hold meetings online but conduct no fieldwork. In place of the MRC Symposium the NWSC has proposed to have a MRC Virtual Symposium series which would include online meetings twice a month. Each MRC would host a symposium. The first virtual symposium will be hosted by Jefferson MRC and Dana Oster this week. Robert Knapp has raised the question if the work the Climate Change Subcommittee has done could be the topic of the symposium hosted by Clallam MRC. The members thought that the symposium could be formatted as a round-table discussion but the members questioned if we could fill the proposed allotted time of 1.5 hours. Finally, Alan informed the members that Clallam MRC has to present on one of our projects on a NWSC meeting either in May or June. The meeting will be online.

Project Updates

Climate Change Subcommittee: Ann Soule and Jeff Ward provided a brief update. Because of Covid-19 the meeting with Mark Ozias is on hold. At the meeting Ann and Jeff had planned to discuss climate

change talking points and how Mark can approach the two other commissioners to promote county-wide activities.

Clallam MRC Booth at Festivals: Helle Andersen informed the members that the Maritime Festival in June has been cancelled and that she has submitted an application for a booth in the Dungeness Crab Festival in October. She has not received any information from the Dungeness Crab Festival.

Good of the Order

Ed Bowlby informed the members that the forage fish sampling had been cancelled for the month of April due to Covid-19 and that future sampling is a work in progress. Ed was asked if the pigeon guillemot surveys will be conducted this summer and he was still planning on leading the effort. Lyn Muech asked if the volunteers would need a special permission now that all County parks are closed. *It was decided that Helle Andersen should contact Clallam County Parks and ask for permission to access the monitoring sites in County parks for the pigeon guillemot and kelp bed projects.*

Jeff Ward recommended that the members on Facebook read the posts by Mark Ozias. Jeff thought that the Covid-19 information provided by Mark was very good.

Robert Knapp reminded the members that the Virtual Salish Sea Conference is taking place April 22 and 23. The online conference is free.

Public Comment

None

Adjourn

The meeting ended at 7:00 pm.

MEETING AGENDA
May 18, 2020
5:30 p.m. – 7:00 p.m.



BlueJeans Web Meeting



or more information about the MRC, please contact Cathy Lear at (360) 417-2361 or Helle Andersen at (360) 417-2416.

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

5:35 Public Comment/Approval of Minutes

5:40 Review and Comments to MRC Video Story Board

Tyler and Malleck will present their first preliminary draft for the video about the Clallam MRC. The members will have the opportunity to provide feedback.

5:55 MRC Virtual Symposium June 4th

Because of the Covid-19 stay-at-home order the NWSC has initiated a series of short virtual symposiums online. Each symposium is led by an MRC and Clallam MRC's climate change subcommittee has agreed to lead the symposium June 4th. Ann Soule will summarize the current plan and ask for input from the members.

6:20 2020 Clallam MRC Fellowship

Introduction of the 2020 Fellow.

6:25 Election of Clallam MRC Officials

The annual election of the Chair, Vice-Chair and NWSC Representative.

6:40 Coast Guard Request

The Clallam MRC has been contacted by the Coast Guard about possible volunteer opportunities for approximately 10 of the Coast Guard crew. The members will discuss volunteer possibilities.

6:45 NWSC Update

Alan Clark will provide an update on current NWSC topics (see attached information).

6:50 Activity Updates

Shellfish Biotxin: Bob Vreeland will inform the members about the current status of the project.

Smolt Trap Internships: Time Cochnauer will provide a summary of the smolt trap effort and internships.

Forage Fish Surveys: Ed Bowlby will provide a summary of the current efforts.

Climate Change: Jeff Ward will provide a summary of the subcommittee's efforts.

6:55 Good of the Order

6:58 Public Comment

7:00 Adjourn

2020 Meetings

June 15

July 20

August 17

September 21

October 19

November 16

December 21

CLALLAM  COUNTY
MARINE RESOURCES COMMITTEE

Minutes

Date: Monday, May 18, 2020

Time: 5:30 – 7:00 pm

Location: BlueJeans – the meeting agenda was reduced in scope and conducted online due to Covid-19

Minutes prepared by Helle Andersen

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	Greig Arnold	LEKT Open Position
P Lyn Muench	P Alan Clark	P Ed Bowlby	E Latrisha Suggs	T&C Open Position

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

Harold Kline, District III Alternate; Ioana Bociu, Academia alternate; Dana Oster, NWSC Marine Program Manager; Chris Burns, Jamestown Alternate; Helle Andersen, Clallam MRC Project Coordinator.

Call to Order/Introductions/ Changes to Agenda

None

Public Comment/Approval of Minutes

The April minutes were approved.

Review and Comments to MRC Video Story Board

Unfortunately the two video interns did not call into the meeting, so Ed Bowlby, Jeff Ward and Helle Andersen provided a brief summary of the internships. All subcommittee members were impressed during the interview process, however it has proven a little harder getting them started. The first approach was to ask them to write a story board of the first video introducing the Clallam MRC. It appeared that they were not comfortable with that so the next approach has been to get them out into the field to film. They visited the smolt trap on Tumwater Creek with the two smolt trap interns and they went out to Point Williams with Ed to film pigeon guillemot at several of the survey sites along that bluff. Next they will be going on a trip out west visiting and filming at Elwha Beach, Freshwater Bay, Pillar Point, and Clallam Bay.

MRC Virtual Symposium June 4th

Ann Soule informed the members that all the MRCs are now signed up to do a symposium and Clallam MRC will hold our symposium June 4th. The topic for the symposium is engaging with elected officials on current topics such as climate change. The Clallam MRC subcommittee working on the symposium includes Ann Soule, Jeff Ward, Lyn Muench, Alan Clark, Cathy Lear and Ed Bowlby. Robert Knapp also contributed slides for our use. The plan is that the subcommittee gives a 20-minute presentation/lead in to the topic and then open the symposium for the participants to answer a number of questions developed by the committee. Ann shared the questions and asked for input by the end of the week via email. Questions 1) How important is the advisory role to your MRC? 2) Does your MRC have tools that have been effective? Have you tried anything that was not successful? 3) Does County commissioners/councils seek your input/assistance regularly or sporadically and if so how often? 4) Does an individual MRC member conduct the liaison work or is it a group effort? Do other community groups assist with the effectiveness of your advisory role? 5) Any other advisory role advice or comments?

As climate change was part of the symposium update Jeff Ward provided a brief summary of the process of the climate change subcommittee. The group will meet with Mark Ozias on June 2nd to talk about how Clallam MRC can support climate change adaptation in the county and how to promote what the county

is already doing. In preparation to the meeting the group has looked at the Climate Change Adaptation report published in 2015. In the appendix of the report there are a list of recommended actions to be taken. Several of the recommended actions the Clallam MRC is already doing such as identifying sensitive habitats in case of an oil spill event. Alan Clark added that this is a lot of process and is likely a multiple year effort. Ann pointed out that the label “advisory group” is a loaded term and the group just plans to share what the Clallam MRC knows as a multidisciplinary body. Alan stated that we need to work with senior staff at the county level on issues such as net pens and shellfish culturing to establish a connection.

2020 Clallam MRC Fellowship

The Clallam MRC received two applications for the Fellowship submitted by Alisa Taylor and Kennedy Cameron; both applicants are old MRC interns and well qualified for the position. The subcommittee is currently deciding which candidate should be hired.

Helle Andersen informed the members that the planned summer green crab/crabber outreach internship has been cancelled due to Covid-19 and she questioned the attractiveness of the proposed pigeon guillemot internship. In its current format the tasks the intern will be doing are primarily administrative tasks such as data entry and keeping track of volunteers. She proposed that these tasks be a part of the fellowship workload as this person will be more mature and therefore more likely able to perform these tasks without supervision and administrative tasks were part of the fellowship job announcement. Ed Bowlby stated that he thought both options would work; but he emphasized that he needs the help. After a short discussion of upcoming workload the members decided to include the tasks under the fellowship and then wait and see if the MRC should hire more help later in the season.

Electron of Clallam MRC Officials

Bob Vreeland and Robert Knapp were elected as chair and vice-chair and Alan Clark as the NWSC representative.

Coast Guard Request

The members discussed possible projects for the ten Coast Guard volunteers. Bob Vreeland suggested that they help with the carbon footprint project by entering data from the City of Port Angeles. Bob is in charge of the data entries associated with water and waste water. Another possibility was volunteering on the pigeon guillemot project. Ed Bowlby informed the members that the volunteers had to take the online training which will be available in the near future. *It was decided that Helle Andersen should contact Kelly Yost, the volunteer coordinator at the Coast Guard and offer up these two possibilities.*

NWSC Update

Alan Clark gave a brief summary of the NWSC meeting. Senator Liz Lovelett provided an update on two bills enacted in the Washington State Legislature’s 2020 session: Antifouling paints on recreational water vessels (SB 6210) and Derelict Vessel Bill (SB 6528). Senator Lovelett is focused on three additional areas: carbon pricing and low carbon fuel standards, hybridize and electrify the ferry system, and land use planning. The Executive Committee recommended that the Commission host presentations on hatcheries and pinnipeds, two key focus areas of the Billy Frank Jr. Salmon Coalition, to better understand their importance to salmon restoration and treaty rights. NWSC Staff are organizing MRC project presentations to the Commission for the May and June meetings. Alan will present for Clallam MRC about the internship program.

The NWSF has closed the Opportunity Fund. Foundation leadership reported that the organization is changing their approach to seeking funding for individual projects that MRCs want to take on. The Foundation is working with Commission staff to develop a unified training program for kayak safety training for kelp monitoring. The training will be online. The Foundation is working on a presentation

about the Shore Friendly project and the second Salish Sea Fresh video. They are also considering developing a video series for the crabber outreach program.

Activity Updates

Shellfish Biotoxin: Bob Vreeland told the members that the shellfish collection is now up and running. Last Tuesday he did the first sampling and he will continue to collect every other Tuesday through September. The clams are sent to Seattle for laboratory analysis.

Smolt Trap Internships: Tim Cochnauer provided a brief summary of the smolt trap internships. The two interns jumped into the project with a good attitude. Besides staffing the trap on Tumwater Creek twice a week the interns have visited traps on Little River, Seibert Creek and Matriotti Creek with staff from Lower Elwha and Jamestown Tribes.

Forage Fish Surveys: Ed Bowlby told the members that the sampling is back on track after being cancelled for the month of April due to Covid-19. Tim Cochnauer, Alan Clark and Ed sampled Cline Spit keeping correct social distance and Tim and his wife processed the sample. The sampling effort will continue as long as the county parks remain open to the public. Tim interjected that Kathe Smith, Helle Andersen and he collected samples at two locations on Ediz Hook in May.

Pigeon Guillemot Surveys: Ed Bowlby informed the members that the pigeon guillemot project will commence June 7. Required online volunteer training will be available shortly.

Good of the Order

Jeff Ward informed the members that he has drafted a Covid-19 field safety protocol which is currently being reviewed by Clallam County Department of Environmental Health. As soon as it has been approved Jeff will distribute it among the MRC members and volunteers working in the field.

Helle Andersen informed the members that the oil spill subcommittee has decided to move the oil spill preparedness task under the education and outreach task for the NWSC grant period 2020-21. The reasons for this are that the HAZWOPER training provided by WDFW, Ecology and others moved to Vancouver, WA and the subcommittee questioned the usefulness of offering the oiled wildlife training by itself. Arnold Schouten would like a discussion among the members in an in-person meeting. Jeff Ward suggested waiting and see how the oil spill training offered in Snohomish this fall works out. The members approved moving the oil spill preparedness task under the education and outreach task for the 2020-21 grant cycle.

Nicole Harris from OCMNS has contacted the MRC to ask if the members would be interested in partnering on a virtual event around a screening of The Story of Plastics. During the week of June 15, 2020-June 19, 2020 free viewing will be offered of the movie. In combination with that the third annual Rethink will take place which will offer numerous short videos for viewing online. On June 19th, there will be an online trivia night for participants to attend. Questions will be related to the videos posted and there will be a prize for the winners! Nicole also mentioned that there would be a panel discussion and that OCMNS were looking for suitable panel members. The members supported the event but none of them were sure that they could be a panel member. *Helle Andersen was tasked with following up with Nicole.*

Robert Knapp reminded the members that the Virtual Whatcom Symposium takes place May 21 at 3:30 pm.

Public Comment

None

Adjourn

The meeting ended at 7:00 pm.

MEETING AGENDA
June 15, 2020
5:30 p.m. – 7:00 p.m.



For more information about the MRC, please contact Cathy Lear at (360) 417-2361 or Helle Andersen at (360) 417-2416.

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

5:35 Public Comment/Approval of Minutes

5:40 MRC Virtual Symposium June 4th

Ann Soule, Jeff Ward and other from the climate change subcommittee will provide a summary of the Clallam MRC virtual symposium held June 4th. The Subcommittee members will also provide a summary of the meeting with Mark Ozias.

6:05 Fellowship Program

Introduction of Alisa Taylor. The member will be informed about her primary tasks and ask if they have additional tasks.

6:10 Video Internships

The members will review and comment on the draft story board/topic list for the first video about the MRC.

6:25 Covid-19 Healthy and Safety Plan for Field Work

Jeff Ward will present the new field safety plan focused to address the issues associated with Covid-19 and working on MRC projects in the field.

6:30 NWSC Update

Alan Clark will provide an update on current NWSC topics.

6:40 July and August MRC Meeting

The members will discuss how/where to hold the next two MRC meetings if the county goes to Phase III - still online, outside or indoors. What are the members comfortable with? The August meeting is the Intern Celebration which is usually held at Feiro Marine Life Center's classroom.

6:45 Project Updates

Smolt Trap Internships: Time Cochnauer will provide a summary of the smolt trap effort and internships.

Pigeon Guillemot Surveys: Ed Bowlby will provide a summary of the current efforts.

6:55 Good of the Order

6:58 Public Comment

7:00 Adjourn

2020 Meetings

July 20

October 19

August 17

November 16

September 21

December 21

Zoom Call-In Information

Topic: Clallam MRC Meeting

Time: Jun 15, 2020 05:30 PM Pacific Time (US and Canada)

Join Zoom Meeting

<https://zoom.us/j/92625158012?pwd=eEJrUW5MZ2xwemVGWEduSjF6TGxodz09>

Meeting ID: 926 2515 8012

Password: 307545

833 548 0276 US Toll-free

833 548 0282 US Toll-free

877 853 5257 US Toll-free

888 475 4499 US Toll-free

2020 Meetings

July 20

August 17

September 21

October 19

November 16

December 21

CLALLAM COUNTY

MARINE RESOURCES COMMITTEE

Minutes

Date: Monday, June 15, 2020

Time: 5:30 – 7:00 pm

Location: Zoom – the meeting agenda was reduced in scope and conducted online due to Covid-19

Minutes prepared by Helle Andersen

Members present:

P = Present E= Excused

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

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

Harold Kline, District III Alternate; Ioana Bociu, Academia alternate; Chris Burns, Jamestown Alternate; Alisa Taylor, Clallam MRC Fellow; Cathy Lear, Clallam MRC Coordinator; Dan Stahler, OPAS and resident; Helle Andersen, Clallam MRC Project Coordinator.

Call to Order/Introductions/ Changes to Agenda

Cathy Lear mentioned that Mary Ellen Winborn, DCD Director, has suggested that the MRC provide a presentation or workshop for DCD staff on one of our projects such as the kelp monitoring or Olympia oyster restoration. She thinks that they will be a receptive audience. Harold Kline suggested that maybe our Fellow could participate in the presentation/workshop. Lyn Muench pointed out that it has to be done professionally.

Public Comment/Approval of Minutes

The May minutes were approved as amended.

MRC Virtual Symposium June 4th

Jeff Ward informed the members about the Clallam MRC symposium and the meeting with Mark Ozias. The symposium was number four of a series of symposiums produced by the seven MRCs. Cathy Lear provided a very good introduction to the Clallam MRC, Ann Soule followed by describing our approach to engaging Mark Ozias and then the symposium was open for all participants to answer five questions: 1) How important is an advisory role for County/City elected officials OR senior staff to your MRC? 2) Does your MRC have tools that have been effective? Have you tried anything that was not successful? 3) Do they seek your input/assistance regularly or sporadically, and if so how often? 4) Does an individual MRC member conduct the liaison work or is it a group effort? Do other community groups assist with the effectiveness of your advisory role? And 5) Any other advice? A couple of lessons learned were that Snohomish, San Juan and Island MRC have a strong role as an advisory body, other MRCs don't; and it is important to go get in front of the county commissioners on a topic. After the symposium the NWSC had the participant answer a survey (attached to these minutes).

The meeting with Mark Ozias went well. At the beginning of the meeting Jeff provided a brief summary of the retreat in the fall 2019 and how climate change was identified as the most important topic for the Clallam MRC. However, based on questions from Mark Ozias the conversation covered all major topics coming out of the retreat including oil spill preparedness, shoreline development and educational outreach. Jeff really liked the way Mark phrased educational outreach to the younger generation "it is not our world but theirs." Several action items came out of the meeting including data sharing with the county staff, inclusion of Mary Ellen Winborn, Director of the Department of Community Development, in the conversations, and planning for a meeting between the other two commissioners and the MRC. Alan

Clark, Ed Bowlby and Lyn Muench all thought that the meeting went very well. Ed stated that Mark Ozias was impressed with the knowledge present within the MRC members. Lyn informed the members that the subcommittee is currently working on outreach to Randy Johnson. Jeff mentioned that Dana Oster had suggested leading with a dialogue - not an issue. Get to know your commissioners. Jeff also stressed that the MRC should pay attention to the grant the NODC has received as a follow-up on the grant supporting the 2015 report. *Jeff requested that Helle Andersen or Cathy Lear provide a summary of the NODC grant to the members.*

Fellowship Program

Helle Andersen introduced Alisa Taylor as the new MRC Fellow. Alisa was the kelp monitoring intern in 2019. Alisa spoke briefly about her excitement of being hired and how she looks forward to continue working on the kelp monitoring project but also help out on a number of other MRC projects. Before the meeting Helle had emailed the members a list of tasks for the fellowship and asked if the members had anything to add. The tasks include working on all aspects of the kelp monitoring project, help out with data entry and datasheets compilation for the pigeon guillemot, assist with the two Olympia oyster population surveys, assist with any educational outreach event including crabber outreach and finally assist with admin tasks such as keeping the Facebook page current..

Video Internships

The members discussed the draft topic list which the two interns had provided. Arnold Schouten was concerned about the duration of the video – reduced from the originally 4-5 minutes proposed by the members to about 3-3.5 minutes by the interns. Arnold was also concerned about the number of projects to be covered in the shorter time. Helle Andersen asked the members how they want to end the video and Alan Clark thought ending with a statement about if the viewer wants more information or would like to volunteer to go to our website or contact the MRC (provide contact information). Ed Bowlby stressed that we should end on a positive note by, for example, stating the that the viewer by participating could make a difference in Clallam County.

Covid-19 Health and Safety Plan for Field Work

Jeff Ward summarized the efforts going into writing the Covid-19 Health and Safety Plan. Jeff first looked at the guidance provided for landscaping and Sea Grant green crab safety plan since these plans covered similar field activities. Then Jeff received input from Ed Bowlby, Alan Clark, NWSC and Frances Wood based on Island MRC pigeon guillemot work. The current final version was approved by Andy Brastad from CCEH. Jeff has later received guidelines for fishing trips from WDFW and he was thinking that we should incorporate that into the Health and Safety Plan before the kelp monitoring boat surveys. Ed Bowlby and Harold Kline thanked Jeff for his efforts and suggested showing it to other organizations. Mike Doherty suggested sharing it with the NWSC and the tribes. Jeff stated that Dana Oster will be sharing the plan with the other MRCs.

NWSC Update

Alan Clark gave a brief summary of the NWSC meeting. The Executive Committee has postponed the joint executive committee meeting until August. All meetings that were previously planned to be in-person will be held via WebEx due to COVID-19 guidance and the meetings will be reduced to 3 hours. The External Relations Committee is tracking Washington Senate races. The Science Advisory Committee continues to work on the Actions to Impacts project. Cecilia Gobin reported that the Northwest Indian Fisheries Commission signed onto the Puget Sound Kelp Recovery and Conservation Plan vision statement. The NWIFC is updating the State of the Watersheds report to reflect what has happened since 2016. The Puget Sound Day on the Hill has been converted to a virtual event. Next event will be Friday June 19th; members interested in joining should email Alan. The Foundation secured funding to continue their shoreline monitoring work for the next two years. The planned Orca Forum will be held online. During the NWSC meeting four MRCs presented their projects. The projects were

Snohomish- Snohomish Estuary pilings project, Whatcom – North Sounds Stewards, Skagit – Pinto abalone restoration and Clallam – Internship program.

July and August MRC Meeting

Helle Andersen asked the members how/where they want to conduct the July and August meetings if the county goes into phase 3 under the Covid-19 response. The members quickly agreed on having the July meeting online. They also agreed to try to find an outdoor venue for the August meeting which is the Intern Celebration. Suggestions included the City Pier, the County Fairground, Dungeness River Audubon Center, one of Jamestown’s conservation areas and the field next to Dungeness Hatchery. Cathy Lear offered up her canopy and Helle Andersen pointed out that the MRC has two booth tents. *Helle will inform Melissa Williams at Feiro Marine Life Center that the MRC will not be using the classroom as planned for the Intern Celebration.*

Activity Updates

Smolt Trap Internships: Tim Cochnauer provided a brief summary of the smolt trap internships. The trapping effort is now over and the trap has been dismantled. Less Coho was captured this year compared to last year; good Coho runs are often seen every other year. Helle Andersen added that next tasks for the interns include identifying their individual projects for the Intern Celebration, performing an outfall survey of the lower 1 mile for the City of Port Angeles, and assisting Jamestown tribe with a snorkel survey in the end of July. .

Forage Fish Surveys: Tim Cochnauer told the members that sampling was conducted at Cline Spit June 10th and samples will be collected at two locations on Ediz Hook June 24th. Tim added that the sample from Cline Spit contained lots of eggs. Alan Clark mentioned that during the field effort the crew talked with a couple of crabbers about forage fish sampling, Jamestown oyster project and the kelp monitoring project and that Tim had suggested that we somehow track these conversations as they are educational outreach to the community. The members thought this was a great idea and mentioned that we could be handing out our business cards during these interactions.

Pigeon Guillemot Surveys: Ed Bowlby informed the members that the pigeon guillemot surveys are now in their second week of monitoring. About 30 volunteers from the MRC, OPAS and local residents are conducting the surveys. New volunteers are teamed up with old volunteers. All sites have been visited. The project will continue the next 10 weeks.

Good of the Order

None

Public Comment

None

Adjourn

The meeting ended at 6:55 pm.

MEETING AGENDA
July 20, 2020
5:30 p.m. – 7:00 p.m.



For more information about the MRC, please contact Cathy Lear at (360) 417-2361 or Helle Andersen at (360) 417-2416.

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

5:35 Public Comment/Approval of Minutes

5:40 Puget Sound Kelp Conservation and Recovery Plan

Dana Oster, NWSC Marine Program Manager, will talk about the conservation and recovery plan which was published in May 2020.

6:20 Clallam MRC Kelp Monitoring Plan for 2020

Alan Clark, Jeff Ward and Alisa Taylor will inform the members about their 2020 monitoring plan which will include motorized boat surveys.

6:30 Educational Outreach to Boys & Girls Club

The members will discuss different ideas to provide educational outreach to 275 students in Port Angeles Boys & Girls Club. Because of Covid-19 the Clallam MRC has unspent funds under the Education & Outreach Task. The members will vote on the amount to be spent on the outreach effort.

6:40 NWSC Update

Alan Clark will provide an update on current NWSC topics.

6:45 Project Updates

Internship Program: Members of the subcommittee will provide a summary of the different internships.

Pigeon Guillemot Surveys: Ed Bowlby will provide a summary of the current efforts.

Forage Fish Monitoring: Ed Bowlby and Tim Cochnauer will provide a summary of the sampling efforts.

Crabber Outreach: Helle Andersen will give a brief summary of the outreach effort and ask the members if additional materials should be purchased to continue the effort in 2020..

6:55 Good of the Order

6:58 Public Comment

7:00 Adjourn

2020 Meetings

	October 19
August 17	November 16
September 21	December 21

Join Zoom Meeting

<https://zoom.us/j/97761566420?pwd=emtNNTVsazRtelZYUZVUnFUZkROQT09>

Meeting ID: 977 6156 6420

Password: 349030

833 548 0276 US Toll-free

833 548 0282 US Toll-free

877 853 5257 US Toll-free

888 475 4499 US Toll-free

2020 Meetings

August 17
September 21

October 19
November 16
December 21

CLALLAM  COUNTY
MARINE RESOURCES COMMITTEE

Minutes

Date: Monday, July 20, 2020

Time: 5:30 – 7:00 pm

Location: Zoom – the meeting agenda was reduced in scope and conducted online due to Covid-19

Minutes prepared by Helle Andersen

Members present:

P = Present E= Excused

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

Alternates present:

P Harold Kline	P Chris Burns	Lance Vail
P Ioana Bociu		Navarra Carr

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

Alisa Taylor, Clallam MRC Fellow; Cathy Lear, Clallam MRC Coordinator; Dan Stahler, OPAS and resident; Nessa Goldman, resident; Helle Andersen, Clallam MRC Project Coordinator.

Call to Order/Introductions/ Changes to Agenda

None

Public Comment/Approval of Minutes

The June minutes were approved. Ann Soule asked the members if they also had heard that the Chinook run this year is really bad. She asked if it was caused by higher temperature. Tim Cochnauer stated that the temperature is higher but not high enough to form a “blob”; He suggested that the Chinook run may just be running late.

Puget Sound Kelp Conservation and Recovery Plan

Dana Oster, NWSM Marine Program Manager, informed the members about the conservation and recovery plan which was published in May 2020. In NOAA’s Rockfish Recovery Plan kelp beds were identified as vital for young of the year. So in 2017 funding was provided to create a recovery plan for kelp and the NWSI was selected as the lead. In 2018-19 the team worked on understanding the science behind kelp and performed a gap analysis and in 2019-20 the team prioritized the knowledge gaps and created an action plan. Actions identified in the plan address six strategic goals: 1. Understand and reduce kelp stressors; 2. Deepen understanding of the value of kelp to Puget Sound ecosystems and integrate into management; 3. Describe kelp distribution and trends; 4. Designate kelp protected areas; 5. Restore kelp forests; and 6. Promote awareness, engagement, and action from user groups, tribes, the public, and decision-makers. The team also created a vision statement (quite long so not included here) and 17 tribes, state, federal and non-profit entities have signed on to the vision statement. The presentation was followed by a Q&A session. To a question on how the stressors will be addressed Dana said that right now more research is needed. Another question was about the commercial use of kelp. Dana informed the members that they have received a lot of feedback about kelp agriculture and a lot of support. Permits may be a complicated issue and kelp agriculture may not help with restoration of natural kelp beds. To a question of whether kelp has been or would be included on list of threatened and endangered species Dana said probably not.

Clallam MRC Kelp Monitoring Plan for 2020

Alan Clark, Jeff Ward and Alisa Taylor informed the members about their 2020 monitoring plan. Alan has identified an interested skipper with a boat to do motorized surveys in the Dungeness Bay area. The first year they will create a baseline including presence/absence of bull and giant kelp. Jeff said that they will use the first year as a pilot study to figure out the value of spatial mapping. They expect to cover a lot of ground. They will be using the newly acquired GoPro camera and the HOBO temperature sensors. Changes in the Strait of Juan de Fuca will probably be related to climate change. Alisa showed a compilation of kelp data for Clallam Bay collected by DNR during 27 years. The data shows big changes in the distribution of bull and giant kelp from year to year. Tim Cochnauer asked if the changes could be related to changes in substrate. Alan thought that may be a good possibility. Ann Soule asked about the peak time for kelp beds and Alan stated that in South Puget Sound the kelp beds become sparse by the end of August whereas the beds in the Strait are thick into September. Dana Oster pointed out the importance of providing the county with consistent data of the kelp beds to be included in future revision of the Shoreline Master Plan.

Educational Outreach to Boys & Girls Club

Helle Andersen informed the members about the educational outreach to 275 students at the Port Angeles Boys & Girls Club. SeaDoc Society has kindly donates 275 copies of the book Explore the Salish Sea; the Clallam MRC will augment the donation with an activity book, crayons etc. The members decided that the staff could spend up to \$2,000 on the outreach package. The members also discussed other educational outreach ideas under Covid-19 restrictions including purchase of microscopes.

NWSC Update

Alan Clark gave a brief summary of the NWSC meeting. The Executive Committee has postponed the joint executive committee meeting. All meetings will be held via WebEx due to COVID-19 guidance and the meetings will be reduced to 3 hours. Because of the three hour meetings the time for the MRC reports will be shorter (Katie will email a new reporting template to staff). The External Relations Committee is focused on enhancing the NWSC's partnership with local tribes. The Science Advisory Committee will have an in-person meeting in the San Juan Islands.

Activity Updates

Internship Program: Tim Cochnauer provided a brief summary of the smolt trap internships. The trap has been dismantled. The two interns along with Rebecca Paradis from LEKT and the two mentors performed a survey of the outfalls in the lower 1 mile of the creek. The survey included WQ measurements of the water discharged from the outfalls. The observations and WQ data have been given to the City of Port Angeles. The final field task will be a snorkel survey of the Dungeness River supervised by Chris Burns.

Pigeon Guillemot Surveys: Ed Bowlby informed the members that the pigeon guillemot surveys are going well. Alisa Taylor has received a short training online and is now entering the survey data into the database.

Forage Fish Surveys: Tim Cochnauer told the members that forage fish sampling is ongoing and up-to-date. In the last sample from Cline Spit there were more eggs than sand.

Crabber Outreach: Helle Andersen asked the members if the outreach effort to recreational crabbers should be continued or halted because of Covid-19 and the cessation in outreach through the NOAA Marine Debris Grant. The members supported carrying on with the outreach effort through retail stores and purchase the necessary supplies.

Climate Change Committee: Ann Soule told the members that Susanne Shull in collaboration with Clallam MRC are planning to offer a webinar in Sound IQ to county staff. Following a brief discussion it

was decided to reach out to City of Port Angeles and Sequim to see if their staff would be interested as well.

Good of the Order

Nessa Goldman, a school teacher and local resident, told the members about her plan to offer two teacher workshops focusing on “how to get kids to do outside field investigation.” She was hoping that members of Clallam MRC would be interested in participating in the 90 minute virtual workshops and share their research. The workshops are planned for last week of September and first week of October. Ed Bowlby and Tim Cochnauer expressed interest in the workshops. Nessa also asked if the Clallam MRC would be interested in funding the clock hours for the teachers. *The members decided that Helle Andersen should talk with Sasha Horst about this possibility.*

Public Comment

None

Adjourn

The meeting ended at 7:15 pm.

INTERN CELEBRATION

August 17, 2020

5:00 p.m. – 6:30 p.m.

Zoom Meeting



For more information about the MRC, please contact Cathy Lear at (360) 417-2361 or Helle Andersen at (360) 417-2416.

5:00 Welcome by Chair Bob Vreeland

5:05 PowerPoint Introduction to This Year's Interns

5:10 Showing Draft MRC Video

Interns Tyler Diltz and Malleck Braun introduce and show the draft video about the Clallam MRC. The showing will be followed by a Q&A.

5:20 Green Crab Capture and Removal Project

Angelina Woods 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.

5:35 Tumwater Creek Smolt Trap Project

Anika Avelino and Alissa Lofstrom will jointly present on the Tumwater Creek smolt trap project. The presentation will be followed by Q&A.

6:00 Call To Order / Introductions/ Changes to Agenda

6:05 Public Comment/Approval of Minutes

6:10 2020 Budget

Helle Andersen will inform the members on the current status of the 2020 budget.

6:15 NWSC Update

Alan Clark will provide an update on current NWSC topics.

6:20 Project Updates

Climate Change Committee: Ann Soule will provide an update of the current efforts.

Pigeon Guillemot Surveys: Ed Bowlby will provide a summary of the current efforts.

Forage Fish Monitoring: Ed Bowlby and Tim Cochnauer will provide a summary of the sampling efforts.

Educational Outreach: Helle Andersen will inform the members about the outreach to B&GC.

6:25 Good of the Order

6:28 Public Comment

6:30 Adjourn

2020 Meetings

September 21

November 16

October 19

December 21

Intern Celebration

Time: Aug 17, 2020 05:00 PM Pacific Time (US and Canada)

Join Zoom Meeting

<https://zoom.us/j/95350520679?pwd=ZTZFcTR3dJlQnM3YW5QN2s3ZWhBZz09>

Meeting ID: 953 5052 0679

Passcode: 488285

833 548 0282 US Toll-free

877 853 5257 US Toll-free

888 475 4499 US Toll-free

833 548 0276 US Toll-free

2020 Meetings

September 21
October 19

November 16
December 21

CLALLAM COUNTY

MARINE RESOURCES COMMITTEE

Minutes

Date: Monday, August 17, 2020

Time: 5:00 – 7:00 pm

Location: Zoom – Intern Celebration followed by a short MRC meeting.

Minutes prepared by Helle Andersen

Members present:

P = Present E= Excused

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

Alternates present:

P Harold Kline	Chris Burns	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; Helle Andersen, Clallam MRC Project Coordinator.

Intern Celebration

Chair Bob Vreeland welcomed 34 MRC members and local residents to the online event. Following Bob’s remarks was a short PowerPoint Presentation by Helle Andersen summarizing this year’s internship program and introducing the newly established fellowship program. Next the first draft video produced by interns Tyler Diltz and Malleck Braun was shown. Angelina Woods presented on the green crab capture and removal project in Neah Bay. She was followed by Alissa Lofstrom and Anika Avelino who spoke about the smolt trap project on Tumwater Creek. The Intern Celebration ended with comments and questions from the audience and a wish that the event in 2021 will be in-person at Feiro Marine Life Center.

Call to Order/Introductions/ Changes to Agenda

None

Public Comment/Approval of Minutes

The July minutes were approved.

NWSC Update

In order to save time Alan Clark said he would email the members a brief update about the activities in the NWSC.

Activity Updates

Climate Change Committee: Lyn Muench informed the members that four Clallam MRC members met with Commissioner Randy Johnson to discuss climate change impacts and adaptation strategies. Lyn described the meeting as interesting, enjoyable and productive. Ed Bowlby added that Randy Johnson was interested in climate change, but he pointed out that currently the commissioners are focused on dealing with Covid-19. Alan Clark said that after the upcoming meeting with Commissioner Bill Peach the subcommittee will strategies on next steps. *Lyn said she will share her notes from the meeting with the MRC members.*

Pigeon Guillemot Surveys: Ed Bowlby informed the members that last week was the end of the 10-week survey period. Breeding activities at most sites have ended with only a few sites still active (before a site is closed the birds have to be inactive for 2 weeks).

Forage Fish Surveys: Tim Cochnauer told the members that forage fish sampling is ongoing and up-to-date. Helle Andersen added that the WDFW lab is once again accepting samples after the Covid-19 closure and the samples that Lucas Hart had stored have been turned over to the lab. The samples collected since May are still in the MRC's possession and will be delivered to Lucas Hart later in August.

Educational Outreach: Helle Andersen informed the members that the 275 packages have been compiled and will be distributed to students at Boys & Girls Club in Port Angeles in the week of August 17th. Any remaining packages will be given to B&GC students in Sequim.

Good of the Order

Lyn Muench stated that the two Olympia oyster population surveys were successfully completed in early August. Survival and growth were recorded but a more accurately report will be submitted by Liz Tobin. Tim agreed with Lyn that the participants had "fun in the mud."

Public Comment

Mike Doherty told the members that the Makah tribe is looking to fill the vacant tribal seat. Several of the tribal members and employees participated in today's Intern Celebration.

Adjourn

The meeting ended at 6:45 pm.

MEETING AGENDA
September 21, 2020
5:30 p.m. – 7:00 p.m.



Zoom Meeting

For more information about the MRC, please contact Cathy Lear at (360) 417-2361 or Helle Andersen at (360) 417-2416.

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

5:35 Public Comment/Approval of Minutes

5:40 Member Discussion of the Clallam MRC 2020-21 Budget

Helle Andersen will initiate the discussion by a brief summary of the funding sources and amounts for the upcoming fiscal year. Sasha Horst will share information on allowable uses of current state/federal funds, and provide examples of how other MRCs have been funding larger tasks/projects.

6:10 Clallam MRC Educational Outreach Plan 2020-21

The members will identify the goals and activities that the MRC will undertake in 2020-21 to interact with the local community, including how each activity will be evaluated. The plan is a deliverable to the NWSC October 30, 2020.

6:40 NWSC Update

Alan Clark will provide an update on current NWSC topics.

6:45 Project Updates

Climate Change: The subcommittee will provide a summary of the meeting with Bill Peach.

Internship Program: The subcommittee and MRC members will provide an assessment of the 2020 internship program.

Shellfish Biotoxin: Bob Vreeland will provide a summary of the 2020 effort.

Pigeon Guillemot: Ed Bowlby will provide a summary of the 2020 effort.

6:55 Good of the Order

6:58 Public Comment

7:00 Adjourn

Join Zoom Meeting

<https://zoom.us/j/92150684986?pwd=bU9BMndPR3VOS21CdFQ2UUhiM0F2Zz09>

Meeting ID: 921 5068 4986

Passcode: 736871

877 853 5257 US Toll-free

888 475 4499 US Toll-free

833 548 0276 US Toll-free

833 548 0282 US Toll-free

CLALLAM COUNTY

MARINE RESOURCES COMMITTEE

Minutes

Date: Monday, September 21, 2020
 Time: 5:30 – 7:00 pm
 Location: Zoom meeting.
 Minutes prepared by Helle Andersen

Members present:

P = Present E= Excused

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

Alternates present:

P Harold Kline	Chris Burns	P Lance Vail
P Ioana Bociu	Navarra Carr	

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

Sasha Horst, NWSC Operation Manager; Alisa Taylor, Clallam MRC Fellow; Alisa Hasbrouck, City of Sequim employee; Cathy Lear, Clallam MRC Coordinator; Helle Andersen, Clallam MRC Project Coordinator.

Call to Order/Introductions/ Changes to Agenda

Under introduction Ann Soule introduced Alisa Hasbrouck as the new alternate for City of Sequim. Ed Bowlby added change in leadership for the forage fish project and Helle Andersen added two topics under Good of the Order – new applicants to the MRC and the Fellowship Program.

Public Comment/Approval of Minutes

The August minutes were approved.

Member Discussion of the Clallam MRC 2020-21 Budget

Helle Andersen initiated the discussion by a brief summary of the funding sources and amounts for the upcoming fiscal year. Then Sasha Horst shared a handout summarizing information about allowable uses of current state/federal funds, and provided examples of how other MRCs have been funding larger tasks/projects. The handout is attached to these minutes.

Clallam MRC Educational Outreach Plan 2020-21

The members discussed the educational outreach activities that the MRC will undertake in 2020-21 to interact with the local community. Many of the members came up with ideas how to perform outreach to the community under Covid-19. The ideas are summarized in the attached draft 2020-21 educational outreach plan. *The final 2020-21 educational outreach plan will be on the October agenda for approval by the members before the delivery due date of October 30, 2020 to the NWSC.*

NWSC Update

Alan Clark provided a brief update on the NWSC. The commission is currently working with Kate Elliott from Maul, Foster and Alongi on a communication plan. The plan will, among other topics, clarify the difference between the NWSC and NWSF to elected officials and other interested parties. The NWSI 101 presentation usually offered at the annual MRC conference explains the difference, but as all know this conference will not take place in 2020. The commission was also wondering how many people are interested in hearing about the history of the NWSI. Most people focus on the field projects and the best

interaction with community members often happens in the field. For this purpose a “elevator speech” has been developed. The commission will continue working on this plan for a while.

A high number of the European green crab has been caught in Drayton Harbor, Whatcom County, and the commission is discussing how to engage the community.

Nicole Naar, Ph.D. candidate at UC Davis, gave a presentation on kelp agriculture. Agriculture of kelp offers a lot of benefits but also some drawback such as introduction of non-native species which could outcompete native species.

At the end Alan offered to speak with anybody interested in hearing more about the topics the commission is working on.

Activity Updates

Climate Change: Ann Soule informed the members that the subcommittee has met with the three commissioners. After the last meeting Lyn Muench provided the following notes.

CMRC Actions recommended:

Ozias:

Connect with County staff to help them find local data, and how to interpret, to help the BOOC and support staff make better decisions.

Engage with the North Olympic Peninsula Development Council.

Johnson:

Add an economist or a businessman to CMRC, someone who could rate alternatives, given limited resources. (Our idea- ask one to serve as an advisor rather than an official member required to attend all meetings.)

Reach out to the entire business community.

Peach: Expand our youth education

Look at DNR Climate Change proposal

County Climate Change Baseline Data

Johnson:

They use the EPA Baseline. County staff member Rich Myer is working on it (pre-Covid)

Peach:

The County needs a clearer baseline – it is not consolidated – on which to base County policy. Science is needed. He does not like the EPA model; it includes correlation factors he does not support.

Issues of interest mentioned:

Ozias

- shoreline development
- plastics and toxics in the ocean
- oil transshipment along the Strait
- Educational outreach – youth and public, training future stewards

Johnson

- ranking alternative climate change actions
- recycling
- Water shortage (fresh)
- Education – of youth and public education.

Peach

- Youth programs – expand to younger age. Senior projects. Seek volunteer help (Lions Club)
- Transportation from West End (climate impacts as well as cost)
- Kelp (importance for fish)

- Aquaculture of algae

The subcommittee will be to look at the overlap of the recommendations from the commissioners and decide on the next steps.

After the summary Bob Vreeland informed the members that he is on the panel reviewing two proposals the City of Port Angeles have received regarding carbon footprint data collection. The City of Port Angeles will make a decision in October

Internship Program: The subcommittee and MRC members had no comments to the internship program.

Shellfish Biotoxin: Bob Vreeland informed the members that the last sampling effort in September will be carried out next week. The sampling effort will end unless Bob is told by CCEH to continue sampling in October.

Pigeon Guillemot: Ed Bowlby provided a summary but unfortunately because of poor WIFI connection Helle Andersen (the note taker) could not hear his summary.

Good of the Order

Transfer of forage fish leadership role – Ed Bowlby informed the members that Tim Cochnauer is taking on the role as MRC member lead on the forage fish project. Tim was advocating for the MRC to buy a microscope so that the Clallam MRC can process our samples.

New MRC applicants – Helle Andersen informed the members that the MRC has received two new applications. Earlier in the meeting Ann Soule had introduced Alisa Hasbrouck as the new alternate for the City of Sequim. The other applicant was Ann Stafford and after a short discussion the members decided to offer her the position representing Tourism & Recreation. *Helle will inform Ann and start getting her through the county process.*

Fellowship Program – Helle Andersen informed the members that the fellowship will end September 30th and she thanked Alisa Taylor for all her work. Alan Clark and Ed Bowlby also thanked her and mentioned that it would be nice if the MRC could extend the fellowship. Alisa told the members that she had very much enjoyed being the MRC Fellow and she was open to extending the contract. A short discussion followed and the members approved an extension of the fellowship. *Helle Andersen will look at the 2020-21 budget and write a job description including number of hours for extending the fellowship through the fall and winter months. Approval of the fellowship extension will be on the October agenda.*

Mike Doherty told the members that Jeff Ward, Ed Bowlby and he participated in the first of two oil spill preparedness workshops offered by DOE and Snohomish County. The first workshop covered numerous topics including types of oil and impacts of oil to the environment. *Mike thinks both workshops will be taped and he will share the links once they become available.*

Tim Cochnauer informed the members that Ed Bowlby and he have been talking with Nessa Goldman, the Sequim teacher who has participated in a few MRC meetings earlier this year. Ed and Tim will be involved with developing her online curriculum for middle school students.

Public Comment

None

Adjourn

The meeting ended at 7:15 pm.

MEETING AGENDA
October 19, 2020
5:30 p.m. – 7:10 p.m.



For more information about the MRC, please contact Cathy Lear at (360) 417-2361 or Helle Andersen at (360) 417-2416.

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

5:35 Public Comment/Approval of Minutes

5:40 Kelp Agriculture

Nicole Naar, Ph.D. candidate at UC Davis, will give presentation on kelp agriculture. At the recent meetings with the three Commissioners one of them suggested that the MRC hosted an online forum about kelp aquaculture, in a fashion similar to the OA and Orca forums. This presentation will provide the members with some background information. If possible, another speaker against kelp agriculture will be identified and invited to present at a later MRC meeting.

6:10 Power of Kelp

Showing of the video funded by Puget Sound Restoration Fund, Washington Sea Grant, and the Nereus Foundation.

6:16 Clallam MRC Motorized Kelp Surveys

Alan Clark, Jeff Ward and Alisa Taylor will provide a summary of the first motorized kelp surveys performed using the NWSC new protocol.

6:30 Clallam MRC Educational Outreach Plan 2020-21

The members will discuss and vote on the Educational Outreach Plan. The plan is a deliverable to the NWSC October 30, 2020.

6:40 Forage Fish Sampling

Tim Cochnauer will provide an update of the sampling efforts and the members will discuss the possibilities of processing the samples including purchasing a dissecting microscope.

6:45 MRC Map Making Capability

On several occasions the Clallam MRC desire for making maps has been stalled because of lack of access to ArcGIS. Helle Andersen will inform the members about the cost and possibilities for acquiring this access and the members will discuss making this purchase.

6:50 0NWSC Update

Alan Clark will provide an update on current NWSC topics.

6:55 Project Updates

Climate Change: The subcommittee will provide an update.

7:00 Good of the Order

7:05 Public Comments

7:10 Adjourn

Topic: Clallam MRC Meeting

Time: Oct 19, 2020 05:30 PM Pacific Time (US and Canada)

Join Zoom Meeting

<https://zoom.us/j/96548017872?pwd=TmFVa2RDZjLVkp6TUISQ1A0UE9kZz09>

Meeting ID: 965 4801 7872

Passcode: 877371

833 548 0276 US Toll-free

833 548 0282 US Toll-free

877 853 5257 US Toll-free

888 475 4499 US Toll-free

CLALLAM COUNTY

MARINE RESOURCES COMMITTEE

Minutes

Date: Monday, October 19, 2020
 Time: 5:30 – 7:10 pm
 Location: Zoom meeting.
 Minutes prepared by Helle Andersen

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	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:

Harold Kline	P Chris Burns	P Lance Vail
Ioana Bociu	Navarra Carr	P Alisa Hasbrouck

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

Nicole Naar, Ph.D. candidate at UC Davis and Washington Sea Grant employee; Jason recording for Alisa Taylor, Clallam MRC Fellow; Cathy Lear, Clallam MRC Coordinator; Helle Andersen, Clallam MRC Project Coordinator.

Call to Order/Introductions/ Changes to Agenda

Two topics were added under Good of the Order – Shared Waters and NWSF’s Orca Forum. The presentation on the motorized kelp surveys was postponed because of Alisa Taylor had a family emergency.

Public Comment/Approval of Minutes

The September minutes were approved.

Kelp Agriculture

Nicole Naar, Ph.D. candidate at UC Davis, gave an excellent presentation for kelp agriculture; a new “industry” in the Salish Sea. Numerous topics were covered in the presentation including reasons for cultivating kelp, challenges, opportunities provided by kelp agriculture, and potential impacts from kelp agriculture. After the presentation the members posed several questions and comments. After the presentation the film “the power of kelp” was going to be shared. Unfortunately, problems with the audio precluded the showing and the members and Nicole used the time to discuss kelp agriculture in the Salish Sea.

Clallam MRC Motorized Kelp Surveys

The topic was postponed to the November meeting.

Clallam MRC Educational Outreach Plan 2020-21

The members had a final discussion of the draft final educational outreach plan, which had been emailed to the members the week prior to the meeting. Part of the discussion was how to track outcomes of educational events such as online Trivia or quizzes. The members pointed out that adding this on would be an additional event in itself and Lyn Muench suggested we try using our Facebook page or other social media for feedback for community residents. Alan Clark suggested that the Clallam MRC starts tracking conversations with the public when we are out in the field. One way to increase the awareness about the MRC would be to add a QR code to the pigeon guillemot signage at Port Williams. *Helle Andersen promised to email directions on how to create a QR code to Ed Bowlby.* The educational outreach events were ranked based on input from the members and the final plan will state that the

members will focus on the first 8 events and that in case Covid-19 restrictions are lifted the Clallam MRC will staff booth at festivals. The members approved the educational outreach plan.

Forage Fish Sampling

Tim Cochnauer told the members that the monthly sampling had been conducted at Ediz Hook. The sampling at Cline Spit will take place on October 28th and Lisa Hillier from WDFW will join the team to offer training for new volunteers and a refresher training for old volunteers. Helle Andersen mentioned that she, through Facebook, has used the upcoming event to recruit new volunteers. Tim also brought up the possibility of processing the samples instead of sending them to the WDFW lab in Olympia. If this was to happen he proposed that Clallam MRC purchases a microscope and a monitor. In previous meetings when this had been discussed the roadblock had been the access to a fumehood. Tim asked if the fumehood was a WDFW requirement and said that he will ensure this topic was discussed with Lisa on October 28th.

MRC Map Making Capability

Helle Andersen informed the members about the increased mapping needs of Clallam MRC and how to address this with the increased staff capacity through Alisa Taylor's Fellowship. In talking with Sasha Horst the easiest way to gain access to ArcGIS is to buy a one year license and place the program on Alisa's computer. The MRC members approved spending \$100 for the purchase of a one-year ArcGIS license and place it on Alisa's computer.

NWSC Update

Alan Clark provided a brief update on the NWSC. As all the members know the MRC conference, usually held in November each year, was cancelled back in April. Instead the NWSC will be hosting several online presentations. At the next NWSC meeting October 29th (10 am – 1 pm) Ken Currens and Adrian Spidel from the Northwest Indian Fisheries Commission will give a presentation on hatcheries. Another presentation on whale watching is currently on-hold until the extended comments period has passed. The NWSC has completed a brief document summarizing the "elevator speech." *The document will be sent out to the members.* Finally a memorandum of understanding detailing the roles and responsibilities of the NWSC and the NWSF has been completed and *Alan will email it to the members before the next meeting.*

Activity Updates

Climate Change: Ann Soule informed the members that the subcommittee met online on September 29th and during that meeting identified priority action items. The action items include meeting with the NW Development Council; facilitate a better connection to businesses and the Port of Port Angeles; keep the conversation going about kelp agriculture and maybe host a forum; reach out and connect with folks on the west end; and follow up on the greenhouse gas inventory for the county.

Good of the Order

Shared Waters - Ed Bowlby participated in the 2-day event which focused on oil spills. It was an interesting event with participation from numerous tribes. An online link to the events will be available later. Ed pointed out that the event took 8 hours over the two days so quite a time commitment.

Orca Forum – Cathy Lear informed the members about the forum hosted by NWSF. The forum included three presentations: Rich Osborne gave a general overview of Orcas; Dr. Jacques White, Long Live the Kings, talks about the salmon populations in the Salish Sea; and Dr. Deborah Giles, Wild Orcas and UW Center for Conservation Biology, talks about what scat can tell us about the health of whales and the use of scat detection dogs. The forum is available here <https://www.youtube.com/watch?v=z9XoyYmCb-k>

Public Comment

None

Adjourn

The meeting ended at 7:17 pm.

MEETING AGENDA
November 16, 2020
5:30 p.m. – 7:00 p.m.



Zoom Meeting

For more information about the MRC, please contact Cathy Lear at (360) 417-2361 or Helle Andersen at (360) 417-2416.

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

5:35 Public Comment/Approval of Minutes

5:40 Clallam MRC Motorized Kelp Surveys

Alan Clark, Jeff Ward and Alisa Taylor will provide a summary of the first motorized kelp surveys performed using the NWSC new protocol.

6:00 Kelp Forum

Alan Clark and Jeff Ward will lead a discussion about hosting a kelp forum. A subcommittee will be formed, if a decision is made to carry forward with the forum.

6:15 2021 Clallam MRC Work Plan

The members will discuss the 2021 draft workplan (attached to the agenda). The plan is due January 11, 2021 to the NWSC. Depending on whether the Clallam MRC will hold a December meeting (see other agenda item) the plan will be finalized on the December meeting or by email.

6:25 Virtual River Festival

Powell from the Dungeness River Festival has reached out to festival organizations asking if we would be interested in participating in a virtual river festival. Lyn Muench will lead the discussion and the members will decide if the Clallam MRC should participate.

6:30 December and January Meetings

The members will decide if they want to have a meeting December 21st and when to hold the January meeting (January 11th or 24st).

6:35 Joint MRC Meeting?

The members will discuss if they would like to have an online meeting with the other MRCs. NWSC is encouraging joint MRC meetings and it is now easier since all meetings are online. Part of the discussion will be the topic(s) and format of the joint meeting.

6:40 NWSC Update

Alan Clark will provide an update on current NWSC topics.

6:45 Project Updates

Climate Change: The subcommittee will provide an update.

Forage Fish: Tim Cochnauer will provide an update including the option of purchasing a tablet.

6:50 Good of the Order

6:55 Public Comments

7:00 Adjourn

2021 Meetings

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

Topic: Nov. MRC Meeting

Time: Nov 16, 2020 05:30 PM Pacific Time (US and Canada)

Join Zoom Meeting

<https://zoom.us/j/94301826300?pwd=bTZuQWI0dHFoclJmU1VxTGJmOE1pdz09>

Meeting ID: 943 0182 6300

Passcode: 275195

833 548 0276 US Toll-free

833 548 0282 US Toll-free

877 853 5257 US Toll-free

888 475 4499 US Toll-free

2021 Meetings

January TBD

April 19

July 19

October 18

February TBD

May 17

August 16

November 15

March 22

June 21

September 20

December 20

CLALLAM COUNTY

MARINE RESOURCES COMMITTEE

Minutes

Date: Monday, November 16, 2020
 Time: 5:30 – 7:00 pm
 Location: Zoom meeting.
 Minutes prepared by Helle Andersen

Members present:

P = Present E= Excused

Bob Vreeland	P Robert Knapp	E Arnold Schouten	P Tim Cochnauer	Jesse Waknitz
P Ann Soule	P Jeff Ward	P Mike Doherty	E 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	Chris Burns	Lance Vail
P Ioana Bociu	Navarra Carr	P Alisa Hasbrouck

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

Dana Oster, NWSC Project Manager; Alisa Taylor, Clallam MRC Fellow; Cathy Lear, Clallam MRC Coordinator; Helle Andersen, Clallam MRC Project Coordinator.

Call to Order/Introductions/ Changes to Agenda

Three topics were added under Good of the Order – OSS letter, Innerspace Exploration crab pot removal project in Sequim Bay, and crabber outreach map for Port Angeles Harbor.

Public Comment/Approval of Minutes

The October minutes were approved.

Clallam MRC Motorized Kelp Surveys

Alisa Taylor led the presentation of the Clallam MRC 2020 kelp monitoring project. The presentation began with the kayak-based surveys of the three kelp beds and compared this year’s kelp distribution with previous years. Alisa also showed some of the beautiful underwater pictures which were taken with the newly purchased GoPro camera. Next she talked about the motorized kelp surveys. The crew, which included Alan Clark, Jeff Ward, Alisa Taylor and skipper Michael Blanton, conducted three surveys covering an area from Dungeness Bay to just east of the mouth of Lyre River. During the surveys they cruised slowly along the coastline and recorded the locations where kelp beds were present or absent using a handheld GPS unit. In addition to the presence/absence data, the crew recorded qualitative observations such as density, depth, species distribution, and overall health of the kelp, and took notes of any animals observed in and around the kelp beds. The kelp looked healthy and vibrant this summer, and the crew was surprised to find a few individual bull kelp growing at depths of up to 70 feet; much deeper than expected. The crew also noted that *Macrocystis* (giant kelp) was not observed in the eastern section of the survey area. At the end of the presentation Alisa mentioned possible revisions to the current protocol and the possibility of including additional tasks in the 2021 season such as cover more ground (maybe the whole coastline along the Strait of Juan de Fuca), water quality measurements, and plankton sampling with the additional space for a motorized pump. After the presentation Alan commented that it became obvious to the survey crew that the kelp beds are connected to the riparian zone and upland inputs to the shoreline impacts the kelp beds. He also thought that the motorized surveys could provide a great baseline and maybe the goal should be to conduct them every 3-4 years along the Strait of Juan de Fuca. Jeff Ward thought it was interesting and a good approach to use several tools to investigate the same topic (e.g. aerial photos, motorized surveys and kayak-based surveys). Ed Bowlby asked if DNR is still doing their aerial surveys. Dana Oster confirmed this and

pointed out that it takes a lot of time to process the data. Arnold Schouten asked about a temperature comparison between the Strait and Puget Sound. Dana stated that in south Puget Sound the temperature reaches 15C (or more) whereas in the Strait the temperature is less than 14C. Ioana Bociu supported the idea of measurement water quality and asked the members what parameters they were thinking of. The list included pH, DO and salinity. *She offered to look into the cost of YSI sensors and estimated that the cost would range between \$1-2K.*

Kelp Forum

Jeff Ward explained to the members how the Kelp Forum idea had morphed into a Kelp Webinar Series idea based on conversations with Dana Oster and Tom Mumford. The key reason for this was to provide the community with an understanding of the resource before bringing up kelp agriculture. The first proposed webinar would be Kelp 101 to provide an overview covering the “what, where and why.” Tom Mumford has agreed to be the presenter for the Kelp 101 webinar. The webinar is tentatively scheduled for January or February 2021. *Ed Bowlby and Ann Stafford offered to help out with the effort.*

Clallam MRC Work Plan 2020-21

Helle Andersen went through the listed project primary and secondary leads. All members agreed with the workplan and the plan was approved as amended.

Virtual River Festival

Lyn Muench asked if the members would be interested in having the MRC participate in the virtual river festival. The Dungeness River Center is currently working on the script and messaging of the video. During a 5-minute footage each participating group will be asked three questions. The first question will be something along the lines of, “What does your organization do to help our watershed, or protect salmon?” This gives the organization an opportunity to talk about what they do. Next will be an activity that the organization normally would do at the river festival or maybe something new. The last question everyone will be asked will be based on stewardship. “What can I do to help your mission?” “What advice do you have for someone who wants to help salmon and protect clean water?” or something similar. The response does not necessarily even have to be something directly related to your organization, but can be more personal. The members supported to continue explore the possibility of participating in the virtual river festival. *Ann Soul and Tim Cochnauer volunteered to work with Lyn to identify ideas for the MRC section of the video.*

December and January Meetings

The members decided to cancel the December 21st meeting and move the January meeting to January 11th.

Joint MRC Meeting

The members were interested in participating in joint MRC meetings both virtual and when permitted in-person meetings. One member suggested that we reach out to the North Pacific Coast MRC and Jefferson MRC to have a joint MRC meeting with all MRCs on the North Olympic Peninsula.

NWSC Update

Alan Clark provided a brief update on the NWSC. At the October meeting Representative Lekanoff welcomed the participants and emphasized her passion for marine issues. She also mentioned her work on a carbon bill. The three NWSC committees gave a report along with Northwest Indian Fishery Commission and Puget Sound Partnership. Dana Oster received an award from Department of Ecology for all her kelp work. Ken Currens and Adrian Spidle, NWIFC, provided a very interesting presentation on hatcheries in Washington State. One focus of hatchery work is, through genetics, to make the salmon stocks responsive and resilient to climate change. They also discussed problems with capital improvements and monitoring.

Activity Updates

Climate Change: Ann Soule shared the compiled notes from the subcommittee's meetings with the three commissioners (attached to these minutes). In the coming months the climate subcommittee (Ann Soule, Lyn Muench, Alan Clark, Ed Bowlby, Cathy Lear, Bob Vreeland, and Mike Doherty) plans to 1) Meet with DCD Director Winborn to get her input and ask what else we can do beside the SoundIQ training; 2) Reach out to Karen Affeld at NODC regarding climate action planning grant; 3) Respond to DNR; and 4) Meet with Rich Meier to clarify GHG inventory tools being considered by County staff. Numerous other tasks were identified during the meetings with the commissioners and it is the subcommittee's hope that other MRC members will take on these tasks. One of these tasks was reaching out to the business community and Arnold Schouten agreed to help out.

Forage Fish Sampling: Tim Cochnauer provided a brief update. In October six MRC volunteers and staff took the forage fish training provided by Lisa Hillier. The training was carried out at Cline Spit. One big change is that the MRC is now submitting the data electronically. Tim had also reviewed laboratory data of 250 samples collected in the last 5 years at 20 different sites along the Strait of Juan de Fuca. Overall, forage fish eggs had been observed at very few sites. These sites included Dungeness Spit, Clallam Bay Beach, Ediz Hook, John Wayne Marina, lower Elwha beach and Cline Spit. Of all of these sites the most forage fish eggs by far had been observed at Cline Spit. Because the data is now submitted electronically (via an app) Alisa had looked into different tablets that the MRC could purchase. Alisa summarized the different options and asked the members if they could identify other projects where the tablet could be used. Arnold Schouten pointed out that water resistance was an important factor when selecting a tablet and several members supported the idea of buying a more expensive (and better) tablet. *It was decided that Alisa should look into water resistance tables and provide the information to the members via email. The members would then decide which tablet to purchase (also via email).*

Good of the Order

OSS Letter - the members approved to submit the support letter for funding of the CCEH Onsite Septic Systems program. *Helle Andersen to submit the letter before the Clallam County Board of Health meeting Tuesday Nov. 17th.*

Innerspace Exploration – the members decided to collaborate with Innerspace Exploration on the crab pot removal project in Sequim Bay. *Helle Andersen will reach out to Innerspace and draft the commitment letter to be submitted no later than Dec. 4th.*

PA Harbor Crabber Outreach Map – Helle Andersen asked the members if they support making a graphic over PA Harbor delineating the contaminated areas and including DOH's consumption guidelines on one map and recommending crabbing along Ediz Hook avoiding traffic lanes and reducing the possibility of entanglement on another map. Tim Cochnauer pointed out that the consumption guidelines are not clear for most readers and suggested that the MRC provide an "explanation" of the guidelines on the map as well. Because of the cancellation of the December meeting Helle asked the members if Alisa could start working on the graphic. No clear response was given by the members.

Dana Oster reminded the MRC members about the MRC Symposium follow up on oil spill risk consequences Thursday 11/19 at 4 pm and the Celebration of the Initiative Friday 11/20 at 4 pm.

Mike Doherty mentioned that Jefferson County Greenhouse Gas Inventory report has been made public and that the Washington Department of Ecology is updating the Central Puget Sound Geographic Response Plan (GRP). The public comment period is from 11/5/2020 – 12/10/2020.

Public Comment

None

Adjourn

The meeting ended at 7:25 pm.