

**Jefferson County
Marine
Resources
Committee**

**Meeting Agenda
Tues, January 3, 2022
6:00-8:00PM
97 Oak Bay Rd, Port Hadlock WA**

*****Meeting Held Virtually Via Zoom*****

Join by computer/device: <https://us06web.zoom.us/j/82317298603>

Join by phone: +1 (253) 215-8782 US (Tacoma)

Meeting ID: 823 1729 8603

**Officers/Executive
Committee:**

Troy McKelvey, Chair
Gordon King, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fiskén, NWSC Alternate

MRC Members:

Solenne Walker, District 1
Janette Mestre, District 1
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
Carol Hasse, 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

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 December 2022 Minutes
- 6:08** Public Comment
- 6:10** **Guest Speaker:** Megan Moore (NOAA) - Impacts of the Hood Canal Bridge on migrating steelhead and potential solutions to address them
- 6:50** **BoCC Report (Heidi)**
- 6:55** **Recent Meeting Reports & Issue Updates**
NWSC December meeting update (Jeff)
European Green Crab (Neil – 10 min)
- 7:15** **Current and New Project Updates**
- Forage Fish – Adelma (Jeff), Dabob (Sarah), Fort Townsend (Sarah)
 - Derelict Vessel Removal (Sarah)
 - Shoreline Landowner Outreach (Sarah)
 - Rain Gardens (Janette)
 - Crabber Outreach (Roy)
 - ROV derelict crab pot removal (Jeff)
 - Storm Surge Monitoring (Jeff)
- 7:47** Public Comment
- 7:50** Call for Future Agenda Topics/Speakers
- 7:52** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

January 3, 6-8pm – MRC monthly [meeting](#)

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

January 12, 11am-1230pm – Salish Sea no-anchor zone workgroup meeting

January 18, 1-4pm – HCCC Board of Director's [meeting](#)

January 19, 3-5pm – NWSI kelp kayak data review workshop

January 24, 9-10am – Executive Committee meeting

January 24, 10-11am – WDFW forage fish index site MRC project check-in meeting

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

Every Monday at 9am – Jefferson BoCC [meetings](#)

**Jefferson County Marine Resources Committee
Virtual Zoom Meeting
January 3, 2023 Meeting Minutes**

Present:

Troy McKelvey, Chair
Gordon King, Vice Chair
Brenda Johnson, District 2
Neil Harrington, Tribal
Sarah Fisken, District 3, NWSC Alt.
Jeff Taylor, District 2, NWSC Rep.
Nam Siu, Marine Science
Joanie Hendricks, District 3 Alt
Heidi Eisenhour, *ex officio*, BoCC District 2
Gordon King, Commercial Interest
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Judy Surber, City of Port Townsend
Carol Hasse, Port of Port Townsend
Brent Vadopalas, Marine Sci Alt
Janette Mestre, District 1
Betsy Carlson, Envir/Conserv

Absent:

Heather Burns, District 3
Bryan DeCaterina, Env/Conserv Alt.
Roy Clark, Recreation Alt.

Guests: Lori Fleming, Jon Waggoner, David Winters, Allie Simpson, Karin Ertl, Mike Kennedy

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

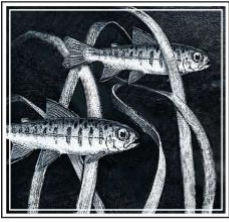
Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Troy called the meeting to order at 6:00 PM. Troy welcomed guests and MRC members.	A quorum was present.	All members – please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA APPROVAL OF MINUTES	Troy asked for approval/amendments to the agenda. Neil asked for a Port update to be added to the agenda. Motion to approve the updated agenda by Neil, which was seconded by Sarah. Agenda was approved. Troy asked for approval/amendments to the November 2022 Minutes. Brenda moved to approve the minutes, which was seconded by Gordon. Minutes passed.	Neil moved to approve the agenda. Sarah seconded. Motion passed. Brenda moved to approve the December minutes. Seconded by Gordon. Motion passed.	
PUBLIC COMMENT	No public comment.		
GUEST SPEAKER Megan Moore (NOAA)	Guest Speaker: Megan Moore (NOAA) - Impacts of the Hood Canal Bridge on migrating steelhead and potential solutions to address them <u>Steelhead smolt mortality and behavior at the Hood Canal Bridge</u> Steelhead threatened in Puget Sound, with a decline in marine survival since 1990s. Recovery of listed species is a mandate of NOAA Fisheries. Acoustic telemetry has been used to track the migration of juvenile steelhead through Puget Sound <ul style="list-style-type: none"> o Receivers placed through the migration path o Record of individual fish migration and survival Timeline of steelhead early marine research <ul style="list-style-type: none"> o 2006-2010 used acoustic telemetry to measure steelhead survival o 2007 Puget Sound steelhead listed as threatened under ESA o 2013 published a paper about the impact of the Hood Canal Bridge (HCB) on steelhead survival o HCB extends 15 ft under water surface o Steelhead migrate close to surface and the bridge acts as a barrier 		

	<ul style="list-style-type: none"> o Smolts spent more time at receiver arrays at the bridge, were detected on more receivers, and showed more mortality than all other arrays along their migration path o 2016 nonprofit Long Live the Kings secured funding from the SRFB and WA State to conduct inter-disciplinary research at the HCB <ul style="list-style-type: none"> o steelhead survival and behavior (NOAA) o water quality (PNL) o hydroacoustics (PGST) o predator surveys (WDFW) o light/noise effects (PGST/PNL) o 2017-2018 tagged 500 steelhead over 2 years from Skokomish River and Big Beef Creek o Installed extensive receiver arrays at the bridge and added an array at Twin Spits o Predator identification using tags with depth sensors o 2017 and 2018, ~50% of fish that made it to the HCB did not make it past o Steelhead spent 1-2 days at the HCB, a significant amount of time (total migration from river to Strait of Juan de Fuca was only 12-16 days) o Mortalities distributed around the bridge, Sisters Rock, Port Gamble Bay o Predators appeared to target high densities of fish in corners of the bridge structure o Harbor seals are likely the most significant predator o Predation occurred along the entire length of the bridge, usually during the day o Steelhead cross under or around the bridge usually on an ebb tide (rarely on a flood tide) <p><u>Structural Modifications Testing</u> In 2021, the Assessment Team began working with an engineering firm to design modifications to improve passage and survival</p> <ul style="list-style-type: none"> o 2023-2024, testing modifications on steelhead survival and predator behavior o We will be testing a fillet fish guidance structure on the bridge that will fill in the corner pontoon <ul style="list-style-type: none"> o Structure made of HDPE piping framework, geomembrane around to keep debris and animals out, will weigh 68,000 lbs o 60 ft x 60 ft x 85 ft triangle o Control/treatment block experimental design – structure will be attached to the bridge and removed on alternating weeks during steelhead migration <p><u>Adult Salmon Research</u> In 2022 we began an adult behavior tagging study on adult Chinook and Chum</p> <ul style="list-style-type: none"> o Goal is to assess whether the bridge alters migration and survival of adult salmon returning to spawning grounds in Hood Canal o Captured, tagged, and released 7 adult Chinook and 113 chum salmon <p>This project presents a unique opportunity to bring together fisheries managers and conservationists from Tribes, the state, and federal entities</p> <p>Discussion</p> <p><i>Gordon: Have you looked at the structure of the old bridge? Impact of the old vs new bridge, since replacement in 2009?</i></p> <ul style="list-style-type: none"> o <i>Megan: Replacement of the east half was similar design, heard that it is a little deeper than it used to be. Don't have specifications on how different it is. In 2009, east half of the bridge was being replaced, and there was much less steelhead mortality that year during the tagging study (half of the bridge was gone/open for fish passage).</i> <p><i>Carol: What month is it that the fillets are going to go in and out? When the steelhead come back to spawn, are the fillets going to go to the opposite side of the bridge?</i></p> <ul style="list-style-type: none"> o <i>Megan: April is when the Big Beef Creek smolts start migrating past the bridge. The study will start in April and go through the middle of May (6 weeks). Adult study results will determine future actions. We only have funding for one fillet in 2023, hoping to get funding for a second in 2024. Future studies using the fillets are possible, but we are waiting to analyze data regarding adult behavior and passage at the bridge.</i> 	<p>Hood Canal Bridge Ecosystem Impact Assessment: Phase I Report linked here: https://ltk.org/wp-content/uploads/2021/01/Hood-Canal-Bridge-Phase-1-Report-final-with-appendices.pdf</p>	
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	<p><i>Joan: First graph showing the steelhead mortality trends – where is that information from?</i></p> <ul style="list-style-type: none"> o <i>Megan: Published paper - Kendall did an analysis of all steelhead survival from wild and hatchery populations, compared Puget Sound to Salish Sea.</i> <p><i>Bob: Will the structures only be in during the study period? Are other marine organisms also getting eaten due to the barrier effect?</i></p> <ul style="list-style-type: none"> o <i>Megan: Yes, structures will only be in place during study period. They will be stored in Seabeck during the study period on the control weeks of the study. Very likely that other organisms are being preyed upon at the bridge. Port Gamble S'Klallam Tribe has done research on impacts to juvenile Chinook and chum salmon. Marine mammal biologists have talked about the bridge being a deterrent to whales. Migrating species, especially surface-oriented species, are likely the most affected.</i> <p><i>Brenda: Pigeon guillemot surveys were conducted on the bridge for the first time this year. Some days, numbered in the hundreds. Predation by birds?</i></p> <ul style="list-style-type: none"> o <i>Megan: Pigeon guillemots are a major predator at the bridge. I don't know if they would typically dive to such depths so frequently (as the tags with depth sensors were indicating). It's not out of the question, but data from tags provides more evidence for predation by harbor seals.</i> <p><i>Judy: The pontoons extend 15 ft below the surface. At what depth is it a barrier, versus something that fish will pass under?</i></p> <ul style="list-style-type: none"> o <i>Megan: Tags with depth transmitters show that most detections of steelhead were within the top 6 feet of the water column. That's the normal depth range for steelhead. We don't know for other species what the migration depth looks like.</i> 		
BoCC REPORT	<p>Commissioner Eisenhour – Update from BoCC</p> <ul style="list-style-type: none"> o Still waiting on instructions and guidance from Ecology on Shoreline Master Program o Annual reorganization of committees today, appointed to all the marine-related committees and staying on the MRC o Exploring idea of a Chimacum drainage district o Currently working on derelict vessel in Port Townsend Canal, under the bridge on private property 		
Port of PT	<p>Carol Hasse – Port Commissioner</p> <ul style="list-style-type: none"> o We have not had the first Port of PT meeting this year, it will be on January 11th o Tuesday evening on January 17th at 6pm at the Chimacum Grange – meeting where the public can provide input to Commission about the possible purchase of Short Farm o Barge at the PT jetty survived the recent storms o Construction is still on schedule; vessels should be able to move back on March 1st o On December 27th at –8 am when king tide crested, because of low atmospheric pressure it was 2 feet higher than predicted. Washed over Jefferson Street to heavy haul out pad, and filled the aluminum boat building with almost a foot of water. Director issued an emergency damage proclamation, closed Jefferson Street. Currently assessing damage and working with FEMA. 		
MEETING REPORTS AND ISSUE UPDATES	<p>NWSC Update (Jeff)</p> <ul style="list-style-type: none"> o Senator Murray called Lucas Hart, was able to get funding for NWSC into the budget (\$3 million dollars) o NWSC Executive Committee approved a DEI (Diversity, Equity, Inclusion) goals and statement; now working on actions to implement o Opening on the NWSC Science Committee o NWSF has set up a Salish Sea Conservation Corps program and looking for volunteers to be mentors (25-hour commitment, 5 hours per month until June) – contact Don Hunger if interested <p><i>Nam: I'm interested to hear more about the DEI initiative. Do you have any more information?</i></p> <ul style="list-style-type: none"> o <i>Jeff: The meeting highlights are in the email that Monica sent. Allie, do you have any comments?</i> o <i>Allie: It's in the beginning stages. We're working with a consultant to put together a survey to understand where we are as an Initiative, what the level of understanding is, and what are our goals. External as well as internal focus.</i> o <i>Nam: How can our MRC participate?</i> 	<p>NWSC Meeting Minutes DEI Vision and Goals on p 9 nwsc_120922_pre-meeting_materials.pdf (nwstraits.org)</p> <p>DEI Vision: We envision a broad, diverse, and inclusive group of individuals engaged in the health of their local ecosystems to ensure a thriving, resilient, and healthy Salish Sea. Our hope is that pursuing an equitable approach to marine conservation will engage, empower, and benefit all who inhabit the Northwest Straits.</p> <p>Goals:</p> <ul style="list-style-type: none"> • Membership and engagement: Achieve NWSI membership and engagement that is representative of the diverse communities within 	

	<ul style="list-style-type: none"> o <i>Allie: We will keep you updated on the process; we are working with a consultant to come up with a survey that will give us information to start.</i> o <i>Jeff: You can join the next NWSC meeting or run any comments through me.</i> <p>2022 European Green Crab Overview (Neil) Large populations in Lummi, Makah Bay, Willapa Bay, Grays Harbor. New sites in 2022 – Discovery Bay and Seabeck. Trapping efforts in Sequim Bay and other areas have kept things under control.</p> <p>South Discovery Bay</p> <ul style="list-style-type: none"> o 76 total crabs caught in 716 trap sets in 2022 = 10.6 crab/100 trap CPUE o Green crab concentrated at two sites in the bay: Long's Lagoon and mouth of Salmon Creek o Might be possible to run a trap line at these two sites over the long term o Likely two new WDFW techs based in Port Townsend to assist with trapping efforts <p>Monitoring trapping – WA SeaGrant collects ancillary data as well as identifying and removing any green crabs; Eradication trapping – don't collect data about other species caught in the trap, focus is on green crab removal</p> <p><i>Bob: WSU and Sea Grant are working together to create a volunteer program to identify European Green Crab molts. April/May timeframe for workshops. Geared toward shoreline owners and beachgoers to monitor shoreline for molts. Reports of findings will be part of the MyCoast app.</i></p> <p><i>Gordon: Read an article about someone selling live green crabs at Pike Place Market. One had eggs.</i></p> <p><i>Betsy: Marine Science Center is in the process of making acrylic models of EGC. Models will be used for teaching people to identify them.</i></p>	<p>each county.</p> <ul style="list-style-type: none"> • Projects: Deliver projects that are meaningful to and benefit the diverse communities within each county. • Staff: Create equitable and inclusive career opportunities in marine conservation through NWSI staff, internships, and staff support (consultants, etc.) positions. • Communications: Have inclusive and relevant messaging for the diverse communities in the Northwest Straits region to ensure information and materials are accessible to all. <p>Live European green crabs confiscated from seafood market; species remains prohibited in Washington Washington Department of Fish & Wildlife</p>	
<p>CURRENT AND UPCOMING PROJECTS</p>	<p>Forage Fish Monitoring – Jeff – (Adelma Beach) Sampled last month. Sarah – (Dabob) I did not sample last month due to the tides. Janette – (Old Ft Townsend) Did not sample last month. Will reach out soon about monitoring in January.</p> <p>Derelict Vessel Removal Program (Sarah) – Chimacum Creek derelict vessel removal estimated at \$30,000; MRC allocated \$81,000 for removals</p> <p><i>Sarah: Would it be worthwhile to put the sailboat in the PT Canal on NWSC list?</i></p> <ul style="list-style-type: none"> o <i>Heidi: It should be on the list. I'm working with DNR.</i> o <i>Solenne: If DNR and the County can move more quickly on this, can it happen under the MRC funds?</i> o <i>Monica: We allocated \$81,000 of congressional funds to derelict vessel removal; if there are no legal hang ups and everything lines up, we should be able to direct some of these funds toward this removal. The working group will be meeting again sometime this month to finalize prioritized vessels, so we have a small window to add it.</i> o <i>Solenne: County is an authorized public entity for reimbursement through DNR. Keep that in mind, if MRC cannot be reimbursed for the cost if they are federal funds.</i> <p>Shoreline Landowner Outreach (Sarah) – Subcommittee met today. We'll be organizing an in-person workshop, likely in March. Topics could include climate change, impacts on shoreline homes, actions that homeowners can take that don't include bulkheads, and moving houses. There may be another workshop focused on drainage. Site visits will start back up at the end of February.</p> <p>Rain Gardens (Jeanette) – Subcommittee meeting several weeks ago to plan for this year. Creating a list of possible tasks for an intern, including community outreach, support development of an adopt a rain garden program, and posting signage.</p> <p>Crabber Outreach (Monica) – Recent meeting to discuss intern roles, including dock outreach, education packet distribution, and possibly working with WDFW to process data from gear sweeps and crabber quiz as well as the opportunity to help with green crab trapping</p>	<p>Shoreline property site visit request form: https://www.surveymonkey.com/r/SiteVisit2019-2021</p>	

	<p>Storm Surge Monitoring (Jeff) – December 27 was a king tide event. Tide gauge at the ferry didn't record it, but estimate about 12 ft. Extensive flooding at the boat haven. Will be meeting with Ian Miller (WA Sea Grant) to talk about next steps. Judy recommended the walking ramp at Chetzemoka Park – will be added as another monitoring site.</p> <p>Kelp Monitoring (Solenne) – Upcoming meetings about kelp research</p> <ul style="list-style-type: none"> o DNR meetings: Jan 10th, 10am-12pm, Puget Sound floating kelp canopy vital sign indicator (3rd workshop) o Annual data review on Jan 19th, 3-5 pm on Zoom o Jan 25th, 10-12 Helen Berry leading kelp research and monitoring work group 		
FUTURE AGENDA TOPICS	<p>Nam: I would like to have more discussion about DEI topics in future meetings - how we can engage and how it relates to our MRC. I'd like to propose a subcommittee for DEI initiatives.</p> <ul style="list-style-type: none"> o Jeff: Do you think it should be a meeting among all MRCS? o Nam: I was thinking a group of our MRC members that works on this issue. <p>Nam made a formal motion to start a subcommittee on DEI. Seconded by Jeff. Motion passed.</p> <p>Solenne: Has WDFW adopted the type of DEI training platform that DNR has?</p> <ul style="list-style-type: none"> o Nam: WDFW is doing a good job with DEI. I think we could work to increase the diversity of our MRC, not only in terms of ethnic/racial background but overall having better representation of our community. o Jeff: The NWSC Initiative is not just looking at representation within the organization but also the projects that we are choosing to do – are we excluding certain areas, groups, communities? o Betsy: I think it's a good idea to start this while the NWSC is working on it, so that we are ready to support and add to their efforts. o Neil: I think we should put this on the agenda for next month. It could be important as we are trying to recruit new members. o Gordon: An outline of where we want to go with this would be good. o Monica: Members can email me if they're interested in joining and we'll add it to the agenda for the next meeting. 	Nam made a motion to create a subcommittee for DEI initiatives. Motion seconded by Jeff. Motion passed.	
PUBLIC COMMENT	None.		
MRC ROUNDTABLE/ ANNOUNCEMENTS	<p>Betsy:</p> <ul style="list-style-type: none"> o Three upcoming lectures with the PT Marine Science Center speaker series, all are held at 3 pm on Sundays at the Chapel at Fort Worden. <ul style="list-style-type: none"> o Jan 8th Mark Johnson, spaces in architecture/climate change and building o Jan 22nd Josh Bouma, PSRF, pinto abalone o Jan 29th Kevin Long, NOSC, upcoming river restoration o Relocation of marine organisms from the south jetty will be happening sometime this summer, by volunteer divers o PSRF is looking for a hatchery manager o MLK Day, invasive beach grass removal o Sylvia, the PTMSC octopus, will be released soon <p>David Winters: Surveying salmon with NOSC. Remarkable year on Chimacum Creek, 2,000-3,000 Summer Chum. Coho run on Chimacum Creek making it up to at least Eaglemount and Fox Creek.</p>		
ADJOURNMENT	Meeting was adjourned at 8:00PM. Next meeting will be February 7 th .	Neil moved to adjourn, seconded by Gordon. Motion passed.	



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AGENDA

- 6:00** Call to Order
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Amendments to/Approval of January 2023 Minutes
- 6:08** Public Comment
- 6:10** **Guest Speaker:** Libby Wennstrom and Stone – “Derelict vessel prevention & recovery: how to NOT end up on the beach”
- 6:55** **BoCC Report (Heidi)**
- 7:00** **Recent Meeting Reports & Issue Updates**
NWSC January meeting update (Sarah)
- 7:05** **Administrative Updates**
DEI Subcommittee
Oct 2023 – Dec 2025 MRC Funding & MRC Retreat
- 7:25** **Current and New Project Updates**
 - Forage Fish – Adelma (Jeff/Monica), Dabob (Sarah), Fort Townsend (Janette)
 - Shoreline Landowner Outreach (Sarah)
 - Kelp (Solenne)
 - Education & Outreach (Brenda)
 - No-Anchor Zones (Troy)
 - Storm Surge Monitoring (Jeff/Monica)
 - Olympia Oyster Restoration (Gordon/Neil)
- 7:47** Public Comment
- 7:50** Call for Future Agenda Topics/Speakers
- 7:52** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

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

February 24, 10am-3pm – NWSC monthly in-person [meeting](#)

March 7, 6-8pm – MRC monthly [meeting](#)

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

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

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February 7, 2023 Meeting Minutes**

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Janette Mestre, District 1
Bryan DeCaterina, Env/Conserv Alt.
Carol Hasse, Port of Port Townsend
Roy Clark, Recreation Alt

Absent:

Judy Surber, City of Port Townsend
Brent Vadopalas, Marine Sci Alt
Jeff Taylor, District 2, NWSC Rep.

Guests: Alden Rohrer, Stone, Libby Wennstrom,
Jonathan Waggoner, Kara Cardinal

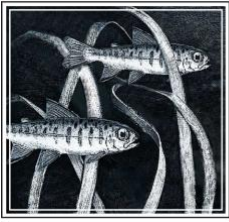
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Topic	Update or Issue	Decisions/Follow-Up	Responsibility
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APPROVAL OF MINUTES	Troy asked for approval/amendments to the January 2023 Minutes. Neil moved to approve the minutes, which was seconded by Betsy. Minutes passed.	Neil moved to approve the January minutes. Seconded by Betsy. Motion passed.	
PUBLIC COMMENT	No public comment.		
GUEST SPEAKER Libby Wennstrom and Stone, Salish Rescue	Libby Wennstrom and Stone- “Derelict vessel prevention & recovery: how to NOT end up on the beach” Libby– Not here as a city councilor but as someone on the Board of Directors for Salish Rescue; Stone – volunteer for Salish Rescue <u>Salish Rescue – Nonprofit working for Derelict Vessel Prevention</u> - Process: monitor, identify, contact, and educate - Problem area: directly off breakwater for Boat Haven Marina Monitor: keep track of vessels in our Area of Operations (AO) Identify: recognize potential problem vessels Contact: let potential problem vessels know they have resources available Educate: make sure they are making informed decisions Best time to address vessels is before they end up on the beach. Education really pays off in prevention of derelict vessels/shipwrecks. - Follow up with boat owners: the process never ends as long as a vessel remains a potential problem in our AO - Regular check-ins, especially ahead of major weather events - Communication is important <u>Area of Operations:</u> Port Townsend Bay, and as far south as Port Ludlow, west to Protection Island, north to Smith Island, and east to Whidbey Island		

	<p><u>What Salish Rescue Can/Cannot Do</u> Can – supplement entities like USCG and EJFR - advise vessel owners and crews on how to avoid incidents - provide assistance to get vessels to secure anchorage - assist vessels owners in self rescue - smaller salvage jobs - respond quickly</p> <p>Cannot – replace official entities or authority they bring - mandate vessel owners take action - mandate spill response</p> <p><u>Pollution</u> - check vessels for possible contamination - can and will remove containers likely to cause problems - carry oil absorbing pads to clean up any mess - call Coast Guard to notify of active spills - keep notes of what was removed - take pictures of pollution and potential issues before securing/leaving the scene</p> <p><u>Questions</u></p> <p><i>Gordon: How is your organization funded?</i> <i>Stone: I'm self-funded. There are some resources available, Salish Rescue is a 501(c)(3) nonprofit. We are mainly working on donations.</i></p> <p><i>Solenne: What is your best advice to boaters to stay off the beach? How do we reach more boaters?</i></p> <p><i>Stone: It's rare that boaters don't want to communicate and interact with other people, especially in unfamiliar waters. I've only had two bad experiences talking to people on their boats. If someone is under anchored, I will say something. New technology doesn't substitute for local knowledge and experience.</i></p> <p><i>Sarah: Do people sign up for Salish Rescue?</i></p> <p><i>Libby: We're a local 501(c)(3), all volunteer effort with no paid staff. We get dispatched from 911 and Coast Guard.</i></p> <p><i>Brenda: You do a lot of hands-on work approaching boats on the water, but for those of us who want to contribute to your educational campaign what would you recommend? Do you teach skills classes?</i></p> <p><i>Libby: We have taught at Wooden Boat Festival and we have taught classes for high school students. We have an upcoming course for middle school students. I would like to do more hands-on things in the future, for example with yacht clubs.</i></p> <p><i>Brenda: What's the best way to reach tourist boaters?</i></p> <p><i>Libby: Tourist boaters are less of the problem, mostly because they are here in the summer in good weather. We have had problems with casual kayakers going past the Point Wilson lighthouse.</i></p> <p><i>Carol: I've been teaching about anchoring and boat safety/operations for forty years and I know many of you have been as well. How do we make certain that anyone who buys and operates a boat is licensed to do so, and has the skills to be safe on the water?</i></p> <p><i>Stone: Not a bad idea to include basic training with boater's license, similar to a driver's license training. Other than the occasional tow, we don't deal with many people with boater's licenses in the first place. There are a lot of people who are working remotely/living aboard boats since the pandemic began; there are a lot of free boats out there which encourages inexperienced boaters.</i></p> <p><i>Solenne: WA State does require the boater education card for boaters, though woefully remiss at enforcing that. I'm wondering about how we can talk with WA State Parks and those that can enforce the boater education card. I know there are a lot of boaters on the water who don't even know there is a requirement to get the boater education card.</i> <i>Libby: Tying that to boater registration would help, but a lot of people don't have a registration for their boat either. There are</i></p>		
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	<i>a lot of people who use boats for inexpensive housing. I think the bulk of derelict vessel issues come from this group.</i>		
BoCC REPORT	<p>Commissioner Eisenhour – Update from BoCC Worked on getting the boat in the Port Townsend Canal removed thanks in part to the MRC derelict vessel subcommittee.</p> <ul style="list-style-type: none"> - Got the right of entry from landowners, divers assessed the boat and came up with a plan to sling the boat - Went out on a very long slack tide with the Star Marine tugboat and barge, lifted the boat using the slings that the divers placed under the boat and lifted it out of the water - The sailboat was registered as derelict in Whatcom County - On land now, with 60-day waiting period for emergency possession <p>Still moving forward with Shoreline Master Program, consultant will be under contract in next two weeks</p> <p>Backlog of building permits is being addressed</p> <p>Shoreline user guide – grant from Dept of Ecology with June 30th deadline</p>		
MEETING REPORTS AND ISSUE UPDATES	<p>NWSC Update (Monica) – Annual conference will be held on November 3-4th at the Northwest Maritime Center this year; the Commission is seeking MRC members interested in joining the planning committee - contact Caitlyn at blair@nwstraits.org</p> <p>The Commission passed a budget plan for the next MRC two-year (2023-2025) grant cycle, with each MRC receiving \$192,500 each year if the proposed 2023-2025 state budget passes</p> <p>The next Commission meeting will be on February 24th in-person in Snohomish County</p>	Contact Caitlyn, blair@nwstraits.org if you are interested in joining the planning committee for the annual MRC conference taking place in November 2023	
ADMINISTRATIVE UPDATES	<p>DEI Subcommittee Coincides with NWSC adopting goals for improving DEI goals across the Northwest Straits Initiative</p> <p><i>Nam: I think it is a good starting point for us to go from. As we gather demographic data from Jefferson County, we can come up with clearer goals for our MRC.</i></p> <p>Interested in joining the subcommittee: Neil, Gordon, Bob, Roy, Betsy, Kara</p> <p>2023-2025 MRC funding and retreat</p> <ul style="list-style-type: none"> - Discussed organizing a retreat to have a deeper conversation about local marine issues, projects we want to focus on, etc. - Monica created a survey to get input on the retreat - please respond by next Tuesday - Retreat will be held in March or possibly in April 		
CURRENT AND UPCOMING PROJECTS	<p>Forage Fish Monitoring – Monica – (Adelma Beach) Jeff surveyed January 13th Sarah – (Dabob) Surveyed in January Janette – (Fort Townsend) Sampled twice in January</p> <p>Shoreline Landowner Outreach (Monica) – We met with Lisa with the NW Straits Foundation. They are organizing a shoreline landowner outreach workshop in March for just Clallam County. We'll be organizing a workshop for Jefferson later in the spring.</p> <p>No Anchor Zones (Troy) – I will be working with Gordon and Bryan on Saturday morning. We are going to Marrowstone Island to do some work on the Mystery Bay buoys. If we recover any of the old buoys, they will be a mess, planning to use an aluminum boat that's easy to dive out of and that won't be damaged by the buoys.</p> <p>Storm Surge Monitoring (Monica) – January 23rd Jeff, with the team and Ian Miller, assessed the Salmon Club site and Chetzemoka Park site.</p> <p>Jon Waggoner: I got an email from Ian that the data he picked up was no good. He is going back out to collect new GPS data Carol: There have been storm surge issues at the Port, at Point Hudson and Boat Haven. We're a little concerned about the Lincoln beach bulkheads scouring a lot of the beach and</p>		

	<p>inside of the marina. Our port engineer would probably be happy to coordinate or share data with this endeavor.</p> <p>Education and Outreach (Brenda) – The subcommittee met this week and talked about priorities for spending the rest of this year's money.</p> <p>Kelp Monitoring (Solenne) – Floating kelp is becoming a vital sign indicator for the health of Puget Sound. Kelp genetics trials for restoration are ongoing. Kelp farming is happening in Washington state. There's a new interactive DNR map for kelp, that uses MRC data</p> <p>We are hoping to have a boat to do linear extent surveys to document bull kelp across East Jefferson County. This year, most of the kayak surveys will be taking place in the middle of the month on weekends due to the tides.</p> <p>Betsy: It sounds like there are data gaps in Discovery Bay and around Marrowstone Island. There may be an opportunity to get more involved and learn about that.</p> <p>Olympia Oyster Restoration (Neil) – Gordon and I are thinking May/June for spreading shell at the lagoon site. We need to work on logistics for spreading shell (barge, etc.) at the powerlines site.</p>	<p>Interactive DNR floating kelp forest map <u>Floating Kelp Forest Indicator for WA State (arcgis.com)</u></p>	
FUTURE AGENDA TOPICS	<p>Troy: Does anyone have ideas for future speakers for the MRC?</p> <p>Betsy: I don't have a speaker in mind, but I think a conversation piece to discuss would be the pinniped/salmon topic – around culling pinnipeds for the sake of salmon populations. Perhaps someone from Fish and Wildlife, or Joe Gaydos (SeaDoc Society).</p> <p>Gordon: It would be interesting to get someone from one of the Tribes to give their perspective.</p> <p>Neil: I can ask around at Jamestown.</p> <p>Bob: We should have a knowledgeable expert, like Neil, talk more in depth about European Green Crab.</p>		
PUBLIC COMMENT	None.		
MRC ROUNDTABLE/ ANNOUNCEMENTS	<p>Joan: If anyone's interested, the state legislature is meeting and will be voting on funding for the Duckabush Estuary restoration project. If you would like to encourage our state legislators to support that, you could write a letter.</p> <p>Carol: One great speaker would be Jake Beatty, Executive Director of the Maritime Center. Very active program teaching youth about the ecology of the Salish Sea. It would be great to hear from him and how that's done on vessels. A youth from one of the maritime programs (NWMC or PTMSC) might be a great person to have as part of the MRC.</p> <p>Discussion of creating a youth representative position on the MRC.</p>		
ADJOURNMENT	Meeting was adjourned at 8:00PM. Next meeting will be March 7 th .	Gordon moved to adjourn, seconded by Brenda. Motion passed.	



Jefferson County Marine Resources Committee

Meeting Agenda
Tues, March 7, 2023
6:00-8:00PM
*****Hybrid Meeting*****

Join in-person: 97 Oak Bay Rd, Port Hadlock
Join by computer/device: <https://us06web.zoom.us/j/82317298603>
Join by phone: +1 (253) 215-8782 US (Tacoma), Meeting ID: 823 1729 8603

Officers/Executive Committee:

Troy McKelvey, Chair
Gordon King, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fiskén, NWSC Alternate

MRC Members:

Solenne Walker, District 1
Janette Mestre, District 1
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Sarah Fiskén, District 3
Joanie Hendricks, District 3 Alt
Betsy Carlson, Envir/Conserv
Bryan DeCaterina, Env/Cons Alt
Carol Hasse, 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

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 February 2023 Minutes
- 6:08** Public Comment
- 6:10** **Guest Speaker:** Dr. Tarang Khangaonkar, PNW National Laboratory: “Shoreline Resolving Version of the Salish Sea Model (SSM_{HR}) & Flushing and Residence Computations”
- 6:50** **BoCC Report (Heidi)**
- 6:55** **Recent Meeting Reports & Issue Updates**
NWSC February meeting update (Jeff)
- 7:00** **Administrative Updates**
MRC Retreat
- 7:05** **Current and New Project Updates**
- No-Anchor Zones (Troy)
 - ROV derelict crab pot removal (Jeff)
 - Forage Fish – Adelma (Jeff), Fort Townsend (Janette), Dabob (Sarah)
 - Derelict Vessel Removal (Sarah)
 - Education & Outreach (Brenda)
 - Kelp (Solenne)
 - Olympia oysters (Neil)
 - Internships (Monica)
- 7:47** Public Comment
- 7:50** Call for Future Agenda Topics/Speakers
- 7:52** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

March 9, 11am – Salish Sea No-Anchor Zones meeting

March 14, 7pm – MRC DEI subcommittee meeting

March 14, 5-730pm – DNR Puget Sound region kelp [virtual workshop](#)

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

March 21, 8-9am – Executive Committee meeting

April 1, TBD – MRC retreat

April 4, 6-8pm – MRC monthly [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
March 7, 2023 Meeting Minutes**

Present:

Troy McKelvey, Chair
Gordon King, Vice Chair
Brenda Johnson, District 2
Neil Harrington, Tribal
Sarah Fiskens, District 3, NWSC Alt.
Nam Siu, Marine Science
Joanie Hendricks, District 3 Alt
Heidi Eisenhour, *ex officio*, BoCC District 2
Gordon King, Commercial Interest
Solenne Walker, District 1
Frank Handler, District 2 Alt
Betsy Carlson, Envir/Conserv
Janette Mestre, District 1
Bryan DeCaterina, Env/Conserv Alt.
Carol Hasse, Port of Port Townsend
Roy Clark, Recreation Alt
Jeff Taylor, District 2, NWSC Rep.
Brent Vadopalas, Marine Sci Alt

Absent:

Judy Surber, City of Port Townsend

Guests: Jeff Whitty, Tarang Khangaonkar, Marie Sprandel, Glenn Grant, Emily Buckner, Mike Conner

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

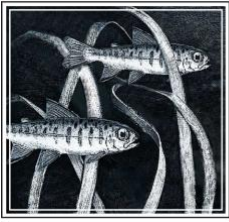
Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Troy called the meeting to order at 6:00 PM. Troy welcomed guests and MRC members.	A quorum was present.	All members – please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA APPROVAL OF MINUTES	Troy asked for approval/amendments to the agenda. Sarah requested to add a Shoreline Landowner Outreach update to the Project Updates section of the agenda. Motion to approve the agenda by Janette, which was seconded by Neil. Agenda was approved. Troy asked for approval/amendments to the January 2023 Minutes. Betsy moved to approve the minutes, which was seconded by Sarah. Minutes passed.	Janette moved to approve the agenda. Neil seconded. Motion passed. Betsy moved to approve the January minutes. Seconded by Sarah. Motion passed.	
PUBLIC COMMENT	Mike Conner in attendance, a retired coastal ecologist who recently moved to Port Townsend. He saw the Committee had some openings. Experience working on coastal eutrophication issues in Boston and San Francisco.		
GUEST SPEAKER Dr. Tarang Khangaonkar, PNW National Laboratory: "Shoreline Resolving Version of the Salish Sea Model (SSMHR) & Flushing and Residence Computations"	Dr. Tarang Khangaonkar, Program Manager at Pacific Northwest National Laboratory (PNNL) Salish Sea Model History -first funding was through NWSC, 15 years ago -used to be called Puget Sound model -initial funding allowed us to show the value of this tool -model was developed to be used, not only for the purpose of doing research – it was developed to be a practical tool Model development -hypoxia concerns and fish kills in Hood Canal 2000-2010 -needed a full scale model of Puget Sound to resolve dissolved oxygen issues -hydrodynamic model FVCOM (tides, currents, salinity, temperature, etc.) -water quality model FVCOM-ICM (nutrients, carbon, algae, detritus, zooplankton, larvae, DO pH, toxics, sediments, etc.)		

	<p>-domain encompasses Salish Sea to continental shelf in the Pacific Ocean</p> <p>Need for a regional high resolution operational and forecasting model</p> <ul style="list-style-type: none"> -increased risk of maritime accidents (projected 7-fold increase in tanker traffic in the region) -increased frequency of WWTP failures <p>Objective of NOAA IOOS Grant 2018, accurate real-time predictions for maritime emergency response (e.g., oil spills)</p> <ul style="list-style-type: none"> -prediction of harmful algal blooms -daily projection and five-day forecast <p>New model</p> <ul style="list-style-type: none"> -grid refinement that captures nearshore and intertidal regions -model predictions used to locate boat that sank near San Juan Islands and plane that crashed in 2022 -model forced using NOAA products -NOAA ran a project from 2015-2017 deploying ADCPs at stations around Puget Sound collecting current profiles, as well as salinity and temp -passed NOAA skill assessment requirements -model validation using tidal ellipses -oil spill prediction model expected to be operational for NOAA in 2024 -animations are uploaded to PNNL YouTube channel <p>Evaluating Transport Time Scales</p> <ul style="list-style-type: none"> -residence time (time that a water parcel spends in an area of interest) -flushing time (time taken for an area to return to clean conditions if there was contamination) -published values of flushing time for basins -poor mixing in certain basins <p>Questions</p> <p><i>Gordon: How much of the bathymetry of WA coast is in the model?</i></p> <p><i>Tarang: Bathymetry information at the vertices of each triangle in the domain of the model.</i></p> <p><i>Carol: What is the Central Basin? What is open ocean boundary – shelf?</i></p> <p><i>Tarang: Boundary at the shelf was selected after trial and error at getting the model to work properly. We found that as tides cross the continental shelf there is complex mixing. If boundary is set off shelf, it would need to go far, which is a large computational burden. So, we chose a bathymetric contour at ~300 meter at the continental shelf.</i></p> <p><i>Central Basin is defined as Admiralty Inlet sill near Hansville to Tacoma Narrows.</i></p> <p><i>Glenn: At what remaining concentration is a basin considered flushed?</i></p> <p><i>Tarang: Flushing time follows an exponential curve, mathematically never reaches zero. Must define preset concentration. Flushed when it reaches that value (1/e). 37% of initial concentration (arbitrary value).</i></p> <p><i>Brent: What is the resolution of bathymetric data in the model, and what is the source?</i></p> <p><i>Tarang: Varies by region. Within Puget Sound, we have some that is 10m resolution from NOAA. Model grid cell size varies from 100m to 200m or more (matches grid resolution, eg at the shelf 3 km).</i></p> <p><i>Jeff: Meteorological forecast – does that include storm surge? Can you see eddies with this tool?</i></p> <p><i>Tarang: When the model is operational, or doing hindcasting, it will be included into the model. Yes, eddies are visible in the model. You can see fronts going by as well.</i></p> <p><i>Glenn: Could the model be run on a PC with a good GPU?</i></p> <p><i>Tarang: Regular SSM – takes about 8 hours to run one year simulation using 96 processors in parallel. We started the Salish Sea Modeling Center in Seattle at University of Washington for anyone who wants to run the model (get an account, help to run the model). It's meant for researchers, students in the area to use the model without being hindered by computing needs.</i></p> <p><i>Bob: Will the model be publicly accessible once it is operational?</i></p>		
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	<p><i>Tarang: Operational model means there will be a prediction for the day and a five-day forecast. That information will be calculated by NOAA/data will be accessible through NOAA.</i></p> <p><i>Emily: I'm curious if you have any applications of the model that you are personally excited about?</i></p> <p><i>Tarang: Any unsolved problem is exciting. Fecal coliform bacteria project with PIC, help to determine what bacterial issues are caused by loading vs water movement, wind, etc. Another project – PCBs in fish tissue. WDFW and others have been working on contaminated sites (superfund sites, cleaned up and capped). PCBs are still detected in fish tissue. Hypothesis that PCBs are entering the water, absorbed by phytoplankton, and entering the food web. Building a PCB model to establish model of PCBs in food chain. Invasive European green crab – building an individual based model of green crab larvae to predict the spread of green crab into Puget Sound. How quickly and where are they likely to go?</i></p> <p><i>Nam: I'm curious if the model is periodically updated with new data, thinking of changes in climate/water temps and other changing parameters?</i></p> <p><i>Tarang: Yes, Dept of Ecology maintains monthly monitoring program that is continuously collecting data that is incorporated into the model.</i></p> <p><i>Nam: There was an earthquake in the Pacific last year that resulted in a tsunami watch along the west coast. I observed very compressed tidal cycle and unusual currents while in the water during that day, is that something that can be factored into the model and run to see the effects?</i></p> <p><i>Tarang: It can be, we haven't looked at that specific event. We would need to go back and rerun it. It would start at the continental shelf boundary – we don't have sensors at the boundary. So it would have to be included in the Global HICOM model; if detected, we would have already seen it.</i></p>		
BoCC REPORT	<p>Commissioner Eisenhour – Update from BoCC</p> <ul style="list-style-type: none"> -Shoreline Master Program, slowdown because of historic number of permit applications -Shoreline user guide grant – want to get work done before SMP update so they complement each other -Officially both due at the end of June 2023 -Expansion of Dabob Bay NAP: good hearing in Olympia, \$8 million allocated in state budget -Derelict vessel issues – Kala Point -Natural climate solutions account – funding, conversations about carbon sequestration as a way to use that account; Restoration or protection activities that can sequester carbon -Search for new WSU Extension director 		
MEETING REPORTS AND ISSUE UPDATES	<p>NWSC Update (Jeff) –</p> <ul style="list-style-type: none"> -Puget Sound Day on the Hill – May 8th in person in DC; All invited, organized by the Puget Sound Partnership -In-person NWSI/MRC conference this year, at the Maritime Center on November 3rd and 4th -NWSC meetings are now being held in-person 		
ADMINISTRATIVE UPDATES	<p>Monica –</p> <ul style="list-style-type: none"> -MRC retreat planning team met yesterday and set the agenda: 9am to 2:30pm on Saturday, April 1st at WSU classroom -It will have breakout groups so that those joining by Zoom can also participate in discussions -At the April monthly meeting, we will recap what was discussed for those that cannot attend 	MRC retreat will be held on April 1 st 9am to 2:30pm at WSU Classroom	
CURRENT AND UPCOMING PROJECTS	<p>Forage Fish Monitoring –</p> <p>Jeff – (Adelma Beach) Surveyed in February. Sarah – (Dabob) Surveyed in February. Janette – (Old Ft Townsend) We sampled in February.</p> <p>Derelict Vessels (Sarah) –</p> <ul style="list-style-type: none"> -February 9th was last meeting -Dana Oster will share an update on progress once they get an interagency agreement signed with DNR -A lot of people were interested in vessel turn-in events, later this spring there will be one in Neah Bay <p>Shoreline Landowner Outreach (Sarah) –</p> <ul style="list-style-type: none"> -Clallam County is hosting a Shore Friendly workshop this Saturday at Dungeness River Center from 10am to 2pm; Only 28 people signed up, so there is room for more participants and Jefferson residents are welcome 	<p>“Living with Sea Level Rise” Shore Friendly Workshop 10am-2pm on Saturday, March 11th at the Dungeness River Nature Center</p>	

	<p>No Anchor Zones (Troy) – - Two weeks ago we went to Mystery Bay - Gordon took buoys back to storage at WSU; getting ready to clean them and put stickers on them to put out in April or May for summer season</p> <p>Derelect crab pot removal (Jeff) – - Going to focus on Port Townsend Bay this year - Don't have a boat – looking for volunteers with an 18-20ft boat that will get dirty</p> <p><i>Carol: Port boat that's used for setting and retrieving no-anchor zone buoys is at NW school of wooden boat building, sled is being built to incorporate a waste tank and a solar pump for a pump out facility to serve boats in PT. Will be a while before it's available.</i></p> <p>Internships (Monica) – - Internship positions were approved by the County, and we are actively recruiting - We have three applicants so far; three of four positions are being advertised through the end of the month intended for early career folks - Spread the word!</p> <p>Education/Outreach (Brenda) – - Team met to decide how to spend remaining funds through September - Want to do several in person events, including Digging for Dinner, Searching for Seaweed, Collaboration with PTMSC, and Wooden Boat Festival and Fjordfest</p> <p>Kelp Monitoring (Solenne) – - Please join us for North Beach Kelp Kayak Surveys: 3 Surveys, All Weekends, <0-2 ft tide. June 17-18 (– 2.2 ft), July 15-16 (– 1.7 ft), August 11-13 (– 0.0 ft) - In mid-April, I will send out one pre-season PowerPoint to review kelp protocol - In late May, safety meeting in person - To participate in the surveys, you'll also need to watch the Foundation's training videos and sign liability forms</p> <p>DNR Kelp virtual workshops for collaborative stewardship March 14th, 5-730pm March 21st, 5-730pm</p> <p>In-person Workshops March 16th, 1-4pm at Hoquiam Timberland Library March 23rd, 1-4pm at Rosehill Community Center in Mukilteo</p> <p>Olympia oyster restoration (Neil) – Need to work out logistics and dates for spreading shell at the powerlines; visited the lagoon site last week – Olys are looking good</p>	<p>DNR Kelp and Eelgrass Recovery https://www.dnr.wa.gov/kelp-and-eelgrass-plan</p>	
<p>FUTURE AGENDA TOPICS</p>	<p>Nam: First DEI subcommittee meeting will be held on March 14th. Saw a presentation at WSG Shellfish Grower's Conference by Sea Grant science writers – new update to their book includes a diversity of perspectives in shellfish industry (women, Tribes, etc.). We could invite the science writers to talk about their book. Bob: Green crab presentation would be great to have soon.</p>	<p>Washington Sea Grant Book, Heaven on the Half Shell https://uwapress.uw.edu/book/9780295750767/heaven-on-the-half-shell/</p>	
<p>PUBLIC COMMENT</p>	<p>None.</p>		
<p>MRC ROUNDTABLE/ ANNOUNCEMENTS</p>	<p>Monica: District 3 Rep Heather Burns resigned. Joan, as the alternate, now has voting power for District 3. District 3 and District 1 Alt positions are currently open.</p> <p>Betsy: On March 12th, speaker for PTMSC lecture series will be talking about grey whales in Puget Sound at the chapel in Fort Worden.</p> <p>Monica: Beach Naturalist training registration closes on March 27th – help spread the word.</p> <p>Nam: There's been a recent sighting of a new species of invasive algae. It's a red turf algae called Ahnfeltiopsis, signs will be put up soon by WDFW. Get in touch with us if you see it anywhere. Reported in Dabob Bay.</p> <p>Heidi: Senate Bill 5371 that mandates vessels to stay 1000 ft from orca whales made it through the Senate, heading to the House. Accepting public comments.</p>		

ADJOURNMENT	Meeting was adjourned at 8:00PM. Next meeting will be April 4 th .	Gordon moved to adjourn, seconded by Janette. Motion passed.	
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Jefferson County Marine Resources Committee

Meeting Agenda
Tues, April 4, 2023
6:00-8:00PM

*****Hybrid Meeting*****

Join in-person: 97 Oak Bay Rd, Port Hadlock

Join by computer/device: <https://us06web.zoom.us/j/82317298603>

Join by phone: +1 (253) 215-8782 US (Tacoma)

Meeting ID: 823 1729 8603

**Officers/Executive
Committee:**

Troy McKelvey, Chair
Gordon King, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fiskén, NWSC Alternate

MRC Members:

Solenne Walker, District 1
Janette Mestre, District 1
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Troy McKelvey, Recreation
Roy Clark, Recreation Alt
Judy Surber, City of PT
Neil Harrington, Tribal

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 March 2023 Minutes
- 6:08** Public Comment
- 6:10** **Discussion:** MRC retreat and projects
- 6:50** **BoCC Report (Heidi)**
- 6:55** **Recent Meeting Reports & Issue Updates**
NWSC February meeting update (Jeff)
- 7:00** **Current and New Project Updates**
- Forage Fish – Adelma (Jeff), Fort Townsend (Janette), Dabob (Sarah)
 - Shoreline landowner outreach (Sarah)
 - Kelp (Solenne)
 - No-Anchor Zones (Troy)
 - Olympia oysters (Neil)
 - DEI (Nam)
 - Internships (Monica)
- 7:47** Public Comment
- 7:50** Call for Future Agenda Topics/Speakers
- 7:52** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

April 19, 1-4pm – HCCC Board of Director's [meeting](#)

April 16, 1-5pm – Connectivity Fair

April 17, 9-10am – Executive Committee meeting

April 20, 3-5pm – MRC kelp monitoring season kickoff

April 23, 1130am-4pm – Digging for Dinner at Quilcene WDFW Tidelands

April 28, 10am-12pm – NW Straits Commission meeting

May 2, 6-8pm – MRC monthly [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
April 4, 2023 Meeting Minutes**

Present:

Troy McKelvey, Chair
 Gordon King, Vice Chair
 Brenda Johnson, District 2
 Sarah Fiskén, District 3, NWSC Alt.
 Nam Siu, Marine Science
 Joanie Hendricks, District 3 Alt
 Heidi Eisenhour, *ex officio*, BoCC District 2
 Frank Handler, District 2 Alt
 Betsy Carlson, Envir/Conserv
 Janette Mestre, District 1
 Bryan DeCaterina, Env/Conserv Alt.
 Carol Hasse, Port of Port Townsend
 Roy Clark, Recreation Alt
 Jeff Taylor, District 2, NWSC Rep.
 Brent Vadopalas, Marine Sci Alt

Absent:

Judy Surber, City of Port Townsend
 Solenne Walker, District 1
 Gordon King, Commercial Interest
 Neil Harrington, Tribal

Guests: Jon Waggoner, Mike Connor

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

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Troy called the meeting to order at 6:00 PM. Troy welcomed guests and MRC members.	A quorum was present.	All members – please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA	Troy asked for approval/amendments to the agenda. Motion to approve the agenda by Neil, which was seconded by Sarah. Agenda was approved.	Neil moved to approve the agenda. Sarah seconded. Motion passed.	
APPROVAL OF MINUTES	Troy asked for approval/amendments to the March 2023 Minutes. Jeff moved to approve the minutes, which was seconded by Bryan. Minutes passed.	Jeff moved to approve the March minutes. Seconded by Bryan. Motion passed.	
PUBLIC COMMENT	None.		
DISCUSSION MRC Projects and Takeaways from the MRC Retreat	<p>MRC Retreat and Projects</p> <p><u>Presentation of Key Takeaways from MRC Retreat (Monica)</u></p> <ul style="list-style-type: none"> - Continue with existing projects, some expansion - Add a Derelict Vessel Resources project - Hire a part time MRC Assistant staff person - Develop a rubric for assessing projects for the future - Organize an MRC retreat each year <p><i>Heidi: I thought it was valuable to have time to brainstorm. I remember talking about hiring another full-time staff person.</i></p> <p><i>Jeff: With just one staff, if we are adding new projects, we need to add more staff capacity.</i></p> <p><i>Monica: Will work on the budget and determine if we can hire an assistant more than part time.</i></p> <p><u>Project Review</u></p> <p>Forage Fish Spawning Surveys:</p> <ul style="list-style-type: none"> - Goal to monitor spawning seasonally at Fort Townsend for five years post-restoration (fall 2016) - MRC has collected data for 7 years now - Point No Point Treaty Council interested in continued data collection at Fort Townsend - Will continue monitoring Fort Townsend during peak months of Oct-Dec through 2025 and monthly at WDFW Index sites (Disco Bay, Dabob Bay) 		

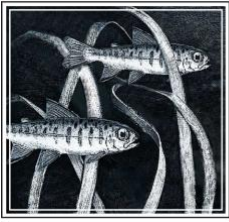
	<p>- Interest in adding sites; will see if WDFW or others have capacity for processing samples for new sites</p> <p>Bull Kelp Monitoring:</p> <ul style="list-style-type: none"> - North Beach monitoring started 7 years ago (July 2016) - Will continue monitoring as part of the regional long term data collection effort - Plan to conduct linear extent surveys to assess bull kelp across East Jeff Co - Plan to use the Salish Sea Model to add to understanding of the PT sewer outfall effluent circulation - Consider hiring contractor to analyze satellite data, or purchasing software to analyze <p>Storm Surge Monitoring:</p> <ul style="list-style-type: none"> - 7 years of data, one year of monitoring as MRC - Currently hiring an intern to help develop the protocol - Will continue to develop this project <p>Olympia Oyster Restoration:</p> <ul style="list-style-type: none"> - Goal to re-establish Olympia oyster population in Disco Bay and at least one other local bay - Will continue to monitor annually and spread shell as needed - Consider next steps with Kilisut Harbor <p><i>There was discussion about limiting activities or exploring alternative substrates with the limited supply of cultch.</i></p> <p>Rain Gardens:</p> <ul style="list-style-type: none"> - Initial goal to install one to two rain gardens each year, and maintain established network - To date, 17 rain gardens (12 in PT, 3 in Quilcene, 2 in PH); will be adding 2 more this year - Currently hiring an intern to begin rain garden stewardship program - Will shift to maintenance <p>Eelgrass/Shellfish Protection Voluntary No-Anchor Zones:</p> <ul style="list-style-type: none"> - Goal to protect three eelgrass and shellfish habitat areas - Will continue maintenance and monitoring - Plan to assess existing eelgrass data and determine need to fill data gaps - Will look into adding 1 new buoy between the ferry and Boat Haven in existing no-anchor zone along Port Townsend waterfront <p>ROV Derelict Crab Pot Removal:</p> <ul style="list-style-type: none"> - Goals to engage STEM students in marine conservation, remove derelict crab pots from our marine waters, and focus on areas not targeted by other removal efforts - Currently planning for side scan sonar and ROV removal in PT Bay as a relatively safe area we can continue to develop methods - Will continue to develop ROV capability and plan to later focus on areas other than PT Bay (adding Dabob and Quilcene to existing list) <p>Education and Outreach:</p> <ul style="list-style-type: none"> - Goal to engage public in marine education and stewardship - Will continue existing efforts: speaker series, tabling festivals, digging for dinner, searching for seaweed, crabber outreach, shoreline landowner outreach - Will explore effectiveness of Clallam MRC's coasters and consider for crabber outreach <p><i>Heidi: Another staff person would be very helpful for education and outreach efforts – develop and host events, do outreach, coordinate volunteers, etc.</i></p> <p><i>Bob: Education needed for potential derelict vessel owners – how do we reach people to avoid vessels becoming derelict?</i></p> <p>Derelict Vessel Resources:</p> <ul style="list-style-type: none"> - Goal to figure out how to best work on this issue and direct folks to the right resources for different scenarios - First educate the MRC – collect and distill all informational resources, e.g., create guidelines to understand what to do in various scenarios - Plan to create a project webpage on MRC website - Plan to source or create a brochure to distribute with key partners - Consider organizing a workshop to educate boaters 		
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	<p><i>Brenda: Solenne sent the derelict vessel committee an informative email. She is a great resource for all of that. PSP Action Agenda Strategy 17 is for responsible boating – also addresses all these things. Need to find out what others have been/are doing and draw on those resources. I'm not sure the MRC is the right place for this project.</i></p> <p><i>Carol: If the MRC had its own vessel and could deliver information about responsible boat ownership, anchoring, etc. to boaters on the water, we would be more effective at reaching people that may not have the skills to keep a vessel in safe working condition (that may not come to safety workshops).</i></p> <p><i>Heidi: We talked about reaching out to Snohomish and San Juan MRC that are doing derelict vessel programs. It would be great if we could make a webpage that had derelict vessel resources that would direct people to the correct places- focus on accessibility and availability of information.</i></p> <p><i>Joan: Would it be better to have it on the Jeff Co webpage? More people would see it.</i></p> <p><i>Nam: Opportunities to work with Salish Rescue? We could help them by producing educational resources for them to hand out to boaters on the water.</i></p> <p><i>Betsy: We should collaborate with other MRCs so that we have consistent messaging to boaters.</i></p> <p><i>Consensus: Need more discussion and research on this topic</i></p> <p><u>Plans for Moving Forward with MRC Projects</u></p> <p>Derelict Vessel Resources: - Do research for creating educational materials - Put money toward developing materials (printing, website, staff time)</p> <p><i>All members in agreement.</i></p> <p>Education/Outreach as presented: <i>All members in agreement.</i></p> <p><i>Brenda: Need a discussion about restructuring efforts. We are doing most things in collaboration with partners, but some projects seem more like they should be a subcommittee unto themselves. Something to keep in mind.</i></p> <p>ROV Derelict Crab Pot Removal as presented: <i>All members in agreement.</i></p> <p>No-Anchor Zones: <i>Carol: Port has a lot of information about eelgrass mapping at areas where the Port has done maintenance. Those are a matter of public record. Viable anchorages between Boat Haven and the mill, Chimacum Creek, Port Hadlock could be explored for eelgrass beds.</i></p> <p>Monica confirmed interest in continuing current project and to add an exploration of what the data gaps are.</p> <p><i>All members in agreement.</i></p> <p>Rain Gardens as presented: <i>All members in agreement.</i></p> <p>Olympia Oyster Restoration as presented: <i>All members in agreement.</i></p> <p>Storm Surge Monitoring: <i>Betsy: What role does the MRC play?</i></p> <p><i>Jeff: We are collecting data for understanding coastal events. Research project that might help others to understand what parameters to look at to understand coastal flooding events.</i></p> <p><i>All members in agreement.</i></p> <p>Bull Kelp Monitoring as presented: <i>All members in agreement.</i></p> <p>Forage Fish Spawning Surveys as presented: <i>All members in agreement.</i></p> <p><i>Nam: Look at shoreline sites at risk of development when prioritizing new sites for surveys (areas that have not been</i></p>		
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WDFW Forage Fish Spawning Map
<https://wdfw.maps.arcgis.com/home/webmap/viewer.html?webmap=19b8f74e2d41470cbd80b1af8dedd6b3&extent=-126.1368,45.6684,-119.6494,49.0781>

	<p>mapped). Once a site has been designated forage fish spawning habitat, it always stays that way (protected). <i>Monica: There was discussion about limited capacity of partners to process samples in the lab and whether we could process our own samples? Would that data be of high enough quality to contribute to the WDFW regional database?</i></p> <p><i>Nam: Good idea for MRC members to take training to process samples. MRC could buy equipment. Really expands our capacity to monitor new sites.</i></p> <p><i>Carol: Port plans to build 3 ft tall seawall in Port Townsend waterfront, from the ferry to the Larry Scott Trail. Do we need to do mitigation for eelgrass, forage fish?</i></p> <p><i>Nam: Plan ahead for mitigation! Budget into the project mitigation plans, at least 10% of project cost.</i></p> <p>Hiring additional part-time or full-time MRC staff for project support: <i>Brenda: Our subcommittees have a lead person for a reason, that person takes on more responsibilities. Monica is working at her full capacity, doing things that we all could and should be doing. I'm not sure hiring another person will really solve the problem. Subcommittees should be working as intended.</i></p> <p><i>Monica: Is that a dissent?</i></p> <p><i>Brenda: I encourage more discussion about it.</i></p> <p><i>Betsy: Are we as an MRC trying to do too much?</i></p> <p><i>Monica: I am happy to hire another person if it will increase our capacity to carry out these projects for the purpose of restoring and protecting our marine environment.</i></p> <p><i>Bob: Two staff is not a lot of capacity. We have the funding and I think we should hire another person to increase our ability to implement the projects, oversee interns, etc.</i></p> <p><i>Nam: It seems like there is need for Monica to have some help. We're all volunteers, and some of us have more capacity to participate than others.</i></p> <p><i>All members in agreement of hiring additional staff.</i></p>		
BoCC REPORT	<p>Commissioner Eisenhour – Update from BoCC</p> <ul style="list-style-type: none"> o Don't have updates about Shoreline Master Program <ul style="list-style-type: none"> ▪ Working at half-staff capacity, which is causing slowdowns in ongoing projects o Hiring consultant to develop Shoreline User Guide o Helping DNR retrieve the boat on Kala Point <ul style="list-style-type: none"> ▪ DNR has talked to Kala Point HOA and is going to pull the boat off the beach ▪ Access authorization done today <p><i>Sarah: The boat near Chimacum Creek we listed for removal seems to no longer be there, so we added the Kala Point boat for consideration as part of the DNR-NWSI regional derelict vessel removal effort.</i></p> <ul style="list-style-type: none"> o Vessel turn-in program will be taking place on June 5th at Port of Port Townsend o NWS Conference planning committee, Nov 3rd and 4th 		
MEETING REPORTS AND ISSUE UPDATES	<p>NWSC Update (Jeff) –</p> <ul style="list-style-type: none"> o Will be attending Puget Sound Day on the Hill taking place May 8-11; focus will be on continuous funding and reauthorization of NWSI o Senator Murray is visiting local Tribes tomorrow, interested in green crab 		
CURRENT AND UPCOMING PROJECTS	<p>Shoreline Landowner Outreach (Sarah) – Shore Friendly workshop in Clallam County last month; Lisa with the Foundation is considering doing one for Jefferson this fall</p> <p>No Anchor Zones (Troy) – Last week, we worked on the eelgrass NAZ buoys (removing old labels and replacing with new); planning to swap PT winter floats with summer buoys soon</p> <p>Internships (Monica) –</p>		

	<p>Three of four positions have an application deadline of March 31st and currently have 12 applicants in total for the four positions. Will be sending applications out to members on interviewing teams to review and select candidates for interview</p> <p>Olympia Oyster Restoration (Monica) – Conducting community outreach on Marrowstone in partnership with Puget Sound Restoration Fund (PSRF) and WDFW about possible Olympia oyster restoration efforts in Kilisut Harbor. Organizing presentations – virtual presentation on May 4th, in-person at Fort Flagler on May 7th followed by a beach walk.</p> <p>DEI (Nam) – First subcommittee meeting in March. Talked about thoughts on what’s lacking on the MRC, lengthy discussion about involvement with the Tribes (engaging, membership seats on the MRC to accommodate Tribes with U&A, etc.). Conversation about other underrepresented groups, opportunities for DEI training for MRC members, increasing diversity of guest speakers at MRC meetings, and ensuring current members feel included and appreciated for the time that they spend volunteering for the MRC.</p> <p><i>Bob: We also talked about adding a youth position to the MRC and about recruiting among members and participants of differing socioeconomic status across the County.</i></p> <p>Rain Gardens (Bob) – We are exploring working with the Old Alcohol Plant Inn to mitigate stormwater that’s going down a gully and down to the beach. Landscape/gardening staff are interested in collaborating with the MRC and installing a rain garden In early to mid-May.</p>		
FUTURE AGENDA TOPICS	<p>Heidi: Derelict vessel program in Olympia</p> <p>Monica: MRC members attending the retreat suggested Alan Trimble to discuss existing eelgrass data and mapping efforts.</p> <p>Nam: Heaven on the Half Shell authors. Also, the DOH marine biotoxin program specialists, hoping it might coincide with Digging for Dinner.</p> <p>Brenda: A presentation from the North Coast MRC, as we are often confused with them. The Coordinator, Tami Pokorny, is also the Conservation Futures Program rep.</p>		
PUBLIC COMMENT	None.		
MRC ROUNDTABLE/ ANNOUNCEMENTS	Digging for Dinner event on April 23 rd .	Digging for Dinner Tickets. Sun. Apr 23, 2023 at 11:30 AM Eventbrite	
ADJOURNMENT	Meeting was adjourned at 8:00PM. Next meeting will be April 4 th .	Sarah moved to adjourn, seconded by Betsy. Motion passed.	



**Jefferson County
Marine
Resources
Committee**

**Meeting Agenda
Tues, May 2, 2023
6:00-8:00PM**

*****Hybrid Meeting*****

Join in-person: 97 Oak Bay Rd, Port Hadlock

Join by computer/device: <https://us06web.zoom.us/j/82317298603>

Join by phone: +1 (253) 215-8782 US (Tacoma)

Meeting ID: 823 1729 8603

**Officers/Executive
Committee:**

Troy McKelvey, Chair
Gordon King, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fisksen, NWSC Alternate

MRC Members:

Solenne Walker, District 1
Janette Mestre, District 1
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Vacant, District 3
Sarah Fisksen, District 3
Joanie Hendricks, District 3 Alt
Betsy Carlson, Envir/Conserv
Bryan DeCaterina, Env/Cons Alt
Carol Hasse, 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

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 April 2023 Minutes
- 6:08** Public Comment
- 6:10** **Guest Speaker:** Neil Harrington, Jamestown S’Klallam Tribe
Environmental Biologist – Green Crab Update
- 6:50** **BoCC Report** (Heidi)
- 6:55** **Port of PT Update** (Carol)
- 7:00** **Recent Meeting Reports & Issue Updates**
NWSC April meeting update (Jeff)
Discuss hybrid or in-person meetings (Monica)
- 7:10** **Current and New Project Updates**
 - ROV derelict crab pot removal (Jeff)
 - Forage fish monitoring – Adelma (Jeff), Dabob (Sarah)
 - Derelict vessel removal (Sarah)
 - No-anchor zones (Troy)
 - Olympia oysters (Neil)
 - Rain gardens (Bob/Janette)
 - Kelp (Solenne)
 - Education & outreach (Brenda)
 - Internships (Monica)
 - DEI (Nam) – 10 minutes
- 7:47** Public Comment
- 7:50** Call for Future Agenda Topics/Speakers
- 7:52** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

May 4, 7-8pm – MRC virtual talk on Olympia oyster restoration in Kilisut Harbor ([register here](#))

May 7, 11am-1pm – MRC talk and beach walk on Olympia oyster restoration in Kilisut Harbor ([register here](#))

May 11, 11am-1230pm – Salish Sea No-Anchor Zone meeting

May 17, 1-4pm – HCCC Board of Director's [meeting](#)

May 23, 9-10am – Executive Committee meeting

May 26, 10am-12pm – NW Straits Commission meeting ([Zoom](#))

May 27-28 – Fjordfest

June 5, 9am-1pm – Olympia oyster population survey

June 6, 12-2pm – Searching for Seaweed @ Point Hudson (registration link coming...)

June 6, 6-8pm – MRC monthly [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
May 2, 2023 Meeting Minutes**

Present:

Troy McKelvey, Chair
 Gordon King, Vice Chair
 Brenda Johnson, District 2
 Sarah Fisken, District 3, NWSC Alt.
 Nam Siu, Marine Science
 Frank Handler, District 2 Alt
 Betsy Carlson, Envir/Conserv
 Janette Mestre, District 1
 Bryan DeCaterina, Env/Conserv Alt.
 Carol Hasse, Port of Port Townsend
 Roy Clark, Recreation Alt
 Jeff Taylor, District 2, NWSC Rep.
 Brent Vadopalas, Marine Sci Alt
 Neil Harrington, Tribal
 Solenne Walker, District 1

Absent:

Judy Surber, City of Port Townsend
 Heidi Eisenhour, *ex officio*, BoCC District 2
 Joanie Hendricks, District 3 Alt

Guests: Marie Sprandel, Barbara ML

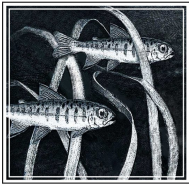
Staff: Monica Montgomery, MRC Coordinator
 Bob Simmons, WSU Extension

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Troy called the meeting to order at 6:00 PM. Troy welcomed guests and MRC members.	A quorum was present.	All members – please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA APPROVAL OF MINUTES	Troy asked for approval/amendments to the agenda. Motion to approve the agenda by Gordon, which was seconded by Sarah. Agenda was approved. Troy asked for approval/amendments to the April 2023 Minutes. Betsy moved to approve the minutes, which was seconded by Roy. Minutes passed.	Gordon moved to approve the agenda. Sarah seconded. Motion passed. Betsy moved to approve the April minutes. Seconded by Roy. Motion passed.	
PUBLIC COMMENT	None.		
GUEST SPEAKER Neil Harrington, Jamestown S'Klallam Tribe	Neil Harrington, JST Environmental Biologist Green Crab Update <u>European Green Crab – <i>Carcinus maenas</i></u> -Maximum 9 cm in size -Generalized omnivore, making them an effective invasive species -High tolerance for wide range of salinities and temperature -NOT always green, 5 teeth or spines along margin of shell -Aggressive -One of the world's top 100 invasive species <u>Possible impacts in the Salish Sea</u> -Eelgrass loss -Predation on clams and oysters -Saltmarsh erosion -Compete with native crab species <u>History of Invasion in North America</u> -Came to US east coast in 1800s (ballast water?) -San Francisco Bay 1989 (bait transfer?) -Planktonic larvae can live in the water column for up to 80 days -Found in coastal estuaries by 1998 (larval transport) -Found in Sooke Basin 2012, SE Alaska 2022 <u>EGC in WA State in 2022 – Overview</u> -Large populations in Lummi, Makah Bay, Willapa Bay, Grays Harbor		

	<p>-New sites – Discovery Bay, Seabeck -State of emergency declared mostly because of high number of EGC found in the Lummi Sea Pond</p> <p>WSG Crab Team, WDFW, Tribes, and local groups conduct trapping efforts all over Puget Sound/outer WA coast -To look for and control populations of EGC, baited traps are set overnight</p> <p>South Discovery Bay 2022 Total trap sets – 716 Total green crabs – 76 CPUE (catch per unit effort) of 10.6 crab/100 trap sets</p> <p>So far in 2023: 5 crabs in 33 sets or CPUE of 15/100 trap sets Local reproduction within the bay?</p> <p>South Sequim Bay 2021 Total trap sets – 758 Total green crabs – 16 CPUE of 2.1 crab/100 trap sets</p> <p>In 2022, 819 trap sets and just 2 green crabs caught Trapping efforts seem to effect population growth</p> <p><u>Future</u> -Targeted removal (shellfish growers, Tribes, local groups) -Molt search using My Coast App -Class 1 prohibited species in Washington – no recreational fishery, illegal to transport</p> <p><u>Questions</u> <i>Troy: Natural predators of green crabs?</i> <i>Neil: Bigger crabs – red rock and Dungeness, gulls, otters; when they're young just about anything will eat them.</i></p> <p><i>Solenne: Best guess as to why the population declined for several years in Dungeness NWR and then slightly increased?</i> <i>Neil: Trapping effort was intense, brought down the population, and then trapping effort declined.</i></p> <p><i>Monica: Other EGC detections in East Jefferson County?</i> <i>Neil: 2 found at Kala Point. Hand captures by DFW on the Navy Base in Kilsut Harbor. 1 caught in Scow Bay before bridge was opened between Marrowstone/Indian Island.</i></p> <p><i>Solenne: Can you extrapolate from the CPUE to population size?</i> <i>Neil: It's an observational measurement – just because we don't catch them, doesn't mean they're not there. People are working to get a handle on this but it's difficult to calculate.</i></p> <p><i>Brenda: How standardized is the trapping protocol?</i> <i>Neil: WSG Crab Team has 50 sites, bait and traps and protocol is very standardized. For eradication trapping, it's more about efficiency and not about collecting data for science.</i></p> <p><i>Nam: No realistic expectation of eradicating EGC in WA state, goal is to contain numbers in Puget Sound and prevent further spread to Central and South Puget Sound.</i></p> <p><i>Is the Dungeness light trap network looking for EGC larvae?</i> <i>Neil: EGC megalopae are very small. We are working on a dock; they are hard to identify and need to use a microscope.</i></p> <p><i>Nam: Bycatch in EGC traps?</i> <i>Neil: I kept bycatch records for 4 years, and then just started checking traps. Most common crab is hairy shore crab (sometimes 200-300), some sites get purple shore crab. Staghorn sculpin are the most common fish.</i></p>	<p>EGC Molt Search Training June 1st PTMSC 4-6pm June 11th River Center 2-4pm; More details at https://wsq.washington.edu/crabteam/moltsearch/</p>	
BoCC REPORT	<p>Commissioner Eisenhour – Update from BoCC -Heidi not here tonight but wanted to share the good news that contracts have been approved for Shoreline Master Program consulting</p>		
PORT OF PT UPDATE	<p>Carol Hasse – Port of PT</p> <ul style="list-style-type: none"> o Plans for seawall to protect Port Townsend o Concept phase – Larry Scott trail to ferry dock o Inspired by Mount Vernon's river walk o Phase 1: preparing requirements for qualifications to hire an engineer for initial scope (sea level protection for boat yard, and area where the Co-op is) 		

	<ul style="list-style-type: none"> o Engineer, public engagement, preliminary design and concept cost/benefit analysis o Will be done by end of 2023 o Application for BRIC grant (funding from FEMA); Will know by next summer 2024 o Phase 2: Full design would begin in fall 2024 o Phase 3: building of seawall in 2026 o Funding would pay for 92% of project; city would be responsible for maintenance o Three segments – first is LST to ferry <p><u>Discussion</u></p> <p><i>Gordon: If we launch a boat at the port on Saturday, is there a fee?</i></p> <p><i>Carol: Yes, there is a fee, also a washdown facility.</i></p> <p><i>Solenne: I want to make sure you check in with the state. Has the port run this idea through the port manager – would the seawalls be on state owned aquatic lands?</i></p> <p><i>Carol: That would be part of the engineer's job, to check on all permitting requirements.</i></p> <p><i>Nam: Seawalls won't be built on any tidelands, would have to be high tide line or higher. Surf smelt and sand lance spawning grounds are documented in upper intertidal.</i></p> <p><i>Neil: Soft armoring approaches might be a better bet.</i></p> <p><i>Carol: This port administration and commission is really concerned about making sure that we do the best thing, to see if we can create protection or if we must change the way we use our waterfront.</i></p>		
MEETING REPORTS AND ISSUE UPDATES	<p>NWSC Update (Jeff) –</p> <ul style="list-style-type: none"> o Discussion of how the Foundation can better support the MRCs o Some changing roles at the Foundation 		
ADMINISTRATIVE UPDATES	<p>In-person and hybrid meetings (Monica) –</p> <p>Continue with hybrid or switch to in-person?</p> <p><i>Sarah: I would like to go back to in-person meetings and change the meeting location to different parts of the county.</i></p> <p><i>Nam: I'm for in-person meetings, but I think there should still be an option to call in.</i></p> <p><i>Gordon: What does the port do for meetings now?</i></p> <p><i>Carol: We have hybrid meetings, and we use an OWL set up. Staff at the port are present except for the attorney (Bellingham), usually commissioners are present. Some public attend in person and a few are on the phone periodically. I like the ability to zoom, it's nice to not be driving around, and in the winter it's nice not to have to drive after dark.</i></p> <p><i>Betsy: Alternate months with sometimes all on Zoom, sometimes all in-person?</i></p> <p><i>Monica: I can set up the OWL but just know that we may be having the same issues with getting kicked off and logging back in.</i></p> <p><i>Solenne: Could you get a Wi-Fi booster for the room? There could be a simple solution to allow hybrid meetings to occur.</i></p> <p><i>Brenda: Appropriate to ask the county for help in this instance. If we go back to in person meetings, we need to find a larger space to meet in.</i></p> <p>Discussion was inconclusive.</p>		
CURRENT AND UPCOMING PROJECTS	<p>Derelict crab pot removal (Jeff) –</p> <p>We are going to do some scanning this month in Port Townsend Bay. Trying to coordinate with all the fisheries that are starting up.</p> <p>Forage fish sampling –</p> <p>Jeff – I did not sample last month.</p> <p>Sarah – I did sample last month in Dabob.</p>		

	<p>Derelict vessel removal (Sarah) –</p> <p>Agreement in place between DNR, Ecology, NW Straits. The vessel planned for removal is at Kala Point. Private property owner gave permission for state to come and get it.</p> <p>Solenne: On Monday, Gov Inslee signed bill for derelict aquatic structures removal (unused piers, pilings, decrepit marinas, etc.). Four structures are slated for removal.</p> <p>No Anchor Zones (Troy) –</p> <p>We will take out temporary buoys in front of Port Townsend and install permanent buoys on Saturday.</p> <p>May 11, 11am-1230pm – Salish Sea No-Anchor Zone meeting</p> <p>Olympia oyster restoration (Neil) –</p> <p>Gordon and I need to talk about getting shell spread. Shell spread on spit, lagoon, and powerlines need to be scheduled.</p> <p>Power lines survey June 5th, 9 am July 6th taking a walk out on Broad Spit for reconnaissance.</p> <p>Rain gardens (Bob) –</p> <p>May 17th proposed planting date for rain garden at Old Alcohol Plant, to capture runoff from neighborhood that is funneled towards waterfront. Meeting with excavator this week.</p> <p>City of PT wants to collaborate on another rain garden (we are looking for a good location).</p> <p>Kelp Monitoring (Solenne) –</p> <p>A safety meeting will be scheduled this month before surveys begin. May 20th potential date for meeting. Will send out a survey.</p> <p>Education and outreach (Brenda) –</p> <p>Subcommittee organized the first Digging for Dinner that we co-hosted with WDFW in 3 years. Held at Quilcene DFW tidelands. ~36 people attended.</p> <p>Nam will be teaching the Searching for Seaweed workshop on June 6th.</p> <p>Internships (Monica) –</p> <p>We have offered some positions and are actively interviewing candidates for the remaining internship positions.</p> <p>DEI (Nam) – One of the immediate goals is to include a position for a student in the MRC. Open discussion about how to include a student as a member of the MRC, youth representative with a one-year term to align with the school year.</p>	<p>Derelict vessel recycling event in Port Townsend on June 5th</p> <p>May 4, 7-8pm – MRC virtual talk on Olympia oyster restoration in Kilisut Harbor (link to registration)</p> <p>May 7, 11am-1pm – MRC talk and beach walk on Olympia oyster restoration in Kilisut Harbor (link to registration)</p> <p>June 6, 12-2pm – Searching for Seaweed @ Point Hudson</p>	
FUTURE AGENDA TOPICS	Request for future agenda topic: to look at changing bylaws to include a student position including high school/college ex officio member of MRC.		
PUBLIC COMMENT	None.		
MRC ROUNDTABLE/ ANNOUNCEMENTS	None.		
ADJOURNMENT	The meeting was adjourned at 8:09PM. Next meeting will be June 6 th .	Gordon moved to adjourn, seconded by Nam. Motion passed.	



Jefferson County
**Marine
Resources
Committee**

**Meeting Agenda
Tues, June 6, 2023
6:00-8:00PM
Hybrid Meeting**

Join in-person: Point Hudson Pavilion Building (355 Hudson St.) in Port Townsend

Join by computer/device: <https://us06web.zoom.us/j/82317298603>

Join by phone: +1 (253) 215-8782 US (Tacoma)

Meeting ID: 823 1729 8603

**Officers/Executive
Committee:**

Troy McKelvey, Chair
Gordon King, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fiskén, NWSC Alternate

MRC Members:

Solenne Walker, District 1
Janette Mestre, District 1
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Vacant, District 3
Sarah Fiskén, District 3
Joanie Hendricks, District 3 Alt
Betsy Carlson, Envir/Conserv
Bryan DeCaterina, Env/Cons Alt
Carol Hasse, 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

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 May 2023 Minutes
- 6:08** Public Comment
- 6:10** **Guest Speaker**
Ian Miller (WA Sea Grant) “December 27th in Puget Sound: A widespread and unprecedented extreme coastal water level event”
- 6:50** **BoCC Update**
- 6:55** **Recent Meeting Reports & Issue Updates**
NWSC May meeting update (Jeff)
Puget Sound Day on the Hill (Jeff)
Shine Tidelands cleanup (Roy)
- 7:05** **Administrative Updates**
Welcome interns
Summer social gathering
- 7:15** **Current and New Project Updates**
- ROV derelict crab pot removal (Jeff)
 - Forage fish – Adelma (Jeff), Dabob (Sarah)
 - Derelict vessel removal (Sarah)
 - Olympia oysters (Neil)
 - DEI (Nam)
 - Rain gardens (Bob/Janette)
 - Education & outreach (Brenda)
 - Crabber outreach (Roy)
 - Kelp (Solenne)
 - No-Anchor Zones (Troy)
- 7:47** Public Comment
- 7:50** Call for Future Agenda Topics/Speakers
- 7:52** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

June 12 – MRC staff retreat

June 20, 9-10am – Executive Committee meeting

June 23, 10am-12pm – NW Straits Commission meeting ([In-person](#))

July – No MRC meeting

July 6 – Olympia oyster reconnaissance at Broad Spit

August 1, 6-8pm – MRC monthly [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
Hybrid Meeting
June 6, 2023 Meeting Minutes

Present:

Troy McKelvey, Chair
 Gordon King, Vice Chair
 Brenda Johnson, District 2
 Sarah Fisken, District 3, NWSC Alt.
 Heidi Eisenhour, *ex officio*, BoCC District 2
 Roy Clark, Recreation Alt
 Frank Handler, District 2 Alt
 Betsy Carlson, Envir/Conserv
 Carol Hasse, Port of Port Townsend
 Jeff Taylor, District 2, NWSC Rep.
 Brent Vadopalas, Marine Sci Alt
 Neil Harrington, Tribal
 Solenne Walker, District 1
 Joanie Hendricks, District 3 Alt
 Nam Siu, Marine Science

Absent:

Judy Surber, City of Port Townsend
 Janette Mestre, District 1
 Bryan DeCaterina, Env/Conserv Alt.

Guests: Ally Galiotto, Isabelle Jones, Amelia Kalagher, Ian Miller, Jon Waggoner, Dave Wilkinson, Barney Burke, Dave Tolmie, Norm Fraker

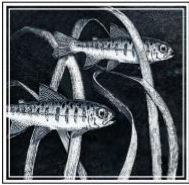
Staff: Monica Montgomery, MRC Coordinator
 Bob Simmons, WSU Extension

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Troy called the meeting to order at 6:00 PM. Troy welcomed guests and MRC members.	A quorum was present.	All members – please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA	Troy asked for approval/amendments to the agenda. Motion to approve the agenda by Betsy, which was seconded by Solenne. Agenda was approved.	Betsy moved to approve the agenda. Solenne seconded. Motion passed.	
APPROVAL OF MINUTES	Troy asked for approval/amendments to the May 2023 Minutes. Gordon moved to approve the minutes, which was seconded by Neil. Minutes passed.	Gordon moved to approve the May minutes. Seconded by Neil. Motion passed.	
PUBLIC COMMENT	None.		
GUEST SPEAKER Ian Miller, WA Sea Grant	Ian Miller, WA Sea Grant , Coastal Hazard Specialist Presentation: "December 27th in Puget Sound: A widespread and unprecedented extreme coastal water level event" - Fueled by sea level rise (SLR) observed in Puget Sound to date - King tide events are usually localized, this event was widespread - 5 of 7 tide gauges in Puget Sound set record highs (PT tide gauge record was exceeded by ~6 inches) - What makes a high-water event in coastal Washington? <ul style="list-style-type: none"> • Predicted tides were higher than MHHW • Minor flood threshold established by National Weather Service • Other two factors: "waves" and "storm surge", both can add to predicted water level and generate flooding - Storm surge = water level that is different than predicted, inverse barometer effect (low atmospheric pressure – water rebounds, water level is higher) - Wind set up – wind blowing over water can pile water up along the shoreline - Dec 27 th was a storm surge event that coincided with a high tide - ~960 mb low pressure on 27 th - Alignment in time between high tide, peak of low pressure and peak of non-tidal residual (storm surge) Did SLR play a role in this high-water event? - Conclusion: yes	Ian Miller blog – The Coast Nerd Gazette: http://coastnerd.blogspot.com/	

	<ul style="list-style-type: none"> - Observed monthly water level record in Seattle shows ~7 inches higher than 100 years ago - Observed trend in the lowest tide level (low tide is also rising) - Return frequency curve created from highest high tide data for each year, meters above MHHW - Return period in years, logarithmic scale - Return frequency curve indicates that based on historical patterns December 27th was pretty rare – could expect above once every 110 years, or 0.9% annual chance - Created another return frequency curve, removing SLR effect - Extrapolate the trajectory of the curve = return frequency of 850 years or a 0.11% annual chance - December 27th was made ~8 times more likely by SLR <p>In our area, only a few inches of SLR doubles the chances of exceeding an extreme threshold</p> <ul style="list-style-type: none"> - SLR in Puget Sound expected to continue, extreme events expected to occur more frequently 		
BoCC REPORT	<p>Commissioner Eisenhour – Update from BoCC Pleasant Harbor MPR in Brinnon</p> <ul style="list-style-type: none"> - Came to a staffing agreement with developer, work with DCD, environmental review that needs to happen - Contact Heidi with questions <p>Shoreline Master Plan update</p> <ul style="list-style-type: none"> - Burke consultants will do some work - Meeting planned tomorrow, and on June 29th for a subset of community members regarding community involvement in SMP update - Open to the public, hybrid meeting <p>Attended Seaweed workshop with Nam today</p>		
PORT OF PT UPDATE	<p>Carol Hasse – Port of PT</p> <p>No Port update this month.</p>		
MEETING REPORTS AND ISSUE UPDATES	<p>NWSC Update (Jeff) –</p> <p>PS Day on the Hill</p> <ul style="list-style-type: none"> - PSP made reauthorization of NWS one of top 3 priorities for day on the hill - Spoke with representatives and their staff, all very supportive - Maria Cantwell and Patty Murray are going to co-sponsor the reauthorization - Budget is going to be cut across the board <p>NWSC meeting – Canadian government authorized container ship expansion, 50% larger</p> <p>Shine Tidelands (Roy Clark) –</p> <ul style="list-style-type: none"> - Decades ago, predator netting was laid out on tide flats north of state park and due to erosion, a lot has come to the surface including lead line, etc. - Proposing to go and clean up the debris using a barge - Another effort to get cinder blocks off tide flats at Quilcene in collaboration with the Tribes 		
ADMINISTRATIVE UPDATES	<p>Intern Welcome</p> <p>Amelia Kalagher, MRC Program Assistant</p> <ul style="list-style-type: none"> - WWU student in Environmental Sci, extension program based out of Port Angeles - Intern at Coastal Watershed Institute <p>Isabelle Jones, Rain Garden Community Coordinator</p> <ul style="list-style-type: none"> - WWU Environmental Sci program based in Poulsbo - Excited to work in the field <p>Ally Galiotto, Crabber Outreach Coordinator</p> <ul style="list-style-type: none"> - Recent graduate from UW, Envr Studies and Marine Bio - PCRG assistant coordinator (part time) - Working to organize the crabber workshop, help DFW analyze data from quizzes and gear sweeps, may help Neil with EGC trapping <p>Summer social gathering in Dabob, at Sarah Fischen's - fill out doodle poll to choose a date!</p>	<p>Crabber outreach workshop registration, June 15th 6-8 pm https://www.eventbrite.com/e/crabbing-101-workshop-tickets-641584304927</p> <p>Doodle poll for summer social gathering in Dabob: https://doodle.com/meeting/participate/id/ej0X38Bb</p>	

<p>CURRENT AND UPCOMING PROJECTS</p>	<p>Derelict crab pot removal (Jeff) – - The team is going out tomorrow to begin removing pots - Side scan sonar was conducted last few weeks.</p> <ul style="list-style-type: none"> • 600-700 targets, working to classify them as pots, junk, boats, etc • ~6 boats found on the bottom that are not marked as hazards. • Scanned less than half of PT Bay, mill to ferry area <p>- Ben (contractor that conducted the side scan sonar) had a NOAA grant to clean up Sequim and Disco Bay; Hires divers to remove pots, but future is using ROVs</p> <p>Forage fish sampling – Jeff – I sampled on May 31st at Adelma Beach Sarah – I sampled last month in Dabob.</p> <p>Derelict vessel removal (Sarah) – - May 31st, sailboat on Kala Point was removed - June 5th, vessel recycling event in Port Townsend. Ocean rowing vessel removed by DNR (John Robert Hansen).</p> <ul style="list-style-type: none"> • History: Boat was rowed across the Atlantic, set a record. Supported by Starcraft Navigation School in Ballard. Boat rowed back across the ocean, collected scientific data the whole way. Boat capsized, crew rescued, boat retrieved and put in the Sea Port Museum in Tacoma. Museum decided not to maintain anymore. Hauled beer to the R2AK Ruckus and was then demolished/recycled in Port Townsend. <p>- Solenne: DNR tagged Cardeis for derelict vessel removal</p> <p>No-anchor zones (Troy) – - Last month, PT buoys were put out. Everything looks good. Weekly updates on boater compliance in pictures from Frank. - Subcommittee meeting about last two buoys at Mystery Bay</p> <p>Olympia oyster restoration (Neil) – - Survey was conducted yesterday at Disco Bay under powerlines (North area and concentration that has drifted south into the new parcel estimated to be ~150,000 oysters) - Plan to get Hood Canal Oyster Co in Seabeck under contract to bring 1,200 bags of shell up to tidelands in Disco Bay using a barge</p> <ul style="list-style-type: none"> • Several volunteer events in July and August to empty those bags of shell on tidelands (~40 yards of shell) • Permitted for 100 yards over the next 5 years <p>Rain gardens - Bob: Bioswale installed behind Old Alcohol Plant - Isabelle: Work party at Franklin & Adams rain garden completed. Next will focus on mulching and revitalizing other rain gardens. Went with Janette to assess rain garden maintenance needs, including replacement signs</p> <p>Kelp monitoring (Solenne) – - First survey will take place in June. Solenne will send out a doodle poll to decide between the 17th or 18th</p> <ul style="list-style-type: none"> • To volunteer, submit liability forms and watch safety videos • This year, we will be contacting boaters to conduct linear extent surveys of the kelp beds, covering a larger area. Two potential boaters so far. <p>Education and outreach (Brenda) – - Half a dozen members represented the MRC at Fjordfest (used to be ShrimpFest) over Memorial Day weekend; Talked to about 240 people mostly from Puget Sound area about shellfish gathering and crabber outreach - PTMSC collaboration on speaker series – will be inviting Jan Newton to give a talk on ocean acidification - Searching for Seaweed workshop took place today</p> <p>Crabber Outreach (Roy) – - Crabber workshop on June 15th - Free, open to the public, in the WSU extension classroom</p> <ul style="list-style-type: none"> • 15 people signed up so far • DFW and JST staff will speak about co-management, regulations, Roy will present proper crabbing techniques <p>DEI (Nam) – - Subcommittee met last week, continued discussion of adding a youth representative to the MRC (a high school student or early college/young adult)</p> <ul style="list-style-type: none"> • Can be accomplished with a vote among the committee and approval of county commissioners 		
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	<ul style="list-style-type: none"> • Will prepare draft language for an amendment to business rules • Hope to have available before August meeting and have the committee vote • Also discussions of including tribal/indigenous representation on MRC • Will be getting in touch with a DEI consultant to meet with subcommittee to discuss services and ability to meet DEI goals 		
FUTURE AGENDA TOPICS	<p>Betsy: PTMSC just held the first molt search training for EGC molt. App based survey that citizen scientists can do. Next workshop is Sunday 2-4 pm at Dungeness River Center.</p> <p>South jetty replacement – PTMSC will be moving critters. Volunteer divers are needed to move critters from south jetty to the new reef. Contact Betsy to get involved.</p>		
PUBLIC COMMENT	None		
MRC ROUNDTABLE/ ANNOUNCEMENTS	None		
ADJOURNMENT	The meeting was adjourned at 8:00PM. Next meeting will be August 1 st .	Gordon moved to adjourn, seconded by Sarah. Motion passed.	



**Jefferson County
Marine
Resources
Committee**

**Tues, August 1, 2023
6:00-8:00PM
Hybrid Meeting**

Join in-person: WSU Classroom (97 Oak Bay Rd) in Port Hadlock
Join by computer/device: <https://us06web.zoom.us/j/82317298603>
Join by phone: +1 (253) 215-8782 US (Tacoma)
Meeting ID: 823 1729 8603

**Officers/Executive
Committee:**

Troy McKelvey, Chair
 Gordon King, Vice Chair
 Jeff Taylor, NWSC Rep
 Sarah Fisken, NWSC Alt

MRC Members:

Solenne Walker, District 1
 Janette Mestre, District 1
 Brenda Johnson, District 2
 Jeff Taylor, District 2
 Frank Handler, District 2 Alt
Vacant, District 3
 Sarah Fisken, District 3
 Joanie Hendricks, District 3 Alt
 Betsy Carlson, Envir/Conserv
 Bryan DeCaterina, Env/Cons Alt
 Carol Hasse, Port of PT
 Gordon King, Commercial
 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

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

MEETING AGENDA

- 6:00** Call to Order
- 6:05** Amendments to/Approval of Agenda
 Amendments to/Approval of June 2023 Minutes
- 6:08** Public Comment
- 6:10** **Guest Speakers**
 Isabelle Jones – Rain Garden Community Engagement (7 min)
 Ally Galiotto – Crabber Outreach (7 min)
 Sea Dragons – PT Bay ROV Crab Pot Removals (16 min)
- 6:50** **BoCC Update**
- 6:55** **Recent Meeting Reports & Issue Updates**
 NWSC June Meeting Update (Jeff)
 Shoreline Master Program Update (Gordon)
 Port of Port Townsend Sea Wall (Sarah/Jeff)
- 7:15** **Administrative Updates**
 MRC Member Recruitment Subcommittee (Monica)
 NWSI Conference Submissions (Monica)
- 7:25** **Current and New Project Updates**
 - Forage Fish – Adelma (Jeff), Dabob (Sarah)
 - Derelict Vessel Removal (Sarah)
 - Olympia Oysters (Neil/Gordon)
 - Kelp (Solenne)
 - No-Anchor Zones (Troy)
 - Education & Outreach (Brenda/Joanie)
 - DEI (Nam)
- 7:47** Public Comment
- 7:50** Call for Future Agenda Topics/Speakers
- 7:52** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

July 31, 8am-12pm – Olympia oyster shell spread workday ([Sign-up here](#))
August 1, 8am-12pm – Olympia oyster shell spread workday ([Sign-up here](#))
August 1, 10am-12pm – Rain garden work party at NW Maritime Center ([Sign-up here](#))
August 12 or 13, 8-11am – Kelp survey at North Beach
August 21, 8-9am – MRC Executive Committee meeting
August 25, 10am-12pm – NW Straits Commission meeting ([Zoom details here](#))
September 5, 6-8pm – MRC monthly 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
Hybrid Meeting
August 1, 2023 Meeting Minutes**

Present:

Troy McKelvey, Chair
Gordon King, Vice Chair
Brenda Johnson, District 2
Brent Vadopalas, Marine Sci Alt
Heidi Eisenhour, *ex officio*, BoCC District 2
Roy Clark, Recreation Alt
Frank Handler, District 2 Alt
Betsy Carlson, Envir/Conserv
Jeff Taylor, District 2, NWSC Rep
Neil Harrington, Tribal
Solenne Walker, District 1
Joanie Hendricks, District 3 Alt
Nam Siu, Marine Science
Janette Mestre, District 1

Absent:

Judy Surber, City of Port Townsend
Bryan DeCaterina, Env/Conserv Alt
Carol Hasse, Port of Port Townsend
Sarah Fiskens, District 3, NWSC Alt

Guests: Amit Sharma, Tonia, Burkett, Jon Waggoner, Ella Ashford, Isabelle Jones, Ally Galiotto, Logan Flanagan, Oscar Hoekman, Gabriella Ashford, Reed

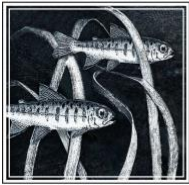
Staff: Monica Montgomery, MRC Coordinator
Bob Simmons, WSU Extension

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Troy called the meeting to order at 6:00 PM. Troy welcomed guests and MRC members.	A quorum was present.	All members – please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA	Troy asked for approval/amendments to the agenda. Motion to approve the agenda by Nam, which was seconded by Neil. Agenda was approved.	Nam moved to approve the agenda. Neil seconded. Motion passed.	
APPROVAL OF MINUTES	Troy asked for approval/amendments to the May 2023 Minutes. Brent moved to approve the minutes, which was seconded by Gordon. Minutes passed.	Brent moved to approve the June minutes. Seconded by Gordon. Motion passed.	
PUBLIC COMMENT	None.		
GUEST SPEAKERS Isabelle Jones – Rain Garden Community Engagement Ally Galiotto – Crabber Outreach Sea Dragons – PT Bay ROV Crab Pot Removals	<p>Rain Garden Community Engagement Isabelle, MRC Rain Garden Community Coordinator intern</p> <p>Tasked to: research and compile resources about rain gardens, assess needs, create promotional materials, develop educational materials, organize and host rain garden workdays</p> <p>Accomplishments -Completed 6 work parties this summer -Created a Google Form survey to receive community interest in volunteering on rain gardens -Submitted a rain garden ad to encourage community volunteers to “adopt” a rain garden in The Leader and Peninsula Daily News -Created an ArcGIS StoryMap with locations of rain gardens, information and photos -Had a great experience as an MRC intern</p> <p>Crabber Outreach Ally – MRC Crabber Outreach Coordinator intern</p> <p>Tasked to: organize a free recreational crabbing workshop, distribute flyers and educational packets, conduct dock outreach</p> <p>Crabber Workshop -Held on June 15th, 4 speakers and 30 attendees -Every experience level represented at the workshop, most were intermediate-level crabbers -Most participants rated the information as very useful or useful</p>	See MRC rain garden StoryMap here: https://arcg.is/1auPbb	

	<p>-Results indicated that information on WA state regs and legal requirements was the most helpful</p> <p>Dock outreach during rec fishery opener in July at Boat Haven</p> <ul style="list-style-type: none"> -Distributed crab gauges and packets, engaged over 50 crabbers -Observed WDFW creel efforts -Distributed 178 crabber packets in total <p>Key takeaways</p> <ul style="list-style-type: none"> -Challenges to workshop planning & need for collaborative effort -Strong need for crabber education and outreach -Social significance of recreational crabbing <p>Sea Dragons – PT Bay ROV Crab Pot Removals Logan Flanagan and Oscar Hoekman</p> <ul style="list-style-type: none"> -Sea Dragons started in 2017 as a high school robotics team -Driving passion led the group to work with the MRC to develop new methods for recovering derelict crab pots using a remotely operated vehicle -In 2023, worked in Port Townsend Bay, recovering 17 crab pots in June and July over 10 days of operation -40 dives completed, 22 crab pots located -Worked with Coastal Sensing and Survey to get a sonar map of the bay, identified 600 points of interest in the survey -Analyzed side scan sonar data to determine what points are most likely crab pots -Updated the project StoryMap <p>Next steps – upgrade equipment and prepare for next year</p>		
BoCC REPORT	<p>Commissioner Eisenhour – Update from BoCC</p> <p>Derelict vessel removal – boat sank in Mats Mats Bay</p> <ul style="list-style-type: none"> -Ecology & Coast Guard responded and were able to get most of the fuel out but there was a large sheen on the water that day -Hoping there will be funding through the NWSI to remove the boat <p>Shoreline Master Program update – continues to be delayed</p> <ul style="list-style-type: none"> -There will be a work session tomorrow evening -Whole process will likely be extended -Comments from MRC are requested by County Commissioners -Review comments about changes made by consultants -Hearing scheduled for Sept or Oct 		
PORT OF PT UPDATE	No Port update.		
MEETING REPORTS AND ISSUE UPDATES	<p>NWSC Update (Jeff)</p> <ul style="list-style-type: none"> -NW Straits Foundation is looking to fill a board member seat and is particularly interested in recruiting from Jefferson County <p>Port of Port Townsend Sea Wall (Jeff)</p> <ul style="list-style-type: none"> -Sea level rise has prompted discussions of a sea wall in PT -Port of PT is putting out bids to engineering firms to put together proposals for a sea wall (from west end of breakwater over to ferry dock, from “bluff to bluff”) -Port is asking engineering firms for solution on what to do -There will be outreach meetings <p>Shoreline Master Program Update (Gordon)</p> <ul style="list-style-type: none"> -Determined a subcommittee would be needed to review the draft SMP and provide recommendations to be shared with the MRC for approval before submitting to the BoCC -If public hearing is in September, only have 4 to 6 weeks to develop recommendations -Nam made a motion to create a subcommittee to review the SMP; Neil seconded -Members to be part of the subcommittee include Gordon as lead, Neil, Nam, Brent, Troy and Janette 		Nam made a motion to create a subcommittee of the MRC to review the County SMP update. Neil seconded.
ADMINISTRATIVE UPDATES	<p>MRC Member Recruitment Subcommittee (Monica)</p> <ul style="list-style-type: none"> -Will be advertising the following MRC positions: District 1 Rep and Alt, District 3 Rep and Alt and Marine Science Rep and Alt -Will need to form a temporary subcommittee to review applications and interview applicants -Nam moved to create a subcommittee; Gordon seconded 	See MRC vacancy announcement and application form on the MRC homepage: jeffersonmrc.org	Nam made a motion to create a

	<ul style="list-style-type: none"> -Determined members that are renewing their positions can join the subcommittee but should just not review the position they are applying for -Members to be part of the MRC recruitment subcommittee include: Heidi, Nam, Jeff, Joan, and Gordon <p>NWSI Conference Submissions (Monica)</p> <ul style="list-style-type: none"> -November 3 and 4 at the Northwest Maritime Center -Discussed presentations and MRC projects to highlight 	subcommittee to review applications for open MRC positions. Gordon seconded.	
CURRENT AND UPCOMING PROJECTS	<p>Forage Fish – Adelma (Jeff), Dabob (Monica)</p> <p>Dabob Bay was surveyed last week. There was no Adelma survey.</p> <p>Derelict Vessel Removal (Monica)</p> <ul style="list-style-type: none"> -Altogether, the NWSI project has removed 9 vessels across the region and have 2 more removals planned for August -Partnering with Makah Tribe to host turn-in event in spring 2024 -Remaining funds expire December of this year -Plan to have a subcommittee meeting soon to discuss sunken vessel in Mats Mats and any additional derelict vessels to add to the NWSI list for removal consideration <p>Olympia Oysters (Neil/Gordon)</p> <ul style="list-style-type: none"> -On July 6 we had ~40 cubic yards of clean oyster shell loaded to a barge in Seabeck, from Hood Canal Oyster Co. -Gordon, Neil, and Taylor Shellfish crew delivered bags of shell to Discovery Bay -On July 17, Neil, Gordon, Monica and Amelia emptied and distributed shell from nearly half of the bags -On July 31, Neil, Gordon, Monica and five community volunteers finished spreading the shell <p>Kelp (Solenne)</p> <ul style="list-style-type: none"> -July 15 was the first survey conducted due to unfavorable conditions on the scheduled survey date in June -Kelp bed seems to be healthy, but not as dense as in previous years -Drone survey was conducted while paddling for data comparison -Conducted the first linear extent survey covering the north portion of East Jefferson County (i.e., Beckett Point to Pt Wilson, around Marrowstone Island, through the Port Townsend Ship Channel) -Saturday Aug 12 or Sunday Aug 13 are potential dates for next kelp survey <p>No-Anchor Zones (Troy)</p> <ul style="list-style-type: none"> -No updates <p>Education & Outreach (Brenda/Joan)</p> <ul style="list-style-type: none"> -Brenda is turning Education and Outreach project lead position over to Joan -MRC is signed up to table at the Wooden Boat Festival -Plan to have a subcommittee meeting soon to <p>DEI (Nam)</p> <ul style="list-style-type: none"> -At the subcommittee meeting in July we invited a DEI consultant to talk to us about their work -Next meeting in September, there will be a vote on proposed changes to the MRC bylaws regarding adding a Youth Representative position on the MRC -Goal: find ways to increase accessibility and inclusivity 		
FUTURE AGENDA TOPICS	None.		
PUBLIC COMMENT	Gabi- Derek Kilmer is working on a program to create jobs, a multi-step process with a short grant timeline. MRC may want to consider applying. Jobs related to marine resources seem to be underrepresented.		
MRC ROUNDTABLE/ ANNOUNCEMENTS	<p>Bob</p> <ul style="list-style-type: none"> -I will be having a meeting with the City of Port Townsend about a rain garden installation at 22nd St and Kuhn St in Port Townsend. <p>Brenda</p> <ul style="list-style-type: none"> -Bird flu at Rat Island – in the last two weeks, WDFW collected carcasses to remove infected birds from the area. Several hundred Caspian Terns have died. <p>Betsy</p> <ul style="list-style-type: none"> -Pile of dead sunflower stars found dumped on the beach in Sequim. Don't know the source. Listed as an endangered 		

	species. Important to get this information out. May consider including education in future crabber outreach. -South jetty critter removal last week by volunteer scuba divers.		
ADJOURNMENT	The meeting was adjourned at 8:15PM. Next meeting will be September 5.	Neil moved to adjourn, seconded by Gordon. Motion passed.	



Join in-person: Point Hudson Pavilion Building (355 Hudson St.) in Port Townsend

Join by computer/device: <https://us06web.zoom.us/j/82317298603>

Join by phone: +1 (253) 215-8782 US (Tacoma)

Meeting ID: 823 1729 8603

MEETING AGENDA

**Officers/Executive
Committee:**

Troy McKelvey, Chair
Gordon King, Vice Chair
Jeff Taylor, NWSC Rep
Sarah Fisken, NWSC Alt

MRC Members:

Vacant, District 1
Janette Mestre, District 1
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Vacant, District 3
Sarah Fisken, District 3
Joanie Hendricks, District 3 Alt
Betsy Carlson, Envir/Conserv
Bryan DeCaterina, Env/Cons Alt
Carol Hasse, Port of PT
Gordon King, Commercial
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

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

- 6:00** Call to Order
- 6:05** Amendments to/Approval of Agenda
Amendments to/Approval of August 2023 Minutes
- 6:08** Public Comment
- 6:10** **Guest Speakers**
Dave Nakagawara and Matt Klontz – Port of Port Townsend Sea Level Rise Mitigation Project
- 6:40** **BoCC Update**
- 6:45** **Recent Meeting Reports & Issue Updates**
NWSC August Meeting Update (Jeff-5 min)
Shoreline Master Program Periodic Review Update (Gordon-5 min)
- 6:55** **Administrative Updates**
MRC Member Recruitment Update (Monica-3 min)
Upcoming Executive Committee Vote (Monica-2 min)
Potential Decision: Adding an MRC Youth Representative Role (Nam-15 min)
- 7:15** **Current and New Project Updates**
- Forage Fish – Adelma (Jeff), Dabob & Fort Townsend (Sarah)
 - Derelict Vessel Removal (Sarah)
 - Shoreline Landowner Outreach (Sarah)
 - Rain Gardens (Janette/Bob)
 - Education & Outreach (Joanie)
 - No-Anchor Zones (Troy)
 - Kelp (Monica)
- 7:47** Public Comment
- 7:50** Call for Future Agenda Topics/Speakers
- 7:52** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

September 8, 9 & 10 – MRC tabling Wooden Boat Festival in Port Townsend

September 14 – Salish Sea No-Anchor Zones workgroup meeting

September 19, 8-9am – MRC executive committee meeting

September 21, 10am-1230pm or 230-5pm – Rain garden installation in Port Townsend

[\(Register here\)](#)

September 22, 10am-2pm – Strait ERN LIO quarterly meeting ([More information](#))

September 29, 10am-12pm – NW Straits Commission meeting ([More information](#))

October 3, 6-8pm – MRC monthly meeting

November 3 & 4 – NW Straits Initiative Conference at NW Maritime Center

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

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

Jefferson County Marine Resources Committee
Hybrid Meeting
September 5, 2023 Meeting Minutes

Present:

Betsy Carlson, Envir/Conserv
 Brenda Johnson, District 2
 Brent Vadopalas, Marine Sci Alt
 Frank Handler, District 2 Alt
 Gordon King, Vice Chair
 Heidi Eisenhour, *ex officio*, BoCC
 Janette Mestre, District 1
 Jeff Taylor, District 2, NWSC Rep
 Joanie Hendricks, District 3 Alt
 Judy Surber, City of Port Townsend
 Nam Siu, Marine Science
 Neil Harrington, Tribal
 Sarah Fiskens, District 3, NWSC Alt
 Troy McKelvey, Chair

Absent:

Roy Clark, Recreation Alt
 Bryan DeCaterina, Env/Conserv Alt.
 Carol Hasse, Port of Port Townsend

Guests: Dave Nakagawara, Matt Klontz, Ian Miller, Jeff Whitty, Caitlyn Blair, Jon Waggoner, Dave Wilkinson, Brad Bebout, Lee Bebout, Chris Kelley, David Tolmie, Lucas Hart, Amit Sharma

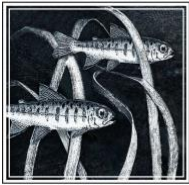
Staff: Monica Montgomery, MRC Coordinator
 Bob Simmons, WSU Extension
 Amelia Kalagher, MRC Program Assistant Intern

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Troy called the meeting to order at 6:02pm. Troy welcomed guests and MRC members.	A quorum was present.	All members – report your volunteer hours
AMENDMENTS TO/APPROVAL OF AGENDA	Troy asked for approval/amendments to the agenda. Motion to approve the agenda by Neil, which was seconded by Sarah. Agenda was approved.	Neil moved to approve the agenda. Sarah seconded. Motion passed.	
APPROVAL OF MINUTES	Troy asked for approval/amendments to the August 2023 minutes. Gordon moved to approve the minutes, which was seconded by Janette. Minutes were approved.	Gordon moved to approve the August minutes. Seconded by Janette. Motion passed.	
PUBLIC COMMENT	No public comment.		
GUEST SPEAKERS Dave Nakagawara and Matt Klontz, Port of Port Townsend	<p>Port of Port Townsend Sea Level Rise Mitigation Project Dave Nakagawara and Matt Klontz</p> <ul style="list-style-type: none"> • Title: City of Port Townsend / Port of Port Townsend Sea Level Rise Project • Project will span Larry Scott trailhead to Boat Haven - "Flats District," a low lying area • Recent coastal flooding events, e.g., on Dec 27, 2022, inspired the Port to take action • Goals: plan for sea level rise (SLR), strengthen commerce, enhance ecology as well as waterfront pedestrian connectivity, use \$50 mil BRIC grant • Building Resilient Infrastructure and Communities (BRIC) grant from FEMA focuses on resiliency and reducing risk • Fulfilling Shoreline Master Program's original vision of a pedestrian waterwalk • "Bluff to bluff solution" connects high points and will have several sections. KPFF Consulting Engineers, Inc. was selected because of their understanding that it isn't a one-size-fits-all solution. The needs are different along different areas of the shore due to varying elevations, levels of pedestrian use, commercial use, and ecological exposure. • Several areas already exposed to 2022 king tides, with Boat Haven having it the worst • Port of Port Townsend applies for BRIC funding in January, with results in June. Washington State Emergency Management Division is the applicant, with the City and Port of Port Townsend as the subapplicant 		

	<ul style="list-style-type: none"> • Ideal design is flexible for the future - could be adjusted to be higher/lower in 2075 and beyond to match actual SLR • KPFF has a subconsultant: Blue Coast Engineering, which has experience in standardizing sea level rise design • Factors to consider: astronomical tides (predicted MHHW and king tides), SLR years (2030, 2050, 2080, 2100), storm surge years, SLR probability, and wave conditions (wave runup), and the most conservative plans need to be balanced with costs. • Adaptive management component includes temporary structures put up by people in response to a forecast <p>Q&A:</p> <ul style="list-style-type: none"> • Cost/benefit analysis of prioritizing most populated areas like Boat Haven? <ul style="list-style-type: none"> - They are still working on it, still too early on to be sure of this analysis • Will it be possible to easily add on to? <ul style="list-style-type: none"> - Ideally yes, but that need has to be balanced with costs. • Will condo owners will be resistant to installation of a public walkway in front of their homes? <ul style="list-style-type: none"> - It's being enforced by the City. Trying to minimize blockage of views. • Why 16' MLLW is relevant on the map. <ul style="list-style-type: none"> - Chosen to represent height of existing breakwaters. • Is construction funded separately from design phase? <ul style="list-style-type: none"> - No, a separate application is not needed. - The city has applied for a competitive grant to make SMP updates and getting community input on the waterfront walkway. If they are successful with that grant, MRC input will be needed on hard armoring regulations. • Rough cost range? <ul style="list-style-type: none"> - Using previous projects like flood protection project in Mount Vernon and raw estimates, \$66 million is the preliminary estimate, but emphasized that this may change. • Question about this project representing a true seawall and protecting areas that are eventually going to be below sea level, and whether retreat from the waterline is being considered as a community alternative? <ul style="list-style-type: none"> - Port, as the property owner, is not seriously considering retreat. • How will the ecology be enhanced? <ul style="list-style-type: none"> - They're not sure yet, but it's a requirement of the BRIC grant so it'll have to be figured out. • Question about moving non-water-dependent businesses away from lowlands. <ul style="list-style-type: none"> - That's why the City is a partner, that is their jurisdiction. 		
BoCC REPORT	<p>BoCC Update (Heidi)</p> <ul style="list-style-type: none"> • Planning Commission public hearing on the proposed SMP update is planned to take place at 5:30pm on Wed Oct 4th at the Tri-Area Community Center in Chimacum, with a hybrid option. • Oct 4 is the comment deadline, but there will be more opportunities to comment directly to Commissioners later. • The County Department of Community Development page has this information as well. • Best for the MRC to get comments to the Planning Commission early, then review the version on the website for revisions prior to the Oct 4th meeting. <p>Finalizing the Strategic Plan for Jefferson County, objectives relevant to MRC include:</p> <ul style="list-style-type: none"> • Monitoring and sustaining aquaculture and the ecosystems that aquaculture is dependent upon • Sea level rise and shoreline infrastructure • Collaboration with WSU Extension <p>Derelict vessel work:</p> <ul style="list-style-type: none"> • Recent reports of two derelict vessels in Chimacum Creek and one in Mats Mats Bay • Monica received an email with concerns about at least three new vessels in Kilsit Harbor that were previously in Glen Cove 		
MEETING REPORTS AND ISSUE UPDATES	<p>NWSC Update (Jeff)</p> <p>The annual Northwest Straits Initiative (NWSI) meeting will be November 3 and 4 – MRC members should have received a registration link. NWSC will present a new annual award in honor of Senator Patty Murray, with the first recipient being</p>		

	<p>Patty Murray. NWSC staff are looking for speed date topics for “Speed Date with a Scientist” presentations at the monthly NWSC meetings – send ideas to Dana.</p> <p>Shoreline Master Program (SMP) Periodic Review Update (Gordon) The SMP subcommittee met and Gordon drafted a letter of recommendations to send to the BoCC. However, there are some disagreements. The subcommittee will meet again to continue the discussion and intend on sharing a drafted letter with the MRC ahead of the next monthly meeting. Heidi clarified at Nam’s request, the BoCC wants to hear from the MRC as an advisory group, both on substance as well as the SMP periodic review process.</p>		
ADMINISTRATIVE UPDATES	<p>MRC Member Recruitment Subcommittee (Monica) Three applications are in for the District 1 representative and alternate positions (all are also applying for the Marine Science representative/alternate positions). Need help to get the word out, especially to recruit for District 3 – there is only one application so far.</p> <p>Upcoming Executive Committee Vote (Monica) The MRC will be voting in December. Please consider if you are willing to step into the Chair and/or Vice Chair positions.</p> <p>Potential Decision: Adding an MRC Youth Representative Role (Nam) One of the reasons for adding a Local Youth Representative position (starting age of 15-21 years old) is in effort to better represent the broader community of East Jefferson County on the MRC. There was conversation about the term length for this role and concern about locking youth into a possibly unrealistic four-year commitment. The resulting decision was to allow this position to fill a term up to four years, to be determined at the start of their term. Nam moved to add the Local Youth Representative role on the MRC. There was a consensus among all voting members.</p>	<p>See MRC vacancy announcement and application form on the MRC homepage: jeffersonmrc.org</p> <p>Nam moved to add the youth role. Consensus.</p>	
CURRENT AND UPCOMING PROJECTS	<p>Forge Fish – Dabob & Fort Townsend (Sarah) Dabob wasn’t sampled this month. Will continue monitoring Fort Townsend and shorten the survey season to Oct-Dec. Janette will take on project lead for Fort Townsend.</p> <p>Derelict Vessel Removal (Sarah) No additional comments.</p> <p>Shoreline Landowner Outreach (Sarah) NWSF staff is planning a Jefferson County-focused workshop, tentatively set for Oct 21st and location TBD.</p> <p>Rain Gardens (Janette/Bob) One volunteer signed on to “adopt” the Garfield and Adams Street rain garden. The summer intern, Isabelle, created templates for recruiting additional rain garden stewards to adopt rain gardens. The MRC’s last rain garden installation will be at the Swan School on Sept 21st. Students will be helping with the installation and we are actively recruiting volunteers.</p> <p>Education & Outreach (Joanie) The subcommittee met on Aug 14th to discuss Wooden Boat Festival and decided to create a no-anchor zone themed cornhole game. Will launch a community engagement survey that was drafted by the MRC intern, Amelia.</p> <p>No-Anchor Zones (Troy) Working to schedule a buoy swap along Port Townsend before the winter season.</p> <p>Kelp (Monica) Solenne will not be renewing her term as the District 1 Representative and so will not be taking on project lead for kelp. Members to consider taking on a project lead role if we would like to continue monitoring at North Beach. Final kelp survey of the season was on August 12th. Solenne is processing data for the linear extent survey and helping to draft the annual kelp summary report.</p>		
FUTURE AGENDA TOPICS	<p>There was a request for the running list of potential future guest speakers. The list is accessible to MRC members in a shared folder. Monica will make sure it’s updated and share the link in the follow up email.</p>		

PUBLIC COMMENT	<p>Lucas – NWSC is hiring a DEI consultant to help address diversity, equity and inclusion across NWSI. It has taken several months because they are working on executing several smaller contracts through the Department of Ecology.</p> <p>Jefferson MRC DEI subcommittee would like to stay informed and partner, where possible, on these efforts.</p>		
MRC ROUNDTABLE/ ANNOUNCEMENTS	<p>Betsy – Upcoming PTMSC lecture on sea star wasting. H5N1 avian influenza on Rat Island has hit harbor seals, annual number of strandings has doubled.</p> <p>Monica – NWSC submitted a proposal to the UW Evans School of Public Policy & Governance to work with graduate students in conducting a formal county needs assessment regarding marine issues and conservation. This effort would require some MRC member interest and time to identify interviewees, develop interview questions, and to interview folks within the county. Heidi and Nam expressed possible interest in contributing to this effort.</p> <p>Also with the Evans School, a couple of professors/researchers have reached out about sharing a survey with MRC members regarding how scientific information is accessed and used in collaborative partnerships in Puget Sound. All members present expressed willingness to share their email contacts to receive the survey.</p> <p>Newsletter from North Pacific Coast MRC is available as hard copies.</p> <p>The MRC will need a new notetaker for MRC monthly meetings. Please reach out to your networks to see who holds a business license and may be interested.</p> <p>Brenda – Bigg’s orcas at Rat Island this morning.</p> <p>Amit – Introduced self as the new WSU Jefferson County Extension Director. He has an extensive background in nonprofit work and shared his philosophy of focusing early education on joy, play and learning.</p> <p>Neil – Hōkūle’a canoe from Hawai’i is currently at the Maritime Center if anyone wants to pay a visit before it takes off in the morning. Saw Fish and Wildlife unloading recovered derelict crab pots today.</p> <p>Nam – Shared a reminder that MRC members are all private citizens representing their appointed interests, regardless of what professional affiliations they may have outside of the MRC.</p>		<p>All – Check with networks to identify a new MRC minutes notetaker. They will likely need a business license.</p>
ADJOURNMENT	<p>The meeting was adjourned at 8:04pm. The next meeting will be October 3.</p>	<p>Gordon moved to adjourn, seconded by Nam. Motion passed.</p>	



Join in-person: Point Hudson Pavilion Building (355 Hudson St.) in Port Townsend

Join by computer/device: <https://us06web.zoom.us/j/82317298603>

Join by phone: +1 (253) 215-8782 US (Tacoma)

Meeting ID: 823 1729 8603

MEETING AGENDA

Officers/Executive Committee:

Troy McKelvey, Chair
Gordon King, Vice Chair
Jeff Taylor, NWSC Rep
Sarah Fiskén, NWSC Alt

MRC Members:

Vacant, District 1
Janette Mestre, District 1
Vacant, District 1 Alt
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Vacant, District 3
Sarah Fiskén, District 3
Joanie Hendricks, District 3 Alt
Betsy Carlson, Envir/Conserv
Bryan DeCaterina, Env/Cons Alt
Carol Hasse, Port of PT
Gordon King, Commercial
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

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

- 6:00** Call to Order & Introductions
Introduce Storm Surge Monitoring Program Coordinator Intern,
Nathaniel Ashford
- 6:05** Amendments to/Approval of Agenda
Amendments to/Approval of September 2023 Minutes
- 6:08** Public Comment
- 6:10** **Guest Speakers**
Q&A with Pam Petranek and Chuck Fauls – Candidates for District
1 Port of Port Townsend Commissioner
- 6:40** **BoCC Update**
- 6:45** **Port of Port Townsend Update**
- 6:50** **Recent Meeting Reports & Issue Updates**
NWSC September Meeting Update (Jeff-10 min)
Strait ERN Quarterly Meeting Update (Monica-5 min)
Shoreline Master Program Update (Gordon-20 min)
- 7:25** **Administrative Updates**
MRC Member Recruitment Update (Monica-3 min)
Upcoming Executive Committee Vote (Monica-2 min)
- 7:30** **Current and New Project Updates**
- Forage Fish – Fort Townsend (Monica), Dabob (Sarah)
 - Derelict Vessel Removal (Sarah)
 - Shoreline Landowner Outreach (Sarah)
 - Rain Gardens (Bob)
 - Education & Outreach (Joanie)
 - No-Anchor Zones (Troy)
 - Storm Surge Monitoring (Jeff)
- 7:47** Public Comment
- 7:50** Call for Future Agenda Topics/Speakers
- 7:52** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

October 4, 530pm – Planning Commission meeting: SMP Public Hearing ([More information](#))

October 7 – Port Townsend Mini Maker Fair

October 21, 9am-1pm – Jefferson County Shore Friendly workshop ([Register here](#))

October 24, 9-10am – MRC Executive Committee meeting

November 3 & 4 – NW Straits Initiative Conference

November 7, 6-8pm – MRC monthly 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
Hybrid Meeting
October 3, 2023 Meeting Minutes**

Present:

Troy McKelvey, Chair
 Gordon King, Vice Chair
 Brenda Johnson, District 2
 Sarah Fiskken, District 3, NWSC Alt.
 Heidi Eisenhour, *ex officio*, BoCC District 2
 Roy Clark, Recreation Alt
 Frank Handler, District 2 Alt
 Jeff Taylor, District 2, NWSC Rep.
 Neil Harrington, Tribal
 Joanie Hendricks, District 3 Alt
 Brent Vadopalas, Marine Sci Alt
 Bryan DeCaterina, Env/Conserv Alt.
 Carol Hasse, Port of Port Townsend

Absent:

Judy Surber, City of Port Townsend
 Nam Siu, Marine Science
 Janette Mestre, District 1
 Betsy Carlson, Envir/Conserv

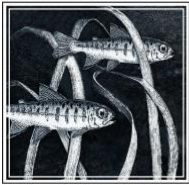
Guests: Nathaniel Ashford (storm surge intern),
 Leah Robison NWSC, Pam Petranek, Chuck Fauls

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

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Troy called the meeting to order at 6:00 PM. Troy welcomed guests and MRC members.	A quorum was present.	All members – please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA	Troy asked for approval/amendments to the agenda. Motion to approve the agenda by Sarah, which was seconded by Neil. Agenda was approved.	Sarah moved to approve the agenda. Neil seconded. Motion passed.	
APPROVAL OF MINUTES	Troy asked for approval/amendments to the September 2023 Minutes. Gordon moved to approve the minutes, which was seconded by Sarah. Minutes passed.	Gordon moved to approve the September minutes. Seconded by Sarah. Motion passed.	
PUBLIC COMMENT	None.		
GUEST SPEAKERS Q&A with Pam Petranek and Chuck Fauls – Candidates for District 1 Port of Port Townsend Commissioner	<p>Candidates for Port Commissioner for District 1 Port of Port Townsend</p> <p>Chuck Fauls -Experience working in many capacities for the Port -Would like to shape future of the Port, envision the next hundred years -Boat yard permits need to be recertified; bar for recertification is raised every year • Financially impactful – need to be better about generating revenues to cover costs</p> <p>Pam Petranek -During the last four years she has served on the Port there have been major improvements in its functioning -Developed an EIS for the Port for marine trades association, which brought in funding for operations and education</p> <p>Environmentally minded actions: -Stormwater upgrade in the yard in 2024 -Jetty rebuild project, rock “reef” creation to relocate critters living on the jetty -Removing creosote piers -Sea level rise projects</p> <p>Discussion <i>Neil: Are we on the right track with the seawall project?</i> <i>Chuck: We do need some kind of protection, until human behavior changes. The reality is sea walls are expensive. We don't have an idea of cost because we have no idea of how high or how long it has to be yet. At some point, the word retreat is going to serve us.</i></p>		

	<p><i>Pam: Our Port has hired a team of professionals to look at this. Part of the reason we're looking at it, in addition to sea level rise, is that we have long envisioned a water walk around Port Townsend waterfront to connect people to the water. As things change, we will figure things out, we are a maritime community of builders and boats.</i></p> <p><i>Jeff: Are you looking at alternatives to a wall?</i></p> <p><i>Pam: I don't know if they are looking at alternatives yet. But this certainly should be brought to this group regularly.</i></p>		
BoCC REPORT	<p>Commissioner Eisenhour – Update from BoCC</p> <ul style="list-style-type: none"> -Spent most of the day interviewing MRC candidates <ul style="list-style-type: none"> • Lots of great candidates, a lot of interest -SMP update <ul style="list-style-type: none"> • Public hearing tomorrow night, October 4th at 5:30 pm at Tri Area Community Center • Encourage all to attend -Strait ERN LIO September quarterly meeting <ul style="list-style-type: none"> • Roundtable – good opportunity for MRC members to get exposed to different issues and stakeholders across the region • On Oct 9th, the Elwha Tribe will be conducting their first test fishery in the Elwha River 	Shoreline Master Plan Update Public hearing October 4 th , 5:30 pm Tri Area Community Center	
PORT OF PT UPDATE	<p>Port of PT Commissioner, Carol Hasse</p> <ul style="list-style-type: none"> -Current focus is on the budget <ul style="list-style-type: none"> • Capital improvements -Commend executive director and deputy director on all of the grants they have secured for the Port -Starting sea level rise study <ul style="list-style-type: none"> • Engineering firm they chose is very knowledgeable and innovative • Port is conscious about achieving other goals at the same time that SLR is addressed • Work will be done in a holistic, environmentally sound way -Recompete bid with boat yard expansion to open up area of shipwright's coop toward bluff -Updating stormwater system for boat yard -Jetty dolphin (old anchor point for submarine net) creosote pilings, will be removed <ul style="list-style-type: none"> • Waiting for historical committee to approve the removal -New sculpture at Boat Haven marina of a crab zoea -Starting in earnest the Short's Farm plan <ul style="list-style-type: none"> • Engage agricultural community to utilize 253-acre farm – Port has paid for it but it will be a long public process • Meeting Oct 18th, 5:30 pm at Tri Area Community Center • Port Commission special business meeting • Will be choosing the farm steering committee 	Short's Farm Plan Special business meeting of the Port, open to public. October 18 th , 5:30 pm at Tri Area Community Center	
MEETING REPORTS AND ISSUE UPDATES	<p>NWSC Meeting Update (Jeff) –</p> <ul style="list-style-type: none"> -Discussion of the Roberts Bank Terminal II expansion in British Columbia <ul style="list-style-type: none"> • Environmental Assessment stops at border, but border is hundreds of yards from the end of the terminal • San Juan County is seeking to get compensation due to increased tanker traffic -NWSC diligently working on reauthorization of the Initiative <p>Strait ERN Quarterly Meeting Update (Monica) –</p> <ul style="list-style-type: none"> -Really great group, information about what else is going on across the region and opportunity to forge partnerships <p><i>Neil: Kara is a great coordinator, and I get a lot out of the updates from the group. Good resource for learning about or sharing funding opportunities.</i></p> <p><i>Heidi: Representatives from groups that are on the ground, working together. Representation across groups (tribes, non-profits, etc.)</i></p> <p>Shoreline Master Program Update (Gordon) –</p> <ul style="list-style-type: none"> -In August, we formed a subcommittee to comment on the draft of the SMP; some members have been involved in the SMP update process since 2020 through the Task Force -Subcommittee met and drafted a letter to the BoCC with comments on the SMP update 	See the NWSC reauthorization trifold brochure	

	<p>There was discussion about the contents of the SMP letter, including discussion about fish farm language and whether the MRC should "support" vs "recognize the importance of" shellfish farming in Jefferson County. With edited language, there was no consensus on an agreed upon stance among MRC members. The majority of members voted to approve the letter for submitting to the BoCC and Planning Commission.</p> <p>Gordon motioned to approve the changes to the draft letter of recommendations and submit to the BoCC. Sarah seconded. Motion passed.</p>	<p>Gordon motioned to accept the draft letter from the MRC regarding the SMP update; Sarah seconded. Motion to approve the SMP letter passed.</p>	
ADMINISTRATIVE UPDATES	<p>MRC Member Recruitment Update (Monica) –</p> <p>Interviews were conducted all day with some final selections to still determine. Will follow up with candidates within the next week.</p> <p>Reminder that the MRC will be voting on Executive Committee positions in December. For anyone potentially interested in what this entails, feel free to join the next Executive Committee meeting on October 24th.</p>	<p>Next MRC Executive Committee Meeting will be October 24th, 9-10am at the WSU Classroom.</p>	
CURRENT AND UPCOMING PROJECTS	<p>Forage Fish – Fort Townsend (Monica) Will be focusing seasonal surveys in just Oct, Nov and Dec at Fort Townsend, with low tides in the early hours of the morning. First survey of the season will be Oct 26th</p> <p>Forage Fish – Dabob (Sarah) Did not survey in September but will survey in October.</p> <p>Derelict Vessel Removal (Sarah) Remaining funds will include removal of two vessels near the mouth of Chimacum Creek.</p> <p>Shoreline Landowner Outreach (Sarah) Shore Friendly workshop is set for October 21st with a beach walk at East Beach on Marrowstone Island at 9am followed by presentations at the WSU Classroom at 10:30am. Topics will include alternatives to armoring, response to SLR, native vegetation for erosion control and habitat enhancement.</p> <p>Rain gardens (Bob) Installed the Swan School (24th and Kuhn Streets in Port Townsend) rain garden on September 21 with the help of 39 students and 11 community volunteers. This is the MRC's last installation, totaling 19 rain gardens across East Jefferson County.</p> <p>No-Anchor Zones (Troy) Last weekend Troy and Gordon swapped out nine summer spar buoys for winter floats in Port Townsend. Two buoys were missing and will need to replace four (six total). 100% boater compliance during the Wooden Boat Festival. Brent and Neil went out on Sunday, around 40 or so boats and none were inland of buoys.</p> <p>Education & Outreach (Joanie) Thank you to volunteers from MRC tabled at Wooden Boat Festival in September, making a total of 442 direct contacts and 34 signed up to receive notification of meetings and project volunteer opportunities. The community survey received 19 responses.</p> <p>Storm Surge Monitoring (Jeff) Last week there were not really high tides, but went out with the new intern, Nathaniel, monitored a small storm surge event associated with a recent storm.</p>		
FUTURE AGENDA TOPICS	None.		
PUBLIC COMMENT	None.		
MRC ROUNDTABLE/ ANNOUNCEMENTS	Jeff was featured on Nature Now with Nathaniel for the ROV project.		
ADJOURNMENT	The meeting was adjourned at 8:02PM. Next meeting will be November 7 th .	Gordon moved to adjourn the meeting. Brent seconded. Motion passed.	



Join in-person: Point Hudson Pavilion Building (355 Hudson St.) in Port Townsend

Join by computer/device: <https://us06web.zoom.us/j/82317298603>

Join by phone: +1 (253) 215-8782 US (Tacoma)

Meeting ID: 823 1729 8603

MEETING AGENDA

**Officers/Executive
 Committee:**

Troy McKelvey, Chair
 Gordon King, Vice Chair
 Jeff Taylor, NWSC Rep
 Sarah Fisken, NWSC Alt

MRC Members:

Janette Mestre, District 1
 Brad Bebout, District 1
 Timothy Behrenfeld, Dist 1 Alt
 Brenda Johnson, District 2
 Jeff Taylor, District 2
 Frank Handler, District 2 Alt
 Sarah Fisken, District 3
 Joanie Hendricks, District 3
 Tim Cross, District 3 Alt
 Betsy Carlson, Envir/Conserv
 Bryan DeCaterina, Env/Cons Alt
 Carol Hasse, Port of PT
 Gordon King, Commercial
 Emily Buckner, Marine Science
 Christopher Kelley, Marine Sci Alt
 Heidi Eisenhour, BoCC
 Troy McKelvey, Recreation
 Roy Clark, Recreation Alt
 Judy Surber, City of PT
 Neil Harrington, Tribal

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

- 6:00** Call to Order & Introductions – Thank you to parting members and welcome new MRC members
- 6:15** Amendments to/Approval of Agenda
 Amendments to/Approval of October 2023 Minutes
- 6:18** Public Comment
- 6:20** **Guest Speaker**
 Tom Mumford – “Kelp Aquaculture - How it will Save the World — maybe...”
- 7:00** **BoCC Update**
- 7:05** **Port of Port Townsend Update**
- 7:10** **Recent Meeting Reports & Issue Updates**
 NWSI Conference (All)
 Marine Renewable Energy Feasibility Study (Troy)
 Shoreline Master Program Update (Gordon/Neil)
- 7:30** **Administrative Updates (Monica)**
 MRC Part Time Staff Hiring Subcommittee
 Upcoming Executive Committee Vote
 Draft 2024 Workplan and 2023 Annual Report
- 7:35** **Current and New Project Updates**
 - Forage Fish – Fort Townsend (Janette) & Dabob (Sarah)
 - Forage Fish – Duckabush/Dosewallips (Monica)
 - Voluntary No-Anchor Zones (Troy/Monica)
 - Shoreline Landowner Outreach (Sarah)
 - Storm Surge Monitoring (Jeff)
- 7:47** Public Comment
- 7:50** Call for Future Agenda Topics/Speakers
- 7:52** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

November 21, 8-9am – MRC executive committee meeting

December 5, 10-11am – Voluntary No-Anchor Zone social marketing campaign workgroup

December 5, 6-8pm – MRC monthly meeting at WSU Classroom (Port Hadlock)

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

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

**Jefferson County Marine Resources Committee
Hybrid Meeting
November 7, 2023 Meeting Minutes**

Present:

Janette Mestre, District 1
 Brad Bebout, District 1
 Timothy Behrenfeld, District 1 Alt
 Jeff Taylor, District 2, NWSC Rep
 Brenda Johnson, District 2
 Frank Handler, District 2 Alt
 Sarah Fiskens, District 3, NWSC Alt.
 Joanie Hendricks, District 3
 Tim Cross, District 3 Alt
 Troy McKelvey, Recreation, Chair
 Gordon King, Commercial, Vice Chair
 Betsy Carlson, Envir/Conserv
 Bryan DeCaterina, Env/Conserv Alt
 Emily Buckner, Marine Science
 Christopher Kelley, Marine Sci Alt
 Heidi Eisenhour, *ex officio*, BoCC District 2
 Carol Hasse, Port of Port Townsend
 Judy Surber, City of Port Townsend

Absent:

Neil Harrington, Tribal
 Roy Clark, Recreation Alt

Guests: Lee Bebout, Jonathan Waggoner, Katy,
 Robert Knapp, Cheryl Lowe, Alisa Taylor, Selene &
 Jim, Matt, Nam Siu, Meg Chadsey, Tom Mumford

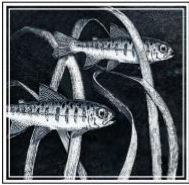
Staff: Monica Montgomery, MRC Coordinator
 Bob Simmons, WSU Extension

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Troy called the meeting to order at 6:00PM. Troy welcomed guests and MRC members. Gratitude was expressed to Solenne and Brent for their contributions on the MRC, and to Nam for almost 10 years serving on the MRC. All have completed their terms. New members were introduced: Emily Buckner Marine Science, Tim Cross District 3 Alt, Brad Bebout District 1, Timothy Behrenfeld District 1 Alt, Christopher Kelley Marine Sci Alt.	A quorum was present.	All members – please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA	Troy asked for approval/amendments to the agenda. Motion to approve the agenda by Gordon, which was seconded by Brenda. Agenda was approved.	Gordon moved to approve the agenda. Brenda seconded. Motion passed.	
APPROVAL OF MINUTES	Troy asked for approval/amendments to the October 2023 Minutes. Bryan moved to approve the minutes, which was seconded by Brenda. Minutes passed.	Bryan moved to approve the September minutes. Seconded by Brenda. Motion passed.	
PUBLIC COMMENT	None.		

<p>GUEST SPEAKERS</p> <p>Tom Mumford Kelp Aquaculture</p>	<p>Dr. Tom Mumford presented on "Kelp Aquaculture - How it will Save the World — maybe..."</p> <p>NE Pacific is a global hot spot for kelp diversity</p> <p>Ecological importance – habitat</p> <ul style="list-style-type: none"> • Kelp, fish, and fisheries • Base of marine food web • Spawning substrate • Refuge from predation • Migratory pathway • Critical habitat for juvenile rockfish <ul style="list-style-type: none"> ○ Rockfish ESA listed in Puget Sound – critical habitat for juvenile rockfish ○ NOAA designated kelp habitat as critical/need to restore to recover rockfish <p>Primary productivity – huge contribution to carbon fixation, kelp grows very quickly</p> <p><u>Why grow kelp?</u></p> <ul style="list-style-type: none"> • Food (human, animal) • Chemicals • Bioplastics • Fertilizer/biostimulants • Bioenergy • Methane reduction (cows) • Carbon sequestration • Ocean acidification • Kelp bioaccumulate rare earth elements <p><u>Aquaculture Process</u></p> <ul style="list-style-type: none"> • WA state policies, gov support • business plan/funding/insurance • siting • social license • permits, lease • hatchery • grow out • harvest • processing • marketing <p>Not many operating farms in Washington (Lummi Sea Greens, Blue Dot)</p> <p><u>Impacts of kelp farms</u></p> <ul style="list-style-type: none"> • Use conflicts (navigation, fisheries, traditional uses) • Impacts on habitats • Marine mammal entanglement • NIMBY issues • Scale (carbon seq) <p><u>Alternatives</u></p> <ul style="list-style-type: none"> • Other species to cultivate? • Upland tank cultivation • Wild harvest • Product or mix of products? Multi-trophic aquaculture, restorative aquaculture, nutrient mitigation <p><u>Social License</u></p> <ul style="list-style-type: none"> • The key is building trust • Organization must be in reciprocal relationship with host community, held to certain standards <p><u>Conclusions</u></p> <ul style="list-style-type: none"> • Local effect on reducing ocean acidification • Carbon sequestration – some carbon exported to deep ocean and buried, some is recycled in the food web; implementation is ahead of the science • What is the net carbon impact? • Social equity and justice – ocean as a Commons, who benefits and who pays the price? • Kelp restoration still largely unproven – need to fix problems that caused kelp losses in the first place 		
<p>BoCC REPORT</p>	<p>Commissioner Eisenhour – Update from BoCC</p> <ul style="list-style-type: none"> • SMP update – moving along with a few setbacks, Planning Commission requested another full review before forwarding to the BoCC; close to final stages – goal to have it done by the end of the year 		

PORT OF PT UPDATE	<p>Carol Hasse was not in attendance but forwarded an update to staff:</p> <ul style="list-style-type: none"> • Port is continuing with design and modeling for the seawall project and has submitted a preliminary BRIC grant as of Friday, so now waiting till February to see if they are invited to the “finals” • Port engineer would be happy to give a more in-depth update any time 		
MEETING REPORTS AND ISSUE UPDATES	<p>NWSI conference update –</p> <p>Janette: a really great experience, had a lot of good conversations; People impressed with Jefferson MRC projects</p> <p>Bob: impressed by the work from all the MRCs, a good opportunity to share ideas</p> <p>Marine Renewable Energy Feasibility Study (Troy) –</p> <p>Pacific Northwest National Laboratory and North Olympic Development Council is conducting a feasibility study to explore renewable energy production via wind turbines in the Straits. Had an all day meeting in Blyn on Thursday; 70 people involved so far</p> <p>Shoreline Master Program Update (Gordon) –</p> <p>Heidi covered this already. November 15th will be the next Planning Commission meeting at Tri-Area Community Center</p>		
ADMINISTRATIVE UPDATES	<p>Administrative Updates (Monica) –</p> <p><u>MRC Part Time Staff Hiring Subcommittee</u></p> <ul style="list-style-type: none"> • Last April we had a retreat to share ideas for the next two-year grant cycle and one of those decisions was to hire an additional part time staff person • Seeking to form a subcommittee to oversee the hiring process • Aiming for about three meetings: one in December to finalize a job description, one in late January-early February to review applications, and one in mid-February to conduct interviews and select candidates • Aiming to have the job description finalized in December • Sarah and Judy expressed interest in being a part of the hiring subcommittee <p><u>Upcoming Executive Committee Vote</u></p> <ul style="list-style-type: none"> • Next month we'll be voting on the Executive Committee seats (Chair, Vice Chair, NWSC Rep, NWSC Alt) • Please consider if you are interested in any position and know that you're welcome to attend the next Executive Committee meeting to see what it's about, feel free to ask any questions <p><u>Draft 2024 Workplan and 2023 Annual Report</u></p> <ul style="list-style-type: none"> • These are grant deliverables that are completed each year – do members have interest in reviewing and providing input? • If we want more of a discussion we can add to the next agenda or feel free to provide input directly to Monica • Janette expressed it might be worth putting on the agenda for December 		
CURRENT AND UPCOMING PROJECTS	<p>Forage Fish – Fort Townsend (Janette), Dabob (Sarah), Duckabush/Dosewallips (Monica)</p> <p>Janette – conducted the first survey of the season in October, heading into next couple months of sampling in the dark</p> <p>Sarah – we sampled in October and I'm looking for days to sample in November and December</p> <p>Monica – WDFW reached out to see if the MRC would be interested in setting up a site ahead of restoration efforts at the Duckabush Estuary. They are currently developing a study plan and looking at setting up monitoring sites at Duckabush and control sites at Dosewallips. Joan volunteered to be project lead for the surveys. Sarah is also interested in participating.</p> <p>Shoreline Landowner Outreach (Sarah) –</p> <p>Held the Shore Friendly workshop on November 21st with a beach walk at East Beach followed by classroom presentations, ~30 people attended.</p>		

	<p>No-Anchor Zones (Troy) – Planning the next work party for November 18th to check attachments in Port Townsend and possibly Port Hadlock.</p> <p>Storm Surge Monitoring (Jeff) – Monitored a recent storm surge event with the intern and developing a searchable database.</p>		
FUTURE AGENDA TOPICS	<p>Monica shared the possibility of a joint meeting with Clallam MRC as a social gathering as well as educational opportunity regarding Tribal Treaty Rights sometime in the winter. Members expressed interest and asked logistical questions. Monica will report back at the next meeting.</p> <p>Other topics of interest: marine renewable energy, State Parks and how they're addressing sea level rise</p>		
PUBLIC COMMENT	None.		
MRC ROUNDTABLE/ ANNOUNCEMENTS	<p>PTMSC lecture this Sunday at the Fort Worden Chapel – “Fossils of Western Washington: a Marine Perspective” on Sunday and a book signing at the Flagship building on Friday. Quimper Geological Society will also feature the lecture on Saturday at First Baptist Church.</p>	<p>PTMSC Lecture, Fort Worden Chapel November 12th 3-4 pm https://ptmsc.org/event/lecture-fossils-of-western-washington/</p>	
ADJOURNMENT	The meeting was adjourned at 8:10PM. Next meeting will be December 5 th .	Gordon moved to adjourn the meeting. Janette seconded. Motion passed.	



**Jefferson County
Marine
Resources
Committee**

**Tues, December 5, 2023
6:00-8:00PM
Hybrid Meeting**

Join in-person: **Tri-Area Community Center Dining Room (10 W Valley Rd)** in Chimacum

Join by computer/device: <https://us06web.zoom.us/j/82317298603>

Join by phone: +1 (253) 215-8782 US (Tacoma)

Meeting ID: 823 1729 8603

MEETING AGENDA

**Officers/Executive
Committee:**

Troy McKelvey, Chair
Gordon King, Vice Chair
Jeff Taylor, NWSC Rep
Sarah Fisken, NWSC Alt

MRC Members:

Janette Mestre, District 1
Brad Bebout, District 1
Timothy Behrenfeld, Dist 1 Alt
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Sarah Fisken, District 3
Joanie Hendricks, District 3
Tim Cross, District 3 Alt
Betsy Carlson, Envir/Conserv
Bryan DeCaterina, Env/Cons Alt
Carol Hasse, Port of PT
Gordon King, Commercial
Emily Buckner, Marine Science
Christopher Kelley, Marine Sci Alt
Heidi Eisenhour, BoCC
Troy McKelvey, Recreation
Roy Clark, Recreation Alt
Judy Surber, City of PT
Neil Harrington, Tribal

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

- 6:00** Call to Order & Introductions
- 6:05** Amendments to/Approval of Agenda
Amendments to/Approval of November 2023 Minutes
- 6:08** Public Comment
- 6:10** **BoCC Update**
- 6:15** **Recent Meeting Reports & Issue Updates**
Shoreline Master Program Update (Gordon)
- 6:20** **Current and New Project Updates**
 - Storm Surge Monitoring (Jeff)
 - Shoreline Landowner Outreach (Sarah)
 - Fort Townsend Forage Fish (Janette)
 - DEI (Nam)
- 6:35** **Administrative Updates**
Executive Committee Vote (Troy - 10 min)
Joint Clallam-Jefferson MRC Meeting (Monica - 5 min)
Draft Annual Workplan (Monica - 5 min)
- 6:55** **Guest Speakers**
Amelia Kalagher – Internship Reflection (15 min)
Dana Oster – NWSC Marine Programs Updates & MRC Needs
Assessments (37 min)
- 7:47** Public Comment
- 7:50** Call for Future Agenda Topics/Speakers
- 7:52** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

December 8, 10am-12pm – NWSI meeting ([Zoom details here](#))

December 19, 8-9am – MRC executive committee meeting

January 2, 6-8pm – MRC monthly meeting at location TBD

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

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

**Jefferson County Marine Resources Committee
Hybrid Meeting
December 5, 2023 Meeting Minutes**

Present:

Troy McKelvey, Chair
 Gordon King, Vice Chair
 Brenda Johnson, District 2
 Sarah Fisker, District 3, NWSC Alt.
 Heidi Eisenhour, *ex officio*, BoCC District 2
 Frank Handler, District 2 Alt
 Jeff Taylor, District 2, NWSC Rep.
 Joanie Hendricks, District 3
 Bryan DeCaterina, Env/Conserv Alt.
 Janette Mestre, District 1
 Judy Surber, City of Port Townsend
 Betsy Carlson, Envir/Conserv
 Emily Buckner, Marine Science
 Tim Cross, District 3 Alt
 Brad Bebout, District 1
 Timothy Behrenfeld, District 1 Alt
 Christopher Kelley, Marine Sci Alt
 Roy Clark, Recreation Alt

Absent:

Neil Harrington, Tribal
 Carol Hasse, Port of Port Townsend

Guests: Nathaniel Ashford, Chris Kelley, Dana Oster, Lee Bebout, Aubri Rollins, Amelia Kalagher, Nam Siu, Mike Kennedy

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

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Troy called the meeting to order at 6:00 PM. Troy welcomed guests and MRC members.	A quorum was present.	All members – please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA	Troy asked for approval/amendments to the agenda. Motion to approve the agenda by Janette, which was seconded by Sarah. Agenda was approved.	Janette moved to approve the agenda. Sarah seconded. Motion passed.	
APPROVAL OF MINUTES	Troy asked for approval/amendments to the November 2023 Minutes. Jeff moved to approve the minutes, which was seconded by Brenda. Minutes passed.	Jeff moved to approve the November minutes. Seconded by Brenda. Motion passed.	
PUBLIC COMMENT	None.		
BoCC REPORT	Commissioner Eisenhour – Update from BoCC SMP Update <ul style="list-style-type: none"> • SMP update consultant briefing on December 11th • County Commissioners will either accept the Planning Commission's recommendation or schedule a public hearing, which would then be held January 8th at 10:30am Dabob Bay Update <ul style="list-style-type: none"> • Board of Natural Resources approved expansion of Dabob Bay using the Trust Land Transfer (TLT) program • Nearly 800 acres of former state trust land was added to the Dabob Bay Natural Area – to benefit of junior taxing districts • State will protect 2,000 acres of structurally complex forest across five counties including ~950 acres in Jefferson 		
MEETING REPORTS AND ISSUE UPDATES	Shoreline Master Program Update (Gordon) – Heidi covered major updates		
ADMINISTRATIVE UPDATES	Administrative Updates Executive Committee Vote (Troy) Candidates:		

	<p>Chair – Gordon Vice Chair – Betsy NWSC – Jeff (Rep), Sarah (Alt)</p> <p>Troy made a motion to approve candidates. Motion passed.</p> <p>Joint Clallam-Jefferson MRC Meeting (Monica)</p> <ul style="list-style-type: none"> • Social gathering with Clallam MRC at Red Cedar Hall in March, including a presentation on Tribal Treaty Rights. Discussed inviting Cecilia Gobin, with the NW Indian Fisheries Commission and NW Straits Initiative, as the speaker. • Idea is to have the presentation, time for small group discussions, then potluck dinner and time for socializing • Special meeting of the MRC (in addition to regular monthly meeting in March) <p>Draft Annual Workplan (Monica) Opened up the floor for comments, questions, suggestions on document, a grant deliverable, covering project activities for the upcoming year.</p> <p>Brenda suggested allowing more time for review and to revisit at the next meeting.</p>	<p>Troy moved to approve the candidates for the executive committee for 2024. Motion passed.</p>	
CURRENT AND NEW PROJECTS	<p>Storm Surge Monitoring (Jeff) Monitored an event the last week. One of the project volunteers, Dave, drafted a written protocol for others to use to do their own forecasting. The intern, Nathaniel, will test it out and provide editing suggestions.</p> <p>Shoreline Landowner Outreach (Sarah) The NW Straits Foundation has been conducting beach walks, with site visits in Mats Mats and at Adelma Beach focused on vegetation. Subcommittee will be meeting at 9am tomorrow.</p> <p>Fort Townsend Forage Fish (Janette) The team conducted the MRC's first night survey, found surf smelt eggs across October and November and Pacific sand lance eggs in November. Will be sending out potential dates for December, the last survey of the season.</p> <p>DEI (Nam) Subcommittee met a few weeks ago to revisit previous discussions as well as discuss the future of the subcommittee with Nam no longer an MRC member. If any MRC members are interested in joining the subcommittee, looking for a new project lead.</p>		
GUEST SPEAKERS	<p>Amelia Kalagher – MRC Internship Reflection MRC Program Assistant</p> <p><u>Resources</u> -Created onboarding manual for new MRC members -File organization and developed timelines of MRC projects (useful for project planning) -Helped with grant reporting documents -Engaged in fieldwork across all MRC projects -Created a community survey and analyzed initial results -Analyzed Fort Townsend forage fish data back to 2015; see a northerly drift in presence of eggs following restoration with restored beach movement along littoral drift</p> <p><u>Community engagement survey</u> -How are MRC activities connecting with public interests and concerns? -Initial launch at Wooden Boat Festival and promoted online in November -36 responses so far -Open ended responses focused on anthropogenic impacts and conservation issues -Almost half had heard of MRC, but only 17% had participated in an MRC program</p> <p>Dana Oster – NWSC Marine Programs Updates & MRC Needs Assessments</p> <p>Marine Program Manager with NWSC</p> <p>Program goals: 1) support local MRC projects and programs 2) support regional MRC projects 3) broadscale leadership on regional marine priorities</p>		

	<p><u>Provide technical support to MRCs</u></p> <ul style="list-style-type: none"> -Listen in on meetings to understand background of MRC projects and concerns -Science Advisory Committee -Organize symposiums, ad hoc workgroups, etc. to address MRC needs <p><u>Regional MRC projects</u> – forage fish spawn surveys, bull kelp monitoring, Olympia oyster restoration, voluntary no-anchor zones</p> <p><u>Regional projects (not necessarily MRC)</u> – Puget Sound Kelp Plan, European Green Crab Trapping and Removal, Derelict Vessel Removal</p> <p><u>Community Needs Assessment:</u></p> <ul style="list-style-type: none"> -Opportunity to work with students at the UW Evans School of Public Policy and Governance to interview key community members -Goal is to create a framework to help MRCs represent their unique local communities' concerns and priorities related to marine resources -Modelled after Island MRCs Needs Assessment to aid strategic planning -Work would begin in January, interviews would likely take place in March-April, and students will analyze the data, prepare reports, and share results by May <p>MRC discussed and decided to revisit at the January meeting.</p>		
FUTURE AGENDA TOPICS	<ul style="list-style-type: none"> • Judy could give City of PT updates – PT sewer outfall, City SMP process • DNR Derelict Vessel Removal Program (DVRP) by Jerry Farmer • WA State Parks recently gave a presentation on SLR planning to Climate Action Committee • Forage fish monitoring status & trends – WDFW and Tribes • DOH water quality (Mike Dawson) • Shoreline armoring and inventory across East Jefferson County 		
PUBLIC COMMENT	No public comment.		
MRC ROUNDTABLE/ ANNOUNCEMENTS	<p>Judy: WA State Parks Fort Worden boat launch replacement – asked about the status. Believes they will have a SEPA determination early in 2024.</p> <p>Betsy: This Sunday December 10th there will be a talk about sea otters as part of the PT Marine Science Center lecture series, 3pm at the Chapel at Fort Worden.</p> <p>Joan: This meeting location seems to work better than others for hybrid meetings (Tri-area community center).</p> <p>Brenda: Chimacum fire station has a nice conference room.</p>	<p>PT Marine Science Center lecture series, talk on December 10th: https://ptmsc.org/event/lecture-otters-history-habitat-conservation/</p>	
ADJOURNMENT	The meeting was adjourned at 8:00PM. Next meeting will be January 2 nd .	Gordon moved to adjourn the meeting. Brenda seconded. Motion passed.	