

Jefferson County Marine Resources Committee

Meeting Agenda Tues, January 5, 2021 6:00-8:00PM

Meeting held via conference call

Officers/Executive Committee:

Neil Harrington, Chair
Brenda Johnson, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fiskin, NWSC Alternate

MRC Members:

Emily Bishop, District 1
Ray RaLonde District 1
Solenne Walker, District 1 Alt
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Heather Burns, District 3
Sarah Fiskin, District 3
Betsy Carlson, Envir/Conserv
Bryan DeCaterina, Env/Cons Alt
Pam Petranek, Port of PT
Gordon King, Commercial Interest
Nam Siu, Marine Science
Brent Vadopalas, Marine Sci Alt
Heidi Eisenhour, BoCC
Troy McKelvey, Recreation
Roy Clark, Recreation Alt
Judy Surber, City of PT
Neil Harrington, Tribal
_____, U.S. Navy, Indian Is

Staff:

Monica Montgomery, Coordinator
Robert Simmons, WSU Faculty
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AGENDA

- 6:00** Call to Order – Introductions
- 6:05** Amendments to/Approval of Agenda
Amendments to/Approval of December 2020 Minutes
- 6:08** Public Comment
- 6:10** **Guest Speaker:** Kevin Long, NOSC – Kilisut Harbor Restoration Project
- 6:50** BoCC Report (Heidi)
- 6:55** Naval Special Operations Training Proposal (Neil)
- 7:10** **Recent Meeting Reports & Issue Updates**
NWSC Meeting (Jeff)
- 7:15** **Administrative Updates** (Monica)
- New member recruitment
 - Note taker
 - Volunteer hours
 - MRC symposium ideas
- 7:20** **Current Project Updates & Subcommittees**
- Education & outreach
 - No-anchor zones
 - Forage fish – Fort Townsend, Adelma, Dabob
 - Kelp
 - Olympia oysters
 - Rain gardens
 - Shoreline landowner outreach
 - Crabber outreach
- 7:40** **Continued New Project Discussion**
- New forage fish sites
 - Derelict gear (ROV)
 - Other ideas
- 7:52** Public Comment
- 7:55** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events

Jan 10, 3PM – PTMSC Future of Oceans Lecture featuring Dr. Ron Thom

Jan 14, 9-12:30PM – PSEMP Sand Lance Symposium

Jan 19, 9-10AM – MRC Executive Committee Meeting

Jan 21, 2:30-5PM – NWSC/MRC Kelp Season Review

Jan 29, 10AM-12PM – NWSC Meeting

Feb 2, 6-8PM – MRC Monthly Meeting

Ongoing – Port of PT [Meetings](#)

Ongoing – Jefferson BoCC [Meetings](#)

Jefferson County Marine Resources Committee

Virtual Zoom Meeting

January 5, 2021 Meeting Minutes

Present:

Neil Harrington, Tribal, Chair
 Brenda Johnson, District 2, Vice Chair
 Jeff Taylor, District 2, NWS Rep.
 Sarah Fisksen, District 3, NWS Alt.
 Emily Bishop, District 1
 Solenne Walker, District 1 Alt.
 Frank Handler, District 2 Alt.
 Betsy Carlson, Envir/Conserv
 Bryan DeCaterina, Env/Conserv Alt.
 Pam Petranek, *ex officio*, Port of Port Townsend
 Heidi Eisenhour, *ex officio*, BOCC
 Nam Siu, Marine Science
 Brent Vadopalas, Marine Science Alt.
 Troy McKelvey, Recreation
 Roy Clark, Recreation Alt.
 Gordon King, Commercial Interest

Absent:

Ray RaLonde, District 1
 Heather Burns, District 3
 Judy Surber, City of Port Townsend

Guests: Cheryl Lowe, Ron & Rosemary Sikes,
 Larry Morrell, Sasha Horst, Danielle Zitomer,
 William House, Lucas Hart, Selene F

Staff: Monica Montgomery, MRC Coordinator
 Bob Simmons, WSU Staff

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Chair Neil Harrington called the meeting to order at 6:00 PM. Introductions were made.	A quorum was present.	All members – please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA	Neil asked for approval/amendments to the Agenda. Troy McKelvey moved to approve, which was seconded by Nam Siu. Approved as written.	Troy moved to approve the agenda. Nam seconded. Motion passed.	
APPROVAL OF MINUTES	Neil asked for approval/amendments to the December 2020 Minutes. Nam moved to approve, which was seconded by Sarah Fisksen. Minutes passed as written.	Nam moved to approve the December Minutes. Seconded by Sarah. Motion passed.	
PUBLIC COMMENT	None.		
Guest Speaker: Kevin Long, NOSC Kilisut Harbor Restoration Update	<p>NOSC (North Olympic Salmon Coalition) worked on the development of this project for 9 years. Excavation of the channel between Indian and Marrowstone Islands was completed in August of 2020. Construction took place over 15 months, and the bridge and roadway were completed around Nov 1st. The total cost for construction was \$10 million, which consisted of \$8 million for the bridge, while the rest was spent on channel restoration. An additional \$3 million was spent on the project design.</p> <p>Historically, water flowed between Indian and Marrowstone Islands. Settlers would sometimes fill the channel to move cattle between the islands, but those fills were breached by Tribal members who continued to use the navigable waterway. In the 1940s, more fill was placed and the area turned into a major roadway with just two small culverts for water to pass. The surrounding marsh filled up with sediment because culverts were undersized. Restoring the waterway restores tidal flow and movement of juvenile salmon.</p> <p>The Port Gamble S'Klallam Tribe has documented high numbers of juvenile salmon in Oak Bay, and high numbers of forage fish and other salmon foods in Kilisut Harbor. To reach feeding grounds in Kilisut Harbor, juvenile fish would have to swim</p>		

	<p>around to the channel at the north end of the islands. Post-restoration, the southern end has been opened, and fill removed, so that now a 450ft two lane bridge spans entire marsh.</p> <p>AquaDams were used to keep the tide out. They are essentially giant bags of water connected as a wall to keep out tides during construction. The AquaDam worked well, but few had any experience with them previously. Almost a mile of hose was needed to continue filling the bags as the tide receded. A special shout out was given to Enrique, the aqua dam delivery driver, who was a dark horse of aqua dam knowledge and guided that portion of the project.</p> <p>Night work was challenging but necessary to move the project forward. The fill went to a gravel pit in Port Hadlock that needed to be filled anyway. Lots of local contractors worked on this project. Many partners came together to fund the project and generate community support. It was challenging to fund this project because multiple extensions were needed for grant funds that would otherwise have expired after 2 years. The project continued throughout the Covid-19 pandemic.</p> <p>Community members showed up as soon as the channel excavation finished to recreate in the area. Black bear tracks were found on the site. Lots of bird activity. There was a persistent red algae bloom for more than a month before the final channel excavation. The channel opening should help with persistent algae blooms and fish kills. Schools of surf smelt and sand lance have frequently been observed feeding in the channel. Cutthroat and dogfish have been seen, as well as adult salmon. The area is still changing and it will be interesting to see how the area evolves.</p> <p>NOSC doesn't have forage fish spawning monitoring plans right now. Current monitoring includes beach profiling, drone flight with LIDAR, eelgrass monitoring on the Oak Bay side (though so far, there are no concern of impacts), and bird surveys. The Port Gamble S'Klallam Tribe has been fish seining and monitoring the temperature. So far the new channel doesn't seem to be affecting the speed of the current through the PT Canal.</p>		
BoCC REPORT	<p>Commissioner Eisenhower – Recently sworn in on the BoCC and has been assigned to the MRC. The BoCC is looking into developing workshops to discuss issues and include community members in conversations. We are very pleased to welcome Commissioner Eisenhower to the Jefferson MRC.</p>		
Naval Special Operations Training Proposal	<p>Neil- Introduced Larry Morrell, who has experience working on naval issues, and has been working on this topic for the last 2 years. He serves as an unofficial liaison between the public and State Parks staff regarding naval use of parks.</p> <p>Larry- There is a proposal to train Special Forces (Navy Seals) on State Park properties. This involves insertion/extraction of submersibles, diver/swimmers, over the beach movement, special reconnaissance, and high angle climbing (the last one at Deception Pass only). They are asking to increase presence in 28 State Parks, with upwards of 36 training events (each ranging between 2-72 hours) in Region 1 per year (Jan-Nov) and up to 34 personnel involved per training event (including trainees, support and safety personnel).</p> <p>They have been conducting this training over the last 5 years with a Right of Entry granted by State Parks (now-expired) in 5 parks, including Fort Flagler and Mystery Bay.</p> <p>The Mitigated Determination of Non-significance (MDNS) is an agreement for mitigating measures including no surveillance of the public, reporting of artifacts, etc. But there is no provision for monitoring the impact of these activities. Unaddressed issues: State Parks is not listed under the last agreement, no notification to local law enforcement when training is underway, there is no follow up, no civilian monitors are allowed, there is no pre-training and clearance to proceed, and no provision to modify boundaries based on changing sensitive habitats.</p> <p>Jefferson County is located within Region 1, which the Navy plans to use much more frequently than Regions 2 & 3. There is little evidence of consideration for bird or fish breeding seasons except in one specific case on the coast.</p>	<p>Neil moved to approve the proposed special meeting. Seconded by Brenda. Motion passed.</p>	

	<p>The MRC discussed whether to have a Special Meeting to continue discussion of this topic to advise the BoCC. It was suggested that it is potentially worth asking our Navy Rep to attend this Special Meeting.</p> <p>There was a motion to have a Special Meeting of the MRC between now and January 20th to discuss and make recommendations to the BoCC, with the City and Port of PT in mind, on the Navy proposal for State Park use for (in-water and on-land) special operations training.</p>	Poll for dates and times for the Special Meeting.	Monica
Recent Meetings and Issues Update	<p>NWSC Meeting (Jeff)- The MRC hasn't been sending out minutes for the last couple of years. Minutes are available online. Betsy Carlson suggested that Monica simply provide a reminder and a link periodically. This seems to be the preferred option.</p> <p>Ron Thom is retiring from the Science Advisory Committee but is planning to remain engaged with the Northwest Straits Initiative.</p> <p>NWSC is looking at more grant funding opportunities for regional eelgrass protection no-anchor zones.</p> <p>Caroline Gibson (NWSF) received an environmental stewardship award. Congratulations to Caroline!</p> <p>The Kelp Recovery Plan has received a lot of attention, and has been featured on Q13 news.</p> <p>Northwest Indian Fisheries Commission published a good report on the state of Puget Sound watersheds.</p>	<p>Periodically send out a link to NWSC meeting minutes</p> <p>Send link with NWIFC report to Monica to forward to the group.</p>	<p>Monica</p> <p>Jeff</p>
Administrative	<p>Neil- email the Chair and Monica if you are going to miss a meeting, so the absence can be excused.</p> <p>Monica- New Member Recruitment District 1, District 1 alt, and District 3 alt. position openings are advertised in many places. Only one application has been submitted so far. Deadline is Jan 15th. Details are posted on the home page of the MRC website. Please help spread the word.</p> <p>Note Taker Solenne has agreed to take over minute taking. She will be missing the April meeting so a substitute will be needed that day.</p> <p>Volunteer Hours Review and submit hours for Oct. 1 – Dec. 31, before Jan 11, for end-of-quarter reporting.</p> <p>MRC symposium Ideas Submit ideas for an MRC symposium in the chat or by email</p>	<p>Let Neil/Monica know if you are going to miss a meeting</p> <p>Pass along word of MRC position openings</p> <p>Submit volunteer hours through the online form or directly to Monica</p> <p>Share MRC Symposium ideas with Monica</p>	<p>Everyone</p> <p>Everyone</p> <p>Everyone</p> <p>Everyone</p>
Current Project Updates and Subcommittees	<p>Forage Fish Adelma, Fort Townsend, Dabob- Fort Townsend: (Monica)- Going out on the 19th to do the second monitoring of the season. Call for a committee member to be project lead. Neil offered to continue to run samples to the lab. It would be great to get an update on forage fish from Tori at Point No Point Treaty Council. Still deciding if continuing this site. Sarah will consider being lead.</p> <p>Adelma Beach (Jeff)- has continued taking samples. Going well. Sarah requested to be taken off this site.</p> <p>Dabob Bay (Sarah)- Sarah has one neighbor helping, and welcomes additional volunteers. Will reach out to Heather if interested.</p> <p>Kelp- Betsy and Emily to meet soon to pass off the kayak paddle. Roy requested to be removed from this project because the tides conflict with his work. Neil and Brent expressed the same sentiment. Pam requested to be added to the group. Nam wants to remain involved in the planning and hopes to be able to attend a survey.</p> <p>No Anchor Zones (Troy)- happy to step down as the project lead if someone else wants to step up. Pam asked to be listed on the project team as she can operate the Port boat.</p> <p>Rain Gardens- Bob will continue working on this project as MRC staff. The Quilcene School rain garden installation has been deferred until in-person learning returns, possibly in the spring.</p>		

	<p>Meeting a homeowner tomorrow to assess a possible location at Lawrence and Quincy Streets in PT.</p> <p>Olympia Oysters (Neil)- Will be meeting soon to plan the season. Betsy requested to be removed from oysters because of her kelp commitment. Brent expressed interest in staying on, though noted his prior commitments.</p> <p>Education and Outreach (Brenda)- will be meeting within the project team to determine who will lead various efforts in the upcoming year. Jeff offered to connect Brenda with a social scientist who is on the NWSC Science Advisory team.</p> <p>Shoreline Landowner Outreach (Sarah)- no updates at this time. Neil requested to be added to this group. He recently discussed trainings with Mike Dawson (Jefferson County Environmental Health) to plug shoreline monitors in with efforts to select potential restoration sites.</p> <p>Crabber Outreach- no update.</p> <p>SMP Update- replaced Greg with Heidi, and added Pam.</p> <p>City outfall pipe replacement tracking – Frank requested to be added.</p>		
Continued New Project Discussion	<p>New Forage Fish Sites/Internships/Derelict Gear (ROV) Other Ideas- keep in mind any projects you would like to see added to the list for further discussion at the next MRC monthly meeting. Forage fish monitoring at the Kilisut Harbor restoration project site may be considered.</p>		
PUBLIC COMMENT	Public Comments – none.		
MRC Roundtable/Announcements	<p>Ron Thom is speaking as part of the Port Townsend Marine Science Center lecture series on Sunday about eelgrass. Zoom link available on PTMSC website.</p> <p>Tomorrow night around 7pm, an update on the grey whale that washed up on the beach will be on King 5 News.</p>	Let Monica know if you would like a direct link to any upcoming meetings and events.	Everyone
ADJOURNMENT	Meeting was adjourned at 8:03PM. A special meeting will be scheduled before Jan 20 th to discuss the land use proposal from the Navy. The next regularly scheduled meeting will be February 2nd.	Brenda moved to adjourn, seconded by Emily. Motion passed.	

**Jefferson County Marine Resources Committee
Virtual Zoom Meeting
January 14, 2021 Special Meeting Minutes**

Present:

Neil Harrington, Tribal, Chair
Brenda Johnson, District 2, Vice Chair
Jeff Taylor, District 2, NWS Rep.
Sarah Fiskens, District 3, NWS Alt.
Emily Bishop, District 1
Solenne Walker, District 1 Alt.
Frank Handler, District 2 Alt.
Pam Petranek, *ex officio*, Port of Port Townsend
Brent Vadopalas, Marine Science Alt.
Troy McKelvey, Recreation
Gordon King, Commercial Interest
Bryan DeCaterina, Env/Conserv Alt.
Heidi Eisenhour, *ex officio*, BoCC

Absent:

Ray RaLonde, District 1
Heather Burns, District 3
Judy Surber, City of Port Townsend
Roy Clark, Recreation Alt.
Betsy Carlson, Envir/Conserv
Nam Siu, Marine Science

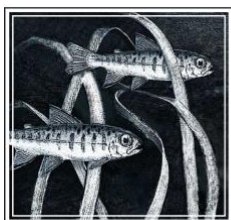
Guests: Larry Morrell, Bill Putney (PoPT)

Staff: Monica Montgomery, MRC Coordinator
Bob Simmons, WSU Staff

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Chair Neil Harrington called the meeting to order at 6:01 PM.	A quorum was present.	
Naval Special Operations Training Proposal- Share questions/ Concerns	<p>Our aim is to provide recommendations to the Board of County Commissioners (BoCC) who will then communicate concerns to the State Parks. Individuals can also give input directly to the State Parks. There was consensus that we will restrict our recommendations to marine resources, rather than broader community concerns.</p> <p>Solenne- Their proposal contains comparisons to general public impacts on upland environments, but the general public doesn't enter the parks via submersible. Little evidence of consideration for impacts to the nearshore, especially eelgrass and kelp. There is a great need to focus on the nearshore environment. Eelgrass and kelp are critical for ESA-listed salmon and Southern Resident Killer Whales. We need to identify critical areas and possible exclusion zones. The proposed usage could potentially add up to significant impacts on critical habitat, and we should draw their attention to this so they can minimize impacts.</p> <p>The proposal states that they will stay off of feeder bluffs.</p> <p>Neil- The plan contains no mention of disturbance to eelgrass. You can tear up eelgrass with a simple boat prop.</p> <p>The proposal primarily focuses on impacts to terrestrial plants, not submerged aquatic vegetation (SAV).</p> <p>Gordon- We don't know whether their submersible creates more damage than recreational/commercial digs or general uses.</p> <p>Bob- has seen their submersibles, and they seem more intrusive than a small boat. The Navy should consider forage fish spawning habitats as well.</p> <p>Neil- Ideally the Navy would complete the assessment of critical habitat and delineate exclusion zones. They could also consider restricting timing of trainings in certain areas based on critical life history stages for species of concern. People dig clams at night at Shine State Park. Navy needs to consult on tribal digs as well.</p> <p>The Navy is not proposing to construct anything; the proposal is to conduct their training and leave no trace or impacts. There is a vague reference to training aids that are not supposed to have impacts.</p>		

	<p>Brenda- hasn't seen any use at Mystery Bay or Fort Flagler State Park over the last 5 years, so if they have been using those properties then they have been very surreptitious.</p> <p>Neil- understands that there does not seem to be any record of compliance. If they follow the proposal, impacts should be minimal, but there are concerns that there is very little record of compliance in years past. Perhaps State Parks should seek better proof of compliance.</p> <p>Jeff- raised a concern about migratory birds.</p> <p>Solenne- noted that since they are asking to use 28 state parks, impacts are spread out between sites, however while land impacts will be compared to regular uses, it's hard to know what the marine impacts will be.</p> <p>The proposal states that they will avoid bald eagle nests. Training can be conducted anytime, day or night, between Jan-Nov. They typically infiltrate parks at night, hide unseen during the day, then exfiltrate at night.</p> <p>Heidi- has not seen an increase in communication or collaboration since the 2018 BoCC letter requesting it.</p> <p>Larry- The Navy has a history of not incorporating the feedback of other stakeholders, and doing what they want to do anyway. They are very nonspecific about locations, timing, and duration of the trainings, which makes it difficult to forecast the impacts of their activities. They don't have a requirement to seek outside consultation prior to a training event. State Parks said they don't have authority to grant Right of Entry to the Navy and instead passed it over to the Parks Commission, to seek permission to engage with the Navy. January 28th will be begin the process for Parks to conduct individual assessments, depending on instruction from the Parks Commission.</p> <p>Solenne- The MRC should be specific in our recommendations, such as excluding the North Beach kelp bed from training activities, and other specific habitats in Jefferson County that we already know are critical.</p> <p>Pam- suggested a more broad brush approach so we don't miss any critical areas.</p> <p>Neil- proposed asking Parks to come to us when assessing the Navy's plan.</p> <p>Bill Putney- urged the MRC to make clear and submit any specific issues that we identify. Specify the issues, reasons why, and limitations; don't assume the Navy already knows what we're concerned about.</p> <p>Bob- We don't have the resources/information to identify all the areas where, e.g., forage fish are spawning, so language needs to make clear that they need to lead an assessment of impacts to these species.</p> <p>Frank- suggested attaching a GIS map that delineates eelgrass/kelp beds to our recommendations to the BoCC.</p> <p>Solenne- mentioned maps hosted by DNR, NWSI, and others. Our goal should be to raise awareness for the tools and what they [the Navy] should look out for.</p> <p>Neil- eelgrass by the PTMSC would be a prime candidate for disturbance by submersibles.</p> <p>Primary concerns listed so far: eelgrass and kelp beds (forage fish habitat).</p> <p>Bill- The MRC should use this as a teachable moment for the Navy and the Parks. The committee should provide a one page letter with specific concerns, with sources of information, and recommended resources. We don't want the Navy to come back and say "you should have told us" if we don't alert them to our concerns now.</p> <p>Larry- While the Navy has experts on staff, there is little evidence of them consulting with local experts. Suggestion to establish a</p>	
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	<p>liaison with the Navy prior to training to establish a relationship and flow of communication.</p> <p>Troy- suggested we specifically state that we're doing kelp studies, studies on Olympia oysters, etc. and provide a map(s) of known resources. Others mentioned the Old Fort Townsend monitoring site and other forage fish monitoring sites as well.</p> <p>Jeff- raised the idea that maybe they are specifically looking to train in kelp.</p> <p>Brent- agreed that SAV, forage fish, and Olympia oyster are top concerns.</p> <p>We have a seat for the Navy on the MRC. Bill Kalina used to fill this position, but his scope is specific to Indian Island and he is not part of this SEPA review process. Question of whether we should reach out to the Navy and offer consultancy, to help them identify and minimize impacts.</p> <p>Pam- noted that we need for more communication from the Navy. Their proposal states that their staff will assess whether to continue an exercise if members of the public are present, which could include MRC members or others who are carrying out research or monitoring activities.</p> <p>Heidi- It's appropriate to say that many of us are active on the water and concerned about our safety and the safety of our colleagues.</p>		
Discuss line-by-line	<p>Monica shared her screen and the group discussed edits/additions to the drafted outline for a recommendation letter to the BoCC.</p> <p>Added endangered marbled murrelets to the list of marine birds to be considered.</p> <p>Solenne- added links for SalmonScape and the forage fish spawning map as resources to provide.</p> <p>Suggestion to leave a Navy liaison position up to the BoCC to designate. There were suggestions that this be an elected official for general ongoing communications, and suggestions to have an expert environmental science liaison.</p> <p>Suggestion to add bird nesting sites and river otter habitat into list of considerations, however, others noted the need to focus in on important threatened and endangered species. River otters are abundant and resilient.</p> <p>Pam- added a note about potential disturbance to ongoing research/ monitoring efforts</p>		
Agree on recommendation to BoCC regarding potential impacts	<p>After some discussion about the timeline required to get recommendations to the BoCC and be adequately considered, the group agreed upon an outline of recommendations and decided that a smaller subcommittee would complete final wordsmithing to forward a letter to the BoCC without need for further approval.</p> <p>This was enough of a working session to feel confident sending this letter to the BoCC by the end of the next workday, as long as the smaller group only makes minor edits to wordsmith but not to change the letter's content.</p> <p>Motion for a small subcommittee to make the recommendations more concise, but keep main points and content, and forward it to BoCC tomorrow. Pam moved to approve and Sarah seconded. Motion passed.</p> <p>The current proposed Right of Entry will expire in 5 years, which is the maximum amount of time they can be granted approval. We could recommend review at shorter intervals. Reminder that anyone can comment as an individual.</p>	<p>Pam moved to approve sending the draft letter to the BoCC after final editing/wordsmithing by a small group. Sarah seconded. Motion passed.</p>	
ADJOURNMENT	<p>Meeting was adjourned at 7:32PM. The next regularly scheduled meeting will be February 2nd.</p>	<p>Emily moved to adjourn, seconded by Pam. Motion passed.</p>	



Jefferson County Marine Resources Committee

Meeting Agenda
Tues, February 2, 2021
6:00-8:00PM

*****Meeting held via conference call*****

Officers/Executive Committee:

Neil Harrington, Chair
Brenda Johnson, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fisksen, NWSC Alternate

MRC Members:

Emily Bishop, District 1
Ray RaLonde District 1
Solenne Walker, District 1 Alt
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Heather Burns, District 3
Sarah Fisksen, District 3
Betsy Carlson, Envir/Conserv
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Pam Petranek, Port of PT
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Judy Surber, City of PT
Neil Harrington, Tribal
_____, U.S. Navy, Indian Is

Staff:

Monica Montgomery, Coordinator
Robert Simmons, WSU Faculty
c/o WSU Jefferson Extension
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Port Hadlock, WA 98339
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jeff.co.mrc@gmail.com

AGENDA

- 6:00** Call to Order
- 6:05** Amendments to/Approval of Agenda
Amendments to/Approval of January 2021 Minutes
Amendments to/Approval of Special Meeting Minutes
- 6:08** Public Comment
- 6:10** **Guest Speaker:** Scott Brewer and Haley Harguth, Hood Canal Coordinating Council
- 6:50** BoCC Report (Heidi)
- 6:55** Port of PT Update (Pam)
- 7:00** **Recent Meeting Reports & Issue Updates**
NWSC Meeting (Jeff)
- 7:05** **Administrative Updates (Monica)**
- New member recruitment
 - 2021-2023 RFP
 - Future guest speakers
- 7:15** **Current Project Updates**
- Forage fish – Adelma, Dabob, Fort Townsend
 - Kelp (Betsy)
 - Rain gardens (Bob)
 - Education & outreach (Brenda)
 - No-Anchor Zones (Monica)
 - Shoreline landowner outreach (Sarah)
- 7:30** **Continued New Project Discussion**
- Derelict gear/ROV (Jeff)
 - Potential forage fish sites (Monica)
 - Other ideas
- 7:47** Public Comment
- 7:50** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

Feb 5, 9am-4pm – Toxics in Puget Sound [workshop](#)
Feb 16, 9-10am – MRC executive committee meeting
Feb 24, 7-8pm – Clallam MRC Kelp 101 [webinar](#) series, Part 1
Feb 24, 6-8pm – NWSF Shoreline Landowner Outreach workshop
Feb 26, 930am-1230pm – Strait ERN LIO quarterly meeting
Mar 2, 6-8pm – MRC monthly meeting

Ongoing – Port of PT [Meetings](#)
Ongoing – Jefferson BoCC [Meetings](#)

**Jefferson County Marine Resources Committee
Virtual Zoom Meeting
February 2, 2021 Meeting Minutes**

Present:

Neil Harrington, Tribal, Chair
 Brenda Johnson, District 2, Vice Chair
 Jeff Taylor, District 2, NWS Rep.
 Sarah Fiskén, District 3, NWS Alt.
 Emily Bishop, District 1
 Bryan DeCaterina, Env/Conserv Alt.
 Pam Petranek, *ex officio*, Port of Port Townsend
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 Brent Vadopalas, Marine Science Alt.
 Betsy Carlson, Envir/Conserv
 Frank Handler, District 2 Alt.
 Judy Surber, City of Port Townsend
 Nam Siu, Marine Science
 Heather Burns, District 3

Absent:

Ray RaLonde, District 1
 Roy Clark, Recreation Alt.
 Solenne Walker, District 1 Alt.

Guests: Haley Harguth, Scott Brewer, Larry Morrell, Allie Simpson, Dana Oster, Joanie Hendricks, Mary Jean Ryan, Jo Blair, Janette Mestre, Reto Filli

Staff: Monica Montgomery, MRC Coordinator
 Bob Simmons, WSU Staff

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Chair Neil Harrington called the meeting to order at 6:02 PM. Introductions of guests were made.	A quorum was present.	All members – please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA	Neil asked for approval/amendments to the Agenda. Neil moved to approve with an update from Larry on the Navy proposal to be added after the guest speakers. This was seconded by Betsy Carlson. Approved as amended.	Neil moved to approve the agenda with one addition. Betsy seconded. Motion passed.	
APPROVAL OF MINUTES	Neil asked for approval/amendments to the January 2021 Minutes. Sarah Fiskén moved to approve, which was seconded by Troy McKelvey. Minutes were approved as written. Neil asked for approval/amendments to the January 14 special meeting minutes. Heidi Eisenhour moved to approve, Brenda Johnson seconded. Minutes were approved as written.	Sarah moved to approve the January Minutes. Seconded by Troy. Motion passed. Heidi moved to approve the special meeting minutes. Seconded by Brenda. Motion passed.	
PUBLIC COMMENT	None.		
Guest Speaker: Scott Brewer and Haley Harguth, Hood Canal Coordinating Council (HCCC)	HCCC is a council of governments, structured as a non-profit organization. Members include: Jefferson Co., Kitsap Co., Mason Co., the Port Gamble S'Klallam Tribe, and the Skokomish Tribe. They conduct work in the Hood Canal region, which can sometimes extend out to Sequim, depending on the project. HCCC has an Integrated Watershed Plan (IWP) for the region, which serves as a strategic framework to advance a shared vision for fully integrated ecosystem recovery. Includes goals, pressures/stressors, indicators and strategies. Can be found at ourhoodcanal.org . A Hood Canal Ecosystem Report Card will also be released soon, and information about what goes into indicators can be found on the website. The IWP is adaptively managed and includes salmon recovery information. They are working to revise salmon recovery logic models to reflect the status of Hood Canal Summer Chum, and		

	<p>revising shellfish/nearshore logic model to integrate feedback from the Hood Canal Shellfish Initiative. Also developing intermediate performance objectives to track progress as well as expand communications and outreach.</p> <p>The Pollution Identification and Correction Program is a collaborative partnership with HCCC members and partners. Fieldwork includes shoreline monitoring, pollution hotspot investigations, and site inspections with landowner support to correct pollution sources. Freshwater monitoring in priority streams. The program includes field training, outreach, and education.</p> <p>The Hood Canal Shellfish Initiative is intended to function as a holistic approach to ecosystem recovery, focusing on shellfish. The HCCC brought together a workgroup of shellfish partners to identify content and priorities for an Action Plan. Participants developed a goal and 6 objectives to reach the goal. The HCCC has some funds to implement priority projects and is planning to integrate the shellfish plan in the IWP.</p> <p>A Landscape Assessment and Prioritization Tool is being developed to prioritize projects, and a successful pilot was completed in early 2020. Awarded more funding to expand and further develop the tool.</p> <p>Summer chum are in the home stretch of recovery; numbers are at the level where delisting is a possibility. HCCC is calling for an issues assessment to identify continuing challenges to salmon stocks. Salmon stocks have been linked with Pacific Decadal Oscillation, doing better in colder years and worse in warmer years for ocean temperature. They face challenges related to climate, climate change, and maintaining spatial diversity. A watershed use mapping tool can be helpful to understand what can or can't happen in summer chum critical habitat</p> <p>Will be updating the Salmon Recovery Plan. Looking at multiple aspects like abundance, diversity, harvest management, climate change adaptation, with the goal of a "salmon recovered plan," meaning an ongoing strategy to keep them from declining again.</p> <p>The HCCC also provides options for no net loss mitigation. \$4.3M of mitigation projects to date.</p> <p>Land use tool is still in the pilot phase but a password is available by request. Could be useful to prioritize MRC projects.</p> <p>MRC members could come to HCCC meeting to develop connection/relationships.</p> <p>Been working with WDFW (Theresa Mitchell and others) on the Duckabush Estuary bridge replacement project. We should reach out to WDFW for an update on that project's progress and include HCCC folks.</p>	<p>Keep an eye out for HCCC meetings and opportunities to connect the MRC's work.</p>	<p>Everyone</p>
<p>Larry Morrell-Update on the Navy Operations Training Proposal</p>	<p>The Navy applied to train in 29 parks around the state. Our MRC had a huge impact on the parks staff report, and they even changed their Mitigated Determination of Non Significance (MDNS). Namely, eelgrass originally wasn't mentioned anywhere and fish windows/timing also weren't mentioned. The final MDNS is posted on the parks website. Staff and Parks Commission modified inputs. Determined that several parks would no longer be eligible (didn't name which ones) for several reasons. The staff will now go through a shorter list of parks one at a time to determine which ones, if any, are eligible based on the new criteria. Commission had a close vote to approve, with an amendment that the Navy not be allowed to train in daylight when day use areas are open. Also added a post-site assessment.</p> <p>A new Parks Executive Director starts in March. Parks staff will report back after 9 months to make a new plan/mitigation steps if needed. The 9-month trial period is a way to give the new Director time to develop a position and provide input. 9 months starts when the first permit is issued. Not sure yet when that will be.</p> <p>The proposal states that special forces cannot train within 1000ft of overnight accommodations, unless there's a natural barrier in which case there is a 500ft buffer.</p>		

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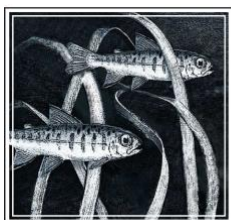
	<p>One of the new requirements is that they may not disturb eelgrass beds.</p> <p>The final list of parks that they will use is public information, but will likely not be posted publicly so Larry will be making a list available.</p>		
BoCC REPORT	<p>Commissioner Eisenhour – Fully tuned in to the Navy comments and trying to get more information about specific parks being permitted. Will keep following up because there are lots of community concerns.</p> <p>The Olympic Coast Sanctuary Committee presented their work plan for 2021. There was an ocean acidification presentation and discussion about domoic acid closing coastal fisheries. The Sanctuary is having a 51ft research vessel built.</p> <p>If there's anything we need from Commissioners, feel free to reach out.</p>		
Port of PT Update	<p>Commissioner Petranek- The Port is trying to obtain permits required for construction at the Point Hudson Jetty and the Joint Aquatic Resource Permit Application (JARPA) is being submitted this month. Construction would be during the fish window July 16th- Feb 15th. Fall 2021 will see a 4-month project on the north jetty first because it's an easier jetty to test methods. Phase 2 would be another 4-month project on the south jetty the following summer. Proposing to leave the big boulders there, then adding rock on top. They will be leaving some existing pilings there to hold the boulders, but then adding more concrete pilings.</p> <p>This will be a bigger agenda item next month to allow for more updates and discussion.</p>		
Recent Meetings and Issues Update	<p>NWSC Meeting (Jeff)- Julia Parish was added to the Commission. Snohomish County has a new Representative. Dana presented a summary of the bull kelp monitoring workshop and offered to present to MRCs. Katie provided an update on the Communication plan. NWS 101 will be offered on a quarterly basis. Tom Mumford is giving a talk on Feb 24th on kelp, sponsored by the Clallam MRC.</p> <p>Katie provides a summary of key points following meetings. Multiple members expressed interest in being forwarded these emails.</p> <p>Neil/Brenda- attended a NWS Foundation workshop for chairs, where they were given an overview of the Foundation's work. Caroline Gibson gave a great overview of the innerworkings and is a resource to go to for help. The Foundation also shared information about funding new MRC projects which was very helpful.</p>	<p>Include info on Tom Mumford talk in follow-up email</p> <p>Forward NWSC meeting summary points</p>	<p>Monica</p> <p>Jeff</p>
Administrative	<p>Monica- New Member Recruitment 3 applications have been received for the District 1 rep/alt positions and 2 applications for the District 3 alt position. Applicants will be interviewed in the coming weeks and new members will join by the next meeting in March.</p> <p>2021-2023 RFP Will be issued in March and deadline will be in June. Funding will begin in October 2021 and end in September 2023. Based on discussions from previous meetings, it sounds like we are likely not starting any new projects to be funded through the MRC grant and will continue projects that we're already doing.</p> <p>Future MRC Guest Speaker-Topic Ideas</p> <p>Pam: Lauren Kuehne- measuring underwater noise pollution impacts of military flights over the Peninsula.</p> <p>Troy: Dave Croonquist- hatchery/wild fish issues. Offers perspective on what can be done to increase salmon production.</p> <p>Heidi: Bob Francis- Pacific Decadal Oscillation. Nina Bednarsek- ocean acidification</p> <p>Neil: Emily Buckner- Sea Grant Fellow for Pacific Northwest Crab Research Group. Tori Cantelow or Shannon Miller from Point No</p>		

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	Point Treaty Council could present data from Indian Island forage fish surveys.		
Current Project Updates and Subcommittees	<p>Forage Fish Adelma, Fort Townsend, Dabob- Fort Townsend: (Monica)- Going out on the 16th for the 3rd survey this season.</p> <p>Adelma Beach (Jeff)- still sampling monthly. Received results for up until 2 months ago. Had a bunch of surf smelt in October (64 eggs).</p> <p>Dabob Bay (Sarah)- still sampling monthly. Had positive detection of sand lance in November (15 eggs).</p> <p>Kelp (Betsy)- A number of us attended the 2020 kelp season MRC review. Had a meeting with Emily and some subcommittee members to help with the transition. Gearing up for kelp season soon.</p> <p>Rain Gardens (Bob)- Been approached by Maritime Schools to collaborate with them. The City of Port Townsend has some sites in mind. Still plan to install a second rain garden at Quilcene School once students return for in-person learning. More updates to come next month.</p> <p>Education and Outreach (Brenda)- Hoping to have a meeting within the next week to discuss plans for this year.</p> <p>No Anchor Zones (Monica)- Bryan and Monica are working through edits of a dive safety manual to share with the subcommittee and any other MRC members who are interested in providing input on the draft.</p> <p>Shoreline Landowner Outreach (Sarah)- Workshop planned for Feb 24th from 6-8pm. Waiting on the final flier. Feb 3rd and 10th, Kitsap Shore Friendly is hosting a similar event.</p> <p>Olympia oysters (Neil)- Subcommittee will be meeting on 2/3 to discuss plans for the year.</p>		
Continued New Project Discussion	<p>New Forage Fish Sites/Internships/Derelict Gear (ROV) Other Ideas-</p> <p>Jeff- Jeff, Monica, and Jason met with the Sea Dragons, the local high school affiliated underwater robotics team, to discuss using an ROV to detect and possibly remove derelict gear in Discovery Bay. The Sea Dragons have contacts who are working on developing low-cost side scanning sonar, which may be better suited for finding derelict crab gear than visual footage from an ROV. Jamestown S'Klallam Tribe may be able to help with some materials/logistics. Bryan may know some areas that have really dense derelict pots.</p> <p>Monica- WDFW doesn't have the capacity to take on additional forage fish monitoring sites after all. They are already sampling at Kilisut Harbor. Discussion about continuing monitoring at Fort Townsend State Park. General support for continuing collecting the dataset, with final decision to be made after a review of the past five years of data collected.</p> <p>Pam- Consider some sort of monitoring effort in Quilcene, or involvement with the upcoming community planning process.</p>	Reach out to Tori Cantelow (PNPTC) about presenting on forage fish sampling data	Monica
PUBLIC COMMENT	Public Comments – none.		
MRC Roundtable/ Announcements	<p>We appreciate Neil and Monica!</p> <p>Betsy- Feb 14th PTMSC future of oceans lecture on ocean acidification and shellfish (Doug Rogers). Also looking for a fluke shot of the Humpback whales that were recently in Discovery Bay for about a week.</p> <p>Judy- SMP required a draft be sent to Ecology who will review and give comments back. Once it has been agreed upon, it will be released and environmental review will start.</p> <p>Emily- a PSEMP Nearshore Restoration Virtual Summit will be held in March.</p>		

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	<p>Shipwright's Regatta- February 27th!</p> <p>Neil-Bloom of Alexandrium in Sequim Bay, unusually high levels.</p> <p>Troy- October/November worked on rearing hatchery Coho in Sequim.</p> <p>Judy- HB 1117- proposing net ecological gain replace no net loss policy. Need in lieu fees and mitigation banks to make it work, and even still it would be an added cost to development.</p> <p>Pam- meeting this Thursday 5pm through BOCC intergovernmental group on growth and economy and how to deal with those topics.</p>		
ADJOURNMENT	Meeting was adjourned at 8:00PM. The next regularly scheduled meeting will be March 2nd.	Gordon moved to adjourn, seconded by Heidi. Motion passed.	



Jefferson County Marine Resources Committee

Meeting Agenda
Tues, March 2, 2021
6:00-8:00PM

*****Meeting held via conference call*****

Officers/Executive Committee:

Neil Harrington, Chair
Brenda Johnson, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fiskén, NWSC Alternate

MRC Members:

Emily Bishop, District 1
Ray RaLonde District 1
Solenne Walker, District 1 Alt
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Heather Burns, District 3
Sarah Fiskén, District 3
Betsy Carlson, Envir/Conserv
Bryan DeCaterina, Env/Cons Alt
Pam Petranek, Port of PT
Gordon King, Commercial Interest
Nam Siu, Marine Science
Brent Vadopalas, Marine Sci Alt
Heidi Eisenhour, BoCC
Troy McKelvey, Recreation
Roy Clark, Recreation Alt
Judy Surber, City of PT
Neil Harrington, Tribal
_____, U.S. Navy, Indian Is

Staff:

Monica Montgomery, Coordinator
Robert Simmons, WSU Faculty
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Port Hadlock, WA 98339
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jeff.co.mrc@gmail.com

AGENDA

- 6:00** Call to Order
- 6:05** Amendments to/Approval of Agenda
Amendments to/Approval of February 2021 Minutes
- 6:08** Public Comment
- 6:10** BoCC Report (Heidi)
- 6:15** Port of PT Update (Pam)
 - Point Hudson Jetty presentation by Mike Love – 20 min
 - Discussion – 15 min
- 6:50** **Recent Meeting Reports & Issue Updates**
NWSC Meeting (Jeff)
- 6:55** **Administrative Updates** (Monica)
 - Welcome new MRC members
 - Google shared folder + Volunteer hours sheet
- 7:00** **Current Project Updates**
 - Forage fish: Adelma, Dabob, Fort Townsend – 7 min
 - Kelp (Betsy/Monica) – 2 min
 - Rain gardens (Bob) – 8 min
 - No-anchor zones (Troy) – 2 min
 - Education & outreach (Brenda) – 8 min
 - Olympia oysters (Neil) – 8 min
 - Shoreline landowner outreach (Sarah) – 2 min
 - ROV (Jeff) – 5 min
- 7:42** MRC Speakers (Monica)
- 7:47** Public Comment
- 7:50** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

Feb 26, 930am-1230pm – Strait ERN LIO quarterly meeting

Feb 26, 10am-12pm – NWSC meeting

Mar 9, 11am-12pm – Salish Sea transboundary no-anchor zones meeting

Mar 23, 9-10am – MRC executive committee meeting

Mar 26, 10am-12pm – NWSC meeting

Apr 6, 6-8pm – MRC monthly meeting

Ongoing – Port of PT [Meetings](#)

Ongoing – Jefferson BoCC [Meetings](#)

**Jefferson County Marine Resources Committee
Virtual Zoom Meeting
March 2, 2021 Meeting Minutes**

Present:

Neil Harrington, Tribal, Chair
 Jeff Taylor, District 2, NWS Rep.
 Janette Mestre, District 1
 Frank Handler, District 2 Alt.
 Betsy Carlson, Environ/Conserv
 Pam Petranek, *ex officio*, Port of Port Townsend
 Nam Siu, Marine Science
 Heidi Eisenhour, *ex officio*, BoCC District 2
 Troy McKelvey, Recreation
 Heather Burns, District 3

Brenda Johnson, District 2, Vice Chair
 Solenne Walker, District 1
 Liz Hoenig-Kanieski, District 1 Alt.
 Joanie Hendricks, District 3 Alt.
 Bryan DeCaterina, Environ/Conserv Alt.
 Gordon King, Commercial Interest
 Brent Vadopalas, Marine Science Alt.
 Judy Surber, City of Port Townsend
 Roy Clark, Recreation Alt.

Staff: Monica Montgomery, MRC Coordinator

Bob Simmons, WSU Staff

Guests: Mike Love, Ron Sikes, David Winters, Anna Young, Danielle Zitomer, Allie Simpson**Absent:** Sarah Fiskien, District 3, NWS Alt.

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Chair Neil Harrington called the meeting to order at 6:00 PM. Introductions of new members: Liz Hoenig Kanieski, District 1 Alt.; Joanie Hendricks, District 3 Alt.; Janette Mestre, District 1; Solenne Walker, District 1. Emily Bishop and Ray RaLonde resigned. Welcome to new members and guests.	A quorum was present. New appointments were approved at BoCC on Monday, March 1 st .	All members – Please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA APPROVAL OF MINUTES	Neil asked for approval/amendments to the agenda. Gordon moved to approve, seconded by Troy. Approved as written. Neil asked for approval/amendments to the February 2021 minutes. One minor spelling correction for domoic acid. Bryan moved to approve, which was seconded by Betsy. Minutes passed as amended.	Gordon approved the agenda. Troy seconded. Motion passed. Correct domoic acid spelling on page 3, paragraph 4. Bryan approved the February minutes. Betsy seconded. Motion passed with spelling error corrected.	Monica
PUBLIC COMMENT	None.		
BoCC REPORT	Commissioner Eisenhour – Two months in and now sitting on 25 committees, including appointment as Co-Chair of the Strait Ecosystem Recovery Network Local Integration Organization. She is also on the Solid Waste Committee which is required to develop a recycling, contamination reduction and outreach plan by July 1, 2021. County may need to remove plastic recycling (huge problem). However, Port received 50K grant for plastics recycling and is developing a pyrolysis program to chemically break-down plastics and reuse as fuel. May be a silver lining. MRC members can attend Solid Waste Committee meetings. Need to be open to creative solutions. Recycling is free, so people mix garbage with their plastic - very problematic. Recycling required in counties with over 25,000 residents. Pete Langley taking lead on plastics recycling program over next couple of months, then needs funding after that. Fiberglass boat hull recycling program redlined out of Governor's budget last year. Aaron Barnett with Sea Grant is continuing to work on developing a network, with interest from DNR, for a fiberglass boat hull recycling program. On many Environmental Committees, including Navy Seal training proposal at State Parks and Clean Water Advisory Committee (which has a lot of crossover with the MRC). Heidi will be meeting in Bangor to track 40 sites still proposed for Navy Seal training. David Winters asked about styrofoam recycling, with hopes to conduct it twice a year. Hauled 2¼ semi-truck loads to Safeway processing plant. County may need to "spool up" another single site for this type of recycling.		Monica will send link to tap into Solid Waste Committee.

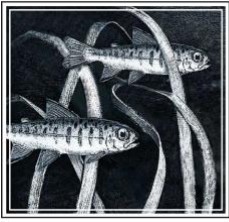
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Port of PT UPDATES	Commissioner Petranek – Point Hudson Jetty was built in 1934, had major repairs 30 yrs later (~1964), more repairs 30 yrs later (~1994), and now 30 yrs later, needs replacement. Introduced Mike Love, the lead engineer, to provide update on the jetty reconstruction plans.
GUEST SPEAKER Port of PT Update Point Hudson Jetty Project	<p>Mike Love – Point Hudson Breakwater Improvement Project. One of the most important projects the Port of PT is working on, as it protects the port marina for 70+ boats. The last retrofit was in 1996, which required repair of the ends of the breakwater and some filling of rock. The most substantial rehabilitation work was in 1969, which included adding piling every 3 ft with walers. The original 1934 internal structure had creosote piles and rock-fill. Due to storms from the south that hammer the breakwater, the existing condition has timber piles, walers, cable tiebacks and rock armor deterioration and weathering; rocks break down and work through staggered piling; walers are also deteriorating and no longer extend to hold back the 1934 piling; and steel cable ties are fraying. Extensive storm damage in 2018 following high tides, extreme wind and waves prompted the Port to seek funding for repair.</p> <p><u>Design Objectives:</u> Complete removal and replacement is the current plan based on engineering, aesthetics, environmental considerations, and constructability. The original design was the sheet pile wall, which opened bid, but there was not enough money and negative public feedback. Refocused on new objectives to last 30 years (typical), consider sea level rise, build it 3 ft taller with larger granite rocks and steel piling, reduce its footprint, protect eelgrass, minimize risks, and minimize costs, delays and overruns.</p> <p><u>Alternate Evaluation:</u> Encapsulation vs. Replacement. With encapsulation, additional weathering of existing stone would be too detrimental overall. Complete replacement of both breakwaters is needed. The design for replacement will be similar in style to the existing breakwaters, with new materials and a walkway on the south breakwater.</p> <p><u>Breakwater Design:</u> New battered, uncoated steel pipe piles closely spaced (3 ft on centers), to match existing aesthetics; additional tiebacks and walers on top of piles to support; and large high-quality riprap (granite) and walkway on top of the south jetty. Selected design is 3 ft taller with materials historically used. Permit drawings with cross-section shows new large armor stones as rock fill. Dredging will be required once the breakwater is complete to make sure the channel is navigable.</p> <p><u>Funding:</u> Current sources include RCO, EDA Grant and Port Funding. RCO federal funds via a boat grant has been the source of money since 2016-2017 and requires NEPA review process.</p> <p><u>Project Costs:</u> Construction \$13.6 million; Engineering, Permitting and Bid Docs \$400k, Construction South and North (\$500k); Grand Total = \$14.5 million.</p> <p><u>Permitting:</u> Will include replacement of both breakwaters. Best case scenario is to have the existing permit modified for current design and completed within six months. Currently working through permit modification, first with federal grant, then local permits.</p> <p><u>Environmental Considerations:</u> Creosote removal of 827 piles, smaller footprint, rock and debris removal, in-water work season (July–February), vibratory pile driver (vs. impact type), bubble curtain (mitigates noise from use of steel piles), floating debris boom, silt containment curtain, hours of work (7am–7pm), eelgrass avoidance and minimizing impacts to marina operation. Project will go on for months and be loud and noisy.</p> <p><u>Timeline:</u> Project may take two construction seasons, starting with construction of the north breakwater. Earliest possible start date is August 2021, with completion of the north breakwater in March 2022. Will require five months of in-water work, if there are no delays: 5 weeks for demolition and 12.5-14 weeks for construction.</p> <p>Bryan asked for clarification of the meaning of “non-jurisdictional eelgrass.” Eelgrass that is within the marina and potentially removed due to dredging to -12 ft elevation to ensure a navigable channel. Eelgrass mitigation may be required, onsite or offsite, still to be determined. Needs to be addressed.</p> <p>Jeff asked about debts and servicing debts. Project is currently fully funded, and the Port has a secured line of credit; a requirement of EDA funding is to show full capacity (50% from EDA as funding partner). Port is continuing to seek additional funding through the State legislature for an additional 7 million (IDD funds). Tax revenues are set from IDD each year, yet can be adjusted to what the Port needs, with ability to bridge gaps through loans while waiting for funding. There won’t be additional costs to the community or additional user fees as a result of this project. Paying off with current tax rates.</p> <p>Judy highly recommended the Port to contact the City asap, to meet their current schedule. JARPA sent to Feds, but not local jurisdiction. August 2021 sets a tough timeline for the City to meet, with SEPA and flood development review needed due to FEMA audit. Mike Love said they just recently completed JARPA and will send to the City.</p> <p>Nam noted that it is a tight timeline for beginning in August 2021. Need to review modification of permits, DFW can’t issue until City gets through SEPA process. Recommends meeting with Nam and City at the same time.</p>

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	<p>Neil commented on it being a great dive site with man-made habitat and rocky substrate that is good habitat even for abalone, and a community resource as a dive site, too. Asked if some of the rocks will be re-used for habitat. The dive community previously asked the Port to move the rocks adjacent to the jetty to continue to offer good habitat, but that was determined to be too expensive and would require additional permitting.</p> <p>Dave Winters asked about extending walkway along Jackson Street. Mike Love says considering for future projects, a walking system out and around the point, but not part of this project.</p>	
RECENT MEETING REPORTS AND ISSUE UPDATES	<p>NWSC Meeting (Jeff) – Presentation by Alexandra Gradwohl, WA Trust for Historical Preservation, on a new maritime heritage area in Washington. Their aim is to use a locally based approach to identify needs and to maintain cultural resources along 3,000 miles of shoreline. They are looking for input via survey. Katie Harris accepted a new position. There is currently a hiring freeze, so much appreciation for Allie, Sasha and others who are taking on the extra load. Current funding is \$910,000, still in the Governor’s budget (not cut yet).</p> <p>Recommended new (and current) MRC members attend the NW Straits 101 presentation at 12-1pm on 4/15.</p>	<p>Maritime Washington Survey here - https://docs.google.com/forms/d/e/1FAIpQLSdx-bPjyns4m6u5FmGuipz0qu46nU-cBT6bKPH-uQFaj6gQQ/viewform</p>
Administrative	<p>Monica – shared that the NWSF grant deadline was extended. Currently funds two MRC projects: Fort Townsend forage fish monitoring and Shoreline Landowner Outreach work. The MRC will continue monitoring forage fish spawning through November 2022 at Fort Townsend. Shoreline Landowner Outreach funding is extended through August 2022.</p> <p>Google shared folder created and example provided. Trying a new way to share volunteer hours on sheet. You can also find the Business Rules, Project Teams list, MRC speakers and topics list, etc.</p> <p>Meeting agendas and minutes dating back to 2016 can be found on the Jefferson MRC website – click on “Meetings & Events” then the green box that says, “Agendas & Minutes.”</p>	<p>Monica will send Google shared folder link – see email for info.</p>
CURRENT & UPCOMING PROJECTS	<p>Forage Fish Monitoring (Jeff/Sarah) – Adelma Beach - sampled again, no results yet. Disco Bay - sampled again. Fort Townsend was sampled again, last survey for the season in March.</p> <p>Kelp (Betsy) – Thanks to Emily, she made great videos on how to use YSI. In Google shared folder under “Projects” then “Kelp.” Looking at tides next month to schedule summer survey dates.</p> <p>No-Anchor Zones (Troy) – Attending the monthly meetings with other MRCs and Canadian organizations working on starting their own no-anchor zones to protect eelgrass.</p> <p>Rain Gardens (Bob) – Quilcene School is digging a new rain garden to manage runoff from the southern half of the school parking lot on 3/3. This will be the second rain garden here. There is already one that receives runoff from the north half of the parking lot. Plants were donated from an MRC project leftover. Bob will be out with the excavators tomorrow (3/3), then adding bioretention soils, leveling, and planting with students. Need to purchase a few wetland plants. The PT Maritime School program contacted Bob about the MRC doing a rain garden rehabilitation project between Swan Hotel and NW Maritime Center. One was put in long ago with the Maritime Center but is now overgrown with weeds and grasses. Students will remove soils, return and reuse plants and mulch. Rain garden subcommittee approved funds for bioretention soils, mulch and additional plants. Not the entire stretch, but about 30 feet along Swan Hotel. Happening second half of the school year, this spring. Working with Laura Parsons to identify the best rain garden area within city limits. Will come back to the rain garden subcommittee and propose for late summer.</p> <p>Education and Outreach (Brenda) – Had a meeting on 2/10 to develop and set priorities for efforts related to climate change education, increasing visibility of the MRC, and developing a lecture series. Next meeting will be 3/4 to discuss projects with \$2700 to spend, and the new RFP to come out in March for 2022-2023. Working on proposals for new projects, will share at next MRC meeting.</p> <p>Olympia Oysters (Neil) – Had a subcommittee meeting a couple weeks back to decide on 2021 work plan. Plan to add more shell at the lagoon site of Discovery Bay and modify</p>	

	<p>permit to place additional shell at the Powerlines site in the next couple of years. Oysters continue to drift south outside the enhancement site and into adjacent parcel. The lease for this parcel has expired, so available for re-lease or ROE. At the very least, would like to conduct a survey at this site. Exploring Kilisut Harbor for another restoration area down the line. Met with Brady Blake (WDFW) to update him on our progress and discuss additional sites for restoration in Jefferson County. Will schedule a field trip in the next couple of weeks to get the Olympia Oyster subcommittee folks out to the lagoon site. Gordon is working on how and where to get shell.</p> <p>Shoreline Landowner Outreach (Sarah) – Had the virtual shoreline landowner workshop on 2/24. Will share the recording when it becomes available.</p> <p>ROV – Jeff will be meeting with the Sea Dragons team on 3/2 about work at Discovery Bay. Monica will be working on getting permits for removing crab pots. Bryan suggested a site at Fort Flagler. A community member at Cape George is willing to lend his boat for the Discovery Bay site.</p> <p>MRC Speakers – Monica invited Tori Cantelow (Point No Point Treaty Council) to present on the past 5 years of post-restoration monitoring at Fort Townsend. Polling determined the next guest speaker, Filipe Alberto, to present on Pacific kelp genetics and how they inform kelp recovery and seaweed farming. Speaker poll was a “try out” and we’ll continue to hone it and see how it works at the next meeting.</p>		
MRC ROUNDTABLE/ ANNOUNCEMENTS	<p>Betsy – next PTMSC lecture on Puffins with John Piatt on March 14th, 3pm.</p> <p>Neil – Derek Kilmer spoke at the last Strait ERN LIO quarterly meeting, about the Wild Olympics bill that passed the House. Worked hard on Wild Olympics to get buy-in from shellfish growers, hunters and fishermen.</p> <p>Jeff - Puget Sound Day on the Hill, April 23-May 21, is virtual and will be every Friday. Access registration and other information through the Puget Sound Partnership website https://psp.wa.gov/psdoth2021.php.</p> <p>Bob – Virtual Beach Naturalist class, April 13-May 18. Twice a week with two shorter sessions each week. Former Beach Naturalists now MRC members include Brenda, Janette and Frank. Monica will share the link to register. Please share with neighbors and friends: https://2021.kitsap-jefferson.beachnaturalists.eventbrite.com</p> <p><u>Questions/Discussion:</u> Janette asked about the Skokomish Tribe shoreline proposal in Dabob Bay. Neil responded that the MRC Advisory capacity is to the BoCC, whereas the permit application is with DCD. The system is set up through the County, so the MRC does not want to create a “runaround.” Nam Siu says we can respond individually (i.e., as citizens). If a project is significant enough in its potential impacts to county marine resources, we should consider voting and providing comment. Comment periods can be short and difficult to get onto our monthly agenda to meet deadlines. Judy shared that the MRC has had these discussions over the years and suggested checking in with the BoCC to get input. If we decide to review and comment, comments go to the BoCC and then they decide whether they forward that on. We’ve been invited by the BoCC to comment on the Brinnon sub-area plan.</p> <p>The MRC has had a big turnover these last 15 months, with new Commissioners. May need to have a bigger conversation in April or May meeting. What have other MRCs determined as the best way to provide comments to County Commissioners? Is the MRC a resource for the County as a whole? Needs more discussion.</p>		Heidi - will check with Commissioners and report back.
ADJOURNMENT	Meeting was adjourned at 8:08PM. Next meeting will be April 6 th .	Brenda moved to adjourn, seconded by Gordon. Motion passed.	



Jefferson County Marine Resources Committee

Meeting Agenda
Tues, April 6, 2021
6:00-8:00PM

*****Meeting held via conference call*****

Officers/Executive Committee:

Neil Harrington, Chair
Brenda Johnson, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fiskén, NWSC Alternate

MRC Members:

Solenne Walker, District 1
Janette Mestre, District 1
Liz Hoenig Kaneski, District 1 Alt
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Heather Burns, District 3
Sarah Fiskén, District 3
Joanie Hendricks, District 3 Alt
Betsy Carlson, Envir/Conserv
Bryan DeCaterina, Env/Cons Alt
Pam Petranek, Port of PT
Gordon King, Commercial Interest
Nam Siu, Marine Science
Brent Vadopalas, Marine Sci Alt
Heidi Eisenhour, BoCC
Troy McKelvey, Recreation
Roy Clark, Recreation Alt
Judy Surber, City of PT
Neil Harrington, Tribal
_____, U.S. Navy, Indian Is

Staff:

Monica Montgomery, Coordinator
Robert Simmons, WSU Faculty
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AGENDA

- 6:00** Call to Order
- 6:05** Amendments to/Approval of Agenda
Amendments to/Approval of March 2021 Minutes
- 6:08** Public Comment
- 6:10** Guest Speaker: Dr. Filipe Alberto, Pacific kelp genetics
- 6:50** BoCC Report (Heidi) – 5 min
- 6:55** Port of PT Update (Pam) – 5 min
- 7:00** **Recent Meeting Reports & Issue Updates**
NWSC Meeting (Jeff)
- 7:05** **Administrative Updates (Monica)**
- MRC business rules (Brenda) – 5 min
 - Google shared folder
 - 2021-2023 RFP
- 7:15** **Current Project Updates**
- Forage fish (Adelma, Dabob, Fort Townsend) – 2 min
 - Kelp (Betsy) – 1 min
 - Rain gardens (Bob) – 5 min
 - No-anchor zones (Troy) – 1 min
 - Education & outreach (Brenda) – 5 min
 - Olympia oysters (Neil) – 5 min
 - Shoreline landowner outreach (Sarah) – 3 min
 - ROV (Jeff) – 3 min
- 7:40** MRC Speakers (Monica)
- 7:47** Public Comment
- 7:50** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

Apr 15, 12-1pm – NWSI 101 [presentation](#)

Apr 21, 9-10am – MRC Executive Committee meeting

Apr 21, 1-4pm – HCCC Board of Director's [meeting](#)

Apr 23-May 21, 1-230pm – Puget Sound Days on the Hill [virtual sessions](#)

Apr 30, 10am-12pm – NWSC [meeting](#)

May 4, 6-8pm – MRC monthly [meeting](#)

Ongoing – Port of PT [Meetings](#)

Ongoing – Jefferson BoCC [Meetings](#)

Jefferson County Marine Resources Committee

Virtual Zoom Meeting

April 6, 2021 Meeting Minutes

Present:

Neil Harrington, Tribal, Chair
 Brenda Johnson, District 2, Vice Chair
 Jeff Taylor, District 2, NWS Rep.
 Sarah Fisksen, District 3, NWS Alt.
 Janette Mestre, District 1
 Pam Petranek, *ex officio*, Port of Port Townsend
 Heidi Eisenhour, *ex officio*, BOCC
 Troy McKelvey, Recreation
 Gordon King, Commercial Interest
 Brent Vadopalas, Marine Science Alt.
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 Frank Handler, District 2 Alt.
 Heather Burns, District 3
 Joanie Hendricks, District 3 Alt.
 Judy Surber, City of Port Townsend
 Roy Clark, Recreation Alt.
 Bryan DeCaterina, Env/Conserv Alt.

Absent:

Solenne Walker, District 1
 Liz Hoenig Kanieski, District 1 Alt.
 Nam Siu, Marine Science

Guests: Emily Bishop, Gray McKenna, Kristopher Clark, David Winters, Barbara Moore-Lewis
 Filipe Alberto, Anne Murphy

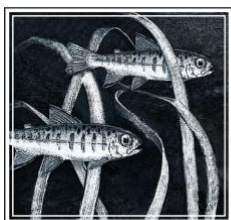
Staff: Monica Montgomery, MRC Coordinator
 Bob Simmons, WSU Staff

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Vice Chair Brenda Johnson called the meeting to order at 6:02 PM. Guests introduced themselves in the chat box.	A quorum was present.	All members – please update volunteer hours
AMENDMENTS TO/APPROVAL OF AGENDA	Brenda asked for approval/amendments to the Agenda. Troy moved to approve. This was seconded by Gordon. Approved as written.	Troy moved to approve the agenda. Gordon seconded. Motion passed.	
APPROVAL OF MINUTES	Brenda asked for approval/amendments to the March 2021 Minutes. Sarah Fisksen clarified that Aaron Barnett is the Sea Grant staff referenced in the Port update. Sarah moved to approve, which was seconded by Neil. Minutes passed as amended.	Sarah moved to approve the March Minutes as amended. Seconded by Neil. Motion passed.	
PUBLIC COMMENT	Barbara Moore-Lewis, representing the Brinnon Group- In 2018, the MRC sent a letter to the BoCC about the Pleasant Harbor Master Planned Resort (MPR) in Brinnon. The Brinnon Group shares the concerns expressed in the letter. The letter stated that the MPR should comply with the County approved water quality plan, with monitoring to be paid for by the developer and to include regular offsite and onsite monitoring. In the event of deterioration, the County should consult with the MPR, residents, and the Department of Fish and Wildlife (WDFW). There's been extensive logging in the last year. The Brinnon Group wants to know what the County has approved for the water quality monitoring plan. There has been a history of lawsuits regarding this development. Commissioner Eisenhour- will look into this and report back at next month's meeting. Will talk to the Developer, head of Department of Community Development, the Civil Deputy Prosecuting Attorney, and the Clean Water District Director.		
Guest Speaker: Dr. Filipe Alberto	Pacific Kelp Genetics- Why do we care about genetic diversity? It allows us to get a sense of past population history, current life history, and hints towards future evolvability and resilience. In recent years, kelp has been in the news because of steep		

	<p>declines in California. Salish Sea populations are small and fragmented.</p> <p>Bull kelp range-wide genetic structure</p> <ul style="list-style-type: none"> • Research questions about the extent of dispersal and response to previous glaciation/environmental conditions. • Samples collected at 50+ sites from Alaska to California. • Used microsatellites to look at areas in the genetic code prone to higher mutation rates. • Oregon & California populations were distinct from outer and inner Washington, which were distinct from Haida Gwaii and Alaska. Washington had less diversity than other regions. Suggests that bull kelp had two refugia (north and south) during the last glaciation. • Giant kelp increases in diversity towards Baja California. • Allelic richness decreases with distance from Tatoosh Island, towards inner Puget sound. <p>Kelp rafts might matter for dispersal, but this happens over many generations.</p> <p>Seascape genetic analysis of differentiation in the Salish Sea</p> <ul style="list-style-type: none"> • Associated the genetics analysis with ocean currents and environmental variation. • Simulated a spore release. • Considered isolation by distance, oceanographic transport, and environment (summer sea surface temperature, light penetration, chlorophyll a values). • Oceanic distance had the greatest association, more than spatial distance or environmental factors. Cannot point to causation, but association hints that something might be going on. <p>Populations in the inner Salish Sea are isolated, with low genetic diversity. How to interpret this low genetic diversity? Need further studies to determine whether to preserve the inner Salish Sea populations in isolation, or to plan for genetic rescue from the Strait of Juan de Fuca. Planning to continue research (field transplants, temperature tolerances) and genomic analysis. Will look for inbreeding and mapping back to the genome.</p> <p>Looking ahead to breeding/conservation</p> <ul style="list-style-type: none"> • Working on creating a seed bank of gametophytes to continue kelp genetic analysis. • Working with Puget Sound Restoration Fund. Have collected 1400 gametophytes which will be expanded in 2021 to cover more sites. • The future of kelp mariculture is promising, and there is currently no selection and improvement of traits, though selection requires genetic diversity and that is lacking in Puget Sound. <p>Lingering question: If bull kelp in the inner Puget Sound is to be managed without genetic rescue, is there a future for aquaculture in the region?</p> <p>Crossing isolated populations, even within Puget sound may increase hybrid vigor.</p> <p>When population size decreases, usually genetic diversity decreases. But we don't know where the south Puget sound population started.</p> <p>No unique alleles were found in the Puget Sound population.</p>		
BoCC REPORT	<p>Commissioner Eisenhower – The Olympic Coast National Marine Sanctuary is getting a new boat, currently deciding on its name. A great resource in our region for research.</p> <p>Commissioner Eisenhower sent a letter to Congressman Derek Kilmer in support of the Columbia Basin Plan to take out the Snake River Dams. This is the beginning of a conversation.</p> <p>Met with the Navy Seals and saw a demonstration of their training. Still pushing for information on the other locations where they plan to do training operations in Jefferson County. Received a letter in response that they would not be providing that information.</p>		

	<p>Attended a presentation on the impact of growlers (Navy planes) on marine species. Study proved that the growler sound does break the water barrier and there may be ways to reduce impact of noise on marine species, such as increasing the elevation of growler flights.</p> <p>The Devils Lake Natural Area Proposal, which is for land adjacent to Dabob Bay, will not receive funding this year. None of the Trust Land projects will be funded, as the program did not make it in the State capital budget.</p> <p>The BoCC will host a public meeting regarding the Port Hadlock sewer on Thursday April 15th.</p> <p>Attended the Strait ERN LIO meeting- the group is looking at how sovereignty issues intersect with the legislative agenda. Looking to form a different kind of dialogue that will reflect all members of the LIO.</p>		
Port of PT Update	<p>Commissioner Petranek- The work on permitting is ongoing for the Point Hudson Jetty, as is investigation into constructability. Anticipates more discussion soon regarding timing.</p> <p>Stormwater- there's an update that's being proposed by Ecology that would significantly change requirements for the boat yard. To fulfill the new requirements would cost \$2.5million in investments. Asking for funding through the state to make the upgrades.</p> <p>Quilcene- Beginning to work on conducting a walking tour and creating a website to serve as a point of reference and engage the community. Hired someone to start interviewing community members regarding port property (~60acres) in Quilcene.</p>	Email Pam if you know anyone who would like to be involved in the process	Everyone
Recent Meetings and Issues Update	<p>NWSC Meeting (Jeff)- Cecilia Gobin presented a letter that NWIFC sent to Governor Inslee about the impact of increased recreational activity in Puget Sound on the joint management of natural resources.</p> <p>NW Straits (led by Cecilia Gobin and Allie Simpson) put together a land acknowledgement greeting. Seeking feedback from tribal reps on MRCs.</p> <p>Julia Parrish on the Commission is interested in learning from MRC projects that have failed, in a "failing forward" learning effort. Added onto Actions to Impacts.</p> <p>Veteran interns will help with green crab removal and communications and outreach this year.</p> <p>NW Straits 101 is April 15th.</p> <p>Monica- met with other MRC Coordinators and NWSC staff. Annual presentations from MRCs to the Commission will take place in May and June. The MRC conference is going to be virtual this year, on October 29th.</p>		
Administrative	<p>MRC Business Rules (Brenda)- Last amended in 2016. Brenda gave a brief summary. We can amend these rules if we choose and hope to have a discussion soon about the representation on the MRC and bring the document up to date.</p> <p>Google shared folder (Monica)- hasn't gotten much feedback but likes it so far. Volunteer reporting seems to be working well.</p> <p>2021-2023 RFP (Monica)- Deadline is June 8th. Anticipating funding for the full amount (\$94k each year, for two years) which covers everything except Fort Townsend forage fish monitoring and shoreline landowner outreach, which are funded through the NW Straits Foundation.</p> <p>Bob will be taking professional leave in the Fall. This frees up some funds, as the rain garden project will be scaled back.</p> <p>Jeff- Some of these excess funds may be directed towards using side-scan sonar in Discovery Bay. There are some challenges with permitting to remove the pots, but Monica is working on it. There are no guarantees that the ROV will work for detecting derelict crab pots, so Jeff has been researching side-scan sonar options.</p>	<p>If you're going to miss a meeting, reach out to the alternate for your position and make sure they'll be in attendance</p> <p>Let Monica know if you need help accessing the Google Drive Folder</p> <p>Send link again for access</p>	<p>Everyone</p> <p>Everyone</p> <p>Monica</p>

Current Project Updates and Subcommittees	<p>Forage Fish Adelma, Fort Townsend, Dabob- Adelma (Jeff)- Troy helped Jeff take samples on March 23rd, it was a beautiful day. Dabob (Sarah)- Sampled on the March 18th with Monica and Cheryl, and will deliver samples after collecting the next one. Fort Townsend (Monica)- wrapped up 5 years of post-restoration monitoring in March. Hoping to have Tori or Shannon from PNPTC to present results to the MRC.</p> <p>Kelp (Betsy)- NW Straits is hosting a season kickoff meeting on May 6th. Will coordinate a meeting soon and pick up the YSI gear from Emily.</p> <p>Rain Gardens (Bob)- Working with high school students at the Maritime Center. Getting ready to plant. There was a delay because of COVID, but plants fared well and will be delivered in March. Chetzemoka rain garden needs some infilling. Looking for limited numbers of volunteers in end of April/beginning of May.</p> <p>Bob will be taking a sabbatical from September to May to research seaweed aquaculture.</p> <p>No-Anchor Zones (Troy)- Hoping to go out next month to change the winter to the summer buoys.</p> <p>Education and Outreach (Brenda)- Team met in March and discussed spending money on advertising, checking the signage that's currently in place, and creating some filler posters for a-frame signs. Looking into Facebook/website/newsletter postings to expand visibility and credibility of the MRC, how to present the effects of climate change on local resources, and developing a speaker series. Some ideas being considered: create an audio guide for local shorelines, help kids encounter the shoreline with oyster test sites, rain garden walking/driving tool and story map (maybe hire an intern for that project).</p> <p>Olympia oysters (Neil)- Going to be spreading shell at the lagoon site in Discovery Bay at noon on Friday April 16th. Could use more help, contact Monica if interested. Talked to several people about the south end of Scow Bay (Kilisut Harbor) as a potential restoration area. First step will be setting out shell on dowels to see what kind of natural recruitment exists there.</p> <p>Shoreline Landowner Outreach (Sarah)- Survey was sent out to attendees of workshop in February. Most people are interested in a vegetation workshop, sometime this year. Subcommittee met to discuss site visits this summer and came up with three in Dabob Bay. The Cape George community contact is also interested in a general workshop.</p> <p>ROV (Jeff)- Might consider Fort Flagler as an alternate or additional site.</p>		
MRC Speakers	Monica- looking for feedback on the poll method. The group completed a new poll to pick an upcoming speaker.	Share results in follow-up email	Monica
PUBLIC COMMENT	Public Comments – none.		
MRC member announcements	<p>Betsy- The Port Townsend Marine Science Center is opening up by reservation.</p> <p>Bob- WSU Beach Naturalist training starts next Tuesday, April 13. There are still two spaces available.</p> <p>If anyone wants a shellfish hatchery job, give Gordon a call.</p>		
ADJOURNMENT	Meeting was adjourned at 8:00PM. The next regularly scheduled meeting will be May 4th.	Neil moved to adjourn, seconded by Gordon. Motion passed.	



Jefferson County Marine Resources Committee

Meeting Agenda
Tues, May 4, 2021
6:00-8:00PM

*****Meeting held via conference call*****

Officers/Executive Committee:

Neil Harrington, Chair
Brenda Johnson, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fiskens, NWSC Alternate

MRC Members:

Solenne Walker, District 1
Janette Mestre, District 1
Liz Hoenig Kaneski, District 1 Alt
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Heather Burns, District 3
Sarah Fiskens, District 3
Joanie Hendricks, District 3 Alt
Betsy Carlson, Envir/Conserv
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Pam Petranek, Port of PT
Gordon King, Commercial Interest
Nam Siu, Marine Science
Brent Vadopalas, Marine Sci Alt
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Troy McKelvey, Recreation
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Judy Surber, City of PT
Neil Harrington, Tribal
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Staff:

Monica Montgomery, Coordinator
Robert Simmons, WSU Faculty
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AGENDA

- 6:00** Call to Order
- 6:05** Amendments to/Approval of Agenda
Amendments to/Approval of April 2021 Minutes
- 6:08** Public Comment
- 6:10** **Guest Speaker:** Emily Buckner, Pacific NW Crab Research Group
- 6:50** BoCC Report (Heidi)
- 6:55** Port of PT (Pam)
- 7:00** **Recent Meeting Reports & Issue Updates**
NWSC Meeting (Jeff)
- 7:05** **Administrative Updates**
- Business rules (Brenda)
 - 2021-2023 RFP scope & budget review (Monica)
- 7:10** **Current Project Updates**
- Forage fish – Adelma (Jeff), Dabob (Sarah)
 - Kelp (Betsy)
 - Rain gardens (Bob)
 - No-anchor zones (Troy)
 - Olympia oysters (Neil)
 - Shoreline landowner outreach (Sarah)
 - Education & outreach (Brenda)
 - ROV (Jeff)
- 7:42** MRC Speakers (Monica)
- 7:47** Public Comment
- 7:50** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

May 6, 1-4pm – NWSI kelp season prep
May 7, 9:30am-2:30pm – Strait ERN LIO spring quarterly meeting
May 19, 9-10am – MRC executive committee meeting
May 19, 1-4pm – HCCC Board of Director's meeting
May 27 – Solid Waste Advisory Committee meeting
May 28, 10am-12pm – NWSC meeting
June 1, 6-8pm – MRC monthly meeting
Ongoing – Port of PT [Meetings](#)
Ongoing – Jefferson BoCC [Meetings](#)

Jefferson County Marine Resources Committee

Virtual Zoom Meeting

April 6, 2021 Meeting Minutes

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Neil Harrington, Tribal, Chair
 Brenda Johnson, District 2, Vice Chair
 Jeff Taylor, District 2, NWS Rep.
 Sarah Fisksen, District 3, NWS Alt.
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 Judy Surber, City of Port Townsend
 Roy Clark, Recreation Alt.
 Bryan DeCaterina, Env/Conserv Alt.

Absent:

Solenne Walker, District 1
 Liz Hoenig Kanieski, District 1 Alt.
 Nam Siu, Marine Science

Guests: Emily Bishop, Gray McKenna, Kristopher Clark, David Winters, Barbara Moore-Lewis
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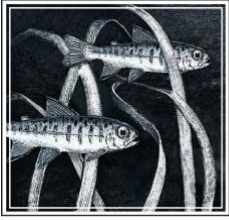
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Guest Speaker: Dr. Filipe Alberto	Pacific Kelp Genetics- Why do we care about genetic diversity? It allows us to get a sense of past population history, current life history, and hints towards future evolvability and resilience. In recent years, kelp has been in the news because of steep		

	<p>declines in California. Salish Sea populations are small and fragmented.</p> <p>Bull kelp range-wide genetic structure</p> <ul style="list-style-type: none"> • Research questions about the extent of dispersal and response to previous glaciation/environmental conditions. • Samples collected at 50+ sites from Alaska to California. • Used microsatellites to look at areas in the genetic code prone to higher mutation rates. • Oregon & California populations were distinct from outer and inner Washington, which were distinct from Haida Gwaii and Alaska. Washington had less diversity than other regions. Suggests that bull kelp had two refugia (north and south) during the last glaciation. • Giant kelp increases in diversity towards Baja California. • Allelic richness decreases with distance from Tatoosh Island, towards inner Puget sound. <p>Kelp rafts might matter for dispersal, but this happens over many generations.</p> <p>Seascape genetic analysis of differentiation in the Salish Sea</p> <ul style="list-style-type: none"> • Associated the genetics analysis with ocean currents and environmental variation. • Simulated a spore release. • Considered isolation by distance, oceanographic transport, and environment (summer sea surface temperature, light penetration, chlorophyll a values). • Oceanic distance had the greatest association, more than spatial distance or environmental factors. Cannot point to causation, but association hints that something might be going on. <p>Populations in the inner Salish Sea are isolated, with low genetic diversity. How to interpret this low genetic diversity? Need further studies to determine whether to preserve the inner Salish Sea populations in isolation, or to plan for genetic rescue from the Strait of Juan de Fuca. Planning to continue research (field transplants, temperature tolerances) and genomic analysis. Will look for inbreeding and mapping back to the genome.</p> <p>Looking ahead to breeding/conservation</p> <ul style="list-style-type: none"> • Working on creating a seed bank of gametophytes to continue kelp genetic analysis. • Working with Puget Sound Restoration Fund. Have collected 1400 gametophytes which will be expanded in 2021 to cover more sites. • The future of kelp mariculture is promising, and there is currently no selection and improvement of traits, though selection requires genetic diversity and that is lacking in Puget Sound. <p>Lingering question: If bull kelp in the inner Puget Sound is to be managed without genetic rescue, is there a future for aquaculture in the region?</p> <p>Crossing isolated populations, even within Puget sound may increase hybrid vigor.</p> <p>When population size decreases, usually genetic diversity decreases. But we don't know where the south Puget sound population started.</p> <p>No unique alleles were found in the Puget Sound population.</p>		
BoCC REPORT	<p>Commissioner Eisenhower – The Olympic Coast National Marine Sanctuary is getting a new boat, currently deciding on its name. A great resource in our region for research.</p> <p>Commissioner Eisenhower sent a letter to Congressman Derek Kilmer in support of the Columbia Basin Plan to take out the Snake River Dams. This is the beginning of a conversation.</p> <p>Met with the Navy Seals and saw a demonstration of their training. Still pushing for information on the other locations where they plan to do training operations in Jefferson County. Received a letter in response that they would not be providing that information.</p>		

	<p>Attended a presentation on the impact of growlers (Navy planes) on marine species. Study proved that the growler sound does break the water barrier and there may be ways to reduce impact of noise on marine species, such as increasing the elevation of growler flights.</p> <p>The Devils Lake Natural Area Proposal, which is for land adjacent to Dabob Bay, will not receive funding this year. None of the Trust Land projects will be funded, as the program did not make it in the State capital budget.</p> <p>The BoCC will host a public meeting regarding the Port Hadlock sewer on Thursday April 15th.</p> <p>Attended the Strait ERN LIO meeting- the group is looking at how sovereignty issues intersect with the legislative agenda. Looking to form a different kind of dialogue that will reflect all members of the LIO.</p>		
Port of PT Update	<p>Commissioner Petranek- The work on permitting is ongoing for the Point Hudson Jetty, as is investigation into constructability. Anticipates more discussion soon regarding timing.</p> <p>Stormwater- there's an update that's being proposed by Ecology that would significantly change requirements for the boat yard. To fulfill the new requirements would cost \$2.5million in investments. Asking for funding through the state to make the upgrades.</p> <p>Quilcene- Beginning to work on conducting a walking tour and creating a website to serve as a point of reference and engage the community. Hired someone to start interviewing community members regarding port property (~60acres) in Quilcene.</p>	Email Pam if you know anyone who would like to be involved in the process	Everyone
Recent Meetings and Issues Update	<p>NWSC Meeting (Jeff)- Cecilia Gobin presented a letter that NWIFC sent to Governor Inslee about the impact of increased recreational activity in Puget Sound on the joint management of natural resources.</p> <p>NW Straits (led by Cecilia Gobin and Allie Simpson) put together a land acknowledgement greeting. Seeking feedback from tribal reps on MRCs.</p> <p>Julia Parrish on the Commission is interested in learning from MRC projects that have failed, in a "failing forward" learning effort. Added onto Actions to Impacts.</p> <p>Veteran interns will help with green crab removal and communications and outreach this year.</p> <p>NW Straits 101 is April 15th.</p> <p>Monica- met with other MRC Coordinators and NWSC staff. Annual presentations from MRCs to the Commission will take place in May and June. The MRC conference is going to be virtual this year, on October 29th.</p>		
Administrative	<p>MRC Business Rules (Brenda)- Last amended in 2016. Brenda gave a brief summary. We can amend these rules if we choose and hope to have a discussion soon about the representation on the MRC and bring the document up to date.</p> <p>Google shared folder (Monica)- hasn't gotten much feedback but likes it so far. Volunteer reporting seems to be working well.</p> <p>2021-2023 RFP (Monica)- Deadline is June 8th. Anticipating funding for the full amount (\$94k each year, for two years) which covers everything except Fort Townsend forage fish monitoring and shoreline landowner outreach, which are funded through the NW Straits Foundation.</p> <p>Bob will be taking professional leave in the Fall. This frees up some funds, as the rain garden project will be scaled back.</p> <p>Jeff- Some of these excess funds may be directed towards using side-scan sonar in Discovery Bay. There are some challenges with permitting to remove the pots, but Monica is working on it. There are no guarantees that the ROV will work for detecting derelict crab pots, so Jeff has been researching side-scan sonar options.</p>	<p>If you're going to miss a meeting, reach out to the alternate for your position and make sure they'll be in attendance</p> <p>Let Monica know if you need help accessing the Google Drive Folder</p> <p>Send link again for access</p>	<p>Everyone</p> <p>Everyone</p> <p>Monica</p>

Current Project Updates and Subcommittees	<p>Forage Fish Adelma, Fort Townsend, Dabob- Adelma (Jeff)- Troy helped Jeff take samples on March 23rd, it was a beautiful day. Dabob (Sarah)- Sampled on the March 18th with Monica and Cheryl, and will deliver samples after collecting the next one. Fort Townsend (Monica)- wrapped up 5 years of post-restoration monitoring in March. Hoping to have Tori or Shannon from PNPTC to present results to the MRC.</p> <p>Kelp (Betsy)- NW Straits is hosting a season kickoff meeting on May 6th. Will coordinate a meeting soon and pick up the YSI gear from Emily.</p> <p>Rain Gardens (Bob)- Working with high school students at the Maritime Center. Getting ready to plant. There was a delay because of COVID, but plants fared well and will be delivered in March. Chetzemoka rain garden needs some infilling. Looking for limited numbers of volunteers in end of April/beginning of May.</p> <p>Bob will be taking a sabbatical from September to May to research seaweed aquaculture.</p> <p>No-Anchor Zones (Troy)- Hoping to go out next month to change the winter to the summer buoys.</p> <p>Education and Outreach (Brenda)- Team met in March and discussed spending money on advertising, checking the signage that's currently in place, and creating some filler posters for a-frame signs. Looking into Facebook/website/newsletter postings to expand visibility and credibility of the MRC, how to present the effects of climate change on local resources, and developing a speaker series. Some ideas being considered: create an audio guide for local shorelines, help kids encounter the shoreline with oyster test sites, rain garden walking/driving tool and story map (maybe hire an intern for that project).</p> <p>Olympia oysters (Neil)- Going to be spreading shell at the lagoon site in Discovery Bay at noon on Friday April 16th. Could use more help, contact Monica if interested. Talked to several people about the south end of Scow Bay (Kilisut Harbor) as a potential restoration area. First step will be setting out shell on dowels to see what kind of natural recruitment exists there.</p> <p>Shoreline Landowner Outreach (Sarah)- Survey was sent out to attendees of workshop in February. Most people are interested in a vegetation workshop, sometime this year. Subcommittee met to discuss site visits this summer and came up with three in Dabob Bay. The Cape George community contact is also interested in a general workshop.</p> <p>ROV (Jeff)- Might consider Fort Flagler as an alternate or additional site.</p>		
MRC Speakers	Monica- looking for feedback on the poll method. The group completed a new poll to pick an upcoming speaker.	Share results in follow-up email	Monica
PUBLIC COMMENT	Public Comments – none.		
MRC member announcements	<p>Betsy- The Port Townsend Marine Science Center is opening up by reservation.</p> <p>Bob- WSU Beach Naturalist training starts next Tuesday, April 13. There are still two spaces available.</p> <p>If anyone wants a shellfish hatchery job, give Gordon a call.</p>		
ADJOURNMENT	Meeting was adjourned at 8:00PM. The next regularly scheduled meeting will be May 4th.	Neil moved to adjourn, seconded by Gordon. Motion passed.	



Jefferson County Marine Resources Committee

Meeting Agenda
Tues, June 1, 2021
6:00-8:00PM

*****Meeting held via conference call*****

Officers/Executive Committee:

Neil Harrington, Chair
Brenda Johnson, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fisksen, NWSC Alternate

MRC Members:

Solenne Walker, District 1
Janette Mestre, District 1
Liz Hoenig Kanieski, District 1 Alt
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Heather Burns, District 3
Sarah Fisksen, District 3
Joanie Hendricks, District 3 Alt
Betsy Carlson, Envir/Conserv
Bryan DeCaterina, Env/Cons Alt
Pam Petranek, Port of PT
Gordon King, Commercial Interest
Nam Siu, Marine Science
Brent Vadopalas, Marine Sci Alt
Heidi Eisenhour, BoCC
Troy McKelvey, Recreation
Roy Clark, Recreation Alt
Judy Surber, City of PT
Neil Harrington, Tribal
_____, U.S. Navy, Indian Is

Staff:

Monica Montgomery, Coordinator
Robert Simmons, WSU Faculty
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AGENDA

- 6:00** Call to Order
- 6:05** Amendments to/Approval of Agenda
Amendments to/Approval of May 2021 Minutes
- 6:08** Public Comment
- 6:10** Guest Speaker: Chrissy McLean - NW Maritime Center rain garden collaboration; Bob Simmons - rain garden updates
- 6:40** BoCC Report (Heidi)
- 6:50** Port of PT (Pam)
- 6:55** **Recent Meeting Reports & Issue Updates**
NWSC Meeting (Jeff)
- 7:00** **Administrative Updates (Monica)**
- Open Public Meetings & Records Management
 - 2021-2023 RFP
- 7:10** **Current Project Updates**
- Forage fish – Adelma (Jeff), Dabob (Sarah)
 - Kelp (Betsy)
 - No-anchor zones (Troy)
 - Education & outreach (Brenda)
 - Olympia oysters (Neil)
 - Shoreline landowner outreach (Sarah)
 - Crabber outreach (Roy)
 - ROV (Jeff)
- 7:47** Public Comment
- 7:50** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

June 22, 9-10am – MRC Executive Committee meeting
June 25, 10am-12pm – NWSC meeting (Jefferson MRC presenting)
July 6 – NO MRC MEETING
July 22 – Solid Waste Advisory Committee meeting
August 3 – MRC Meeting

Ongoing – Port of PT [Meetings](#)
Ongoing – Jefferson BoCC [Meetings](#)

Jefferson County Marine Resources Committee
Virtual Zoom Meeting
June 1, 2021 Meeting Minutes

Present:

Neil Harrington, Tribal, Chair
 Brenda Johnson, District 2, Vice Chair
 Jeff Taylor, District 2, NWS Rep.
 Solenne Walker, District 1
 Janette Mestre, District 1
 Sarah Fiskien, District 3, NWS Alt.
 Heidi Eisenhour, *ex officio*, BoCC District 2
 Frank Handler, District 2 Alt
 Joanie Hendricks, District 3 Alt
 Troy McKelvey, Recreation
 Roy Clark, Recreation Alt.
 Bryan DeCaterina, Env/Conserv Alt.
 Gordon King, Commercial Interest
 Judy Surber, City of Port Townsend

Absent:

Liz Hoenig-Kanieski, District 1 Alt.
 Nam Siu, Marine Science
 Heather Burns, District 3
 Betsy Carlson, Envir/Conserv
 Pam Petranek, *ex officio*, Port of Port Townsend
 Brent Vadopalas, Marine Science Alt.

Guests: Chrissy McLean, Emilia Ramsey, Tim
 Cochnauer, Maria Mendes, Barbara Moore-Lewis

Staff: Monica Montgomery, MRC Coordinator
 Bob Simmons, WSU Staff

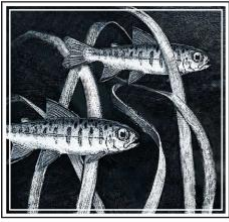
Topic	Update or Issue	Decisions/ Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Vice Chair Brenda Johnson – Welcomed everyone and invited guests to sign into the chat as an option.	A quorum was present.	All members – Please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA APPROVAL OF MINUTES	Brenda asked for approval/amendments to the Agenda. Troy moved to approve. This was seconded by Sarah. Approved as written. Brenda asked for approval/amendments to the May 2021 Minutes. Neil moved to approve, which was seconded by Bryan. Minutes approved as written.	Troy motioned to approve agenda and Sarah seconded agenda. Neil motioned to approve minutes as written and Bryan seconded approval of minutes.	
PUBLIC COMMENT	<p>Barbara Moore-Lewis - Brinnon Group 501c3 (brinnongroup.org) was awarded a 10K grant on the Duckabush Estuary to monitor water quality. Plan to build on the grant. Opposed to the Pleasant Harbor Resort. Drone flights conducted on logging and discovered they did not have DNR FPA permit. Port Gamble Tribe is now in correspondence with the county over their concerns. Goal is to set a baseline for environmental damage and mitigation; Wild Fish Conservancy has done a baseline for estuary. Grant supported by Sierra Club.</p> <p>Maria Mendes – Native Connections Action Group, Jefferson County. In support of Brinnon Group and water quality protection with Port Gamble and Jamestown S'Klallam Tribes. Have voiced opinions to county commissioners on more than one occasion. Helping with grant received by the Brinnon Group.</p>		
GUEST SPEAKER- Chrissy McLean, NW Maritime Center, Emilia Ramsey, Student	<p>Chrissy McLean – Northwest (NW) Maritime Center Program Coordinator for “Revitalizing a Rain Garden in Downtown Port Townsend”. NW Maritime Center raingarden located within City right-of-way needed help, so engaged local students in revitalizing the raingarden. Many partners – MRC, WSU, NOSC, City of PT, Main Street and PT School District.</p>		

	<p>Emilia – on Bravo Team, Maritime Skills and Marine Science. Really fun to go out on the water in longboat and sail and row and do science projects. Used nissan bottles to sample water at various depths. Classes mostly held online due to covid. Environmental Service Project asked - How is climate change affecting the Salish Sea? How do we know the Salish Sea is healthy? Do humans have any positive effects on the Salish Sea? Learned through videos from WSU on how rain gardens work and how Puget Sound benefits from the rain gardens. They keep the ocean clean, add greenery, and support the earth and marine ecosystems.</p> <p>Chrissy – helped teach 11 students on how to mitigate pollution and protect Puget Sound with rain gardens. Researched plants and plant functions to determine which plants should go into the rain garden. First hand dug sod to get rid of grass and rhizomes. Two truckloads to city recycling facility. Bioretention mix added with new soil by hand. Got lots of questions from passersby. Thurston County WSU extension delivered plants, set out all the plants and showed how to plant for best survival. Students really got into plants and took pride for improving the site. Students benefitted from being outside, working together and beautifying the earth.</p> <p>Bob Simmons - Rain gardens are a great thing to do. Signs will be updated at NW Maritime Center. Put in more aesthetically appealing plants. Went out every two weeks and accomplished a lot. Main Street has gardener on staff to maintain this rain garden. Types of plants include: blue elk sage, coast strawberry, creeping raspberry, rosemary, sedges and rushes, rock rose, yarrow, oregon grape and sword ferns.</p> <p>Other Rain Garden projects – Clay and Benton St rain garden looks great. Chetzemoka Park: has become overgrown with weeds, plants not surviving well, and in the third year stopped irrigating. Master Gardeners recently cleared out with help of the MRC, put in new plants and mulched. Quilcene School: second rain garden now drains half the parking lot. Local excavator donated time and school needed a storm drain and pipe installed. MRC provided funding, students did all the work and learned math and science. Most were high school with some younger groups helping out. Franklin and Adams Street is the next planned rain garden and just has to be approved by the City.</p> <p>Question: What does science show on how rain gardens protect water quality vs. grassy swales? Rain garden plants are more deeply rooted and bioretention soils do most of the work. WSU researches best plants for rain gardens. PT Coop has stormwater issues on right (south) side of Coop, but not the best area for a rain garden, better for a permeable asphalt mix. Parts of Coop, Kah Tai and Port area are within floodplain.</p> <p>Comment: Great to see these rain gardens refreshed! If there's capacity for tackling one more, the one downtown, next to the Hot Dog stand is looking sad. It is in a highly visible location and has the rain garden signage.</p>
BoCC REPORT	<p>Commissioner Heidi Eisenhour – Dove into Pleasant Harbor Development Agreement - on county commissioner's website. Forest removal is now under FPA permit. One year ago they had not applied for FEIS and logged without a FPA (according to B. Moore-Lewis). FPA includes a new site plan. Water Quality plan in appendices. Don Holman conducting required groundwater monitoring every month. Port Gamble Tribe involved in water rights with Pleasant Harbor.</p> <p>Port Hadlock - received 20 million in legislature. Meeting with every landowner for Port Hadlock sewer. Working with Peter Bahls on Trust land parcels to extend the boundary of the Dabob Bay natural protected area.</p> <p>Strait ERN LIO is having nation-to-nation conversations with local Tribes about defining priorities.</p> <p>Olympic Discovery Trail – received 4.6 million from the legislature; spans south around Discovery Bay from Milo Curry to Anderson Lake State Park, also completes a stretch in far west Clallam County. Clean Water District - testing septic systems and water quality monitoring to report on hot spots and what's happening in Chimacum Creek watershed every</p>

	<p>month. Olympic Coast Sanctuary Advisory Council – many ongoing research projects, just getting involved. The more citizens involved in our natural resources the better.</p> <p>Comment: Concerns about Pleasant Harbor permits and that Port Gamble Tribe's concerns about water quality will be taken into account around development.</p>		
Port of PT UPDATES	Commissioner Pam Petranek – N/A		
RECENT MEETING REPORTS AND ISSUE UPDATES	<p>NWSC Meeting (Jeff) - Snohomish and Island held a joint meeting on Port Susan and Kayak Point. San Juan County is doing eelgrass protection and derelict gear removal projects. Salish Sea Institute has put together a State of the Salish Sea report (250 pages) cedar.wwwu.edu/salish_pubs/1/</p> <p>NWSF shared another Shore Friendly video "Restoring the Connection between Land and Water" https://www.youtube.com/watch?v=D9eWqIRpJLk</p>		Monica - Share webinar on State of the Salish Sea.
Administrative	<p>Monica – Learned we need to be more compliant with the Open Public Meetings. Changes include: the MRC will start using the County's Zoom account, no longer using WSU Zoom account. Even chat box is a public record. Strongly discouraged to "reply all" in emails, since this is considered a "legal serial meeting". Group conversations should be held during public meetings. Members are responsible for record retention, yet transitory records can be deleted when no longer needed. Send important documents to Monica and she will save for two years.</p> <p>Google shared folder is really helpful to Monica, it keeps us all on the same page. This is okay to continue to use yet know that this is subject to public record. RFP due on June 7th. There is \$8k freed up from rain garden in the budget. To use this funding, considering side-scan sonar for detecting lost crab pots in Discovery Bay. All other current projects will be funded through September 2023.</p>	Send any questions to Monica for Open Public Meetings Act or Record Retentions.	
CURRENT & UPCOMING PROJECTS	<p>Forage Fish Monitoring (Jeff) – Adelma Beach sampled June 1st. (Sarah) Dabob Bay sampled May 25th and took in to WSU.</p> <p>Kelp – (Monica) First survey June 27th or July 9th. Kelp Expedition on July 16th though not the best tides, still hope for the MRC kelp team to participate in some way.</p> <p>No-Anchor Zones (Troy) – May 24th, Pam, Troy and Bryan went out in boat. Gordon delivered the summer buoys. Bryan conducted most of the in-water exchanges of the floats/buoys. Never seen so much kelp growth on the ropes at this time of year. Only found 5 of the expected 8 buoys; replaced winter floats with summer buoys. Monica submitted a Dive Manual for the County to approve so that volunteer MRC divers can continue to do the work to maintain the buoys.</p> <p>Olympia Oysters (Neil) – Low tide on June 26th to monitor the Powerlines site. Looking to organize a</p>		

	<p>workday to spread more shell at the Powerlines site after monitoring.</p> <p>Shoreline Landowner Outreach (Sarah) – Had a site visit on May 13th at Dabob Bay (Deer Creek) led by Lisa Kaufman, NWSF, and Andrea McClellan, Coastal Geomorphologist with Herrera Environmental. Four adjacent properties, three landowners, all neighbors. Mix of natural and armored sites with good education for all involved.</p> <p>Education and Outreach (Brenda) – Rain garden rack cards ready to use. Boater targeted and water quality ads in Rose Theater newsletter. Crabber packets being outfitted to educate new recreational crabbers about best practices, preceding a virtual workshop hosted by NWSF.</p> <p>Crabber Workshop (Monica) – June 30th at 6-7:30 pm via Zoom.</p> <p>ROV (Jeff) – Plans for a trial run after June 11th with local STEM program.</p>		
PUBLIC COMMENT	<p>Heidi - Send good wishes to Caroline Gibson, NWSF as she is recovering at home.</p>		
MRC ROUNDTABLE/ ANNOUNCEMENTS	<p>Brenda – Jefferson MRC would like to celebrate Frank Handler’s 80th Birthday on June 9th.</p> <p>Neil – Typically holds a joint meeting with Clallam MRC once a year. Next meeting is August, so perhaps September joint meeting to share projects. Next Executive Committee meeting can reach out to Clallam County.</p> <p>Tim Cochnauer – MRCs share common interests. Hired new coordinator June 1st, Rebecca Paradis from Lower Elwha Clallam tribe, Aquatic Biologist.</p> <p>Judy – SMP update still in process. Revisions of the City’s Critical Areas Ordinance is in process. Meeting/discussion format with planning commission and Ecology, then hearing by City Council. Main updates affect aquaculture, Ecology mandated changes in wild stock geoduck and for planning commission to allow native and naturalized species within marinas and aquatic designations. City is compiling checklist on responses to provisions.</p> <p>Monica – No meeting in July. Next meeting August 3rd. Presentation to the BoCC on June 14th, 1:30-2:15 pm. Presentation to NWSC on June 25th, 10 am-12 pm.</p> <p>Jeff – “Survive the Sound” with GPS tracking of all the salmon, especially interesting coming out of Hood Canal – they go back and forth until they (disappear and) are “eaten by seal”.</p>	<p>Executive Committee to reach out to Clallam County for a joint meeting.</p>	

ADJOURNMENT	Meeting was adjourned at 7:55 PM. Next meeting will be August 3rd. Gordon moved to close the meeting, Neil seconded the close of the meeting.	Gordon motioned to end the meeting, Neil seconded.	
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Jefferson County Marine Resources Committee

Meeting Agenda
Tues, Aug 3, 2021
6:00-8:00PM

*****Meeting held via conference call*****

Officers/Executive Committee:

Neil Harrington, Chair
Brenda Johnson, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fiskén, NWSC Alternate

MRC Members:

Solenne Walker, District 1
Janette Mestre, District 1
Liz Hoenig Kanieski, District 1 Alt
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Heather Burns, District 3
Sarah Fiskén, District 3
Joanie Hendricks, District 3 Alt
Betsy Carlson, Envir/Conserv
Bryan DeCaterina, Env/Cons Alt
Pam Petranek, Port of PT
Gordon King, Commercial Interest
Nam Siu, Marine Science
Brent Vadopalas, Marine Sci Alt
Heidi Eisenhour, BoCC
Troy McKelvey, Recreation
Roy Clark, Recreation Alt
Judy Surber, City of PT
Neil Harrington, Tribal
_____, U.S. Navy, Indian Is

Staff:

Monica Montgomery, Coordinator
Robert Simmons, WSU Faculty
c/o WSU Jefferson Extension
121 Oak Bay Rd
Port Hadlock, WA 98339
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AGENDA

- 6:00** Call to Order
- 6:05** Amendments to/Approval of Agenda
Amendments to/Approval of June 2021 Minutes
- 6:08** Public Comment
- 6:10** Guest Speaker: Dave Croonquist
- 6:50** BoCC Report (Heidi)
- 6:55** Port of PT (Pam)
- 7:00** **Recent Meeting Reports & Issue Updates**
NWSC Meeting (Sarah)
- 7:05** **Administrative Updates (Monica)**
- 2021-2023 RFP final modifications submitted
 - New notetaker in Jan 2022
 - In-person meetings & location(s)
 - Joint Clallam MRC meeting
- 7:10** **Current Project Updates**
- Forage fish – Adelma (Jeff), Dabob (Sarah)
 - Kelp (Betsy)
 - Rain gardens (Bob)
 - No-anchor zones (Troy)
 - Education & outreach (Brenda)
 - Olympia oysters (Neil)
 - Crabber outreach (Roy)
 - ROV (Jeff)
- 7:47** Public Comment
- 7:50** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

August 16, 9-10am – Executive Committee meeting

August 18, 1-4pm – [HCCC meeting](#)

August 20, 8am – 3rd kelp survey at North Beach

August 27, 10am-12pm – [NWSC meeting](#)

September 7, 6-8pm – MRC monthly meeting

September 23 – Solid Waste Advisory Committee meeting

October 28 – Solid Waste Advisory Committee meeting

Ongoing – Port of PT [Meetings](#)

Ongoing – Jefferson BoCC [Meetings](#)

Ongoing projects in Jeff. Co:

- [Pleasant Harbor MPR](#)
- [City of PT SMP update](#)
- [Jefferson County SMP update](#)
- [PT sewer outfall](#) (not up to date)
- [Point Hudson FLUPSY](#)
- [Point Hudson jetty reconstruction](#)

**Jefferson County Marine Resources Committee
Virtual Zoom Meeting
August 3, 2021 Meeting Minutes**

Present:

Neil Harrington, Tribal, Chair
Brenda Johnson, District 2, Vice Chair
Jeff Taylor, District 2, NWS Rep.
Solenne Walker, District 1
Liz Hoenig-Kanieski, District 1 Alt.
Sarah Fiskens, District 3, NWS Alt.
Heidi Eisenhour, *ex officio*, BoCC District 2
Frank Handler, District 2 Alt.
Heather Burns, District 3
Joanie Hendricks, District 3 Alt.
Roy Clark, Recreation Alt.
Betsy Carlson, Envir/Conserv
Bryan DeCaterina, Env/Conserv Alt.
Nam Siu, Marine Science
Troy McKelvey, Recreation
Gordon King, Commercial Interest
Judy Surber, City of Port Townsend

Absent:

Janette Mestre, District 1
Brent Vadopalas, Marine Science Alt.
Pam Petranek, *ex officio*, Port of Port Townsend

Guests: Dave Croonquist, Russ Howell, Dana Oster

Staff: Monica Montgomery, MRC Coordinator
Bob Simmons, WSU Staff

Topic	Update or Issue	Decisions/ Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Chair Neil Harrington – Shared acknowledgement of Caroline Gibson, Executive Director of the NW Straits Foundation (NWSF), and her contributions to Salish Sea restoration and protection work. Sarah Fiskens shared that NWSF set up a scholarship fund in Caroline Gibson's name, to support students in marine studies.	A quorum was present.	All members – Please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA APPROVAL OF MINUTES	Neil asked for approval/amendments to the Agenda. Sarah requested to add Shoreline Landowner outreach into the project updates. Gordon King moved to approve. This was seconded by Sarah. Approved as amended. Neil asked for approval/amendments to the May 2021 Minutes. Judy Surber noted that Jefferson County SMP-Critical Areas Ordinance (CAO) revisions are still in process, whereas the minutes indicate that they are complete. Bryan DeCaterina moved to approve, which was seconded by Brenda Johnson. Minutes approved as amended.	Gordon motioned to approve agenda as amended and Sarah seconded agenda as amended. Bryan motioned to approve minutes as amended and Brenda seconded approval as amended.	
PUBLIC COMMENT	None		
GUEST SPEAKER- Dave Croonquist and Russ Howell – Hatcheries and Salmon	Dave Croonquist, retired District Wildlife Manager in Colorado and current member of the Puget Sound Sport Fishing Advisory Group. Concerned about declines of salmon and believes we need more hatchery fish. Dave's analysis of charts from 1980-1987 documented >270 million chinook salmon eggs were transferred out of river basins, yet hatcheries have declined along with a 44% decline in salmon since 1989. This also tracks along with decline of Southern Resident Killer Whales (SRKW). There is a general public consensus that hatchery fish are bad, yet researchers at the University of Idaho, Brannon et al (2004), have provided a different perspective. Recommended reading Brannon et al's "The Controversy about Salmon Hatcheries". Stated that there are no longer pure wild salmon, only natural		

spawning populations, and that we need to build natural spawning populations for salmon like chinook which are on the endangered species list. The movement of billions of eggs between river basins over the past 125 years (i.e., the timeframe there have been hatcheries) have moved millions of eggs out of rivers of origin into other basins. Essentially, every creek within driving distance from a hatchery received eggs, therefore when we cut hatchery production, we're getting less fish.

Russ Howell shared a presentation slide of an 8-year snapshot (1980-1987) showing in- vs. out-of-basin transfers. 277 million fish were transferred out of basin, or equivalent of 85% of all transfers were out of basin during these years. Of 40 facilities, 36 (90%) received fish from other basins. Of 27 river basins, only 1 (Snake River) did not receive fish from other basins. The result has been extensive genetic mixing for over 100 years. NOAA talks about "cleaning" hatchery fish out of spawning grounds, but 90% are hatchery fish, so all finfish are descendants of the last batch of hatchery fish. What we call a "wild fish" is in many cases one generation removed from the hatchery, in some cases 3-4 generations, others maybe 20.

Protection of wild fish as the primary driver of resource management policy is "wrong-headed" and has never resulted in a sustainable improvement in the production of salmon. What we have been doing hasn't been working. There is no genotypic, pure wild fish left. They contend that a properly managed hatchery program will allow hatchery fish to breed on spawning grounds with wild fish, making hatcheries the primary tributary in the river system. Why is it so difficult to operate the only lever we have in a timely manner, pending habitat restoration, which is essential but a decades long effort? In the meantime, we need to use the levers available at our disposal to preserve the genetic diversity mandated by the Endangered Species Act (ESA) and to increase the number of fish in the water.

Dave stated that 90% of Puget Sound chinook are now late run salmon. We used to have spring, summer and fall runs. The old Dept. of Fisheries tried to sustain commercial fisheries, yet was not looking at the big picture, jamming hatcheries into 4-6 week windows. Dungeness River was also a spring and summer run, then just a late summer run. These long term impacts have impacts on SRKW. Now chinook production is geared toward fall run fish only. Between 1989 and 2017, hatchery fish declined from 150 million to 80,000. The decline of SRKW parallels naturally declining fish in river basins.

What is a wild fish and what can we do to facilitate its recovery? Depends on the river basin, yet a segregated program can only use hatchery fish to return, an integrated program uses all the fish within the river basin. Strongly in favor of the integrated program. Wild-wild, hatchery-wild, hatchery-hatchery all becomes a wild fish, or a natural origin fish. Even tribes would like to see the state build its hatchery program back up to its 1980s level. NOAA and USFWS put tight restrictions on whether you can take a wild fish and put it in a hatchery system. Yet, we really don't have wild fish anymore, only a natural spawning population.

There was a question about what would make a well-run hatchery program. Dave responded: an integrated program with in-basin stock, and to look at run times and get the full spectrum on chinook – spring, summer and fall - by river basin. Moving between basins dilutes populations. We shouldn't be worried if hatchery fish are spawning with wild fish in an integrated basin. He believes a fully integrated program can get the chinook de-listed.

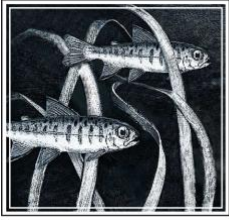
There was a comment that Kurt Beardslee from Wild Fish Conservancy had stated that all hatchery production and all fishing should stop to allow wild populations to rejuvenate. Dave responded that that only works in an ideal situation with habitat like Alaska, otherwise it would be 200-500 years for natural populations to recover that way. He reiterated that the hatchery should be considered the best tributary in the river basin. Tribes also depend on 50% of the fish from hatchery production. Russ responded that Beardslee is wrong on the facts, that salmon would go extinct since the pace of decline outpaces habitat restoration. If you took all fishing off the water and closed hatcheries, chinook would be gone in a decade.

There was a comment that hatcheries are a vital part of recovering chinook, yet hatcheries are not the only way to solve declines; it's up to habitat too. There was question of the statement that there has been more than 100 years of genetic mixing, being solely based on 8 years of transfer data, and encouragement to review genetic studies. Russ responded that

	<p>this analysis was not only based on 8 years of data but extrapolated data to other years when billions of fish were being transferred to other river basins, when management was “willy nilly” and involved “johnny appleseed-ing” of fish. They used to dump fish into the Puget Sound from the back of ferries. Russ reiterated that the transfer of billions of fish translates to genetic mixing and therefore there is no such thing as a genetically pure stock of chinook. There is a certain level of genetics the stock needs to maintain according to NOAA, and we need to recognize genetic distinctions across river basins, attributed to stocks and adaptations, but what we’re seeing is that fish can adapt to a particular river in a few generations. Integrated hatchery programs are the way to increase productivity and sustain genetic diversity.</p>		
BoCC REPORT	<p>Commissioner Heidi Eisenhour – Requested ideas for what the MRC is most interested in staying updated on from the BoCC.</p> <p>Personally working to carry on the legacy of Caroline Gibson. Attended the Kelp Expedition and bull kelp celebration at Chetzemoka Park. The BoCC is dealing with covid/the delta variant with upsurges in community and regional trends. Working on funds for recovery programs, distributing funds, and moving the homeless encampment from the Fairgrounds. Working with a coalition to review the Trust Land program which has protected a lot of terrestrial habitats around Puget Sound but is losing popularity in the legislature. This program funded the Dabob Bay Natural Resources Conservation Area (NRCA) and protected sand spits with endemic and endangered species. Will be developing a legislative proposal for the next funding round in 2023. Participated in Strait LIO ERN updates to the goals and strategies of the Puget Sound Action Agenda. Olympic Coast Sanctuary (OCS) Carol Bernthal is retiring from the role of Superintendent. Signing a new recycling contract; plastics are one of the most troublesome components of our recycling stream. Reviewing several development projects and focusing on the Discovery Bay Golf Course proposal for a 48-unit housing plan at Discovery Bay Golf Course which has potential impacts to trails.</p>	<p>Send ideas to Heidi on what we are most interested in for her to report on from the BoCC at Jefferson MRC meetings.</p>	<p>All MRC members are welcome to send ideas to Heidi.</p>
Port of PT UPDATES	Commissioner Pam Petranek – N/A		
RECENT MEETING REPORTS AND ISSUE UPDATES	<p>NWSC Meeting (Sarah) – The State of the Salish Sea report is accessible online (https://cedar.wvu.edu/salish_pubs/1/) or as a hardcopy for \$25 plus shipping. Presentations on the report can be found on the Salish Sea Institute website (https://wp.wvu.edu/salishsea/past-events/). All MRC grant proposals have been approved by the Commission. Internship opportunities will be discussed at the upcoming retreat. Forage fish funding sustained for WDFW Index Sites.</p>		
Administrative	<p>Monica – Submitted final modifications for the 2021-2023 MRC grant. If needed, amendments can be made in Feb-March 2022. A new notetaker with a business license will be needed beginning Jan 2022; pay is \$175/month. Judy suggested contacting schools for a student notetaker.</p> <p>Discussed the possibility of returning to in-person MRC meetings. The BoCC returned to virtual meetings as of this week. Brenda suggested meeting at the Fort Townsend State Park’s Friend’s</p>	<p>Reach out to potential notetakers and direct them to Monica.</p>	<p>All members</p>

	<p>Barn. Monica will send an anonymous poll to gauge comfort levels.</p> <p>Discussed circulating monthly meetings around the county, for example Quilcene Community Center, once the MRC can safely return to in-person meetings.</p> <p>Discussed holding a joint Jefferson-Clallam MRC meeting in the fall. Format could include sharing end-of-year accomplishments.</p>	<p>Send meeting location ideas to Monica.</p> <p>Send any comments to Monica.</p>	<p>All members</p> <p>All members</p>
CURRENT & UPCOMING PROJECTS	<p>Forage Fish Monitoring (Jeff) – Adelma Beach, sampling monthly, (Sarah) – Dabob Bay, sampling monthly.</p> <p>Kelp (Betsy) – Second survey of the season was on July 23rd. Next survey is planned for August 20th. Some MRC members attended the Kelp Expedition in July. Follow the kelp expedition on the Puget Sound Restoration Fund (PSRF) Facebook page and check out the new kelp story map: https://storymaps.arcgis.com/stories/124e9d24ec1d4e419ea4e32a5ccb42fa</p> <p>Rain Gardens (Bob) – Quilcene and Maritime Center rain gardens are looking good. Had 8 community volunteers help on July 28th to install the new rain garden at the corner of Franklin and Adams Streets in Port Townsend. The homeowner is committed to maintenance. 90% of the rain garden is planted, just need to finish planting groundcover and adding mulch. Volunteers are welcome to help 11am-2pm on August 4th. Bob will be on professional leave: September 2021 to May 2022.</p> <p>No-Anchor Zones (Troy) – Gordon and Bryan cleaned the buoys in Port Hadlock; two sets of hardware will need to be replaced. Expect to have county review of the dive safety manual completed by August 13th.</p> <p>Education and Outreach (Brenda) – Will be meeting 3-4pm on August 11th to talk about tabling a booth at WBF. Roll-up poster is finished, Monica will be placing the order. Collaborating with the Port Townsend Marine Science Center (PTMSC) to co-host a speaker and event series to begin in September.</p> <p>Olympia Oysters (Neil) – Relieved we did not observe much mortality in Discovery Bay from the heat wave in July. Volunteers (including 4 Clallam MRC affiliates) conducted a survey at the Powerlines site last week – found lots of baby oysters. Working on permitting to expand the Powerlines site to include the parcel located just southwest of it. Gordon is working out logistics to spread another 3 cubic yards of clean cultch some time over the next few weeks.</p>		

	<p>Crabber Workshop (Sarah) – Distributed more crab packets around Point Hudson and looking at making more.</p> <p>Shoreline Landowner Outreach (Sarah) – The Foundation has a new intern, Kate Chandler, who will be working on scheduling site visits with shoreline property owners around Jefferson County. The next site visits are tentatively scheduled for August 18th – 19th.</p> <p>ROV (Monica) – Jeff and Monica went out on the boat in Discovery Bay with the Sea Dragons team on July 6th for a trial run using the ROV in open water. Currently, the team is working out issues with navigation and developing a protocol for surveying lost crab pots. Monica will be following up with WDFW in the fall regarding permits to remove lost crab pots detected by the ROV.</p>		
PUBLIC COMMENT	Russ and Dave: Thanked everybody for the opportunity to present.		
MRC ROUNDTABLE/ ANNOUNCEMENTS	<p>Brenda – Fire at Protection Island (PI) today burned about 10 acres so far. Chicks in the nesting burrows may be impacted. A boat on a private mooring buoy that had been under surveillance locally for the last two months has sunk in Mystery Bay.</p> <p>Betsy – Most of the PI burn is on Kanem Spit. Nesting birds affected may be auklets. Unknown cause. PTMSC bought the Flagship Landing building in Port Townsend where they'll be moving into, as the pier at Fort Worden will be coming down in the next two years. They'll be repurposing the downtown building to setup offices and exhibits, but the classroom will stay at Fort Worden in the museum building.</p> <p>Bob – Graduated 16 Shore Stewards in June, a joint Jefferson and Clallam County effort. Another training will be offered late September through early November, with pre-recorded lectures to view on your own time and in-person field trips. More information can be found online, please share with your friends, neighbors, and networks: https://extension.wsu.edu/jefferson/nrs/streamstewards/</p>		
ADJOURNMENT	Meeting was adjourned at 8:00 PM. Next meeting will be September 7th.	Gordon moved to adjourn, seconded by Neil. Motion passed.	



Jefferson County Marine Resources Committee

Meeting Agenda
Tues, September 7, 2021
6:00-8:00PM
*****Meeting held via Zoom*****

Officers/Executive Committee:

Neil Harrington, Chair
Brenda Johnson, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fiskén, NWSC Alternate

MRC Members:

Solenne Walker, District 1
Janette Mestre, District 1
Liz Hoenig Kanieski, District 1 Alt
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Heather Burns, District 3
Sarah Fiskén, District 3
Joanie Hendricks, District 3 Alt
Betsy Carlson, Envir/Conserv
Bryan DeCaterina, Env/Cons Alt
Pam Petranek, Port of PT
Gordon King, Commercial Interest
Nam Siu, Marine Science
Brent Vadopalas, Marine Sci Alt
Heidi Eisenhour, BoCC
Troy McKelvey, Recreation
Roy Clark, Recreation Alt
Judy Surber, City of PT
Neil Harrington, Tribal
_____, U.S. Navy, Indian Is

Staff:

Monica Montgomery, Coordinator
Robert Simmons, WSU Faculty
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AGENDA

- 6:00** Call to Order
- 6:05** Amendments to/Approval of Agenda
Amendments to/Approval of August 2021 Minutes
- 6:08** Public Comment
- 6:10** Guest Speaker: Victoria Cantelow, summary of forage fish survey results at the Fort Townsend nearshore restoration site
- 6:50** Forage fish funding (Jeff)
- 6:55** BoCC Report (Heidi)
- 7:00** Port of PT (Pam)
- 7:05** **Recent Meeting Reports & Issue Updates**
NWSC Meeting (Jeff)
- 7:10** **Administrative Updates** (Monica)
- Meetings poll results
 - Volunteer hours reporting
 - New notetaker in Jan 2022
- 7:15** **Current Project Updates**
- Forage fish – Adelma (Jeff), Dabob (Sarah)
 - Kelp (Betsy)
 - No-anchor zones (Troy)
 - Education & outreach (Brenda)
 - Olympia oysters (Neil)
 - Shoreline landowner outreach (Sarah)
 - ROV (Jeff)
- 7:47** Public Comment
- 7:50** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

September 15, 1-4pm – HCCC Board of Director's meeting
September 15, 7pm – MRC-PTMSC Speaker Event: Andrew Mason, NOAA Marine Debris
September 18, 8:30am-1:30pm – MRC-PTMSC Event: Beach Cleanup
September 21, 9-10am – Executive Committee meeting
September 23 – Solid Waste Advisory Committee meeting
September 24, 10am-12pm – NWSC meeting
October 5 – MRC monthly meeting

Ongoing – Port of PT [Meetings](#)

Ongoing – Jefferson BoCC [Meetings](#)

**Jefferson County Marine Resources Committee
Virtual Zoom Meeting
September 7, 2021 Meeting Minutes**

Present:

Neil Harrington, Tribal, Chair
Brenda Johnson, District 2, Vice Chair
Jeff Taylor, District 2, NWS Rep.
Solenne Walker, District 1
Sarah Fiskien, District 3, NWS Alt.
Heidi Eisenhour, *ex officio*, BoCC District 2
Frank Handler, District 2 Alt
Joanie Hendricks, District 3 Alt
Roy Clark, Recreation Alt
Pam Petranek, *ex officio*, Port of Port Townsend
Betsy Carlson, Environmental/Conservation
Bryan DeCaterina, Env/Conserv Alt
Nam Siu, Marine Science
Gordon King, Commercial Interest

Absent:

Janette Mestre, District 1
Liz Hoenig-Kanieski, District 1 Alt.
Heather Burns, District 3
Troy McKelvey, Recreation Di
Judy Surber, City of Port Townsend
Brent Vadopalas, Marine Science Alt.

Guests: Victoria Cantelow, Cheryl Lowe, Barbara Moore-Lewis, Leslie Perkins, Leah Robison

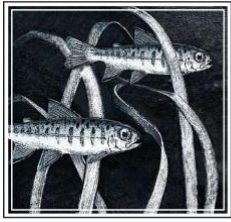
Staff: Monica Montgomery, MRC Coordinator

Topic	Update or Issue	Decisions/ Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Chair Neil Harrington – Welcomed everyone.	A quorum was present.	All members – Please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA APPROVAL OF MINUTES	Neil asked for approval to the Agenda. Sarah Fiskien moved to approve the agenda, Brenda Johnson seconded it. Neil asked for approval or amendments to the August 2021 Minutes and suggested one amendment related to Discovery Bay as a 48-home development, not a 50-acre golf course. Betsy Carlson moved to approve as amended, which was seconded by Gordon King.	Sarah motioned to approve agenda and Brenda seconded agenda as written. Betsy motioned to approve minutes as amended and Gordon seconded.	
PUBLIC COMMENT	None –		
GUEST SPEAKER- Victoria Cantelow, Forage Fish Surveys at Indian Island and Fort Townsend Restoration Site	Victoria Cantelow, Point No Point Treaty Council (PNPTC) conducts shellfish population and forage fish surveys. Why do we care about Forage Fish? Important Indicator Species: Vital link in Food Web; Valuable indicator of Ecosystem Health; Commercially, Recreationally and Culturally Important; Sensitive to Environmental Stressors as well as Habitat Loss. 52% of forage fish in tribal areas of concern are impacted by hard armoring. Port Gamble Skallam Tribe (PGST) says 41% in their area are impacted by hard armoring. Surf Smelt: abundant, spawn intertidally year-round, live ~5 years, spawn within 1 st year, smelt egg size: 2 mm and hard to see with the naked eye, no license required for recreational fishery. Sand Lance: common, less well-known, only spawn in winter months, eggs even smaller than smelt, live 7-9 years, no commercial fishery, unique in its diurnal behavior of feeding during the day and burrowing in sand at night.		

	<p>See WDFW Forage Fish Spawning Habitat Map for forage fish habitat. Qualitative studies began in 1972-1990; 1991-1997, re-funded 2013 for presence/absence data for spawning periods to inform permits and work windows. Surf smelt and sand lance overlap in spawning areas.</p> <p>Indian Island: 4 index sites primarily on Kilisut Harbor side - based on access, relatively undisturbed intertidal area, and high-level security. Beach 4, 6 and 9 are hot spots for sand lance. Use the "blue bowl" method: quadrat sampling frame to retrieve quantitative subsamples. Layout 200 ft tape above and below +5 to +8 tidal elevations, randomized sampling with half the substrate. Lab procedures are different from WDFW for their index sites: rinse, funnel with small mesh, rinse 5 minutes per sample, smelt eggs flow over, sand lance eggs are sticky and heavier so tend to stay and not flow out: 97% recovery rate smelt, 74% recovery rate sand lance. Samples <200 will count each egg and age class, if >200 eggs take 2 ml, three replicates and count eggs in maze chamber. One sample can have up to 16 larvae classifications.</p> <p>Identification: Surf Smelt have a "pedestal" attachment site. Sand Lance do not have "pedestal", smaller with sand grains around them. Size and egg yolk sac position are the easiest way to tell the difference between the two.</p> <p>Sample Year 1 = 2009-2010; Year 8 = 2017-2018. Samples had upwards of 900-1,000 eggs. Smelt have wider range of peak times, sand lance always peak in November (Ft Townsend November-December). Each beach sampled for 40 subsamples twice a month on new and full moons, spawning cue for both species. Water temp appears to be cue for sand lance, smelt more malleable about when to spawn. Sand lance show high variation between months and years, with no cyclical pattern between years. Some years you can dig for sand lance after spawning frenzy in upper beach.</p> <p>Fort Townsend: before and after bulkhead removed (Year 4 = 2014). PNPTC studied two years before restoration work in 2016, when there was less than one sand lance egg per sq ft. State classifies spawning beach as two or more eggs present per sq ft. Some eggs in 2017 (Year 7), but not consistent. Sites 2 and 3 are where the majority of eggs are found, on both sides of the restoration site. Higher abundance of smelt eggs in Year 5 ~2500 eggs collected.</p>	
	<p>Forage Fish Funding – Jeff: WDFW lost funding for WCC crew who process the index site samples, though found some temporary funding to continue processing samples. Lots of different entities do forage fish sampling, but need more coordination. A new project is needed to better coordinate and catalog all forage fish monitoring efforts across the state, to better demonstrate the need for secured funding.</p>	All MRC members share your interest in forage fish funding and coordination of monitoring/sampling efforts.
BoCC REPORT	<p>Commissioner Heidi Eisenhour – Response to covid takes up the most time. Working on school-based mental health. Working with Land Trust to close up old transactions and permanent protections in Quimper Wildlife Corridor and Toandos Peninsula.</p> <p>Straits ERN LIO legislative steering committee developed a set of priorities for the 2022 legislative session including: 1) Engaging rural communities to confront climate change 2) Local onsite septic systems 3) Local water-reuse management 4) Local shoreline and land use management and 5) Oil spill prevention, preparedness, and response.</p> <p>Progress on Jefferson County SMP: focusing on geoduck farming impacts to nearshore environment. Revising code and submitting revised proposal to Ecology with future public hearing with planning commission.</p>	All MRC members are welcome to send ideas on what they would like Heidi to report on at MRC meetings.
Port of PT UPDATES	<p>Commissioner Pam Petranek – Stellar year, marine trades busy and port is full.</p> <p>Point Hudson Jetty update: hope for federal permits by end of the year. Bid package out early 2021. North jetty to be rebuilt 2022, south jetty in 2023. Finishing up a grant that will pay for about half of the project.</p>	

	Quilcene – Conducting community interviews and surveys to hear ideas on Quilcene marina and properties.		
RECENT MEETING REPORTS AND ISSUE UPDATES	<p>NWSC Meeting (Jeff) – Island County MRC, Barbara Bennett, holding forum on SMP planning, to learn what the issues are and what they should be well ahead of SMP updates. Forum begins this month.</p> <p>State of the Watershed report from the NW Indian Fisheries Commission: https://nwifc.org/publications/state-of-our-watersheds/</p> <p>Caroline Gibson’s Memorial is still scheduled to be held at NWMS October 24th (vaccinations required).</p>		
Administrative	<p>Monica – Shared meetings poll results from six respondents yet not possible to have in-person meetings right now. Continue to think about where we could hold in-person meetings around the 3 county districts once we return.</p> <p>Volunteer Hours – Please report by the end of September, when the current 2-year grant ends.</p>	Please be sure to submit volunteer hours before end of September.	All members
CURRENT & UPCOMING PROJECTS	<p>Forage Fish Monitoring (Jeff) – Adelma Beach, sampled today, no results yet. (Sarah) – Dabob Bay, sampled last month, need to take samples into WDFW. Nothing found last few months.</p> <p>Kelp (Betsy) - Third survey August 20th. Last one of the year. Processing kelp data. Meeting wrap-up scheduled for October 15th.</p> <p>No-Anchor Zones (Monica) - Put the MRC dive safety manual on the Sep 13 BoCC agenda for approval. Plan to swap buoys in October.</p> <p>Education and Outreach (Brenda) – Wooden Boat Festival cancelled, biggest E&O event of the year. Chance to volunteer with PTMSC, September 18th Annual Beach Cleanup. PTMSC would love us to register people, weigh trash or host our own table. MRC also partnering with PTMSC on a new speaker series starting Sept. 15th. First lecture will be by Andrew Mason, NOAA about Marine Debris via Zoom, 7pm.</p> <p>Olympia Oysters (Neil) – Did survey in July. Olympia Oysters at Powerline site did fine during the heat wave. Total of 52,000 oysters this year vs. 35,700 last year. Population growing with wide size distribution. Several volunteers from Clallam MRC joined. Lagoon area fared okay after the heatwave too. Sequim Bay had a lot of mortality, high up in tidal zone. Oysters fare better where restoration areas are at lower tidal elevations (0 or -1 MLLW).</p> <p>Bryan DeCaterina helped conduct an eelgrass delineation for parcels north and south of the powerlines to expand the currently permitted Olympia oyster habitat enhancement project site. Monica is working on the permits.</p>		

	<p>Shoreline Landowner Outreach (Sarah) – Site visits around Dabob Bay are scheduled on September 9th and Port Ludlow on September 15th. Lisa Kaufman, NWSF, is setting up a virtual vegetation workshop on October 21st with Ben Alexander of Sound Native Plants presenting.</p> <p>ROV (Jeff) – No real update. The students are working to improve navigation and develop a protocol for surveys. Plan to take the ROV out again in December when students are on school break.</p>	Share any known ROV protocols or if interested in developing a survey protocol for ROVs, contact Monica	All members
PUBLIC COMMENT	Marine Mammal Management in Oil Spill Response Workshop is on September 8 th .		
MRC ROUNDTABLE/ ANNOUNCEMENTS	Neil reports good bioluminescence in Port Townsend now during new moon. Seeing green crab in Sequim Bay; not a lot, but consistent near Jimmy-Come-Lately Creek. Green crab detections are also up in Samish Bay on Lummi Island.		
ADJOURNMENT	Meeting was adjourned at 8:01 PM. Next meeting will be October 5th. Brenda moved to close the meeting, Gordon seconded the close of the meeting.	Brenda motioned to close the meeting, Gordon seconded.	



Jefferson County Marine Resources Committee

**Meeting Agenda
Tues, Oct 5, 2021
6:00-8:00PM**

*****Meeting held via Zoom*****

Officers/Executive Committee:

Neil Harrington, Chair
Brenda Johnson, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fiskens, NWSC Alternate

MRC Members:

Solenne Walker, District 1
Janette Mestre, District 1
Liz Hoenig Kanieski, District 1 Alt
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Heather Burns, District 3
Sarah Fiskens, District 3
Joanie Hendricks, District 3 Alt
Betsy Carlson, Envir/Conserv
Bryan DeCaterina, Env/Cons Alt
Pam Petranek, Port of PT
Gordon King, Commercial Interest
Nam Siu, Marine Science
Brent Vadopalas, Marine Sci Alt
Heidi Eisenhour, BoCC
Troy McKelvey, Recreation
Roy Clark, Recreation Alt
Judy Surber, City of PT
Neil Harrington, Tribal
_____, U.S. Navy, Indian Is

Staff:

Monica Montgomery, Coordinator
Robert Simmons, WSU Faculty
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AGENDA

- 6:00** Call to Order
- 6:05** Amendments to/Approval of Agenda
Amendments to/Approval of September 2021 Minutes
- 6:08** Public Comment
- 6:10** **MRC Discussion**
New subcommittees: Business rules, MRC representation (Brenda)
MRC website updates (Brenda/Monica)
Annual plan document (Monica)
Project leads/subcommittee member updates (Monica)
- 6:55** BoCC Report (Heidi)
- 7:00** Port of PT (Pam)
- 7:05** **Recent Meeting Reports & Issue Updates**
NWSC Meeting (Jeff)
- 7:10** **Current Project Updates**
- Forage fish – Adelma (Jeff), Dabob, Fort Townsend (Sarah)
 - Kelp (Betsy)
 - No-anchor zones (Troy)
 - Rain gardens (Monica)
 - Education & outreach (Brenda)
 - Olympia oysters (Neil)
 - Shoreline landowner outreach (Sarah/Janette)
- 7:47** Public Comment
- 7:50** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

October 6, 9:30-11:30am – Fort Townsend forage fish survey
October 7 & 8, all day – Rain garden installation at Dungeness River Audubon Center
October 15, 12-1pm – Kelp subcommittee meeting
October 20, 9-10am – MRC Executive Committee meeting
October 24, 4-7pm – Caroline Gibson’s Memorial Service, NW Maritime Center
October 29, 10am-12pm – NW Straits Commission [meeting](#)
November 2, 6-8pm – MRC monthly meeting
November 18, 3:30-5:30pm – NW Straits Conference

Ongoing – Port of PT [Meetings](#)
Ongoing – Jefferson BoCC [Meetings](#)

Jefferson County Marine Resources Committee

Virtual Zoom Meeting

October 5th, 2021 Meeting Minutes

Present:

Neil Harrington, Tribal, Chair
 Brenda Johnson, District 2, Vice Chair
 Sarah Fiskens, District 3, NWS Alt.
 Janette Mestre, District 1
 Heidi Eisenhour, *ex officio*, BOCC
 Troy McKelvey, Recreation
 Gordon King, Commercial Interest
 Frank Handler, District 2 Alt.
 Nam Siu, Marine Science
 Pam Petranek, *ex officio*, Port of Port Townsend

Absent:

Solenne Walker, District 1
 Liz Hoenig Kanieski, District 1 Alt.
 Joanie Hendricks, District 3 Alt.
 Betsy Carlson, Envir/Conserv
 Brent Vadopalas, Marine Science Alt.
 Heather Burns, District 3
 Judy Surber, City of Port Townsend
 Roy Clark, Recreation Alt.
 Bryan DeCaterina, Env/Conserv Alt.
 Jeff Taylor, District 2, NWS Rep.

Guests: Emily Bishop, Heather Gordon, Barbara Moore Lewis

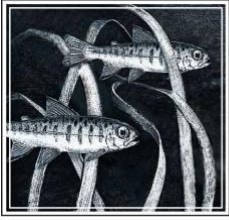
Staff: Monica Montgomery, MRC Coordinator

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Chair Neil Harrington called the meeting to order at 6:00 PM. Guests were introduced.	A quorum was present.	All members – please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA	Neil asked for approval/amendments to the Agenda. Moved by Sarah. This was seconded by Troy. Approved as written.	Sarah moved to approve the agenda. Troy seconded. Motion passed.	
APPROVAL OF MINUTES	Neil asked for approval/amendments to the September 2021 Minutes. Gordon moved to approve, which was seconded by Brenda. Minutes passed as written.	Gordon moved to approve the September Minutes. Seconded by Brenda. Motion passed.	
PUBLIC COMMENT	Barbara Moore-Lewis, representing the Brinnon Group: The group received grant funding and is now in the process of developing a plan for monitoring water quality related to the Duckabush/Hood Canal Master Planned Resort development. There was significant logging in that area in the last year and a half. The group is hoping to get a baseline of pre-logging data and wondering if the MRC can recommend data sources. Recommendations from the group: Jeff. Co. and Dept. of Health would have done shoreline surveys in that area. The PIC program has some sample sites around Pleasant Harbor. Might be worth looking into ORCA buoys in the Hood Canal.		
MRC Discussion:	Brenda- Bylaws Update Looking to form two working groups. The first will update & edit bylaws to be more congruent with how the MRC is run. The last bylaw update was in 2016, which was a minor amendment. The second working group will look at representation on the MRC and terms for MRC Officers. Results of this work will be brought back to the whole MRC for approval. It was noted that representation had been discussed before, and the MRC had consulted with other MRCs the last time there was an update. Heidi is happy to help with the resolution process with the county. Updating the MRC Website Project Leads should direct subcommittee members to look at project pages on the website and suggest updates to content and pictures. We cannot change the formatting, as it is a template from the Northwest Straits Commission. Monica is happy to receive feedback by email, or to discuss in your next subcommittee meeting. Monica- Annual plan is a grant deliverable due in January. Asking members to take a look and have a quick discussion in upcoming subcommittee meetings about goals for the next year.	Contact Brenda and Monica about interest in joining a working group focused on updating the MRC business procedures/bylaws (including MRC representation) by October 15 th Review project pages on the MRC website for your subcommittees and share recommendations for updates	Everyone Everyone

	<p>Monica shared an annual plan table and walked through the 2021-2022 plan. The project calendar year is Oct 1st-Sept 30th.</p> <p>Subcommittee memberships Monica walked through Project Lead and Member roles in each subcommittee. She will follow up with anyone who was not present.</p> <p>Janette is interested in shadowing forage fish monitoring Project Lead responsibilities at Fort Townsend.</p> <p>Troy and Gordon requested to join Dabob Bay forage fish monitoring.</p> <p>Betsy will be stepping down from Kelp monitoring. The subcommittee will be meeting October 15 and will sort out leadership then. Contact Monica if you're interested in joining. Neil and Emily requested to be added.</p> <p>Added Janette as Project Lead for the rain garden subcommittee and removed her from the crabber outreach subcommittee.</p> <p>PT outfall pipe replacement – doesn't seem to be much movement on that project at the city level lately, but important to keep getting updates.</p>	Follow up with members who were not present	Monica
BoCC REPORT	<p>Commissioner Eisenhower – Had a great tour of a geoduck operation with Gordon in Discovery Bay. Gordon made muffins. Currently working on the budget committee with the County and a trust land transfer DNR legislative task force. The Caroline Gibson memorial date is set for October 24th. The Strait ERN LIO coordinator is retiring, so that position will soon be open. Olympic Coast National Marine Sanctuary: Carol Bernthal's last meeting as the superintendent, so that position will be open soon. As part of the Shoreline Master Program review, will be looking at the aquaculture section tomorrow night at 5:30pm. Edits will then get passed on to Ecology for a 30-day review then passed on to the BoCC. Edits are available on the website.</p>		
Port of PT Update	<p>Commissioner Petranek- Jetty update: A new capital projects manager will be starting soon. Once he is settled in, he can give a presentation on the jetty status in November or December. The Port is consulting closely with USFWS, NMFS, WDFW working on permits and design. PTMSC has volunteered to help with species relocation and has discussed coordinating a volunteer-led dive team to assist species relocation. Maybe moving rocks to in front of the NWMC.</p> <p>They are planning to stage the project over two seasons to minimize impacts. Haven't started a public process yet because there's so much in the works with permitting. MRC and Port tenants will be the first people the Port will consult.</p> <p>Next Wed (10/13/21) the Port will be giving a presentation about the community's vision for Quilcene Port properties. The results of a community survey will be presented on Zoom and the link will be made available this Friday (10/8/2021). There will also be an interview with Jeannie McMacken and Eric Toews on KPTZ (https://kptz.org/2021/10/10/our-working-waterfront-10-08/).</p>	Follow up with jetty presentation	Pam/Monica
Recent Meetings and Issues Update	<p>NWSC Meeting (Sarah)- The Commission is seeking reauthorization of the Northwest Straits Initiative, which sunsetted in 2004. Since then, funding has been inconsistent and through unconventional channels. Reauthorization would allow for long term and more predictable funding. In the short term, this may include a significant amount of funding through Congressionally Directed Spending (i.e., an earmark) which could come as early as January 2022. NWSC is soliciting MRC project ideas that could be easily completed over the next year with said funding.</p> <p>Janette- Suggested looking into whether funding could be directed towards HOA-owned property for repairs to stormwater runoff systems, invasive plant removal, etc.</p> <p>Brenda- Recommended looking into past projects that were MRC-funded and whether they give recommendations for future work. Some documents are available under the list of resources on the NWSC website. PTMSC pier assessment? Shoreline armoring assessment follow up?</p>		

	<p>The group will dedicate some time in the November meeting to further discuss and finalize a list of brainstormed project ideas with rough costs.</p>	Prepare to discuss ideas at the next meeting	Everyone
Current Project Updates and Subcommittees	<p>Forage Fish Adelma, Fort Townsend, Dabob- (Sarah)- Jeff monitored Adelma on 10/4. Sarah monitored at Dabob a couple weeks ago and took samples to the WDFW office. Wednesday morning (10/6) will do first monitoring of the season at Fort Townsend.</p> <p>Kelp (Monica)- Meeting coming up Oct. 15th to reflect on the season and plan for the next one.</p> <p>Rain Gardens (Monica)- Bob is on sabbatical until May, so there is one less rain garden installation planned this coming year. He is, however, working with separate funding to install one at the Dungeness River Nature Center on 10/7 & 8. He may need additional volunteers this week – reach out to Monica if interested. The subcommittee should meet to tour existing rain gardens and note what maintenance may be needed on those.</p> <p>No Anchor Zones (Troy)- Hoping to swap the PT buoys with floats sometime in the next month. Current buoys look good, missing ones will need to be addressed. Gordon has winter floats at the hatchery. Gordon will be back in a few weeks, will need to coordinate getting them into town from the hatchery if the team is looking to switch them out before he gets back. Sarah volunteered to grab them. Anchor point survey to be done in the winter when there is less vegetation to cover the anchor points. Dive manual was approved by the BoCC as of September 13.</p> <p>Education and Outreach (Brenda)- The group started its speaker series in collaboration with PTMSC (Andrew Mason, NOAA), coupled with an in-person event for the coastal cleanup. The MRC manned a table outside the museum, helped sign-in volunteers, and categorized and counted marine debris collected. The speaker series will continue. Will be inviting the subcommittee to meet soon to discuss work plan and priorities.</p> <p>Olympia oysters (Neil)- Gordon got 3 cubic yards of cultch out at the Powerlines site, saw lots of salmon. Annie Raymond (JST) and Neil are working with Monica and Cheryl to look at Jeff. Co. and Clallam Co. MRC data, writing an abstract to give a talk at an international shellfish conference in February.</p> <p>Shoreline Landowner Outreach (Sarah)- Went out in early September with NWSF to three properties around Dabob Bay - all totally different. The first property has a stream that disappears underground, which seems to be common in the area, and has a small bulkhead. The second property has had a lot of slides the past few years. Talked about what vegetation they could plant to help alleviate this. At the third site, the owner had not developed yet and just wanted to know what to plant and remove.</p> <p>Janette- Went to a development in Port Ludlow with individual homes but a shoreline that is community property. Looked at old armoring from logging operations. Talked about the history of the area and things they might do in the future to clean up and what needs to be left in place. Afterwards, conducted 6 different site visits. Some of the concerns were about erosion, vegetation, and recommendations for planting. There will be a shoreline vegetation workshop later this month (Oct 21st).</p> <p>Nam would like to share knowledge about funding opportunities for shoreline restoration with Janette/Monica/Sarah.</p> <p>ROV - N/A</p>	<p>Follow up conversation about funding restoration</p>	<p>Nam/Monica/Sarah/Janette</p>
PUBLIC COMMENT	Public Comments – none.		
MRC member announcements	<p>Brenda- The MRC sent a card to Caroline Gibson's partner. Jeff adopted a basking shark in her name, on behalf of the MRC.</p> <p>Neil- 12 European Green Crabs were recently caught around Jimmycomelately Estuary: 7 females, 5 males. All were the same size class and all looked very healthy. WDFW caught some on Indian Island this year, no other ones were caught. Those individuals were caught by hand in Kilisut Harbor, then WDFW trapped and didn't find any more. Thousands have been caught</p>		

	<p>in Lummi territory, and the Makah Tribe has been trapping for years without an appreciable decrease. Keeping green crabs out of the Salish Sea may not be possible at this point.</p> <p>Recreational crabbing opened up again for the winter.</p> <p>The Executive Director of PTMSC is stepping down. Will be looking for a new director. They secured the Flagship Landing building downtown so they can leave the pier at Fort Worden. The plan is to open the Flagship with a museum exhibit early next year. Won't be fully there for 8-10 years. Planning to always keep the building at Fort Worden, to use with environmental classes for school kids. Pier needs to come down, have proposed a new system for access and boat launch. Would be nice to get an update early next year from PTMSC.</p>		
ADJOURNMENT	Meeting was adjourned at 7:49PM. The next regularly scheduled meeting will be November 2 nd	Janette moved to adjourn, seconded by Gordon. Motion passed.	



**Jefferson County
Marine
Resources
Committee**

**Meeting Agenda
Tues, Nov 2, 2021
6:00-8:00PM**

*****Meeting held via Zoom*****

**Officers/Executive
Committee:**

Neil Harrington, Chair
Brenda Johnson, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fisksen, NWSC Alternate

MRC Members:

Solenne Walker, District 1
Janette Mestre, District 1
Liz Hoenig Kanieski, District 1 Alt
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Heather Burns, District 3
Sarah Fisksen, District 3
Joanie Hendricks, District 3 Alt
Betsy Carlson, Envir/Conserv
Bryan DeCaterina, Env/Cons Alt
Pam Petranek, Port of PT
Gordon King, Commercial Interest
Nam Siu, Marine Science
Brent Vadopalas, Marine Sci Alt
Heidi Eisenhour, BoCC
Troy McKelvey, Recreation
Roy Clark, Recreation Alt
Judy Surber, City of PT
Neil Harrington, Tribal
_____, U.S. Navy, Indian Is

Staff:

Monica Montgomery, Coordinator
Robert Simmons, WSU Faculty
c/o WSU Jefferson Extension
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Port Hadlock, WA 98339
www.jeffersonmrc.org
jeff.co.mrc@gmail.com

AGENDA

- 6:00** Call to Order
- 6:05** Amendments to/Approval of Agenda
Amendments to/Approval of October 2021 Minutes
- 6:08** Public Comment
- 6:10** **Guest Speaker**
Seth Ballhorn, Duckabush Estuary Restoration
- 6:40** BoCC Report (Heidi)
- 6:45** Port of PT (Pam)
- 6:50** **Recent Meeting Reports & Issue Updates**
NWSC Meeting (Jeff)
- 6:55** **Administrative Updates**
2021-2023 MRC grant agreement
Executive Committee officers
2022 Project ideas for Congressional Directed Spending
- 7:20** **Current Project Updates**
- Forage fish – Adelma (Jeff), Dabob (Sarah), Fort Townsend (Janette)
 - Kelp (Betsy)
 - No-anchor zones (Troy)
 - Rain gardens (Janette)
 - Education & outreach (Brenda)
 - Olympia oysters (Neil)
 - Shoreline landowner outreach (Sarah)
 - Mapping lost crab pots (Jeff)
- 7:47** Public Comment
- 7:50** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

Nov 18, 3:30-5pm – NW Straits Initiative Symposium Series, Climate Change Impacts in the Salish Sea Part 1: Recreation (see email from Leslie Perkins, NWSC)

Nov 17, 1-4pm – HCCC Board of Directors [meeting](#)

Nov 23, 9-10am – Executive Committee meeting

Dec 7, 6-8pm – MRC monthly meeting

Dec 10, 10am-12pm – NWSC [meeting](#)

2nd Wednesdays at 1pm and 4th Wednesdays at 5:30pm – Port of PT [Meetings](#)

Mondays, 9am – _Jefferson BoCC [Meetings](#)

Jefferson County Marine Resources Committee
Virtual Zoom Meeting
November 2, 2021 Meeting Minutes

Present:

Neil Harrington, Tribal, Chair
 Brenda Johnson, District 2, Vice Chair
 Jeff Taylor, District 2, NWS Rep.
 Sarah Fiskens, District 3, NWS Alt.
 Heidi Eisenhour, *ex officio*, BoCC District 2
 Solenne Walker, District 1
 Janette Mestre, District 1
 Frank Handler, District 2 Alt
 Joanie Hendricks, District 3 Alt
 Troy McKelvey, Recreation District
 Roy Clark, Recreation Alt
 Betsy Carlson, Environmental/Conservation
 Bryan DeCaterina, Env/Conserv Alt.
 Nam Siu, Marine Science
 Gordon King, Commercial Interest
 Pam Petranek, Port of Port Townsend
 Judy Surber, City of Port Townsend

Absent:

Liz Hoenig-Kanieski, District 1 Alt.
 Heather Burns, District 3

Guests: Seth Ballhorn, Anna Robinson, David Winters, Sasha Horst, Emily Bishop, Emily Buckner

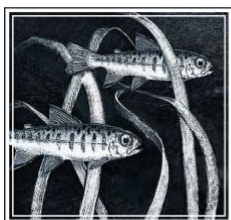
Staff: Monica Montgomery, MRC Coordinator

Topic	Update or Issue	Decisions/ Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Chair Neil Harrington – Welcomed guests.	A quorum was present.	All members – Please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA	Neil asked for approval/amendments to the Agenda. Motion to approve by Troy, seconded by Sarah.	Troy motioned to approve agenda. Sarah seconded.	
APPROVAL OF MINUTES	Neil asked for approval/amendments to the October 2021 Minutes. Nam moved to approve, which was seconded by Gordon. Minutes were approved as written.	Nam moved to approve minutes as written. Gordon seconded.	
PUBLIC COMMENT	None.		
GUEST SPEAKER- Seth Ballhorn, WDFW, Duckabush Estuary Restoration and Anna Robinson – Hood Canal Salmon Enhancement Group (HCSEG)	<p>Seth Ballhorn - WDFW, Duckabush River Estuary Restoration. WDFW partnered with Army Corps of Engineers (USACE) to share the costs of large-scale estuary restoration for the Duckabush, as a place of national significance. As state lead, WDFW is also partnered with WSDOT and HCSEG.</p> <p>The purpose of the restoration project is to improve water quality and habitat, reduce backwater flooding, modernize highway design and rebuild estuary resiliency. Approximately 75% of delta tidal wetlands in Puget Sound have been lost or degraded. Estuaries, where salt and fresh water meet, provide vital habitat, clean water, nutrients and protection for coastal flooding.</p> <p>The original highway was built over the Duckabush Estuary in the 1930s with fill added nearly 12ft high. Two main river channels were confined and smaller channels completely blocked. A new wider and elevated bridge will be built by WSDOT to span the estuary. USACE will then remove old highway infrastructure and reconnect the four historic tidal channels. Culverts will be removed, channels re-established, large woody debris added. Herd of elk will now have access to the estuary. The new bridge will include 12ft lanes and 5ft shoulders across the bridge, and will be 6ft higher than the current bridge. Duckabush Rd will be re-aligned, a new left turn lane will be added, as well as a new parking area.</p>		

	<p>Anna Robinson, Hood Canal Salmon Enhancement Group (HCSEG) – Estuary restoration addresses ESA-listed species Hood Canal Summer Chum and Mid-Hood Canal Chinook. Great habitat protection for juvenile salmon since estuaries buffer juvenile's life stage and physiologic transition between fresh and saltwater. Chum spend majority of life in estuary and are the first salmon to run in the fall. All adult chum spawn and die in lower river reaches which then benefit other juvenile salmon from nutrient enrichment. Mid-Hood Canal Chinook in Duckabush numbers are not very high (tens to hundreds); low like Dosewallips. Other salmon present include pink, coho and steelhead.</p> <p>Monitoring will focus on baseline of habitat conditions: sediment deposition, vegetation, water quality, and bird usage. No plans to do fish-use monitoring at this time. There will be citizen science opportunities for pre-project monitoring for baseline conditions. If interested in volunteering, contact HCSEG at www.pnwsalmoncenter.org. Community volunteers in June 2020 removed nearly 2,500 lbs of debris and trash from estuary and wildlife area. Will be continuing with annual community cleanup efforts.</p> <p>Timeline: Working on construction funding. Design completed mid-late 2022, then takes about 3-4 years to complete. WDFW will cover 60% of the costs (about \$50 million from state capital budget), USACE will cover 40%.</p> <p>Exploring FEMA grant for more federal funding to address access and emergencies. Infrastructure bill will help provide funding, when it gets passed.</p> <p>Septic systems impacting the river are beyond the scope of the project, yet an improved estuary will increase filtration and improve water quality in tidelands. Shellfish habitat in outer estuary assessed in final Supplemental EIS, available on the WDFW website. Determined there would be short-term impacts, but not long-term impacts.</p> <p>Revegetation efforts will commence after construction. Need to be careful with mulch and timing of hydroseeding.</p> <p>For more information, see: https://wdfw.wa.gov/species-habitats/habitat-recovery/nearshore/conservation/projects/duckabush</p>	
BoCC REPORT	<p>Commissioner Heidi Eisenhour – Thanks to Gordon for bringing the shellfish at Caroline Gibson's memorial party. Now on Statewide Shoreline Hearing Board. John Cambalik will be retiring as the Straits ERN LIO Coordinator – new job opening, contract position working from home in marine conservation.</p> <p>Working with Legislative Committee to develop legislative agenda for 2022 session and funding for 2023 session. Trust Land Transfer (TLT) program working on proviso with DNR. Phase 1 report next week. Phase 2 needs to follow to effect big changes in the conservation program.</p> <p>Conducting many one-off landowner meetings, addressing a backlog in demand for site visits to have Commissioner eyes on land use situations across the county.</p>	
Port of PT UPDATES	<p>Commissioner Pam Petranek – Jetty Update. National Historic Preservation Act (NHPA) Section 106 passed. Focus is now on environmental issues and community outreach. Rockfish rearing area added in support of habitat (50x50ft). Project to start sometime July or September. City of PT will check-in with Port staff on permitting for any needed amendments.</p> <p>New Project Manager at Port may present on Jetty possibly in December.</p> <p>Quilcene – Jeannie McMacken collected input from over half the Quilcene community regarding their concerns and what they would like to see done with Port properties. Central concern was for environmental and</p>	<p>Monica - follow-up on potential presentation by new jetty Project Manager.</p>

	ecological protection and the existing commercial activities adversely affecting water quality in Quilcene Bay.	
RECENT MEETING REPORTS AND ISSUE UPDATES	NWSC Meeting (Jeff) – missed the meeting, no update. Highlights provided via email from Leslie Perkins, primarily regarding the status of the drafted reauthorization bill for the NW Straits Initiative.	
Administrative	<p>Monica – New two-year MRC Grant Agreement (Oct 2021 - Sep 2023) signed by BoCC and officially started. Executive Committee Officers will be voted on at next meeting.</p> <p>JCMRC 2022 Project Ideas – Congressionally Directed Spending totaling \$3 million to be divided amongst MRCs may come as early as January 2022. Each MRC has \$265K, yet must be a MRC-led project. See List of Potential Project Ideas sent. Monica needs input on list of project ideas by November 11. This is not a final list, more of a brainstorm with rough cost estimates.</p> <p>Discussion of derelict vessel removal, eelgrass surveys, salmon-friendly gardens, interns, and additional staff. With interns, MRC would need to be mentors to train interns vs. additional staff.</p> <p>In-depth discussion of a Derelict Vessel Removal project. This was proposed by NWSC as a regional project. Monica will check in with NWSC about what the role of the MRC would be for a regionally coordinated project.</p> <p>Port of PT very interested in piloting a recycling program for derelict boats with potential to create this program at the airport. Heidi working with Aaron Barnett, Sea Grant, on “vessel recycling food chain” to shred boats and truck materials north to use fiberglass as fuel. Looking into potential to partner with PT Mill to fill empty paper mill trucks with shredded boat material for transport to recycling centers.</p> <p>Concerns expressed about 90% re-imbursement from DVRP to MRC. Solenne says DVRP is fully-funded now for new biennium as of July 1, 2021, yet always depends on timing, since they often run out of money nearing end of biennium.</p> <p>Monica to collate project ideas shared and finalize a brainstorm list to submit to NWSC.</p>	<p>All - let Monica know if you are interested in being on the Executive Committee.</p> <p>Monica - check in with NWSC regarding the MRC’s role in a derelict vessel removal project.</p>
CURRENT & UPCOMING PROJECTS	<p>Forage Fish Monitoring Adelma Beach (Jeff) – sampled. Dabob Bay (Sarah) – sampled. Fort Townsend (Janette) – sampled, today.</p> <p>Kelp (Solenne) – Reviewing kelp data collected by other MRCs. Meeting this Friday with DNR Science Team (Helen Berry, Julia Ledbetter) to review surveys, share observations and identify additional data collection needs in support of Puget Sound Kelp Conservation and Recovery Plan. Considering Linear Extent Surveys with boat volunteers for a county-wide assessment of kelp beds in 2022-2023. Kelp team may also need a new GPS device. Betsy recommended a volunteer with a boat for conducting surveys around McCurdy Point within Protection Island Aquatic Reserve.</p> <p>No-Anchor Zones (Troy) – Waiting on weather window for a clear day and less winds to swap the PT summer buoys with winter floats.</p> <p>Rain Gardens (Janette) – Wants to conduct mapping and assessment of maintenance needs for existing rain gardens. Plans to meet with the subcommittee sometime in January or February.</p>	

	<p>Education and Outreach (Brenda) – Team met last Friday with good turnout. Decided to delay climate change awareness efforts until after NWSC conducts four-month symposium series on Climate Change Impacts in the Salish Sea. Next symposium session is November 18th, 3:30-5pm.</p> <p>Education and Outreach initiated speaker series with PTMSC. Next speaker series event is December 3rd on King Tides. See JCMRC homepage for registration information: www.jeffersonmrc.org/</p> <p>Olympia Oysters (Neil) – Monica has been working with MSA to develop JARPA amendment and permit applications for expanding the shell placement area south of the powerlines.</p> <p>Shoreline Landowner Outreach (Sarah) – NW Straits Foundation Shore Friendly program’s Shoreline Vegetation Workshop was presented on October 21. See www.jeffersonmrc.org/ homepage to watch the recording.</p> <p>ROV-Mapping Lost Crab Pots (Jeff) – Ben Greiner has a side-scan sonar survey boat and saw the SeaDragons present on their ROV work at a conference over the summer. Monica is working on contract and bids. Focus will be on Cape George and Adelma Beach.</p>		
PUBLIC COMMENT	<p>David Winters asked about the pipe which flows heavily into the rain garden on Monroe and the heavy outflow at Adams Street. Bob Simmons knows rain garden network best, yet Neil commented that the rain gardens above and below these flows may have been full. Rain gardens are intended to handle average daily flow, and heavy rains and overflow cannot always be captured within rain gardens.</p> <p>David works with volunteers to pick up trash 2nd and 3rd Mondays. Picked up trash on Mill Rd and Jacob Miller Rd. Often get 10-15 people and up to 800 lbs collected. Cleaning up under Nifty 50’s once authorized to access. MRC welcome to recommend places for trash pickup or clean-up in PT.</p> <p>Sarah thanked Jeff for coming up with the “Adopt-a-Shark” gift at Caroline’s memorial.</p>		All - send David any places we recommend for clean-up in PT.
MRC ROUNDTABLE/ ANNOUNCEMENTS	<p>Great article in Seattle Times on 10/31 on Kelp. Here’s the link: https://www.seattletimes.com/pacific-nw-magazine/an-ambitious-new-alliance-works-to-identify-whats-happening-to-our-crucial-kelp-forests-in-order-to-protect-and-hopefully-restore-them/</p>		
ADJOURNMENT	Meeting was adjourned at 8:08 PM. Next meeting will be December 7th. Brenda moved to close the meeting, Troy seconded the close of the meeting.	Brenda motioned to close meeting, Troy seconded.	



Jefferson County Marine Resources Committee

Meeting Agenda
Tues, Dec 7, 2021
6:00-8:00PM

*****Meeting held via Zoom*****

Officers/Executive Committee:

Neil Harrington, Chair
Brenda Johnson, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fiskens, NWSC Alternate

MRC Members:

Solenne Walker, District 1
Janette Mestre, District 1
Liz Hoenig Kanietski, District 1 Alt
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Heather Burns, District 3
Sarah Fiskens, District 3
Joanie Hendricks, District 3 Alt
Betsy Carlson, Envir/Conserv
Bryan DeCaterina, Env/Cons Alt
Pam Petranek, Port of PT
Gordon King, Commercial Interest
Nam Siu, Marine Science
Brent Vadopalas, Marine Sci Alt
Heidi Eisenhour, BoCC
Troy McKelvey, Recreation
Roy Clark, Recreation Alt
Judy Surber, City of PT
Neil Harrington, Tribal
_____, U.S. Navy, Indian Is

Staff:

Monica Montgomery, Coordinator
Robert Simmons, WSU Faculty
c/o WSU Jefferson Extension
121 Oak Bay Rd
Port Hadlock, WA 98339
www.jeffersonmrc.org
jeff.co.mrc@gmail.com

AGENDA

- 6:00** Call to Order
- 6:05** Amendments to/Approval of Agenda
Amendments to/Approval of November 2021 Minutes
- 6:08** Public Comment
- 6:10** BoCC Report (Heidi)
- 6:15** Port of PT (Pam)
- 6:20** **Recent Meeting Reports & Issue Updates**
NWSC Meeting (Jeff)
- 6:25** **Administrative Updates**
Updates on Congressionally Directed Spending
Oct 2020-Sep 2021 summary of accomplishments
Voting new MRC officers
2022 guest speakers
- 7:15** **Current and New Project Updates**
- Forage fish – Adelma (Jeff), Dabob (Sarah), Fort Townsend (Janette)
 - Kelp (Solenne)
 - No-anchor zones (Troy)
 - Rain gardens (Janette) – no updates
 - Education & outreach (Brenda)
 - Olympia oysters (Neil)
 - Shoreline landowner outreach (Sarah)
 - Crabber outreach (Roy) – no updates
 - Mapping lost crab pots (Jeff)
 - Storm surge monitoring (Jeff)
- 7:47** Public Comment
- 7:50** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

Dec 10, 930am-230pm – Straits ERN LIO quarterly [meeting](#)

Dec 10, 10am-12pm – NWSC [meeting](#)

Dec 14, 9-10am – Executive Committee meeting

Dec 15, 1-4pm – HCCC Board of Director's [meeting](#)

Dec 16, 3:30-5pm – NW Straits Initiative Symposium Series, Climate Change Impacts in the
Salish Sea Part 2: Coastal Resilience

Jan 4, 6-8pm – MRC monthly meeting

Jan 20, 3:30-5pm – NW Straits Initiative Symposium Series, Climate Change Impacts in the
Salish Sea Part 3

Feb 17, 3:30-5pm – NW Straits Initiative Symposium Series, Climate Change Impacts in the
Salish Sea Part 4

2nd Wednesdays at 1pm and 4th Wednesdays at 5:30pm – Port of PT [Meetings](#)

Mondays, 9am – Jefferson BoCC [Meetings](#)

MRC Meeting [Speaker List](#)

**Jefferson County Marine Resources Committee
Virtual Zoom Meeting
December 7, 2021 Meeting Minutes**

Present:

Neil Harrington, Tribal, Chair
Brenda Johnson, District 2, Vice Chair
Jeff Taylor, District 2, NWS Rep.
Sarah Fiskén, District 3, NWS Alt.
Heidi Eisenhour, *ex officio*, BoCC District 2
Solenne Walker, District 1
Janette Mestre, District 1
Frank Handler, District 2 Alt
Joanie Hendricks, District 3 Alt
Troy McKelvey, Recreation District
Roy Clark, Recreation Alt
Bryan DeCaterina, Env/Conserv Alt.
Nam Siu, Marine Science
Gordon King, Commercial Interest
Pam Petranek, Port of Port Townsend
Judy Surber, City of Port Townsend

Absent:

Liz Hoenig-Kanieski, District 1 Alt.
Heather Burns, District 3
Betsy Carlson, Environmental/Conservation

Guests: Sasha Horst, Kristopher Clark, Barbara Moore-Lewis

Staff: Monica Montgomery, MRC Coordinator

Topic	Update or Issue	Decisions/ Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Chair Neil Harrington – Welcomed guests.	A quorum was present.	All members – Please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA APPROVAL OF MINUTES	Neil asked for approval of/amendments to the Agenda. Motion to approve by Troy McKelvey, seconded by Sarah Fiskén. Motion passed. Neil asked for approval/amendments to the November 2021 Minutes. Brenda Johnson said under Education & Outreach it should read next Planning meeting, not next NWSC meeting. Minutes approved as amended. Note: Ex Officio removed from Port of PT title.	Troy motioned to approve the agenda. Sarah seconded. Motion passed. Brenda moved to approve the minutes as amended. Bryan seconded.	
PUBLIC COMMENT	None.		
BoCC REPORT	Commissioner Heidi Eisenhour – Completed first full year. Pleasant Harbor Master Plan Resort article in Olympic Environmental News (see 11/14). In talks with landowner regarding fees owed to County, but don't have more details at this time. Working with DNR Forest Resources on Trust Land Transfer program in Dabob Bay to expand the Natural Resources Conservation Area (NRCA) for protection of a rare rhododendron forest. Straits ERN LIO – Puget Sound Partnership Committee working on the legislative process together with local Tribes. Agenda setting meeting 12/9 with Steve Tharinger, co-chair of Straits ERN LIO. John Cambalik is retiring as the Straits ERN LIO Coordinator. In process of interviewing the new Coordinator. Working on Snake River Dam removal for salmon		

	<p>recovery. Jefferson County Commissioners sent a letter in support of dam removal. More people coming on board for removal of the Snake River Dams.</p> <p>Working on Port Hadlock sewer project which would serve to improve marine water quality in nearshore environment due to the number of aging septic systems in the area. The Weed Control Board, a critical service in the county, is seeking new Weed Control Board members, especially from the south and west ends of the county. Working to ensure all priorities are included in the county's budget.</p>	All - send names to Heidi, if you know anyone interested in Weed Control Board.
Port of PT UPDATES	<p>Commissioner Pam Petranek – Quilcene: Executive Director and Deputy Director in Quilcene conducting second monthly in-person meeting with community tonight. Community's top concern is protection of the marine environment and ecology of the bay. Asked whether MRC would be able to do any studies on the marine environment at the site?</p> <p>Working to address derelict vessels stored at the Port. Port considering pilot recycling program for derelict boats. Reviewed Port of Ilwaco recycling process and would like to keep recycling process entirely at Port to reduce transportation process and costs.</p> <p><u>Port's Line-up of 2022 projects:</u></p> <ul style="list-style-type: none"> ○ Quilcene dock restoration/piling replacement – project costs 100K ○ Boat Haven dock restoration/piling replacement – 300K ○ Point Hudson dock restoration - 25K ○ Boat Haven pump replacement – 100K ○ New Day Fisheries dock repairs-17K ○ North Jetty – waiting on permits. Judy Surber reports City has not received a revised design. City cannot confirm permit approval without first reviewing revised design. Nam reports WDFW has not received any application materials for the project either. ○ New stormwater treatment system to meet more stringent environmental standards. New treatment system estimate \$2.6M ○ Re-surfacing of boatyard (remove and replace gravel) - \$100K ○ Boat Haven breakwater rehabilitation - \$360K ○ Gardiner boat ramp replacement – \$700K total costs. Received 539K RCO funding towards total. Construction planned for 2023. ○ Port hired recently for the first time a part-time Capital Engineer. This month approved hiring for a full-time Capital Engineer. 	All – let Pam know if you are interested in conducting any marine studies in Quilcene
RECENT MEETING REPORTS AND ISSUE UPDATES	NWSC Meeting (Jeff) – no meeting held, no update.	
ADMINISTRATIVE & PROJECT UPDATES	<p>Monica – Congressionally Directed Spending updates: project ideas submitted by 11/11. Sasha Horst said the funding is currently delayed yet delay allows for better planning. Potential funding may become available to the MRC in the 2nd year of grant (2022-2023). Commission staff is developing a workplan for NOAA to receive funding.</p> <p>Summary of Project Accomplishments Oct 2020-Sept 2021 Presentation on project accomplishments will be translated into the 2021 Annual Report, which will be available on the MRC website once published.</p> <ul style="list-style-type: none"> ○ 1,473 Volunteer Hours – comparable to last year, includes MRC and community members with more than 75% hrs contributed by MRC members. ○ >50% time spent on field projects, 40% meetings, 5% trainings and conferences. 	

	<ul style="list-style-type: none"> o Sent advisory comments on the Navy's proposal for special operations training in WA State Parks and Letters of Support for BoCC consideration. o Onboarded 3 new MRC members. o Finished 2-yr MRC grant in September and started a new 2-yr grant in October. <p>Forage Fish Egg Surveys –</p> <ul style="list-style-type: none"> o Fort Townsend State Park – 2020-21 was the 6th year monitoring. Determined increased number of surf smelt and sand lance eggs detected since 2016 nearshore restoration project. o Adelma Beach – 6th year monitoring. o Dabob Bay – almost 2 years monitoring, new sampling location proposed to the south. o WDFW has capacity to analyze samples collected from more forage fish sites. NOSC recommended Kilisut Harbor, Irondale Beach, and Maynard. Janette recommended Fort Worden site below stairs, south of marine science pier. Heidi and Janette said they could get Irondale site photos for WDFW to consider. o Forage Fish surveys are good projects for engaging community volunteers. Would just need an MRC member(s) to take on lead. o Upcoming WDFW forage fish survey training offered at Padilla Bay. <p>Kelp – 6th year monitoring bull kelp at North Beach.</p> <p>Solenne – Seasonal monitoring of North Beach beds will continue based on protocol of surveying densest rockfish habitat. North Beach bed not a well-defined bed and fringes into patchy kelp. Photo-documentation of beds from bluffs or drones may help to establish whether this type of documentation can adapt well to citizen science. Drones may be too expensive and require license commitments, so may have to rely on volunteers with drones. A county-wide assessment of kelp beds via boats is planned to map all floating kelp beds. Seeking boating volunteers for next summer. Consider installation of a continuous temperature sensor buoy at North Beach yet depends on future funding. Plan to improve nearshore survey of kelp hugging shoreline, improve identification of understory kelp and other marine species, and support future kelp exhibit at new PT Marine Science Center.</p> <p>Rain Gardens – Installed 2 new rain gardens: one at the Quilcene School parking lot (led by school staff) and one at the corner of Franklin and Adams Streets in Uptown Port Townsend. Need better recruitment of volunteers for rain gardens. Lots of maintenance needs on rain gardens. Janette will reach out to Master Gardeners and recent WSU class members with interest in rain gardens.</p> <p>Voluntary No-Anchor Zones – Adopted a dive safety manual to ensure safe dive practices and adherence to state regulations. Troy attending "Salish Sea No-Anchor Zone" meetings with regional partners working on establishing voluntary no-anchor zones for eelgrass protection. Working on contracting video-tow eelgrass surveys along Port Townsend waterfront some time spring-summer 2022. Staff with the DNR Nearshore Habitat Program are willing to help with survey planning and video analysis. It was suggested that the survey include the same transects as in previous surveys, extending them to -15m relative to MLLW and slowing vessel speed for better quality video footage. Bryan asked what is the ultimate goal for data collection? Video-towing provides presence/absence of eelgrass distribution. Interested in determining density. Multi-beam not more definitive. Can differentiate <i>Z. marina</i> vs. <i>Z. japonica</i> both in morphology and location. <i>Z. japonica</i> typically found shallower above "zero" and uncommon in Jefferson County.</p>	<p>All – let Monica know if you are interested in taking lead on a new forage fish site(s).</p> <p>All – let Solenne know if you have a boat to assist with county-wide kelp assessment during low tides summer 2022.</p> <p>All – let Janette know if you can help with rain gardens.</p>
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Olympia Oyster Restoration – Lagoon site – 5th year, Powerlines site – 7th year. Neil reports over 52,000 Olympia oysters on the plot with good recruitment. Working on permitting to expand the Powerlines site to include a new property lease located just adjacent and SW.

Education and Outreach – Published educational ads targeting boaters (eelgrass protection) and individuals (actions to improve water quality). Launched a new speaker series in partnership with the Port Townsend Marine Science Center, with a virtual presentation on microplastics/marine debris coupled with a beach clean-up event in September. Plan to develop the speaker series, offer hybrid “Digging for Dinner” and “Searching for Seaweed” (sustainable harvesting of edible seaweeds) events, and participate in the Wooden Boat Festival in the coming year.

Crabber Outreach – Promoted virtual workshop and distributed posters and rack cards, in partnership with the NW Straits Foundation.

Shoreline Landowner Outreach – Helped organize >21 site visits in East Jefferson County in partnership with the NW Straits Shore Friendly program. Promoted virtual workshop.

New Project: ROV/Mapping Lost Crab Pots – Discovery Bay ROV trial run in July with the SeaDragons and Ross Anderson, who lent his boat. Working on contract for side scan sonar survey in 2022 at Cape George and Adelma Beach. Working on WDFW permitting/approval for crab pot removal. Working on developing an ROV survey protocol. Nam is willing to help.

Vote on new MRC Officers: Four positions on Executive Committee: Chair, Vice-Chair, NW Straits Representative, NW Straits Representative – Alternate. Neil called for nominations:

- Gordon nominated Brenda for Chair
- Neil nominated Troy for Vice-Chair
- Neil nominated Jeff for NW Straits Rep
- Neil nominated Sarah for NW Straits Rep-Alt
- Brenda, Troy, Jeff and Sarah accepted their nominations
- Gordon motioned to accept the four nominations
- Judy seconded to approve nominations

2022 Guest Speakers: Next month’s topic: Jefferson County Public Works with John Mauro, City Manager and Steve King, Public Works Director. Focus on North Beach sewer outfall, stormwater/raingardens, Gaines Street pump station and sea level rise. Public Works is very concerned about sea level rise. Other potential speakers:

- Lisa Hillier, WDFW – Forage Fish
- Bill Kalina, Navy – Indian Island Naval Magazine
- State Parks – Fort Worden pier removal
- Derelict Vessels – pilot recycling program

Jeff – Discussed local data collected on storm surge and total water levels, in partnership with Ian Miller and his research on sea level rise. Data is currently housed with Local 20/20, but looking for another home that can make data more publicly accessible. Also, looking to make this a regional project, if other MRCs are interested. The MRC voted to take on storm surge monitoring as a new project.

PUBLIC COMMENT	None.		
MRC ROUNDTABLE/ ANNOUNCEMENTS	Storm surge warning for Admiralty Inlet tomorrow.		
ADJOURNMENT	Meeting was adjourned at 8:06 PM. Next meeting will be January 4th. Gordon moved to close the meeting. Troy seconded the close of the meeting.	Gordon motioned to adjourn. Troy seconded.	