

Jefferson County Marine Resources Committee

Meeting Agenda
Tues, Jan 4, 2022
6:00-8:00PM

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

Officers/Executive Committee:

Brenda Johnson, Chair
Troy McKelvey, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fiskens, NWSC Alternate

MRC Members:

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

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 2021 Minutes
- 6:08** Public Comment
- 6:10** **Discussion of Port Townsend Marine Issues**
Steve King and John Mauro
- North Beach sewer outfall replacement
 - Sea level rise, bulkhead replacement
 - Stormwater, rain gardens
 - Gaines St. pump station
- 7:00** BoCC Report (Heidi)
- 7:05** Port of PT Update (Pam)
- 7:10** **Recent Meeting Reports & Issue Updates**
NWSC Meeting (Jeff)
- 7:15** **Administrative Updates**
Salish Sea Ecosystem Conference (April 2022)
2022 guest speakers
Process for sharing recent publications with the MRC
- 7:20** **Current Project Updates and New Proposals**
- Forage fish – Adelma (Jeff), Dabob (Sarah), Fort Townsend (Janette)
 - No-anchor zones (Troy)
 - Mapping lost crab pots (Jeff)
 - Storm surge monitoring (Jeff)
 - New: stormwater outfall monitoring (Judy)
- 7:47** Public Comment
- 7:50** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

Jan 18, 9-10am – Executive Committee meeting

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

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

Jan 28, 10am-12pm – NWSC monthly [meeting](#)

Feb 1, 6-8pm – MRC monthly meeting

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

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

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

**Jefferson County Marine Resources Committee
Virtual Zoom Meeting
January 4, 2022 Meeting Minutes**

Present:

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

Absent:

Sarah Fiskien, District 3, NWS Alt.
Solenne Walker, District 1
Bryan DeCaterina, Env/Conserv Alt.
Heather Burns, District 3
Janette Mestre, District 1
Brent Vadopalas, Marine Science Alt.

Guests: Barbara Moore-Lewis, Allie Simpson,
Patrick Johnson, Lucas Hart, Kevin Long, Emily
Buckner, Richard Hull, John Mauro, Steve King

Staff: Monica Montgomery, MRC Coordinator

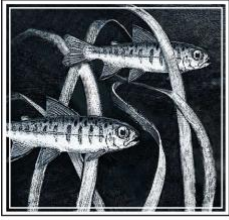
Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Chair Brenda Johnson called the meeting to order at 6:00 PM. Welcomed guests and MRC members.	A quorum was present.	All members – please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA APPROVAL OF MINUTES	Brenda asked for approval/amendments to the Agenda. Motion to approve by Nam, which was seconded by Gordon. Approved as written. Brenda asked for approval/amendments to the December 2021 Minutes. Judy Surber had a correction to the December 2021 Minutes. Neil Harrington mentioned that during a vote for new MRC officers, the minutes need to record that the motion was passed. Neil moved to approve with corrections, which was seconded by Judy. Minutes passed as amended.	Nam moved to approve the agenda. Gordon seconded. Motion passed. Neil moved to approve the December minutes with corrections. Seconded by Judy. Motion passed.	
PUBLIC COMMENT	Barbara Moore-Lewis – Provided a Black Point logging update. Public disclosure to track how logging occurred. County has not explained why it is actively supporting the Pleasant Harbor MPR development. Heidi – County is actively working to settle with the developer.		
ROUND TABLE Discussion of Port Townsend Marine Issues Steve King and John Mauro	City of Port Townsend Public Works Director Steve King and City Manager John Mauro North Beach sewer outfall replacement <ul style="list-style-type: none"> Project status - secured a Dept of Ecology loan to help with funding (\$4 million), preparing to submit permits Jacobs Engineering is the lead consultant Very interested in reducing costs; looking at prioritizing where to invest limited funds Significant utility rate hike recently, factor of concern to community Utility challenges due to aging infrastructure. Significant financial challenges cause tradeoffs. Just received council approval for coverage under Puget Sound general nutrient permit – obligation for 		

	<p>the 1st five years is to monitor nitrogen levels monthly (currently checked annually). Wastewater plant is a very low contributor of nitrogen relative to other plants – 2 to 6 ppm (most water treatment plants >15 ppm). Designated as tier 3: required to monitor nitrogen, examine operational changes and implement physical upgrades to reduce nitrogen.</p> <ul style="list-style-type: none"> o RH2 Engineering hired for general sewer plant update (plant is ~30 years old); retrofitting the wastewater plant will be multimillion dollar project in the future. <p>Discussion/questions:</p> <p>Liz – Wastewater general plan scope of work questions. Will impacts of storm surge/sea level rise in the long term be evaluated? Water conservation can increase capacity at wastewater facility. Will there be a water conservation plan?</p> <p>Steve – Water conservation is mandated by the Dept of Health and is included in the water system plan (not sewer system plan). Over last 20 years, not much growth in water usage despite population growth, due to water conservation. Sea level rise impacts will be considered in the general sewer plan to the extent possible. Impacts to discharge of wastewater plant due to storm surge/sea level rise will also be considered.</p> <p>Neil – Echoed Liz's comments. Added that secondary use of water would be ideal. Time frame on general sewer plan update and outfall replacement?</p> <p>Steve – General plan slated to be completed in 2022. Nutrient loading analysis will be done later in the year, or in 2023, to collect data for analysis. Outfall has a compliance deadline. If they can get an extension to consider general sewer plan information, will take that route.</p> <p>Joan – At Gaines Street pump station does it make sense to store sewage above ground?</p> <p>Steve – Pipes are deep underground, so wet well is also underground. Wet wells can withstand sea level rise, but electronic control equipment cannot. Electrical components will need to be moved above ground (will be critical but costly). If the pump station does not work, raw sewage would spill into Port Townsend Bay.</p> <p>Nam – Why is Port Townsend investing \$4 million in antiquated technologies (outdated outfall)? If the wastewater plant were to be upgraded, the outfall itself might not need to be replaced or repaired.</p> <p>Steve – Agrees the \$4 million would likely be better spent elsewhere. Upgraded technology might be a number of years out. Would like to investigate whether slip lining to outfall might get to a temporary (~20 years) solution with environmental and financial incentives.</p> <p>Nam – Provided background on the MRC's interest in the North Beach sewer outfall. North Beach has the largest floating bull kelp bed in all of Jefferson County. In addition, understory kelp, eelgrass, and surfgrass all coalesce here, forming environmentally unique and important habitats. The MRC has been monitoring the canopy bull kelp bed here for 5+ years. Outfall replacement has a high potential to impact these habitats. Short term high-impact construction is the MRC's greatest concern (i.e., trenching 50 ft wide, 900 ft long swath for new pipe). DNR, WDFW, local Tribes, and Nam have made comments regarding the outfall 13 years ago that have yet to be addressed.</p>	
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	<p>John Mauro – At first city council meeting he attended, Nam presented outfall information and comments. Has personally seen the records and appreciates Nam's work putting those together.</p> <p>Sea level rise, bulkhead replacement</p> <p>Steve – One main concern is eventual impacts of sea level rise and shoreline erosion from Point Hudson to Boat Haven. Looking for sources of funding to analyze community holistically for mitigation strategies. Unique position of Port Townsend as a maritime community.</p> <p>Jeff – In the future there might be abandoned property that is not maintained, could become public burden. In addition to planning/permitting, trusts could be set aside for deconstruction. Major expense not being addressed anywhere.</p> <p>John Mauro – Agreed with Jeff's comment. Expectation exists that local municipalities will pick up the bill, which is not financially feasible for the city or public at large.</p> <p>Judy – Reached out to Padilla Bay, program for shoreline planners, training for what cities can expect when they do have to decommission a property. We can learn from other jurisdictions to understand the process and costs. Local jurisdictions are not allowed to alter state exemptions (e.g., if you can show a bulkhead is necessary to protect a home, it must be processed as an exemption). Rigorous approval for shoreline exemption permit for new bulkheads, repair of bulkheads, etc.</p>		
BoCC REPORT	<p>Commissioner Eisenhower – Update from BoCC</p> <ul style="list-style-type: none"> o Authorized negotiations between county and Pleasant Harbor Resort. o New Strait ERN LIO Coordinator recently hired. o Part of DNR Trust Land Transfer Work Group, redesigning the program to be a sturdier tool for the future. Also working to expand the Dabob Bay Natural Area, working with NWI and DNR to expand preserve boundary. o Heidi is now Chair of the BoCC and will be staying with the MRC. 		
Port of PT UPDATES	<p>Commissioner Petranek – Update from Port of PT</p> <ul style="list-style-type: none"> o Committee assignments will be discussed next week, hopes to continue with the MRC. Hopes that more than one Commissioner can attend MRC meetings. o Capital engineer for the port will give jetty update next month. o Next week, meeting to discuss derelict vessel and recycling pilot project for derelict boats in Jefferson County (Solenne Walker is the project lead). o In Quilcene, December meeting was in-person with excellent participation. Community has expressed desire for significant changes which will involve maintenance and opening upland areas. Next meeting is 5-7pm on Feb 2 at the Quilcene Community Center. 		
RECENT MEETING REPORTS AND ISSUE UPDATES	<p>NWSC Meeting (Jeff) –</p> <ul style="list-style-type: none"> o Funding is tied in with the Commerce, Justice, Science, and Related Agencies funding appropriations bill. Waiting on Feds to pass the budget (potentially mid-February but could be delayed further). o Jackie Lindsey gave a presentation on the COASST marine debris program. The program began with looking at seabird mortality and expanded to marine debris. Go to www.coasst.org for more information or to get involved. 		

	<ul style="list-style-type: none"> o Allie Simpson presented on the European green crab program. In Drayton Harbor, 8 crabs/100 traps set, dropped to 3.5/100 traps. Effort seems to be working. Total of about 200 crabs caught. Lummi sea pond is the site of green crab hot spot (~70,000 crabs). More information here: https://wsq.washington.edu/21-lummi-update/ 		
Administrative	<p>Brenda – Anyone from the MRC who would like to attend the Salish Sea Ecosystem Conference (SSEC) will be supported by the MRC this year (April 2022, virtual conference). Monica will register MRC participants as a group.</p> <p>Monica – Suggestions for 2022 guest speakers will be shared in a poll in the next follow-up email.</p> <p>Sharing resources with the MRC: how would members like Monica to distribute shared resources with MRC members?</p> <p>Brenda – The members who send resources could share information during roundtable discussion.</p> <p>Pam – Add articles of interest to blog or latest news section of MRC website, so resources are also available to the public. Gordon – Concern that if resources are posted to website, MRC might be endorsing a certain point of view or information contained within resources.</p> <p>Neil – Project related resources could be shared on MRC website.</p> <p>Monica – Emails to the committee need to be sent by MRC staff, not by individual members to the whole committee. With a quorum present and any dialogue, even in email, it is considered an official meeting and therefore subject to the Open Public Meetings Act. Monica will use a special subject line when emailing forwarded resources.</p>		All members - let Monica know if you would like to attend the SSEC by January 20th.
CURRENT & UPCOMING PROJECTS	<p>Forage Fish Monitoring (Adelma-Jeff, Dabob-Sarah, Fort Townsend-Janette) –</p> <ul style="list-style-type: none"> o No monitoring in December due to daytime high tides. Storm surge has been covering the beach at Adelma. o Planning to resume sampling in January. Next survey at Fort Townsend is planned for Jan 24. <p>No-Anchor Zones (Troy) –</p> <ul style="list-style-type: none"> o Waiting for good weather and boat access to swap buoys with floats. <p>Mapping lost crab pots (Jeff) –</p> <ul style="list-style-type: none"> o Side scan sonar survey planned for Discovery Bay and contractor identified. However, there is a new county contract form and required liability coverage is doubled. Preferred contractor can't meet all the requirements. Monica is working to address these issues. o Contractor is applying for a NOAA Marine Debris grant to conduct side scan sonar surveys for lost crab pots in Sequim and Discovery Bays. Requested MRC to write a letter of support. Neil made a motion to approve, Betsy seconded the motion. Jeff Taylor will write letter of support. <p>Storm surge monitoring (Jeff) – Have not started monitoring yet. Next step, get together with Ian Miller, decide on what data to collect. Presentation/discussion with Clallam County to add another site to the project.</p> <p>Monica – Jeff is interested to have an intern support with data management. Monica would like an intern to help</p>	<p>Neil made a motion to approve the MRC writing a letter of support for the NOAA grant. Betsy seconded. Motion passed.</p>	<p>Jeff Taylor will draft MRC letter of support for NOAA marine debris grant.</p>

	<p>more broadly with data management across projects, including the ROV project, Olympia oyster, and forage fish surveys at Fort Townsend. Currently have MRC grant funding for an intern.</p> <p>Brenda – Need to develop description for role/responsibilities of an intern.</p> <p>Neil – Storm surge project could be a capstone project for a Master's student and Ian Miller would be a good point person for finding a student.</p> <p>Judy – NWSF provides funding for an intern, could be part of a bigger project for the NWSF (coordinating across MRCs).</p> <p>New: Stormwater outfall monitoring (Judy) – City stormwater operations manager was contacted by a volunteer lead who is monitoring stormwater outfalls for the City of Anacortes. Volunteer contacted the City of Port Townsend, offered to help set up a monitoring program for stormwater outfalls. Requires volunteer assistance, may be something that the MRC wants to pursue in partnership with the City. Discussion with interested parties possible for February meeting.</p>		
PUBLIC COMMENT	Public Comments – none.		
MRC Roundtable/ Announcements	Neil – Jamestown Shellfish Biologist is the lead on a USFWS/Tribal Wildlife grant, funding a kelp project. MRC wrote letter of support for the grant.		
ADJOURNMENT	Meeting was adjourned at 8:00PM. Next meeting will be February 1st.	Gordon moved to adjourn, seconded by Troy. Motion passed.	



Jefferson County Marine Resources Committee

Meeting Agenda
Tues, Feb 1, 2022
6:00-8:00PM

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

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Brenda Johnson, Chair
Troy McKelvey, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fiskén, NWSC Alternate

MRC Members:

Solenne Walker, District 1
Janette Mestre, District 1
Liz Hoenig Kanieski, District 1 Alt
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Heather Burns, District 3
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AGENDA

- 6:00** Call to Order
- 6:05** Amendments to/Approval of Agenda
Amendments to/Approval of January 2022 Minutes
- 6:08** Public Comment
- 6:10** **Guest Speaker**
Matthew Klontz, Port of PT Capital Projects Director:
Point Hudson Jetty Update
- 6:45** Port of PT Updates (Carol)
- 6:50** BoCC Report (Heidi)
- 6:55** **Recent Meeting Reports & Issue Updates**
NWSC Meeting (Jeff)
- 7:00** **Administrative Updates**
2022 Guest Speakers/Topics Poll Results
Sharing MRC minutes
BoCC presentation
Prioritizing Congressionally Directed Spending Project List
- 7:15** **Current and New Project Updates**
- Forage fish – Adelma (Jeff), Dabob (Sarah), Fort Townsend (Janette)
 - No-anchor zones (Troy)
 - Kelp (Solenne)
 - Mapping lost crab pots (Jeff)
 - Storm surge monitoring (Jeff)
 - Rain gardens (Janette)
- 7:47** Public Comment
- 7:50** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

Feb 15, 9-10am – Executive Committee meeting

Feb 16, 1-4pm – HCCC Board of Director's [meeting](#)

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

Feb 21, 1230pm – Fort Townsend forage fish survey

Feb 25, 10am-12pm – NWSC monthly [meeting](#)

Mar 1, 6-8pm – MRC monthly meeting

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

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

Jefferson County Marine Resources Committee

Virtual Zoom Meeting

February 1, 2022 Meeting Minutes

Present:

Brenda Johnson, Chair, District 2
 Troy McKelvey, Vice Chair, Recreation
 Neil Harrington, Tribal
 Jeff Taylor, District 2, NWSC Rep.
 Frank Handler, District 2 Alt.
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 Roy Clark, Recreation Alt.
 Brent Vadopalas, Marine Sci Alt
 Sarah Fiskens, District 3, NWSC Alt.
 Solenne Walker, District 1
 Janette Mestre, District 1
 Heather Burns, District 3
 Bryan DeCaterina, Env/Conserv Alt.

Absent:

Liz Hoenig-Kanieski, District 1 Alt.
 Gordon King, Commercial Interest
 Judy Surber, City of Port Townsend
 Nam Siu, Marine Science

Guests: Matthew Klontz, Barbara Moore-Lewis,
 Cheryl Lowe, Bridget Gregg, Leah Robison, Kara
 Cardinal, Jeff Whitty, Carol McCreary, Patrick
 Johnson

Staff: Monica Montgomery, MRC Coordinator

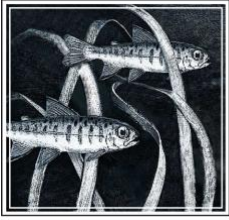
Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Chair Brenda Johnson called the meeting to order at 6:00pm. Welcomed guests and MRC members.	A quorum was present.	All members – please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA	Brenda made a small change to the agenda – at 6:45pm Heidi will give the BoCC update followed by Carol Hasse, replacement for Pam Petranek, Port of PT representative.	Neil moved to approve the agenda as amended. Bryan seconded. Motion passed.	
APPROVAL OF MINUTES	Brenda asked for approval/amendments to the Agenda. Motion to approve by Neil, which was seconded by Bryan. Agenda was approved as amended. Brenda asked for approval/amendments to the January 2022 Minutes. Joan moved to approve, which was seconded by Sarah. Minutes passed as written.	Joan moved to approve the January minutes. Seconded by Sarah. Motion passed.	
PUBLIC COMMENT	No public comment.		
GUEST SPEAKER Matthew Klontz, Port of PT Capital Projects Director and Chief Engineer	Point Hudson Jetty Update – Matthew Klontz <u>Project Background</u> <ul style="list-style-type: none"> Emphasized importance of the Breakwater Improvement Project to the community and Port One year ago, Mike Love presented project scope, purpose and need for the project to the MRC; Today will focus on how the project is accounting for sea level rise and addressing corrosion Located at the east end of Port Townsend, breakwater was originally constructed in the 1930s and repaired in the 1950s Consists of south and north jetty and a bulkhead inside the marina <u>New breakwater design</u> <ul style="list-style-type: none"> Will be built to resemble the existing breakwater, using new materials Creosote pilings will be replaced with 360 steel piles (uncoated, take on a rusty brown color which will resemble existing timbers) Rock on interior of breakwater to provide resistance to tidal flow Target design life of 40 years 		

	<ul style="list-style-type: none"> Design storm – 50-year wave = 4.4 ft Highest observed water level (max tide) = 11.73 ft Top elevation = 11.73 + 44 = 16.13 ft Existing breakwater is 13 ft, new will be 16 ft (same elevation as breakwater in the Boat Haven) <p><u>Sea Level Rise</u></p> <ul style="list-style-type: none"> January 7, 2022, predicted high tide of 9.55 ft with actual tide height of 11.44 ft; saw overtopping in Boat Haven, small amount of flooding at Point Hudson, water level rose to top of existing breakwater Predicted SLR is 1.3 ft in 50 years, with confidence interval of 50% (50% likely to be 1.3 ft or less) Rationale for building the breakwater 16ft tall and not 17.3ft (incorporating SLR): likelihood of a max tide event occurring in combination with a 50-yr design storm is very low A taller breakwater would increase the width of the base, and have a greater ecological impact <p><u>Pile corrosion</u></p> <ul style="list-style-type: none"> There are several uncoated steel piles in Point Hudson that were added during repair to breakwater after boat collision, have been in water for 12 years Corrosion rate is highest in the splash zone WSDOT Coleman dock project – built in 2017, noticed bright orange on steel piles = microbially influenced corrosion (some organisms eat the steel, others eat byproducts) Photo from June 2021 during a low tide event at Point Hudson show the same bright orange on the steel piles Potentially influenced by Point Hudson water quality, compromised by discharge of blackwater tanks Port is planning several options for boat pump-out facilities to improve water quality in the marina <p><u>Questions/Discussion</u></p> <p>Bryan – What is the permitting timeline?</p> <p>Matthew Klontz (MK) – Port is in consultation with marine services, close to having a biological opinion from NOAA, and NEPA from USFS. Still in waiting phase. Working on state and local permits. Next step is SEPA for Port of PT and JARPA for WDFW.</p> <p>Neil – Jetty elevation for south jetty?</p> <p>MK – 14-15ft.</p> <p>Solenne – Worst case scenario, overtopping of 1.3ft meets Army Corps limits. What are Army Corps limits?</p> <p>MK – 17.3ft is near upper limit, don't have an exact number.</p> <p>Jeff – One or two feet over predicted tide is not unusual and commonly occurs with wave action.</p> <p>Janette – Has water quality testing been done to know source of WQ issues?</p> <p>MK – No WQ testing has been done, purely speculation based on issues elsewhere.</p> <p>Janette – Choice of untreated steel pipes was made for aesthetic reasons. Were other coatings or materials considered?</p> <p>MK – Looking at galvanized steel, other treatment type is plastic coating around piles. Evaluating pros/cons of the options. Preferred is uncoated pile, and pile thickness could be increased to account for corrosion.</p>		
BoCC REPORT	<p>Commissioner Eisenhour – Update from BoCC</p> <ul style="list-style-type: none"> No site-specific project updates Regional septage capacity (solids in septic tank) reaching critical point for wastewater treatment to handle. Need a better wastewater solution for east Jefferson County Wrote a letter of support for legislation on kelp restoration, directed at DNR to do more for kelp forests Tracking specific shoreline code compliance issues (52 active cases of people out of compliance, ~30-50% are likely shoreline) Vocal advocate for removal of 4 lower Snake River dams Working on expansion of Dabob Bay Natural Area Preserve, and renewal of DNR trust land transfer program As Chair of Strait ERN LIO, working with Kara Cardinal (new Strait ERN Coordinator) to develop priorities in partnership with board tribes 		
Port of PT UPDATES	<p>Commissioner Hasse – Update from Port of PT</p> <ul style="list-style-type: none"> Carol Hasse, looking forward to collaboration between the MRC and Port of PT 		

RECENT MEETING REPORTS AND ISSUE UPDATES	<p>NWSC Meeting (Jeff) –</p> <ul style="list-style-type: none"> o In-person annual meeting in November 18-19th at Maple Hall in La Conner, WA o Feb 17th, Climate Change Symposium, fourth in the series, will be focused on local action o Caroline Gibson Scholarship Fund has begun accepting applications – check the Foundation's website o Critter Cards – beer coasters for local restaurants 	<p>NWSC Climate Change Symposium 4, this is the final event in the series (open by invitation only to MRC members, staff, and other Northwest Straits Initiative participants). More information will be sent by email: https://www.nwstraits.org/get-involved/events/</p> <p>Link to Caroline Gibson scholarship fund: https://nwstraitsfoundation.org/get-involved/caroline-gibson-scholarship-fund/</p>	
Administrative	<p>Monica – 2022 MRC guest speakers Shared results of the guest speaker/topic poll, with top ranking: Lisa Hillier on WDFW forage fish index sites; Derelict Vessel Removal Program; and Julie Keister on OA effects on zooplankton ecology. Will share the list of guest speakers with the group.</p> <p>Brenda – Sharing MRC Minutes Brenda would like to share MRC minutes with the group earlier than one week before the next meeting. Mentioned the importance for MRC members of talking to your alternate to communicate what happened at the meeting.</p> <p>Monica – BoCC presentation Presenting updates from the MRC to the BoCC on March 28th, around 1:30pm. Anyone interested in presenting or being available to answer questions about specific projects, reach out to Monica.</p> <p>Monica – Prioritizing Congressionally Directed Spending Project List</p> <ul style="list-style-type: none"> o The MRC brainstormed the list of projects in November; now looking at prioritizing projects to be funded o Once federal budget is approved, this will trigger NOAA to create rules for distributing the funds and may determine what kinds of projects will be funded o Monica will share document for MRC members to consider for prioritization <p>Heidi – talked to Sea Grant, moving forward with a solution for derelict vessel recycling program</p> <p>Solenne – initiation of derelict vessel recycling program with an effort to recycle fiberglass vessels in PT. Part of the solution is working with PT foundry, but they do not want all the vessels. Need to reach out to DTG for more of a regional solution.</p>		
CURRENT & UPCOMING PROJECTS	<p>Forage Fish Monitoring</p> <ul style="list-style-type: none"> o Jeff (Adelma) – sampled a few days ago o Sarah (Dabob) – sampled on the 25th, will be dropping off samples to WDFW tomorrow o Janette (Fort Townsend) – sampled a week ago; have dates scheduled for February and March o Samplers are using WDFW blue bowl method for preparing samples, sending those to WDFW. o Janette took photos of two potential new index sites. Let Monica know if you would like to take the lead on one of the new sites. <p>No-Anchor Zones (Troy) –</p> <ul style="list-style-type: none"> o 10 buoy lines located and serviced in front of PT, 3 more to go. Next, Hadlock and Mystery Bay. Team did an excellent job – Pam steering the boat, Bryan and Gordon dove on the buoys, cleaned ropes, etc. <p>Kelp (Solenne) –</p> <ul style="list-style-type: none"> o WA State senate and house bills with the goal to conserve and restore 10,000 acres of kelp forests by 2040. o Floating kelp canopy is a new vital sign for Puget Sound, used as an indicator for the health of Puget Sound. Next workshop will be June 7th. o DNR and partners are interested in creating an understory kelp vital sign as well. NWSC/DNR are identifying data gaps. NWSC and DNR put together a kelp interactive story map (Dec 2021). Mapping bull kelp forest canopies with aerial imagery (arcgis.com) o Most MRCs have 6 years of kelp kayak survey mapping data and starting to identify long term trends, e.g., 30% 	<p>MRC members interested in leading forage fish monitoring efforts at new index sites should get in touch with Monica.</p> <p>Link to submit comments on the Kelp Bill: Washington State Legislature</p> <p>To participate in Kelp Vital Sign workshops or join mailing list, visit Kelp Canopy Vital Sign for Puget Sound (arcgis.com) Next workshop will be June 7th.</p>	

	<p>annual variation is considered within the range of natural variation. Long term trends will support vital sign data. Weather, current, and swell conditions can account for some data spikes in kelp mapping (very important to collect those data).</p> <ul style="list-style-type: none"> o DNR surveys have found that North Beach bed had highest kelp species diversity observed (more diverse than Freshwater Bay, Edmonds, Magnolia, Wing Point, Doe Kag Wats). o Tyler Cowdrey, who used drone surveys to map kelp beds with WA DNR Nearshore Habitat Program may fly drone surveys of North Beach kelp bed during summer survey season 2022. o Proposal to do linear extent surveys of North Beach kelp bed in motorized boats in 2022. <p>Mapping lost crab pots (Jeff) –</p> <ul style="list-style-type: none"> o ROV project: in the process of preparing to remove pots this spring. Trialing different ways to survey. 1) ROV with search protocols, 2) using data from side scan sonar survey, 3) high-resolution fish finders that do side scanning (depths might prohibit this method). If anyone has access to a fish finder, reach out to Jeff. o Working on getting permit approval from WDFW to remove pots: scientific collection permit needed along with removal project plans. o Kara – Quileute/Quinault Tribes worked with consultant to do a lost gear retrieval project, paid tribal fishermen to use their boats through a NOAA marine debris grant. Might be a good resource to learn how they did it. <p>Storm surge monitoring (Jeff) –</p> <ul style="list-style-type: none"> o Outgrowth of king tide project. Worked with Ian Miller at Sea Grant. Storm surge is a large data gap in climate change models, with uncertainties around modeling predictions. o One project – index sites, Salmon Club boat ramp, look at storm surge on top of wave ride-up. o Another project – specially trained homeowners take measurement of total water level, submit photos, using MyCoast app. https://mycoast.org/wa <p>Rain Gardens (Janette) –</p> <ul style="list-style-type: none"> o Brenda and Janette assessed maintenance needs of 14 MRC co-sponsored rain gardens in PT o Rain gardens are still functional, but many are overgrown and are not percolating as well as they should. Additionally, aesthetic considerations and increased signage are important for educational outreach o Maintenance projects need hands and people with botanical knowledge; need to reach out to community, homeowners, Master Gardeners for assistance and Public Works for more technical issues. Materials (plants, mulch) will require funds. <p>Carol – whose responsibility is it to maintain the rain gardens? Group – Varies depending on location, need to clarify with Bob Simmons.</p>	<p>Jeff is looking for access to a fish finder for the crab pot removal project.</p>	
PUBLIC COMMENT	<p>Carol McCreary – Expressed appreciation for MRC members and their work leading citizen science and education efforts.</p> <p>Patrick Johnson – Interested in maritime/marine issues, MRC meetings help citizens to be better stewards of the marine environment. Also appreciates the educational outreach efforts of the MRC.</p>		
MRC Roundtable/ Announcements	<p>Joan – read document that Barbara Moore-Lewis presented at the last meeting, regarding logging at Black Point MPR development site. According to the document, 60% of timber has been removed including large trees that should have been retained if possible. Maps provided differed from EIS (sewer system placement). Water rights were not finalized and did not have an approved water plan from Dept of Health. County ordinances put in place were violated, yet nothing happened until citizens reported the developer's violations. County has not been helpful to the Port Gamble S'Klallam Tribe's numerous natural and cultural resource-related requests. It is a very large development – 257 acres, 890 condominiums, 18-hole golf course, 290 marina slips, conference facilities, etc. – that will have impacts on the Dosewallips and Duckabush estuaries. The mission as the MRC is to protect the marine environment – as a group need to advise county commissioners to follow this issue closely.</p>		

	<p>Barbara Moore-Lewis – took aerial photos of the Black Point development today and will upload to the Brinnon Group's website: http://www.brinnongroup.org/#</p> <p>Sarah – Port of PT is hosting a meeting at the Quilcene Community Center tomorrow night 5-7pm to discuss the Quilcene marina area.</p>		
ADJOURNMENT	Meeting was adjourned at 8:00pm. Next meeting will be March 1st.	Solenne moved to adjourn, seconded by Bryan. Motion passed.	



Jefferson County Marine Resources Committee

Meeting Agenda
Tues, Mar 1, 2022
6:00-8:00PM

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

Officers/Executive Committee:

Brenda Johnson, Chair
Troy McKelvey, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fisksen, NWSC Alternate

MRC Members:

Solenne Walker, District 1
Janette Mestre, District 1
Liz Hoenig Kanieski, District 1 Alt
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Heather Burns, District 3
Sarah Fisksen, District 3
Joanie Hendricks, District 3 Alt
Betsy Carlson, Envir/Conserv
Bryan DeCaterina, Env/Cons Alt
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
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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 February 2022 Minutes
- 6:08** Public Comment
- 6:10** **Guest Speakers:** Snohomish MRC (Elisa Dawson) & San Juan MRC (Frankie Robertson and Marta Green): MRC derelict vessel removal projects
- 6:50** BoCC Report (Heidi)
- 6:55** Local Government Report - Port of PT (Carol)
- 7:00** **Recent Meeting Reports & Issue Updates**
NWSC Meeting (Jeff)
- 7:05** **Administrative Updates**
Sharing resources with MRC members (Brenda)
Congressionally Directed Spending project list
MRC letters of support
Input on draft 2021 Annual Report
- 7:20** **Current and New Project Updates**
- Forage fish – Adelma (Jeff), Dabob (Sarah), Fort Townsend (Monica)
 - No-anchor zones (Troy)
 - Kelp (Solenne)
 - Olympia oysters (Neil)
 - Mapping lost crab pots (Jeff)
 - Storm surge monitoring (Jeff)
 - Education & outreach (Brenda)
 - Rain gardens (Janette)
- 7:47** Public Comment
- 7:50** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

Mar 9, 2-4pm – Fort Townsend forage fish survey (last survey of the season)

Mar 16, 1-4pm – HCCC Board of Director's [meeting](#)

Mar 17, 330-4pm – NWSI 101 [presentation](#)

Mar 22, 9-10am – Executive Committee meeting

Mar 25, 10am-12pm – NWSC monthly [meeting](#)

Mar 28, 130-2pm – MRC presentation to the BoCC

Apr 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

Virtual Zoom Meeting

March 1, 2022 Meeting Minutes

Present:

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

Absent:

Janette Mestre, District 1
 Heather Burns, District 3
 Judy Surber, City of Port Townsend
 Solenne Walker, District 1
 Liz Hoenig-Kanieski, District 1 Alt.

Guests: Allie Simpson, Elisa Dawson, Frances Robertson, Barbara Moore-Lewis

Staff: Monica Montgomery, MRC Coordinator

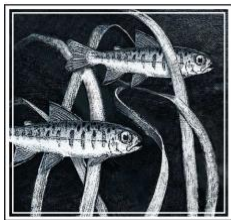
Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Chair Brenda Johnson called the meeting to order at 6:00 PM. Welcomed guests, speakers, and MRC members.	A quorum was present.	All members – please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA	Brenda asked for approval/amendments to the Agenda. Motion to approve by Troy, which was seconded by Nam. Agenda was approved.	Troy moved to approve the agenda. Nam seconded. Motion passed.	
APPROVAL OF MINUTES	Brenda asked for approval/amendments to the February 2022 Minutes. Neil moved to approve, which was seconded by Sarah. Minutes passed as written.	Neil moved to approve the February minutes. Seconded by Sarah. Motion passed.	
PUBLIC COMMENT	No public comment.		
GUEST SPEAKERS Snohomish MRC (Elisa Dawson) & San Juan MRC (Frankie Robertson and Marta Green): MRC derelict vessel removal projects	<p><u>MRC DERELICT VESSEL REMOVAL PROJECTS</u></p> <p>Snohomish MRC: Elisa Dawson</p> <ul style="list-style-type: none"> o Program background – started in 2016, funding from LIO o \$50,000 grant for planning o Over \$250,000 spent on removals since 2018 o County process: county must take legal possession of vessels and pay initial cost for removal o DNR offers 90% reimbursement of county expenditure which allows for a revolving fund to keep the program running o Removed 16 vessels since 2018 o Stakeholder meetings to identify and coordinate removal efforts o Annual boat removal process – starting 4-6 months prior to removal, a lengthy process for each vessel o Described process of contracting for boat removal (state Department of Enterprise Services or county contracting process) o Over 20 derelict vessels in Snohomish County still to be addressed o Vessels continue to show up, numbers fluctuate o Est \$1 million needed for removal o Goals: yearly large efforts with support from DNR derelict vessel removal program o Plan to focus on prevention in the future <p>San Juan MRC: Frances Robertson</p> <ul style="list-style-type: none"> o Derelict vessel program ongoing since 2010 o Different types of vessels than Snohomish County; more of an emergency response 		

	<ul style="list-style-type: none"> ○ County removes vessels at imminent risk; for example, vessels full of dangerous/polluting materials ○ Removals by year: 3 vessels in 2021, 14 vessels in 2020, 2 vessels in 2019 ○ DNR reimbursement only available if there is funding in the state budget, otherwise counties end up footing the bill ○ Counties can potentially get tied up in litigation ○ Costs ranging from ~\$16,000 to \$50,000 (from examples given during presentation) ○ Towing and ungrounding = most expensive part ○ Sinking tugboat in a privately owned marina, responsibility of marina and not the county, estimate to remove is \$400,000 <p>Derelict Vessel Prevention Program</p> <ul style="list-style-type: none"> ○ Initiated in 2015, resumed in 2021 ○ Program to patrol bays, anchorages, buoys ○ Steps to identify and tag vessels of concern ○ Document effort, vessel registration, photos ○ Establish tracking database ○ Establish contact with registered owners ○ Prioritize vessels with no successful contact ○ Attach a Notice on the vessel, follow up with boat owner ○ Sheriff's office can issue a citation if no cooperation <p>Questions/Discussion</p> <p>Brent – How does presence of fuel, pollutants accelerate the process of removal?</p> <p>Elisa – Department of Ecology is notified in this situation. Ecology is the agency responsible for removing hazardous chemicals from the vessel. Ecology bills owner of the vessel.</p> <p>Frances – Vessel assist crews can deal with small spills. Removing large amounts of fuel is the responsibility of Ecology.</p> <p>Nam – Does ability for reimbursement roll over to next biennium if not funded in current biennium?</p> <p>Elisa – Before removal, Snohomish gets approved for reimbursement by DNR. Addresses vessel removal early in the biennium to get reimbursement funds.</p> <p>Frances – More challenging in Island County because of emergency response for vessel removal.</p> <p>Jeff - How many people in the MRC are involved? Are you ever reimbursed by owners?</p> <p>Elisa – MRC members give feedback on boat removal but are not highly involved (primarily staff). Letters are sent to last known owners or sheriff finds the owners. DNR seeks restitution from last known owners, and DNR reimburses the MRC.</p> <p>Carol – 13 boats from Jeff. Co. currently in the DNR demolition program. Port staff employed to break them up; 12 demolished. Statewide discussion of how can we recycle derelict vessels, instead of breaking them up and sending to the dump? Second question regarding how to prevent people from abandoning their boats.</p> <p>Frances – If a boat is in good condition, can be auctioned off.</p> <p>Elisa – In contracts that Snohomish County writes, contractor must recycle everything they can within reason. DNR would like to do a pilot recycling program. A few years ago, state passed a law requiring insurance on all vessels at point of sale. Private marinas could require insurance for all vessels.</p> <p>Heidi – Bill moving through the legislature to allocate 25% of watercraft excise tax to derelict vessel removal, support capacity of DNR to help remove vessels. DNR is working with Sea Grant to develop a pathway for recycling boats; Troy at DNR is going to move forward with an industrial scale facility to recycle wooden boats in Everett.</p> <p>Frances – Uptick in derelict vessels in 2020 related to crisis in affordable housing. People are turning to living on boats because of lack of housing and the idea that they are a cheap housing option, not realizing the costs of owning a boat. This has led to a lot of issues and dangerous situations with boats running aground.</p> <p>Bryan – Budget for DNR? How has it changed?</p> <p>Elisa – DNR has added language to legislation each year, have continued to ask for funding for the project. DNR has always run out of money and has always asked for more. County must be willing to front the funds for these removals, and don't recoup all the funds. Lots of good press has resulted in the county's support for the program and impetus to put funds towards it.</p>		
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BoCC REPORT	<p>Commissioner Eisenhower – Update from BoCC</p> <ul style="list-style-type: none"> Tracking environmental bills moving through the legislature Shoreline Master Plan update: waiting for feedback from Ecology Department of community development has gotten several grants from Ecology: SLR project to identify areas of risk for shoreline construction; shoreline users guide for waterfront landowners and those considering building on the waterfront Strait ERN LIO: Kara facilitated her first meeting of the Strait ERN this week Infrastructure funding from fed government discussions Participating in climate change strategy workshops State forest land issues, Dabob Bay Natural Area <p>Questions</p> <p>Betsy – Can MRC provide more efficient information to commissioners?</p> <p>Heidi – Reaching out to individual commissioners is recommended.</p> <p>Gordon – Is there a reason for the delay in the Ecology update?</p> <p>Heidi – No reason was given.</p>		
Port of PT UPDATES	<p>Commissioner Hasse – Update from Port of PT</p> <ul style="list-style-type: none"> Most controversial issue right now is the poplar removal in Port Townsend. Public infrastructure grant acquired, precipitated by PUD need to underground power lines that run through the poplars. Boat Haven could expand 25 ft toward Simms Way, get rid of the fence, replant native vegetation. Some local opposition to poplar removal. Port and City are hiring an environmental engineer. Poplars could be milled and used as fencing material. Planning for feasibility study of expanding Boat Haven to the west: economic benefits, need to study environmental concerns. No shoreline impact but potential mitigation opportunities for existing wetlands. Plans to build boat yard at higher elevation because of potential SLR effects. 3 shipwrecks on beaches this year. Point Hudson Jetty – Section 7 for ESA compliance completed, received NEPA approval and Biological Opinion. North Jetty will be constructed first. When South jetty replaced, the basalt rocks that make up the jetty may be dropped into the bay near the Maritime Center; deep enough that it won't restrict vessels. Hope to create a reef for rockfish, other bottom fish etc. <p>Questions/Discussion</p> <p>Gordon – Permit will be needed to move rocks (considered fill).</p> <p>Carol – Erin is working on rock moving. Aware it requires another permit. Diving community may move sessile creatures.</p> <p>Nam - Regarding Gordon's question, depends on agency consulted, at local, state, federal levels. May be wrapped up in one permit, because rock reef is mitigation for project's impact to bottom fish. Suggest Port reaches out to WA Scuba Alliance, divers who have expressed interest in the past and have experience relocating sessile organisms.</p> <p>Jeff – How long have there been plans for expanding into wetlands to the west of Boat Haven?</p> <p>Carol – New idea, first heard about this last fall. At this point it's just a feasibility study. Wetlands are a large concern, can't be sacrificed for economic expansion unless there is some way to do proper mitigation. Port is committed to protecting the environment.</p>		
RECENT MEETING REPORTS AND ISSUE UPDATES	<p>NWSC Meeting (Jeff) –</p> <ul style="list-style-type: none"> Science Advisory Committee – REEF program Executive Director presented about citizen science scuba diving program. Before and after data of jetty removal would be interesting. Large database of changes over time. Annual NWSI Conference will be in La Conner, November 18-19. In person meeting this year. European Green Crab – more interest to conducting surveys in various areas. Sea Grant is looking for volunteers. 		
Administrative	<p>Brenda: Information is disseminated to MRC members through distribution list. Check-in: continue to distribute information this way? Feedback?</p>		

	<p>Betsy – More likely to read something if it is sent via email. Several other members agree with this.</p> <p>Jeff – Several years ago, people objected to receiving lots of emails. MRC members are not supposed to comment on things or have discussions via email.</p> <p>Brenda – Proposes to keep this method and check in again.</p> <p>Monica – Federal budget approval with the congressionally directed spending funding has been postponed. Prioritization process will need to happen.</p> <p>Brenda – Process for submitting letters of support on behalf of the MRC</p> <p>Heidi – Understands the concern that there is short turnaround time. When there is time and MRC works as a group, get on the BoCC agenda the following week. Ideally a letter is on county letterhead and signed by commissioners. If lack of time, letter from MRC signed by the chair or staff, and share with the BoCC.</p> <p>Neil – Letter of concern regarding Navy activities on state parks was very strong with collaboration of MRC and county commissioners. Intergovernmental comments should go through commissioners. Separately, a lot of work to draft letters jointly between MRC and county, but they are effective especially when signed by county commissioners (example: grant for Jamestown Tribe's kelp restoration plans).</p> <p>Monica – Solicitation for input regarding annual report. Comments are welcomed, possibly another opportunity for comments during April monthly meeting if members are interested (report due mid-April). Located in Google Drive and emailed to MRC members.</p>	<p>MRC members, email Monica with comments or feedback on the annual MRC report.</p>	
CURRENT & UPCOMING PROJECTS	<p>Forage Fish Monitoring –</p> <p>Jeff – Sampled Adelma Beach yesterday.</p> <p>Sarah – Sampled Dabob on February 16th, next date March 22nd.</p> <p>Monica – Sampled Fort Townsend SP on February 21st and March 9th will be last sampling date for the season.</p> <p>Kate Olsen will be new coordinator for the MRC forage fish monitoring program.</p> <p>No-Anchor Zones (Troy) – More clean-up and buoy installations planned for next month.</p> <p>Olympia Oysters – (Neil)</p> <p>PSRF survey of Olympia oyster densities on navy base, west side of Kilisut Harbor, last year. Plans to survey on Marrowstone Island this summer. Looking for beach access through private property in July.</p> <p>Monica – Permits for tideland work in Discovery Bay moving along.</p> <p>Mapping lost crab pots (Jeff) – Side scan sonar program for mapping lost crab pots, up to 100ft. East Jefferson anglers may be interested, will meet with group next week to seek volunteers.</p> <p>Monica – Edits to contract approved by county attorney. Will be forwarded to BoCC. May be out in late May, early June removing some crab pots.</p> <p>Storm surge monitoring (Jeff) – Nothing to report.</p> <p>Rain Gardens (Monica) –</p> <p>Maintenance needs were shared at the last meeting. Rain garden work party, meeting at 10 am, March 18th at Franklin & Adams Street in Port Townsend.</p> <p>Education and Outreach – (Brenda)</p> <p>Team met yesterday to come up with a spending plan in 2022. New ideas for tabling events. Asked by the Forever Streamfest, sponsored by garden club in Port Angeles, whether MRC wants to host a table in June. Funds have been spent on targeted advertisements in the past several years. Came up with a list of digital advertising sources to investigate. Looking at which interpretive signs need maintenance, replacement, relocation, resizing.</p> <p>Has the MRC tabled at any of the farmer's markets?</p> <p>Brenda – No tabling has been done at farmer's market.</p>	<p>Contact Neil if you know landowners on Marrowstone Island (west shoreline) that may be able to provide beach access for Olympia oyster surveys in July 2022.</p> <p>Volunteers needed for a rain garden work party, 10am on March 18th at Franklin & Adams St, Port Townsend.</p>	

PUBLIC COMMENT	Betsy – Marine Science Center event tomorrow to celebrate opening of space at Flagship Landing. It will take a while for PTMSC to fully move into the space, current businesses are staying for the time being. Hired a new Executive Director.		
MRC Roundtable/ Announcements	No announcements.		
ADJOURNMENT	Meeting was adjourned at 8:00PM. Next meeting will be April 5 th .	Gordon moved to adjourn, seconded by Betsy. Motion passed.	



Jefferson County Marine Resources Committee

Meeting Agenda
Tues, Apr 5, 2022
6:00-8:00PM

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

Officers/Executive Committee:

Brenda Johnson, Chair
Troy McKelvey, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fiskén, NWSC Alternate

MRC Members:

Solenne Walker, District 1
Janette Mestre, District 1
Liz Hoenig Kanieski, District 1 Alt
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Heather Burns, District 3
Sarah Fiskén, District 3
Joanie Hendricks, District 3 Alt
Betsy Carlson, Envir/Conserv
Bryan DeCaterina, Env/Cons Alt
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 March 2022 Minutes
- 6:08** Public Comment
- 6:10** **Guest Speaker – Lisa Hillier, WDFW forage fish index sites**
- 6:50** BoCC Report (Heidi)
- 6:55** Port of PT Report (Carol)
- 7:00** MRC Letter of Support: Plankton Public Art (Brenda)
- 7:10** **Recent Meeting Reports & Issue Updates**
NWSC Meeting (Jeff)
- 7:15** **Administrative Updates**
Congressionally Directed Spending
- 7:20** **Current and New Project Updates**
- Forage fish – Adelma (Jeff), Dabob (Sarah), Fort Townsend (Monica)
 - No-anchor zones (Troy)
 - Kelp (Solenne)
 - Olympia oysters (Neil)
 - Mapping lost crab pots (Jeff)
 - Education & outreach (Brenda)
 - Rain gardens (Janette)
 - Shoreline landowner outreach (Sarah)
- 7:47** Public Comment
- 7:50** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

Apr 14, 3-5pm – NWSI kelp season kickoff

Apr 19, 9-10am – Executive Committee meeting

Apr 20, 1-4pm – HCCC Board of Director's [meeting](#)

Apr 22, 10am-12pm – NWSC monthly [meeting](#)

Apr 26-28 – Salish Sea Ecosystem (Virtual) [Conference](#)

May 3, 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 5, 2022 Meeting Minutes

Present:

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

Absent:

Heather Burns, District 3
 Judy Surber, City of Port Townsend
 Nam Siu, Marine Science
 Carol Hasse, Port of Port Townsend
 Liz Hoenig-Kanieski, District 1 Alt.

Guests: Lisa Hillier, Kate Olson, Pam Petranek,
 Barbara Moore-Lewis

Staff: Monica Montgomery, MRC Coordinator

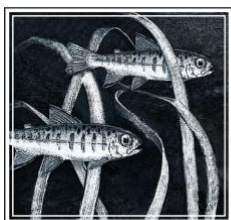
Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Chair Brenda Johnson called the meeting to order at 6:00 PM. Welcomed guests, speakers, and MRC members.	A quorum was present.	All members – please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA APPROVAL OF MINUTES	Brenda noted that Pam Petranek is attending this meeting instead of Carol Hasse and will be giving the Port update. Brenda asked for approval/amendments to the agenda. Motion to approve by Neil, which was seconded by Gordon. Agenda was approved. Brenda asked for approval/amendments to the March 2022 Minutes. Betsy moved to approve, which was seconded by Troy. Minutes passed as written.	Neil moved to approve the agenda. Gordon seconded. Motion passed. Betsy moved to approve the March minutes. Seconded by Troy. Motion passed.	
PUBLIC COMMENT	No public comment.		
GUEST SPEAKERS Lisa Hillier and Kate Olson: WDFW Forage fish index sites	WDFW FORAGE FISH INDEX SITES What are forage fish? <ul style="list-style-type: none">o ecological group (not genetic), also called bait fisho small, highly fecund, schooling fish in the middle of the food webo vital link between primary producers and higher trophic level consumerso indicator species of ecosystem healtho commercial, recreational, cultural importanceo high natural variability in abundance, in response to ocean conditionso linked to bird declines in WA state – birds that dive and forage for fish in the Salish Sea are 11 times more likely to experience population declines than other birds in the area, e.g., Western grebe Challenges for forage fish <ul style="list-style-type: none">o climate changeo overfishing, bycatch (schooling species are easier to overfish)o poor water quality (contaminants)o degraded habitat Common marine forage fish of WA State <ul style="list-style-type: none">o pelagic spawners (anchovy, sardine, mackerel)o anadromous spawners (eulachon, long fin smelt)o nearshore spawners (surf smelt, sand lance, herring)		

	<p>Forage fish study methods</p> <ul style="list-style-type: none"> o fishery dependent – catch per unit effort (CPUE) o abundance estimates based on fishing effort o fishery independent methods <p><u>Pelagic species</u></p> <p>Acoustic trawl surveys</p> <ul style="list-style-type: none"> o anchovy and sardine spawn multiple times in their life, eggs drift and hatch 2-4 days after spawning o outer coast species; Pacific sardine o anchovy occurs on outer coast and in Puget Sound o temperature driven population fluctuations o transects of acoustic surveys conducted from nearshore to pelagic waters from BC to Mexico o areas of high fish density are detected by acoustic surveys o net collects fish in schools, fish are collected and measured/sexed o continuous underway fish egg sampler – continuously samples water, gives real time ichthyoplankton data <p>Puget Sound Ichthyoplankton surveys for anchovy</p> <ul style="list-style-type: none"> o sites within Puget Sound o ichthyoplankton samples collected using a vertical net, collected, and analyzed by WDFW/WCC o correlations between higher anchovy abundance (from beach seine data) and Nisqually higher steelhead smolt survival (NOAA) <p><u>Nearshore Species</u></p> <ul style="list-style-type: none"> o herring are lowest subtidal spawners, spawning on subtidal vegetation o sand lance prefer lower intertidal sandy substrate o surf smelt prefer upper intertidal sand-gravel substrate <p>Herring Spawning stocks</p> <ul style="list-style-type: none"> o 21 stocks which spawn at discrete times/locations, January-April but some stocks spawn into June o three genetic groups in Puget Sound (Cherry Point, Squaxin Pass, Other Stocks) o WDFW herring egg surveys use a rake to collect vegetation that herring spawn on o egg densities on vegetation and area covered by spawn are used to estimate biomass o Cherry Point Stock, once most abundant, since the 1970s has declined by >95% o Hood Canal has driven most of the Other Stocks abundance since the early 2000s o commercial fishery targets sub-adult herring for bait market <p>Surf Smelt & Sand Lance</p> <ul style="list-style-type: none"> o risks to nearshore forage fish habitat from development (habitat loss, loss of riparian cover, changes to sediment supply) o beach surveys conducted to monitor spawning (Washington Conservation Corps process the samples collected by WDFW and MRCs) o samples are collected, the sample is reduced, “blue bowl” method used to extract eggs from samples instead of winnowing o 2 eggs or more in a sample are considered a spawning event o recreational smelt fishery: effort is unknown; new license requirement as of 2019 o creel survey developed in 2020 (did not happen due to pandemic) <p>Jefferson MRC Data Trends</p> <ul style="list-style-type: none"> o Siri's Cove and Adelma Beach are current sampling locations o October, November, December are the spawning months for these locations o data is used in the WDFW Forage Fish Habitat Map o used by Habitat Program HPAs (hydraulic permit application) o data used to lessen impact to spawning forage fish and eggs <p>Questions & Discussion</p> <p>Brent: Squaxin herring stock is small but looks stable. What actions are being taken to protect this distinct stock from the fishery?</p> <p>Lisa: Squaxin population is distinct based on timing. Commercial fishery is small portion of total abundance and is limited.</p>		
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	<p>Kate: Squaxin – spawning occurs mid-February through May. Don't know where adult fish are when they are not spawning, trying to target this with acoustic surveys. Furthest south that fishing occurs is Tacoma Narrows so likely not impacting Squaxin stock.</p> <p>Jeff: Is there productivity information for any of the beaches surveyed by JeffMRC? We have not seen mature eggs in the samples we used to analyze.</p> <p>Lisa: Eggs are staged, which gives an idea of how many spawning events have occurred. Data on egg staging is not shared by DFW in database.</p> <p>Jeff: Are the missing months from Jefferson MRC sites not received or not processed?</p> <p>Lisa: The samples have not been received.</p> <p>Betsy: Long tailed ducks, western grebe declines – caused by the decline in fish?</p> <p>Lisa: Speculation that it is connected to food supply but could have to do with warmer temperatures or movement. Many of these birds rely on forage fish for their food source and they may be going somewhere else to find food. Bird numbers have declined and so have fish (correlation, not causation).</p> <p>Bryan: Herring spawn – are there certain species of vegetation that herring prefer to spawn on?</p> <p>Kate: Sargassum is a preferred vegetation for spawn, allows for dense and aerated spawn. This year has been a large spawning event; four new areas with detected spawn, spawn all around Bainbridge Island.</p> <p>Joan: How long does it take for nearshore species' eggs to hatch after spawn? Early spawn this year for some herring?</p> <p>Lisa: Hatching is temperature dependent and affected by other environmental conditions; in general, a couple of weeks.</p> <p>Kate: Spawn has been a little later than normal. Port Orchard/Port Madison stock was a week later this year than last year.</p> <p>Solenne: DFW considerations for setting restrictions on fisheries to let populations rebound?</p> <p>Lisa: Harvest targets are extremely low for herring and smelt. Fisheries don't take full allotment each year (small bait fishery). No concerns for Puget Sound populations.</p> <p>Heidi: Spawn rates in other regions on the west coast?</p> <p>Kate: Forage fish are boom and bust species; large fluctuations in populations. Overall decline in Puget Sound. Hard to compare surveys to other states using different methods. Have not heard reports from other areas.</p> <p>Monica: Approval of proposed sites for additional index stations for the MRC to monitor?</p> <p>Lisa: There was recent concern from WDFW that WCC would not be funded. WCC has been funded by the legislature; more permanent funding will allow us to look for other index stations. Need to assess whether this will improve information that we are gaining from the project.</p>		
BoCC REPORT	<p>Commissioner Eisenhower – Update from BoCC Pleasant Harbor Master Planned Resort</p> <ul style="list-style-type: none"> o Back fees were owed to the county by the developer o Negotiated settlement with the developer o Paid half of the back fees, in the process of paying settlement <p>Shoreline Master Program</p> <ul style="list-style-type: none"> o Waiting to hear from DOE <p>Septage – septic solid waste</p> <ul style="list-style-type: none"> o Reaching capacity with county disposal, city of Port Townsend sewer system o Looking into a septage capacity study with city o Sewer outfall concerns <p>Save our Wild Salmon event this Friday at Finnrivier Cidery, 5 pm</p>		
Port of PT UPDATES	<p>Commissioner Petranek – Update from Port of PT</p> <ul style="list-style-type: none"> o Simms gateway project – Port and PUD working to make sure PUD can take care of powerlines and the Port can expand 10 ft into their property 	<p>Sims Gateway and Boatyard Expansion Project City of Port Townsend Washington (cityofpt.us)</p>	

	<ul style="list-style-type: none"> o Better park and ride to downtown corridor to improve walkability o Public engagement process is outlined on city website <p>Gardiner boat ramp</p> <ul style="list-style-type: none"> o Funding to replace o Community meeting will be held to engage Gardiner community <p>Quilcene community planning process</p> <ul style="list-style-type: none"> o Next meeting May 3rd o No desire from community to increase tourism; community is small, and tourism would have a large impact o Desire to fix what is there, make it work well for existing community <p>Point Hudson Jetty</p> <ul style="list-style-type: none"> o Close to having all permits o Going out to bid for a contractor next month o Plan to start first phase this fall <p>Pump out program funding for portable pump out boat service</p> <p>Port has started in person meetings</p> <ul style="list-style-type: none"> o PT Yacht Club o Point Hudson pavilion building starting in May (old pygmy kayak building) <p>Questions Solenne: What area will pump out boat service? Pam: All of Port Townsend Bay. Will take existing boat used to do no anchor zone buoys, add a portable pump out, navigate to any boats.</p> <p>Betsy: Visitor to Marine Science Center mentioned a "historic" wooden boat used to capture orcas in the 1970s at the port, slated to be demolished? Pam: Have not heard about this, will look into it.</p>		
RECENT MEETING REPORTS AND ISSUE UPDATES	<p>NWSC Update (Jeff) –</p> <ul style="list-style-type: none"> o Funding has been authorized by legislature – a good year to come forward with an MRC project o Talk of hybrid meetings – how to handle in person? OWL system for meetings o Forage fish training will be in Port Townsend this summer, July or August <p>Monica</p> <ul style="list-style-type: none"> o NOAA will be the federal agency overseeing funding o Uncertain but anticipating funds to be distributed as early as August, will be available for one year o Next meeting should be used to confirm projects on the MRC's list o MRC members can think about multi-year projects (new projects or expanding existing projects) 	MRC members should think about projects they would like to pursue with the recently authorized funding.	
Administrative	<p>Plankton Public Art Letter of Support (Brenda) – Plankton sculpture loan to City of PT, artist Rebecca Welti Proposal will go to the Arts Commission tomorrow MRC could publicly support this proposal. Pacific Crab Research Group will support the proposal, will send a letter of support to Arts Commission with or without MRC support. Signing the letter will constitute acknowledgement of the proposal and support for it, no commitment from the MRC.</p> <p>Discussion Betsy: Hopes there will be information about the importance of plankton and an explanation of what the sculpture represents.</p> <p>Pam: It would be very valuable to have meaningful artwork in Port Townsend, especially maritime/marine related.</p> <p>Neil: Fully in support of the proposal. Would be happy to see plankton art and interpretation.</p> <p>Heidi: Lots of great artists in the community. It would be great to see maritime themed art in the community.</p> <p>MRC members agree to sending the letter of support.</p> <p>Neil moved the MRC to approve Brenda signing the letter of support in favor of the plankton sculpture by Rebecca Welti. Seconded by Troy.</p>	Neil moved to approve signing the letter of support. Troy seconded. Motion passed.	

CURRENT & UPCOMING PROJECTS	<p>Forage Fish Monitoring – Jeff – Need to investigate why samples have not been delivered to WDFW. Sarah – Sampled a few weeks ago on Dabob Bay. Would like to add an index site south of current sampling location. Monica – Port Townsend sampled on March 9th, end of season. 7 years of monitoring this location.</p> <p>No-Anchor Zones (Troy) – Nothing done in March, but hopefully more diving will be done in this next month.</p> <p>Kelp Monitoring (Solenne) - Meetings have just begun since survey season is in the summer. Another meeting on the 20th 6 – 7:30 pm, to focus on Jefferson County kelp survey and data collection and review North Beach data. NWSC kelp meeting on April 14th, 3 – 5 pm. Will cover surveys and safety to prepare for upcoming survey season. Survey dates for the summer have been established. Reach out to Solenne if you want to join the meeting or want the survey schedule.</p> <p>DNR recently established the first kelp and eelgrass protection zone, near the mouth of the Snohomish River. Protection from lease or development for at least 50 years.</p> <p>Looking into proposal to establish a kelp and eelgrass protection zone from North Beach to McCurdy Point. Protection Island Aquatic Reserve provides partial protection for this area.</p> <p>Olympia Oysters – (Neil) Monica has completed permitting, to expand current site to include the big section south of the powerlines in Discovery Bay. Just waiting on final approval from DNR. Olympia oyster subcommittee meeting – schedule with Monica. Population surveys will be done before shell is added.</p> <p>Swinomish tribal community – study looking at epibenthic invertebrates, invertebrate sampling on Olympia oyster bed and adjacent mudflat. Discovery Bay lagoon site was sampled (Sequim Bay was not possible for logistical reasons). Looking at what forage is available for young salmon out-migrating on these oyster beds compared to mudflats?</p> <p>Kilisnoet Harbor – Want to survey Marrowstone Island side of Kilisnoet Harbor. Figuring out access issues for beach surveys.</p> <p>Solenne: Reach out if you need to know property ownership for different areas or parcels.</p> <p>Mapping lost crab pots (Jeff) – Signed contract ready to go for sonar surveys. Volunteer anglers lined up to test out methods using fish finders. Most activity will be scheduled for May and early June.</p> <p>Rain Gardens (Janette) – Great work party in March, half dozen people showed up to help. Good progress on maintenance needs on a few gardens in uptown PT. Next work party will be April 29th. Looking for community volunteers to conduct regular maintenance of rain gardens.</p> <p>Education and Outreach – (Brenda) Tabling at Forever StreamFest, Shrimpfest, Wooden Boat Festival, and waiting on vendor application approval from Crabfest. Inventorying interpretive signs. Meeting tomorrow to go through equipment, interpretive materials to determine what is usable and what needs to be replaced. Better update next month.</p> <p>Shoreline Landowner Outreach – (Sarah) NWSF planning to hold a workshop in Jefferson County in May. Considering adding Clallam County.</p>	<p>NWSC kelp meeting April 14th, 3-5 pm.</p> <p>Next kelp meeting via zoom, April 20th, 6-7:30 pm.</p> <p>First kelp kayak survey will be on June 24th, 8-12.</p> <p>Contact Solenne or Monica for details.</p> <p>Commissioner Franz Establishes State's First "Protection Zone" for Kelp and Eelgrass WA - DNR</p> <p>Next rain garden work party on April 29th, 10-3. Port Townsend Rain Garden Workparty Tickets, Fri, Apr 29, 2022 at 10:00 AM Eventbrite</p>	
PUBLIC COMMENT	No public comment.		
MRC Roundtable/ Announcements	<p>Betsy: New Executive Director starting soon at PTMSC.</p> <p>Solenne: Navy proposal to train in state parks has been denied.</p> <p>Pam: Monthly working waterfront interview, this month interviewing third generation Quilcene resident who is a commercial troller. Advocating for Snake River dam removal. Interview will air on Friday at noon on KPTZ. KPTZ Working Waterfront podcast on the website.</p>	<p>Link to KPTZ Working Waterfront Podcast Archive: https://kptz.org/podcasts/working-waterfront/</p>	
ADJOURNMENT	Meeting was adjourned at 8:01PM. Next meeting will be May 3 rd .	Janette moved to adjourn, seconded by Sarah. Motion passed.	



Jefferson County Marine Resources Committee

Meeting Agenda
Tues, May 3, 2022
6:00-8:00PM

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

Officers/Executive Committee:

Brenda Johnson, Chair
Troy McKelvey, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fisksen, NWSC Alternate

MRC Members:

Solenne Walker, District 1
Janette Mestre, District 1
Liz Hoenig Kanieski, District 1 Alt
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Heather Burns, District 3
Sarah Fisksen, District 3
Joanie Hendricks, District 3 Alt
Betsy Carlson, Envir/Conserv
Bryan DeCaterina, Env/Cons Alt
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 2022 Minutes
- 6:08** Public Comment
- 6:10** **Discussion**
Congressionally Directed Spending-funded projects
- 7:00** BoCC Report (Heidi)
- 7:05** **Recent Meeting Reports & Issue Updates**
NWSC Meeting (Jeff)
- 7:10** **Administrative Updates**
Hybrid/in-person meetings and locations
- 7:20** **Current and New Project Updates**
 - Forage fish – Adelma (Jeff), Dabob (Sarah)
 - No-anchor zones (Troy)
 - Kelp (Solenne)
 - Olympia oysters (Neil)
 - Mapping lost crab pots (Jeff)
 - Education & outreach (Brenda)
 - Rain gardens (Janette)
 - Shoreline landowner outreach (Sarah)
 - Crabber outreach (Roy)
- 7:47** Public Comment
- 7:50** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

May 6, 9am-2pm – Strait ERN LIO [meeting](#)
May 11, 2-3pm – 2022 Puget Sound Day on the Hill Livestream ([register here](#))
May 18, 1-4pm – HCCC Board of Director's [meeting](#)
May 19, 10am-3pm – Olympia oyster monitoring at Discovery Bay
May 24, 9-10am – Executive Committee meeting
May 24, *TBD* – Shoreline landowner outreach workshop
May 25, 6-730pm – Kelp subcommittee meeting (kayak gear and safety)
May 27, 10am-12pm – NWSC monthly [meeting](#)
May 28-29, 10am-6pm – [Shrimpfest](#) (Brinnon)
June 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

Virtual Zoom Meeting

May 3, 2022 Meeting Minutes

Present:

Brenda Johnson, Chair, District 2
 Troy McKelvey, Vice Chair, Recreation
 Neil Harrington, Tribal
 Jeff Taylor, District 2, NWSC Rep.
 Frank Handler, District 2 Alt.
 Betsy Carlson, Envir/Conserv
 Gordon King, Commercial Interest
 Roy Clark, Recreation Alt.
 Brent Vadopalas, Marine Sci Alt
 Sarah Fiskens, District 3, NWSC Alt.
 Bryan DeCaterina, Env/Conserv Alt.
 Solenne Walker, District 1
 Janette Mestre, District 1
 Joanie Hendricks, District 3 Alt
 Liz Hoenig-Kanieski, District 1 Alt.
 Heather Burns, District 3
 Heidi Eisenhour, *ex officio*, BoCC District 2

Absent:

Judy Surber, City of Port Townsend
 Nam Siu, Marine Science
 Carol Hasse, Port of Port Townsend

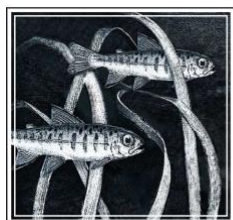
Guests: Amy Wilcox, Lucas Hart, Bee Redfield,
 Kara Cardinal, Dana Oster

Staff: Monica Montgomery, MRC Coordinator

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Chair Brenda Johnson called the meeting to order at 6:00 PM. 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	Brenda noted that Carol Hasse will not be in attendance. Brenda asked for approval/amendments to the agenda. Motion to approve by Troy, which was seconded by Solenne. Agenda was approved. Brenda asked for approval/amendments to the March 2022 Minutes. Neil moved to approve, which was seconded by Betsy. Minutes passed as written.	Troy moved to approve the agenda. Solenne seconded. Motion passed. Neil moved to approve the March minutes. Seconded by Betsy. Motion passed.	
PUBLIC COMMENT	No public comment.		
DISCUSSION Congressionally Directed Spending-funded projects	Group Discussion: Congressionally Directed Spending Lucas: There is opportunity for funds beyond \$200,000 if needed, MRC should reach out to NWSC Brenda: Are there additional projects members would like to add? Note project prioritization criteria (including is there an MRC lead, existing and future funding opportunities, project capacity, and five ranking criteria) Solenne: Additional funding for education and outreach is needed. Outreach for the derelict vessel program is important. Monica: Possible internship opportunities - Intern for derelict vessel outreach, intern for storm surge monitoring, and intern for ROV survey work for mapping lost crab pots. Jeff: Storm surge project – National weather service contacted emergency prep in Port Townsend, want to develop warning for flooding conditions using storm surge monitoring and predicted tides. Forwarded to Steve King, Public Works. NWS is going to add wave run-up to their forecasting. Total water level is based on tides, storm surge and wave runup. Tides are predictable, there are models that estimate storm surge based on atmospheric pressure, but		

	<p>wave runup is site specific. We are using a site near the tide gauge in Port Townsend to get a better estimate of what the total water level, and flooding risk will be during storms. An intern for this project would have the responsibility of making the data more accessible. Open to being a mentor to interns for storm surge monitoring and crab pot removal.</p> <p>Solenne: The internship for DVRP should be changed to boater outreach and education.</p> <p>Janette: Would like to work with/support marinas to identify boats before they become derelict. This could be part of the outreach and education.</p> <p>Funding for education and outreach for the rain gardens (signage) would be valuable to include.</p> <p>Betsy: Derelict vessel prevention should be added to intern for boater outreach and education.</p> <p>Liz: Another task for an intern – using MRC eelgrass dataset to create usable maps accessible to the public.</p> <p>Heather: Would be happy to do some preliminary research; need to decide what level of detail to include.</p> <p>Dana: Sound IQ is a mapping tool to share MRC data publicly.</p> <p>Neil: Potential larger project for the entire Northwest Straits. Could also be useful for boater education.</p> <p>Monica: Another eelgrass survey is being contracted in PT Bay but there is not funding allocated for analysis.</p> <p>Bryan: DNR has great eelgrass maps for Puget Sound. Good place to look for eelgrass presence/absence mapping.</p> <p>Dana: Described social marketing campaign NWSC. Lots of opportunities for collaboration.</p> <p>Derelict vessel removal program discussion</p> <p>Solenne: Estimate of \$50,000 for seven vessels that were identified for removal.</p> <p>Lucas: Federal funds would not be reimbursable through DNR derelict vessel removal program. Funds could still be used to remove derelict vessels, just don't expect reimbursement. It would be a good idea to reach out to DNR directly about these vessels.</p> <p>Solenne: Showed map of Jefferson County outline with derelict vessel GPS locations. All 35 ft or less. Seven vessels from Pleasant Harbor to Port Townsend Bay. Three in Port Townsend Bay, one Indian Island, one in Mats Mats Bay. Two vessels indicated by the Port for removal. Several on the Coyle. Explained the laws that would need to be followed for vessels aground (e.g., vessel tagging and vessel owner notification, 30 days prior to removal). Vessels that are sunk can be put on the list for removal and removed from the water. Need to be held for 30 days before disposal. Logistical issues - where do the vessels go? Suggests boater outreach that promotes and shares info on insurance, registration, boater education card, safe anchoring and no anchor zones, aquatic land rules.</p>	<p>Link to Friends of the San Juans "Green Boating" resource: Green boating - Friends of the San Juans</p> <p>Link to Sound IQ: Our Work SoundIQ Mapping the Sound (nwstraits.org)</p> <p>Link to DNR Eelgrass Maps: Puget Sound Eelgrass Monitoring Data Viewer WA - DNR</p>	
BoCC REPORT	<p>Commissioner Eisenhour – Update from BoCC</p> <ul style="list-style-type: none"> ○ Started role as statewide shoreline hearings board member, as well as an alternate ○ Septage capacity – septic solids are an issue, locally, regionally, and statewide <ul style="list-style-type: none"> ○ Do not have adequate facilities to dispose of solids coming out of septic systems ○ Certain counties have relied on municipal partners to use their wastewater treatment plant to process septage, but those systems are nearing capacity ○ Working with DOE (Ecology) ○ State forest land: DNR talking about updating old growth policies ○ Crafting other policies around carbon ○ Working on Dabob Bay NA expansion ○ State trust land transfer work group 		

	<p>25th; Wooden Boat Festival (PT), Sep 9-11th; and Crabfest (PA) October 7-9th</p> <ul style="list-style-type: none"> Continuation of speaker series in June – Emily Buckner (PSRF, Larval Crab Monitoring) will be the speaker, followed by in-person demonstration with crab larvae traps (evening talk followed by morning demonstration) <p>Shoreline Landowner Outreach – (Sarah)</p> <ul style="list-style-type: none"> NWSF and MRC is hosting a Shoreline Landowner Outreach workshop, May 24th 10-1:30. Beach walk after class at East Beach on Marrowstone Island. Free to the public. Presenters from Blue Coast Engineering. <p>Potential site visits on June 15th in Quilcene if landowners are interested/willing. Bulkheaded shoreline properties.</p> <p>Crabber Outreach – (Roy)</p> <p>Subcommittee meeting on May 11th, distributing materials and crabber workshop. This will potentially be in-person. NWSF, WDFW, Liz Tobin, and Troy will be presenting.</p>		
PUBLIC COMMENT	Barbara M-L: On May 25 th , Hood Canal Environmental Council is going to review water quality monitoring grant from Brinnon Group. WQ monitoring in Duckabush. Data includes some from Port Gamble; Paul McCollum (PGST NR Director) will be at presentation.		
MRC Roundtable/ Announcements	None.		
ADJOURNMENT	Meeting was adjourned at 7:58PM. Next meeting will be June 7 th .	Gordon moved to adjourn, seconded by Sarah. Motion passed.	



Jefferson County Marine Resources Committee

Meeting Agenda
Tues, June 7, 2022
6:00-8:00PM

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

Officers/Executive Committee:

Brenda Johnson, Chair
Troy McKelvey, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fisksen, NWSC Alternate

MRC Members:

Solenne Walker, District 1
Janette Mestre, District 1
Liz Hoenig Kanieski, District 1 Alt
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Heather Burns, District 3
Sarah Fisksen, District 3
Joanie Hendricks, District 3 Alt
Betsy Carlson, Envir/Conserv
Bryan DeCaterina, Env/Cons Alt
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
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 - Crabber outreach (Roy)
- 7:47** Public Comment
- 7:50** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

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

June 17, 10am-3pm – Olympia oyster workday spreading shell at the Lagoon Site

June 21, 9-10am – Executive Committee meeting

June 21, 7-8pm – PTMSC-MRC virtual speaker event: Emily Buckner, PCRG

June 22, 10-1130am – PTMSC-MRC in-person event: Emily Buckner, light trap activity

June 23, 6-8pm – Crabbing 101 workshop ([register here](#))

June 24, 10am-12pm – NWSC monthly [meeting](#)

June 24 (or 25), 8am-12pm – Kelp survey at North Beach

June 25, 9am-3:30pm – Forever Streamfest

July – No MRC 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

June 7, 2022 Meeting Minutes

Present:

Troy McKelvey, Vice Chair, Recreation
 Neil Harrington, Tribal
 Jeff Taylor, District 2, NWSC Rep.
 Betsy Carlson, Envir/Conserv
 Gordon King, Commercial Interest
 Sarah Fiskens, District 3, NWSC Alt.
 Bryan DeCaterina, Env/Conserv Alt.
 Janette Mestre, District 1
 Joanie Hendricks, District 3 Alt
 Heidi Eisenhour, *ex officio*, BoCC District 2

Absent:

Judy Surber, City of Port Townsend
 Nam Siu, Marine Science
 Carol Hasse, Port of Port Townsend
 Heather Burns, District 3
 Liz Hoenig-Kanieski, District 1 Alt.
 Roy Clark, Recreation Alt.
 Brent Vadopalas, Marine Sci Alt
 Frank Handler, District 2 Alt.
 Brenda Johnson, Chair, District 2
 Solenne Walker, District 1

Guests: Barbara Moore-Lewis

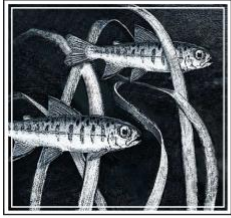
Staff: Monica Montgomery, MRC Coordinator
 Bob Simmons, WSU Staff

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Vice Chair Troy McKelvey called the meeting to order at 6:00 PM. 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 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 May 2022 Minutes. Jeff had a correction to the storm surge notes from the last meeting. Related to total water level: Sum of tidal level, storm surge based on pressure, and how much wave ride-up adds to that. Janette moved to approve with corrections, which was seconded by Joan. Minutes passed with corrections.	Janette moved to approve the May minutes with corrections. Seconded by Joan. Motion passed.	
PUBLIC COMMENT	No public comment.		
DISCUSSION Congressionally Directed Spending-funded projects	<p>Group Discussion: Congressionally Directed Spending Lots of interest and discussion in the past about a derelict vessel removal project, but so far no one has expressed interest in taking on a Project Lead role. Skipped discussion of derelict vessels for now and discussed the rest of the projects list.</p> <p>Staff Support – one or two part time fellows, \$20/hr for 20 hrs/week for 6 months or 40 hrs/week for 3 months to help with general admin support, community outreach, data management, project assistance, etc.</p> <p>Bob: New projects will need a lot of administrative time and assistance.</p> <p>Janette: Monica fills in for positions where there is a lack of MRC volunteers; if there were a funded fellow, they could fill in those gaps.</p> <p>Everyone is in support of using funds for a fellow(s).</p> <p>Internships – 1 intern for crabber outreach, 1 for rain gardens, 1 boater outreach/education, 1 storm surge monitoring, 1 ROV surveys. \$18/hour for 20 hrs/week for 3 months each. Timing of internships will vary depending on the project. Discussion of age requirement for interns, difficulty finding interns unless they are local due to housing shortages, and the possibility of creating hybrid or remote internships. After discussing, everyone decided to remove the internship for developing a boater outreach/education project. Everyone is in support of using funds for 4 internships.</p>		

	<p>Rain Gardens – Decision to allocate \$1000 anticipating material cost increases for signage. Should include funds for replacing plants and mulch in already established rain gardens.</p> <p>Olympia Oysters – Estimate of \$50-80k for cultch and contract work to spread up to 100 cubic yards.</p> <p>Gordon: Need to ask the Port what kind of barges are available; transport is the expensive part of the process.</p> <p>No-Anchor Zones – Discussion of decommissioning the Mystery Bay buoy field as it's quite a large effort to get out and regularly service the Mystery Bay buoys. Will need to reach out to the Marrowstone community and review any agreements for managing the buoys. Mystery Bay is in poor condition – will need to update buoys, new ropes, anchors, etc.</p> <p>Gordon: Brenda has offered use of her boat. We should get supplies and get out there when Brenda returns.</p> <p>Bryan: Would like to add another buoy to the buoy field in Port Townsend, between the ferry terminal and boat haven.</p> <p>Monica: Will check with DNR.</p> <p>Bull Kelp Linear Extent Surveys – East Jefferson County floating kelp surveys using motorized vessels. Approved funding to reimburse volunteer boaters for fuel.</p> <p>Temperature sensor buoy at North Beach – concerns with kelp entanglement, extreme tides, and overall management.</p> <p>Education & Outreach – Approved funding for interpretive signs at PT waterfront and Fort Flagler SP, though commissioned artwork may be much more costly than estimated.</p> <p>Side Scan Sonar for Lost Crab Pots – Other locations to use side scan sonar to look for pots?</p> <p>Heidi: Kilisut Harbor, near PT paper mill, lower Hadlock, Irondale beach, Kala Point, boat launches at PT and near Ajax in Hadlock</p> <p>Bob: Quilcene and Dabob Bay.</p> <p>New project idea – monitoring PT sewer outfall near North Beach.</p> <p>Bryan: Monitoring if eutrophication is leading to growth of Ulva which is suffocating other species.</p> <p>Bob: Responsibility of the city to do this monitoring. Another potential issue is increase in epiphytes on kelp.</p>		
BoCC REPORT	<p>Commissioner Eisenhour – Update from BoCC</p> <ul style="list-style-type: none"> o Focused on forest issues for the last two months o Update on Shoreline Master Program with Ecology – submitted last fall, still waiting for response from Ecology o State Trust Land issues and intersection with marine environment in Dabob Bay. Expansion of Dabob Bay Natural Area – working on getting proposals together. Commissioner Franz is going to visit Dabob Bay Natural Area for the first time next week. o Two proposed timber sales in Jefferson County which have drawn a lot of attention, both legacy forests (naturally regenerated 80+ year old forests). Have asked DNR to pause on those timber sales/harvests. Requested pilot project for Jefferson County (carbon credit pilot project through DNR). 		
Port of PT UPDATES	None.		
RECENT MEETING REPORTS AND ISSUE UPDATES	<p>NWSC Update (Jeff) – As the pandemic continues to evolve, the in-person NW Straits Initiative conference planned for November might be changing. Executive committee is divided. Proposal to do a social gathering outside in the summer.</p> <p>Derelict vessel meeting coming up with NW Straits.</p>		

CURRENT & UPCOMING PROJECTS	<p>Forage Fish Monitoring (Jeff & Sarah) – Both sampled this month.</p> <p>No-Anchor Zones (Troy) – Three more buoys will be added in Port Townsend this month, and maybe in Hadlock.</p> <p>Kelp Monitoring (Monica) – June 24th or 25th will be the first survey date. Liability forms are needed from volunteers who want to participate in kayak surveys.</p> <p>Olympia Oysters (Neil) – Did a survey of the new parcel south of the powerlines in Discovery Bay in May. Small corner of the parcel has a little plot of oysters that have drifted south from north site. Estimated up to 20,000 oysters in the small section (600 sq m). Lots of different age classes (seeing recruitment, a good sign). Outside of that, very few Olympias. This survey set the baseline for the South Powerlines Site going forward.</p> <p>Spreading of cultch at the Lagoon Site next week (17th) will be led by Gordon. Survey on the site north of the powerlines will be July 15th.</p> <p>Mapping Lost Crab Pots (Jeff) – Side scan sonar survey conducted in two locations in Discovery Bay. Found 31 possible pots near Adelma Beach and 92 between the Cape George marina and Beckett Point. Will attempt to retrieve with an ROV next week, though anticipate challenges with visibility and navigation.</p> <p>Rain Gardens (Bob) – Looking for a new rain garden site before the end of September. Contact Bob if you have a good location in mind.</p> <p>Education and Outreach (Joan) – Tabled Shrimpfest in Brinnon over Memorial Day weekend. Made 266 direct contacts and 9 people signed up to be notified of meetings and volunteer opportunities. Great to meet other MRC members in-person and talk to the public about the MRC. Featured a filter feeding demonstration with oysters and algae from Taylor Shellfish, which effectively drew in kids and parents. It was a great opportunity to communicate about MRC efforts. Three other events coming up – Forever Streamfest, Wooden Boat Festival, and Crabfest. Request from Quilcene Fair for the MRC to attend, though not sure if there is capacity. Potential for next year.</p> <p>June 21st – virtual Dungeness crab talk by Emily Buckner.</p> <p>June 22nd – live demonstration of larval crab monitoring.</p> <p>June 25th – Forever Streamfest, need MRC volunteers to sign up for tabling.</p> <p>Shoreline Landowner Outreach (Sarah) – NW Straits Foundation and Blue Coast Engineering put on a shoreline landowner outreach workshop on May 24. Great workshop coupled with a beach walk at East Beach Park on Marrowstone. Had 27 participants. Potential to offer another one in the fall.</p> <p>Crabber Outreach (Sarah) – In-person crabber outreach workshop scheduled on June 23rd at WSU classroom in Port Hadlock. Presenters from WDFW, Jamestown, NWSF and Troy.</p>	<p>Submit a liability form to Monica if you would like to participate in kelp monitoring kayak surveys.</p> <p>Send Bob new rain garden location suggestions.</p> <p>June 21st Dungeness crab talk Webinar Registration - Zoom</p> <p>June 22nd live demonstration Live Demonstration of Larval Crab Monitoring Tickets, Wed, Jun 22, 2022 at 9:30 AM Eventbrite</p>	<p>Anyone interested in helping with the kayak-based kelp surveys.</p>
PUBLIC COMMENT	None.		
MRC Roundtable/Announcements	<p>Joan: Green crab discovered by WA Sea Grant team in Seabeck, Hood Canal. Are the MRCs involved in green crab detection/monitoring? If not, should we become involved?</p> <p>Jeff: Can talk to the NW Straits. In the San Juans there is an 'adopt a beach' program doing marine debris monitoring which could be expanded to include green crab. We could adopt a similar program.</p> <p>Neil: The WA Sea Grant Green Crab Team is a very well-established program. We could collaborate with that program in terms of helping them find volunteers for monitoring sites. Recently gave a green crab presentation to the Audubon Society. For outreach to the public, MRC could encourage people to look for green crab molt and teach volunteers how to identify the carapace.</p>	<p>WSG Crab Team has great resources on identification, information about what to do if you find a green crab or a molt, and how to report: https://wsq.washington.edu/crabteam/getinvolved/</p>	

	Betsy: Outreach about what to look for, what to do if you find a molt or a crab, could be the right function for MRC. Monica: Pam shared that the Port of PT is having a public workshop tomorrow focused on the Point Hudson jetty project.		
ADJOURNMENT	Meeting was adjourned at 7:55PM. Next meeting will be August 2nd.	Neil moved to adjourn, seconded by Sarah. Motion passed.	



**Jefferson County
Marine
Resources
Committee**

**Meeting Agenda
Tues, August 2, 2022
6:00-8:00PM
Meeting held via Zoom**

**Officers/Executive
Committee:**

Brenda Johnson, Chair
Troy McKelvey, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fisksen, NWSC Alternate

MRC Members:

Solenne Walker, District 1
Janette Mestre, District 1
Liz Hoenig Kanieski, District 1 Alt
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Heather Burns, District 3
Sarah Fisksen, District 3
Joanie Hendricks, District 3 Alt
Betsy Carlson, Envir/Conserv
Bryan DeCaterina, Env/Cons Alt
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 June 2022 Minutes
- 6:08** Public Comment
- 6:10** **Guest Speakers: Derelict Crab Pot Removal Efforts**
Jason Morgan, NWSF removal efforts in Port Townsend Bay;
Ella & Nathaniel Ashford, Sea Dragons ROV survey and
removal efforts in Discovery Bay
- 6:50** BoCC Report (Heidi)
- 6:55** Local Government Report - City of PT (Steve King)
- 7:05** **Recent Meeting Reports & Issue Updates (Jeff)**
NWSC meeting updates
- 7:10** **Administrative Updates (Monica)**
Status of congressional funds
Collaborative Conservation Workshop
Discussion of in-person meetings
- 7:15** **NWSF Passport to Marine Adventure (Jessie)**
- 7:20** **Current and New Project Updates**
- Forage fish – Adelma (Jeff), Dabob (Sarah)
 - No-anchor zones (Troy)
 - Kelp (Solenne)
 - Olympia oysters (Neil/Gordon)
 - Mapping lost crab pots (Jeff)
 - Education & outreach (Brenda/Frank)
 - Rain gardens (Janette)
- 7:47** Public Comment
- 7:50** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

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

August 26, 8-11am – MRC third kelp survey

August 26, 10am-12pm – NWSC monthly [meeting](#)

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

September 9, 9am-2pm – Strait ERN fall quarterly [meeting](#)

September 9-11 – MRC tabling Wooden Boat Festival ([signup here](#))

September 16 – NWSI Collaborative Conservation Workshop @ Padilla Bay

September 21-23 – 2022 Coast MRC Summit (ask Monica for registration link)

September 22-26 (TBD) – MRC new rain garden installation

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

August 2, 2022 Meeting Minutes

Present:

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

Absent:

Carol Hasse, Port of Port Townsend
 Heather Burns, District 3
 Liz Hoenig-Kanieski, District 1 Alt.
 Frank Handler, District 2 Alt.
 Solenne Walker, District 1
 Gordon King, Commercial Interest

Guests: Steve King, Keith Hansen, Jon Waggoner, Jason Morgan, Ella Ashford, Tom Thiersch, Kris, Jessie Page

Staff: Monica Montgomery, MRC Coordinator
 Bob Simmons, WSU

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Chair Brenda Johnson called the meeting to order at 6:00 PM. Welcomed guests and MRC members.	A quorum was present.	All members – please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA	Brenda asked for approval/amendments to the agenda. Motion to approve by Neil Harrington, which was seconded by Bryan DeCaterina. Agenda was approved.	Neil moved to approve the agenda. Bryan seconded. Motion passed.	
APPROVAL OF MINUTES	Brenda asked for approval/amendments to the June 2022 Minutes. Neil– Amendment to the June minutes: Olympia oyster restoration cultch will be spread on the lagoon site, not powerlines site. Betsy Carlson moved to approve with corrections, which was seconded by Joanie Hendricks. Minutes passed with corrections.	Betsy moved to approve the June minutes with corrections. Seconded by Joanie. Motion passed.	
PUBLIC COMMENT	Tom Thiersch– Request as the chair of the local ferry advisory committee: Seeking a new applicant to fill a vacant position, 4-year term, appointed by county commissioners to serve. Looking for a commercial interest representative. Position is posted on the county website.		
GUEST SPEAKERS Jason Morgan, NWSF removal efforts in Port Townsend Bay. Ella Ashford, Sea Dragons ROV survey and removal efforts in Discovery Bay.	Guest Speakers: Derelict Crab Pot Removal Efforts Jason Morgan, NW Straits Foundation Jefferson & Clallam Derelict Crab Pot Project Funded by NOAA Marine Debris Program – project goals <ul style="list-style-type: none"> ○ Clear >5,200 acres of marine debris ○ Halt continued mortality of Dungeness crab in derelict pots ○ Document impacts of derelict pots ○ Establish an effective and measurable outreach campaign ○ Reduce number of pots lost annually In 2019-2021, removed all pots in Dungeness and Port Townsend Bays each year and surveyed the next year Outreach <ul style="list-style-type: none"> ○ In-person and virtual workshops ○ Dockside education ○ Social media ○ Distributed educational materials ○ Press releases 		

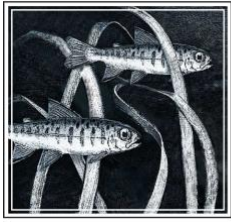
	<ul style="list-style-type: none"> o 2,700+ individuals reached <p>Results</p> <ul style="list-style-type: none"> o 752 derelict crab pots removed o 17,920 lbs of marine debris removed o 5,644 acres cleared o Estimated 11,280 Dungeness crab saved annually o Port Townsend Bay – increase in lost pots 2020 to 2021 (62 to 81 pots) o Dungeness Bay – 43% decrease in lost pots 2020 to 2021 (37 to 21 pots) o Port Townsend Bay – 31% increase in lost pots 2020 to 2021 (62 to 81 pots) <ul style="list-style-type: none"> o *11% increase in license sales in that period (22,068 licenses), perhaps due to the covid pandemic and increase in people recreating o More tourism in Port Townsend Bay compared to Dungeness o Outreach has been focused on local community, not tourists (boaters who may be passing through PT) <p>Recommendations</p> <ul style="list-style-type: none"> o In-person and virtual crabber workshops o Expand outreach to tourism community o Expand outreach to commercial crabbing fleets (31% of pot loss) o Boater education (51% of pot loss attributed to vessel strike) o Gear malfunction education (32% pot loss due to gear malfunction) o Consider continuing removal efforts on annual or bi-annual basis (as funding allows) <p>Ella Ashford, PT Sea Dragons Derelict crab pot recovery using an ROV (remotely operated vehicle) and community science</p> <p>Goals for work with the MRC</p> <ul style="list-style-type: none"> o Recover derelict crab pots greater than 100 ft depths using an ROV and launch community outreach and education efforts o Ocean stewardship and education – for students and broader community o Create a low cost ROV with the functionality of research or industrial ROVs <ul style="list-style-type: none"> o Custom ROV has a 2.5 hour battery life, low light camera, hydraulic manipulator o Summer 2021 project testing – crab pot successfully recovered at 25 m o Feasibility testing at Adelma Beach <ul style="list-style-type: none"> o Practiced retrieving derelict crab pots o Decreased visibility with late summer algal bloom <p>2022 work with MRC</p> <ul style="list-style-type: none"> o Used coordinates of potential derelict crab pots from MRC contracted side scan sonar surveys o Filtered derelict pots by depth (ROV has 200 ft diving capability) o Most pots near Cape George were >200 ft, out of range (total 92 pots at Cape George) o Located 6 pots: removed 3 pots, left 2 that had significant marine growth and/or safety hatch open and left 1 due to on-the-water conditions <p>Future Work</p> <ul style="list-style-type: none"> o Test ROV in locating crab pots without use of known coordinates from side scan sonar surveys o Engage other robotics teams to conduct similar work in their own communities o Upgrade ROV capabilities to dive to deepest pots at 400+ ft <p>Jeff– Recovered just a few pots because we ran into the start of the crabbing season. Question for Jason – did you leave pots that had marine growth in Port Townsend Bay? Were the pots we came across new since 2021?</p> <p>Jason– Yes, we removed pots in 2021 so the ones you came across were new. Not aware if any pots were left in the bay, but at times the divers will leave pots ensuring they are disabled. Did removals on days that crabbing was closed during the crabbing season.</p>		
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	<p>Heidi– Has never set pots in more than 80 ft. Do the pots migrate somehow to those deeper depths?</p> <p>Ella– Significant currents near Cape George prevented use of the ROV. Our hypothesis is that people crab in shallower depths, don't realize there is a shelf, or pots get pulled deeper by the currents.</p> <p>Jason– Gear loss happens in areas of high current, steep slopes. People also crab at those depths especially in the late season.</p> <p>Betsy– What do you do with the pots you retrieve?</p> <p>Ella– Pots that are not usable are trashed, those that are usable go to a search and rescue fundraiser.</p> <p>Jeff– One pot was claimed by the owner, the other two were trash.</p> <p>Janette– What makes a pot derelict? Lost its buoy, or some other definition of "derelict"?</p> <p>Jason– Derelict fishing gear is lost, abandoned, or otherwise discarded. No longer under someone's ownership. We are not allowed to pull gear that has a buoy on the surface (WDFW has the authority to do that and prevents a lot of gear from becoming derelict).</p> <p>Roy– If ropes and buoys are submerged underwater, you are allowed to remove them. Idea for card holder for fishing license – could have a QR code on the back linking to educational videos.</p>		
BoCC REPORT	<p>Commissioner Eisenhower– Update from BoCC</p> <ul style="list-style-type: none"> Community development staff have been meeting with Ecology regarding Shoreline Master Plan; Ecology will be sending comments soon, will restart legislative process, which includes public process (MRC and county commissioners) Dept of Community Development hired a planning manager Pleasant Harbor updates: staff have been meeting with Jamestown S'Klallam Tribe as well as other tribal staff to discuss a water quality monitoring program; recognizes a backlog of money owed to the county by the developer – fee ordinance in development Derelict vessel removal – hoping to hear back from Sea Grant and DNR about a vessel recycling program 		
City of PT UPDATES	<p>Steve King– City of Port Townsend Water Treatment Plant & Sewer Outfall Update</p> <p>North Beach/Chinese Gardens Lagoon Discharge Pipe</p> <ul style="list-style-type: none"> Outfall pipe extends ~900 feet offshore Existing pipe is concrete and iron, leaking, built in 1950s/60s Needs to be upsized for the future Reclaimed water from wastewater plant distributed offshore to minimize pollution Working on a nutrient removal program General sewer plan update – alternative to proposed replacement pipe <ul style="list-style-type: none"> Proposal to build a parallel pipe to continue to work during construction of new pipe Concerns over trenching for new pipe (impacts to eelgrass and kelp bed) In-situ pipeliner – new pipe inside of old, seal up the old pipe without having to replace; Difficult to operate, hasn't been done successfully reliably in underwater environment Put a new pipe inside old – reduce flow Option for consideration – emergency event overflow discharge into Chinese Gardens (treated water), during storm events the discharge will go to Chinese Gardens instead of outfall pipe <p>Nam– Appreciate alternatives to the previous cut and cover technique that we had concerns about. Likes the direction of the alternative plan for discharge to Chinese Gardens. Idea floated years ago to use Chinese Gardens as a 'remediation' pond. Chinese Gardens is a wetland, and there could be impacts to the wetland, but this sounds preferable to digging up eelgrass and kelp beds. Thoughts to incorporate plant</p>		

	<p>communities (bio-retention pond) in Chinese gardens? Question about the nutrient reduction program – are we heading towards tertiary treatment?</p> <p>Steve– We are embarking on monitoring to understand how the plant is working, and we have unique opportunities with aeration ditches to change the way they operate to remove nutrients. Consultants are evaluating the plant to analyze the nutrient reduction potential of changing operations. Heading toward reclaimed water makes sense in the long term for Port Townsend.</p> <p>Neil– On average, how often is there a combined rainfall/surge that would require discharge to Chinese Gardens?</p> <p>Steve– We are monitoring the water levels at the treatment plant against the tide to understand this better.</p> <p>Jeff– Question for Nam: trends in kelp at North Beach, declines around the sewer outfall?</p> <p>Nam– The pipe was exposed and leaking for a short period, quickly fixed under an emergency permit. Outfall effluent has been there for so long, I would hesitate to point to anything for short term changes in kelp. There's no reference site for comparison (natural change vs anthropogenic change).</p> <p>Bob– Discharge to Chinese Gardens Lagoon might be a great option, especially if it will be so infrequent. Have you investigated direction drilling as an option if this is not allowed by Ecology?</p> <p>Steve– Yes, there are a few large boulders at the site that pose a risk. Would prefer a less risky option.</p>		
RECENT MEETING REPORTS AND ISSUE UPDATES	<p>NWSC Update (Jeff) –</p> <ul style="list-style-type: none"> o Terry Williams, Tulalip Tribes, passed away last week. Very influential, widely recognized leader for collaboration with the tribes. Firm in his passions for marine environments. o Upcoming NW Straits Initiative Collaborative Conservation Workshop on September 16th at Padilla Bay. <ul style="list-style-type: none"> o Monica – Opportunity for MRCs to showcase a project, workshop held in lieu of the annual MRC conference. ROV project would be great to showcase. o Derelict vessel removal meeting today, attended by many MRC members. Starting to work out identification of vessels to be removed 	<p>NW Straits Initiative Collaborative Conservation Workshop RSVP by August 18th https://fs21.formsite.com/nwstraits/05y4jj0qcx/index.html</p>	
ADMINISTRATIVE UPDATES	<p>Administrative Updates (Monica) –</p> <p>Status of congressional funds</p> <ul style="list-style-type: none"> o As of June meeting, NOAA staff person appointed to administer funds; shortly after meeting, submitted a budget which you can access in shared Google Drive o Anticipating funds to be will be available Jan – Dec 2023 <p>Revisit discussion of in-person meetings</p> <p>Nam– I would advocate for in-person meetings with the right precautions. While we have warmer long days, we could test out an outdoor hybrid meeting.</p> <p>Brenda– How much more difficult would a hybrid meeting be for support staff?</p> <p>Monica– Outdoor meeting would be challenging with technology involved for hybrid meeting. May not be possible for September meeting.</p> <p>Heidi– 4-6 weeks ago, BoCC decided that while Jefferson County is in high transmission range for Covid according to the Public Health Dept they will shift to virtual meetings.</p> <p>Monica– Would doing an outdoor meeting without a hybrid option be possible?</p> <p>Brenda– We need to have virtual options for those who don't feel comfortable attending.</p> <p>Monica– Can continue with virtual meetings and will practice using the OWL.</p>		

NWSF APP Jessie Page	<p>NWSF Passport to Marine Adventure (Jessie Page) –</p> <ul style="list-style-type: none"> o App designed to get public outside to local beaches o Information about local beaches on the app o A way for people to learn about work of the MRCs o Users earn and redeem points and get discounts from local businesses <p>Three sites in Jefferson County currently on the app: PT rain gardens, NW Maritime center pier, Fort Townsend State Park</p> <ul style="list-style-type: none"> o To be added – Mystery Bay, Point Wilson, Shine Tidelands, Dosewallips State Park o Sites selected for spatial diversity and local activity of MRCs o Seeking environmental education content, photos of the sites, tips, recreational activities for the app o Looking for more businesses to connect with (outdoor gear, guiding, restaurants, cafes, bookstores) <p>Betsy – You could consider reaching out to the PT Marine Science Center for a potential reward site.</p>	<p>Send tips for Passport Sites in Jefferson County to page@nwstraitsfoundation.org</p> <p>Send reward site recommendations to friesen@nwstraitsfoundation.org</p>	
CURRENT & UPCOMING PROJECTS	<p>Forage Fish Monitoring –</p> <p>Jeff – Sampled on July 31st</p> <p>Sarah – Sampled on July 22nd</p> <p>Forage fish training with WDFW in June. Good refresher for the group.</p> <p>No-Anchor Zones (Troy) –</p> <p>Last Sunday, Bryan, Gordon and Troy were out in the field. 4 shellfish buoys maintained in Port Hadlock. Lined buoys up on original permitting coordinates. New anchor for one, one buoy needed to be replaced. The others were dragging down with marine growth. Mystery Bay will be serviced next.</p> <p>Kelp Monitoring (Brenda) –</p> <p>Last week, MRC members and 3 other volunteers conducted survey. Since June, bed has grown quite a bit. Julia Ledbetter from DNR joined the group, compared DNR protocols with MRC protocols.</p> <p>Olympia Oysters (Neil) –</p> <p>Gordon and crew spread shell at the Lagoon Site in June. Conducted another survey at the North Powerlines Site (original site). Some numbers to share – northern site, estimated 79,000 oysters. Nice size distribution. High density to south of powerlines where oysters drifted – estimated 35,000 oysters in that section. Larger, 3-acre area of south parcel – not many oysters counted. Probably baseline of 11,000-12,000 oysters.</p> <p>In total, combining area north and south of powerlines, on 0.6 acres – 114,000 oysters that are different size classes, reproducing.</p> <p>Rain Gardens (Janette) –</p> <p>Another successful work party. Two gardens per day is the limit. Good idea to do a maintenance program this time of year. Identified a new garden for installation in September.</p> <p>Organizing another work party on August 17th, 10-12:30. Meeting and the Lincoln and Adams rain garden. Will be spreading mulch and weeding.</p> <p>Education and Outreach (Brenda) –</p> <p>Speaker series event co-hosted by PT Marine Science Center and MRC. Talk highlighting the value of studying Dungeness crab to inform harvest practices and regulations. Emily Buckner (PSRF) was key speaker, joined by Liz Tobin (Jamestown S'Klallam Tribe) and Katelyn Bosely (WDFW). Followed by an in-person light trap demonstration that was well attended the next day.</p> <p>Represented MRC at Forever StreamFest in Port Angeles. Monica and Frank tabled. More Clallam County focused than Jefferson County, so may not sign up again.</p> <p>Wooden Boat Festival – Sept 8-11. Sign up to help table.</p>	<p>Next kelp survey at North Beach will be on August 26, 8am-12pm. Let Monica or Solenne know if you would like to join.</p> <p>Rain Garden Work Party Aug 17: https://www.eventbrite.com/e/august-port-townsend-rain-garden-workparty-tickets-395278467537</p> <p>Recording of the PTMSC-MRC speaker series presentation, PNW crab research group: https://www.youtube.com/watch?v=iz8eEPg74zE</p> <p>Wooden Boat Festival sign-up: https://docs.google.com/spreadsheets/d/15TCi4MZxO16S-XDHWLiLUAuBNVtD3tk/edit?usp=sharing&ouid=109670498436905692290&rtopof=true&sd=true&urp=gmail_link</p>	
PUBLIC COMMENT	None.		

MRC Roundtable/ Announcements	<p>Judy– Climate Action Committee (city and county) working on reducing emissions and coming up with adaptation strategies. Recently published a report on forest carbon sequestration modeling in East Jefferson County. Considering a similar study for help carbon sequestration modeling – would MRC members want to be involved?</p> <p>Bob– Upcoming Stream Stewards training will run 5 weeks; meets on Tuesdays starting Sept 20th. Hybrid model includes virtual presentations to view on your own time coupled with related in-person field trips on Tuesdays 9am-12:30pm.</p> <p>Monica– Community member shared concerns related to derelict vessels tied to unpermitted mooring buoys in Mystery Bay.</p> <p>Invitation from North Pacific Coast Committee to participate in their annual conference (hybrid) in September.</p>	<p>Climate Action Committee Forest Carbon Modeling Report: https://www.co.jefferson.wa.us/DocumentCenter/View/13920/JeffCo_GHG_Inventory_Forests_Trees_2001_2016_Report_Approved_02_08_22_no_attachments</p> <p>Stream Stewards Registration: https://www.eventbrite.com/e/2022-fall-stream-stewards-class-registration-371395202047</p> <p>Coastal MRC Summit Information: https://docs.google.com/document/d/1Dirc0SYadAi2BFkhlzPuljdD1sfPtahB/edit</p>	
ADJOURNMENT	Meeting was adjourned at 8:05PM. Next meeting will be September 6 th .	Troy moved to adjourn, seconded by Neil. Motion passed.	



Jefferson County Marine Resources Committee

Meeting Agenda
Tues, September 6, 2022
6:00-8:00PM
*****Meeting held via Zoom*****

Officers/Executive Committee:

Brenda Johnson, Chair
Troy McKelvey, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fisksen, NWSC Alternate

MRC Members:

Solenne Walker, District 1
Janette Mestre, District 1
Liz Hoenig Kanieski, District 1 Alt
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Heather Burns, District 3
Sarah Fisksen, District 3
Joanie Hendricks, District 3 Alt
Betsy Carlson, Envir/Conserv
Bryan DeCaterina, Env/Cons Alt
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
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AGENDA

- 6:00** Call to Order
- 6:05** Amendments to/Approval of Agenda
Amendments to/Approval of August 2022 Minutes
- 6:08** Public Comment
- 6:10** **Guest Speaker**
Jodie Toft – Puget Sound Restoration Fund
- 6:50** BoCC Report (Heidi)
- 6:55** Port of PT Update (Carol)
- 7:05** **Recent Meeting Reports & Issue Updates (Troy)**
NWSC meeting updates
- 7:10** **Administrative Updates**
NWSI Collaborative Conservation Workshop (Monica)
Forming a Derelict Vessel Removal Subcommittee (Monica)
Executive Committee candidates (Brenda)
- 7:20** **Current and New Project Updates**
- Forage fish – Adelma (Jeff), Dabob (Sarah)
 - No-anchor zones (Troy)
 - Kelp (Solenne)
 - Education & outreach (Brenda)
 - Rain gardens (Bob)
 - Olympia Oysters (Neil)
 - Shoreline landowner outreach (Sarah)
- 7:47** Public Comment
- 7:50** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

September 9-11 – Wooden Boat Festival ([signup to table](#))

September 16 – NWSI Collaborative Conservation Workshop @ Padilla Bay

September 21-23 – 2022 Hybrid Coast MRC Summit

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

September 22-24 (TBD) – New rain garden installation in Port Hadlock

September 30, 10am-12pm – NWSC monthly [meeting](#)

October 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

September 6, 2022 Meeting Minutes

Present:

Brenda Johnson, Chair, District 2
 Troy McKelvey, Vice Chair, Recreation
 Neil Harrington, Tribal
 Betsy Carlson, Envir/Conserv
 Gordon King, Commercial Interest
 Brent Vadopalas, Marine Sci Alt
 Bryan DeCaterina, Env/Conserv Alt.
 Carol Hasse, Port of Port Townsend
 Sarah Fiskien, District 3, NWSC Alt.
 Joanie Hendricks, District 3 Alt
 Heidi Eisenhour, *ex officio*, BoCC District 2
 Judy Surber, City of Port Townsend
 Frank Handler, District 2 Alt.
 Solenne Walker, District 1

Absent:

Heather Burns, District 3
 Liz Hoenig-Kanieski, District 1 Alt.
 Nam Siu, Marine Science
 Roy Clark, Recreation Alt.
 Jeff Taylor, District 2, NWSC Rep.
 Janette Mestre, District 1

Guests: Sasha Horst, Jodie Toft, Jon Waggoner,
 Emily Buckner

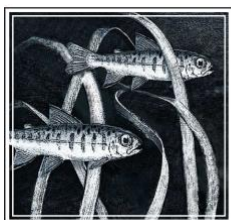
Staff: Monica Montgomery, MRC Coordinator
 Bob Simmons, WSU

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Chair Brenda Johnson called the meeting to order at 6:00 PM. Welcomed guests and MRC members. Requested MRC members to let Brenda and Monica know if they will be missing a monthly meeting.	A quorum was present.	All members – please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA	Brenda asked for approval/amendments to the agenda. Motion to approve by Neil, which was seconded by Troy. Agenda was approved.	Neil moved to approve the agenda. Troy seconded. Motion passed.	
APPROVAL OF MINUTES	Brenda asked for approval/amendments to the August 2022 Minutes. Betsy moved to approve the minutes, which was seconded by Sarah. Minutes passed.	Betsy moved to approve the August minutes. Seconded by Sarah. Motion passed.	
PUBLIC COMMENT	None.		
GUEST SPEAKER Jodie Toft Puget Sound Restoration Fund	<p>Jodie Toft, Puget Sound Restoration Fund</p> <p>PSRF works on:</p> <ul style="list-style-type: none"> Restoring living marine habitats, species, and growing areas Recovering foundational elements of the marine ecosystem Projects focused on: on kelp, seaweed, pinto abalone, crab, cockle, and Olympia oyster <p><u>Kelp</u></p> <ul style="list-style-type: none"> Spotlight on kelp and its importance: food web interactions, carbon cycling, etc. Eyes on kelp program– leveraging technology and partnerships to track Puget Sound's kelp forests, integrate diverse knowledge sources, and help to close data gaps <ul style="list-style-type: none"> 14 index sites – environmental monitoring (water quality parameters at surface and on bottom in kelp beds) Biodiversity surveys (dive surveys) <p><u>Olympia oysters</u></p> <ul style="list-style-type: none"> 40% range reduction 90% of Puget Sound abundance lost Estimated 150 acres of beds remaining in Puget Sound in 2010; since then, PSRF has added >100 acres Discovery Bay – Pacific oyster shell stacks for observation of Olympia oyster recruitment Quilcene Bay – priority area in Hood Canal for Olympia oyster restoration <u>Goal:</u> to develop a framework/comprehensive strategy for restoring Olympia oysters in Hood Canal (e.g., site selection, restoration actions to apply at those sites, etc.) 		

	<ul style="list-style-type: none"> ○ Used a habitat suitability index in Quilcene Bay ○ Surveyed for oysters, eelgrass, oyster predators, environmental factors ○ Quilcene Bay – plenty of Olympia oysters, but not in historic area at the head of the bay ○ MRC test plots did not do well in this area ○ Recommendation: analyze circulation and hydrodynamic model outputs and collect data to predict where the larvae produced at the mouth of the bay are going <p><u>Seaweed</u></p> <ul style="list-style-type: none"> • Seaweed fouls shellfish gear, must be removed from shellfish farms • Land-sea seaweed solutions - using excess seaweed in upland systems as a valuable soil amendment • Objectives: work with regulators to create a legal pathway to commercially harvest seaweed off cultivated tidelands, develop effective harvest methods, designing for species variation, building market pathways, understanding the effects of removal <ul style="list-style-type: none"> ○ Potential end users – year 1 seaweed given to different farms (high demand) at no cost ○ Monitoring shellfish growth and mortality of manila clams at sites with seaweed removed and compared with sites where seaweed was not removed, monitoring water quality <p>Questions</p> <p>Gordon: Quilcene Bay – drill predation was excessive during MRC trials. Anything floating grows Olys at the hatchery, related to temperature but maybe also predation. In areas with a lot of drills, there could be suspended Olympia oyster culture to preserve genetics which are very localized in Puget Sound.</p> <p>Solenne: How often is the kelp bed at North Beach surveyed as an index site? Do you see any sargassum at any of the index sites?</p> <p>Jodie: All the sites are surveyed by divers at least once a year, North Beach is surveyed more than that. Lots of trained divers in PT to steward that bed. Yes, we do see sargassum at some of the sites, and the data will be available by the end of the year.</p> <p>Bob: Permitting is a challenge for seaweed – do you see a timeline for when permits may be available for shellfish growers to be able to commercially harvest the seaweed growing on their gear?</p> <p>Jodie: DNR provided clear regulations about what can and can't be harvested incidentally from aquaculture gear. DNR is trying to move forward with guidelines/permitting for commercial seaweed farming.</p> <p>Solenne: What is the seaweed you see most often?</p> <p>Jodie: Ulva spp are the most common by far.</p> <p>Betsy: Correlation between excess nutrients and ulva at the sites?</p> <p>Jodie: We don't have the data to know for sure, would be interesting to map areas in the sound where seaweed is a problem for growers and where it isn't.</p> <p>Gordon: Animals at shellfish farms are filter feeding, producing feces or pseudo-feces and urea (nutrient input to the system from shellfish themselves).</p> <p>Judy: Carbon storage and sequestration a focus for seaweed?</p> <p>Jodie: Big question to understand the role of seaweeds in carbon sequestration. PSRF is looking at volume of seaweed harvested, nitrogen and carbon breakdown of different species, estimated amount held in the seaweed that's fouling the farms and how those change when moved to an upland system.</p>		
BoCC REPORT	<p>Commissioner Eisenhower – Update from BoCC</p> <p>No major updates on Black Point or Shoreline Master Program. Grant agreements and contracts in place for the Shoreline User Guide, project proposed by the county last year, and sea level rise grant projects that have been funded and will be starting soon. Mapping and education for the community (SLR), practical guide. Department of community development will be leading these projects.</p>		
Port of PT UPDATES	<p>Carol Hasse – Update from Port of Port Townsend</p>		

	<p>Port is preparing for Wooden Boat Festival. Power and fiber being added to point – job shack for jetty project. Starting construction on smaller, north jetty after wooden boat festival</p> <ul style="list-style-type: none"> • Public groundbreaking on 13th at 3:30 • Harbor will be closed, barge will come in, demolition will begin on the 15th • Jetty rock that's creosote free will be relocated to the southwest (NWM Center side), to create habitat for marine creatures that are removed from the jetty (working on a permit for Marine Science Center – looking for diver input and participation) • Harbor will re-open March 1 <p>Simms way project – public comment welcome on the Port's plan. Gunther, beached gray whale, bones were cleaned and sealed – skeleton reconstructed – will be displayed at Port's union wharf (Oct/Nov).</p>		
RECENT MEETING REPORTS AND ISSUE UPDATES	<p>NWSC Update (Troy) – Discussed: Green crab updates – Drayton harbor, Samish bay, Fidalgo Bay. Derelict vessel removal program updates. September 16th Collaborative Conservation Workshop.</p>		
ADMINISTRATIVE UPDATES	<p>Administrative Updates (Monica) – Collaborative Conservation Workshop (Sept 16th) 11am – 4pm. You can still go if you didn't RSVP – contact Monica for details. Save receipts for reimbursement. Jeff has offered carpooling (3 people) – let Monica know. Heidi can take a few people in the county car. Rooms may be available at Padilla Bay if needed.</p> <p>Derelict vessel removal subcommittee: NWSC is setting up an interagency agreement with DNR, so MRCs can provide priority list of vessels of concern for removal. A workgroup will prioritize the combined lists from MRCs and partnering Tribes to determine which will be removed. MRCs to submit removal lists by October 1st. Formed a project subcommittee: Carol, Sarah, Brenda, Heidi, (Solenne willing to advise).</p> <p>Executive Committee Officer Elections (Brenda): Changing officers at the end of the year. Election in December, with Troy set to take position as Chair. Looking for a list of people willing to take Vice Chair position next year, to be Chair in the following year.</p>	<p>Let Monica know if you would like to attend the Collaborative Conservation Workshop on September 16th or if you would like to carpool with other MRC members.</p> <p>Let Monica know if you would like to be part of the derelict vessel removal subcommittee.</p> <p>Let Brenda know if you are interested in the vice chair position next year for the Jefferson County MRC.</p>	
CURRENT & UPCOMING PROJECTS	<p>Forage Fish Monitoring – Sarah – sampled in Dabob Bay in mid-August with Troy and Monica.</p> <p>No-Anchor Zones (Troy) – Progress on Mystery Bay. Organizing maintenance of Mystery Bay buoys, should happen after Wooden Boat Festival.</p> <p>Kelp Monitoring (Solenne) – Conducted all three kelp surveys this summer. June – smallest bed we had seen, likely due to cool spring. July and August – bed increased in size. Difficult to assess density. Kelp bed isn't hugging the shore as in previous years, slightly farther offshore. Unable to get out on boats for linear extent surveys this year. Noticed a lot of feather boa in June. Betsy willing to help with data entry.</p> <p>Olympia Oysters (Neil) – Monica went out with PSRF on Indian Island to conduct surveys. Hope to do Oly census next summer. Interested in southern Kilisut Harbor/Scow Bay. Plan to have an Oly oyster subcommittee meeting – Monica will send doodle poll for an October for meeting. Retrieved shell stacks in Sequim Bay and Discovery Bay – baby Olys on the shells. Seeing continued recruitment in the lagoon.</p> <p>Rain Gardens (Bob) – Mid-August, productive work party for two rain gardens in uptown PT. New rain garden will be installed behind WSU office in late September to capture runoff from parking lot.</p>	<p>Jefferson MRC & WSU Extension: Plant a New Rain Garden in Port Hadlock (signupgenius.com)</p>	
PUBLIC COMMENT	None.		

MRC Roundtable/ Announcements	<p>Brenda solicited suggestions for future agenda items and speakers.</p> <p>Monica: Jeff asked MRC to a write letter of support back in January for a grant that our side scan sonar survey contractor submitted for removing derelict crab pots in Discovery Bay and Sequim Bay. Contractor was awarded the grant and will be conducting removals in 2023.</p> <p>Betsy: At the flagship landing space on Thursday/Friday, PTMSC will be articulating a gray whale that washed ashore on Indian Island in 2016. Still seeking someone for an AmeriCorps position, let PTMSC know if you know someone suitable.</p> <p>Bob: WSU is offering a Stream Stewards class starting Tuesday September 20th.</p> <p>Neil: Green crab update – several more green crabs found recently in Seabeck Bay. Derek Kilmer visited and helped pull traps. Trapping in Discovery Bay found 14 green crabs at the south end of the Bay. Small female crabs. Only caught two in Sequim Bay this year.</p> <p>Brenda: Pigeon guillemot breeding surveys since May. Breeding season has been elongated this year, about four weeks longer than in previous years. Volunteers are seeing them eating gunnels and sculpins.</p>		
ADJOURNMENT	Meeting was adjourned at 8:00PM. Next meeting will be October 4 th .	Joan moved to adjourn, seconded by Solenne. Motion passed.	



Jefferson County Marine Resources Committee

Meeting Agenda
Tues, October 4, 2022
6:00-8:00PM
*****Meeting held via Zoom*****

Officers/Executive Committee:

Brenda Johnson, Chair
Troy McKelvey, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fiskén, NWSC Alternate

MRC Members:

Solenne Walker, District 1
Janette Mestre, District 1
Liz Hoenig Kanieski, District 1 Alt
Brenda Johnson, District 2
Jeff Taylor, District 2
Frank Handler, District 2 Alt
Heather Burns, District 3
Sarah Fiskén, District 3
Joanie Hendricks, District 3 Alt
Betsy Carlson, Envir/Conserv
Bryan DeCaterina, Env/Cons Alt
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 September 2022 Minutes
- 6:08** Public Comment
- 6:10** **Guest Speaker**
Commissioner Kate Dean – Puget Sound Partnership Updates
- 6:50** BoCC Report (Heidi)
- 6:55** Port of PT Update (Carol)
- 7:05** **Recent Meeting Reports & Issue Updates**
NWSC meeting updates (Jeff)
NWSI Collaborative Conservation Workshop updates
(Sarah/Troy)
- 7:15** **Current and New Project Updates**
- Forage fish – Adelma (Jeff), Dabob (Sarah), Fort Townsend (Sarah)
 - No-anchor zones (Troy)
 - Education & outreach (Brenda)
 - Rain gardens (Bob)
 - Derelict/abandoned vessel removal (Brenda)
- 7:47** Public Comment
- 7:50** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

October 7, 830am-12pm Fort Townsend forage fish survey

October 17, 9-10am – Executive Committee meeting

November 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

Virtual Zoom Meeting

October 4, 2022 Meeting Minutes

Present:

Brenda Johnson, Chair, District 2
 Troy McKelvey, Vice Chair, Recreation
 Neil Harrington, Tribal
 Gordon King, Commercial Interest
 Bryan DeCaterina, Env/Conserv Alt.
 Sarah Fiskens, District 3, NWSC Alt.
 Janette Mestre, District 1
 Roy Clark, Recreation Alt.
 Jeff Taylor, District 2, NWSC Rep.
 Nam Siu, Marine Science
 Joanie Hendricks, District 3 Alt
 Heidi Eisenhour, *ex officio*, BoCC District 2
 Solenne Walker, District 1

Absent:

Heather Burns, District 3
 Carol Hasse, Port of Port Townsend
 Brent Vadopalas, Marine Sci Alt
 Betsy Carlson, Envir/Conserv
 Judy Surber, City of Port Townsend
 Frank Handler, District 2 Alt.

Guests: Kate Dean, Kara Cardinal

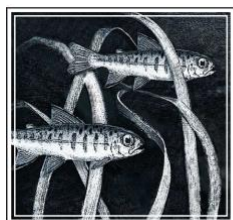
Staff: Monica Montgomery, MRC Coordinator
 Bob Simmons, WSU

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Heidi Eisenhour called to order a special meeting of the Jefferson Board of County Commissioners at 6:00 PM. Brenda welcomed guests and MRC members and Jefferson County Commissioner Kate Dean.	A quorum was present.	All members – please send volunteer hours to Monica
GUEST SPEAKER Commissioner Kate Dean – Puget Sound Partnership Updates	<p>Kate Dean, Jefferson County Commissioner - Presentation to Jefferson County MRC</p> <p>Puget Sound Partnership is the state agency tasked with protection and restoration of Puget Sound</p> <ul style="list-style-type: none"> - smallest state agency, ~50 people - created by statute under the guidance of the Governor - funded by National Estuary Program <p>6 recovery goals: healthy human population, vibrant quality of life, thriving species and food webs, protected and restored habitat, abundant water quality, healthy water quality</p> <p>Provides the infrastructure to enable partners to come together to develop and implement priority actions. Aligns work of partners, ensures smart investments, supports priority actions. Currently a lot of federal funding available, need coordinated effort to acquire and allocate funding.</p> <p><u>Strategic Plan:</u> Action plan for Puget Sound recovery</p> <ul style="list-style-type: none"> - this year, actions are not ranked or rated in any way - 2022-2026 Action Agenda (4-year period) - charts the course of science-based recovery - guides funding and policy decisions <p><u>Measuring Success:</u> Vital Signs</p> <ul style="list-style-type: none"> - reported annually - quantifiable outcomes - monitored and updated regularly - many indicators for Puget Sound recovery are not meeting targets, and are in decline <p><u>Leadership Council</u> – Kate's priorities:</p> <ul style="list-style-type: none"> - represent rural counties' needs and interests - be a voice for LIOs - direct funding to rural communities and projects - articulate the value of rural landscapes to the region - identify opportunities to reform Growth Management Act - advance regional efforts around transfer of development rights (TDRs), infrastructure planning <p>Important to communicate the value of rural communities, ecosystem services, agriculture, forest products, etc.</p>		

	<p>Discussion</p> <p>Brenda: Your explanation of the Partnership is helpful for the MRC. I have heard the Partnership covers the 40% of Puget Sound shoreline that NWSC does not cover. Other than meetings, what are the channels of communication between the two groups? How do we ensure we're filling science gaps and complementing each other's work?</p> <ul style="list-style-type: none"> - We are one of the regions with both LIOs and MRCs. There are people present at the meeting who sit at both tables, a good question for the group. - Kara: Monica and Kara have been communicating to coordinate LIO and MRC work. As LIO coordinator for the Strait ERN, biggest role lately is to advocate for local capacity to apply for and manage federal and state funding. Rural communities don't have capacity to apply for money – should they even have to go through an application process? <p>Solenne: How do we as MRC members work to help incentivize conservation and protection over development? What do you see as the number one priority of the Partnership this year?</p> <ul style="list-style-type: none"> - Complexity of this work gets in the way of public participation. Requires paying attention at the local level and making hard calls, such as limiting development to preserve rural character. - Number one priority: Lorraine Loomis Act, regulation of riparian areas of high function and value; a divisive issue. Working on a compromise for regulation of riparian areas. <p>Joanie: Was the Action Agenda just created by the PS Partnership or do the LIOs contribute?</p> <ul style="list-style-type: none"> - Lots of opportunity to provide input during the process from the boards that make up the Partnership. - Kara: Strait ERN LIO provided some very robust comments and were strong contributors to the Action Agenda. <p>Heidi adjourned the special meeting of the BoCC at 7:00 PM.</p>		
<p>AMENDMENTS TO/APPROVAL OF AGENDA</p> <p>APPROVAL OF MINUTES</p>	<p>Brenda asked for approval/amendments to the agenda. Neil would like to give an update on Olympia oysters. Heidi will give an update on the Conservation Workshop. Bryan will talk about the No Anchor project in place of Troy.</p> <p>Motion to approve the updated agenda by Solenne, which was seconded by Neil. Agenda was approved.</p> <p>Brenda asked for approval/amendments to the August 2022 Minutes.</p> <p>Neil moved to approve the minutes, which was seconded by Joan. Minutes passed.</p>	<p>Solenne moved to approve the agenda. Neil seconded. Motion passed.</p> <p>Neil moved to approve the August minutes. Seconded by Joan. Motion passed.</p>	
PUBLIC COMMENT	<p>Kara: Strategic Initiative Leads Request for Proposals – a state funding opportunity; happy to help people apply for funding for relevant projects (grant writing and submissions). Strategic Initiative Leads Request for Proposals (wa.gov)</p>		
BoCC REPORT	<p>Commissioner Eisenhower – Update from BoCC</p> <p>Shoreline Master Program – initial determination from DoE. Lots of questions, clarifying work they want to see done on the initial submission.</p> <p>Community development – 3 grants to work on flood hazards and shorelines.</p> <ul style="list-style-type: none"> - Sea level rise, work with consultant to assess areas most vulnerable to SLR in the county. - Shoreline user guide. Developing a document to unpack complex regulations in Shoreline Master Program for those living on the shoreline/considering purchasing property on shoreline. When permits may be needed, required, timeframes, etc. Will address common questions of shoreline landowners. - Comprehensive flood management plan. Consultant will prepare for Big and Little Quilcene Rivers. Identify potential management options for the county. Coordinated effort with many agencies, Tribes, public. Focus on lower reaches but will consider upper reaches flowing through federal land. - All have deadlines of June 2023. 		

RECENT MEETING REPORTS AND ISSUE UPDATES	<p>NWSC Update (Monica) – Conservation Workshop Update</p> <ul style="list-style-type: none"> - Monica: Didn't get a chance to see other MRC projects, was posted at the Jefferson MRC table to share about the ROV project. Lots of interest and excitement about the project. Great event to connect with other MRCs and NWSC in-person. - Heidi: Liked the organization of different MRCs presenting recent projects, the impact it had in their communities, and the breadth of projects taken on by the Initiative. Interesting to see a full spectrum of marine issues being tackled in other places. Inspiring event. Second in-person event since serving as a County Commissioner. <p>Joan: Did anything stand out? Ideas for future projects for JCMRC?</p> <ul style="list-style-type: none"> - Heidi: Diversity of projects, different in scale and scope. Resonated with the plastic-free Salish Sea presentation (San Juan MRC), a huge issue across our region. Also struck by geographically specific restoration projects. Left feeling very proud of JCMRC as well. - Solenne: Make sure to look at the summary documents from the workshop. Very well put together. 		
CURRENT & UPCOMING PROJECTS	<p>Forage Fish Monitoring –</p> <p>Jeff – took samples at Adelma. Monica – Sampled with Sarah last week at Dabob, this Friday will be Fort Townsend.</p> <p>No-Anchor Zones (Bryan) –</p> <p>Went out in August and serviced buoys in Port Hadlock. Hama Hama lent their boat. Spar buoys are out at Port Townsend, will need to swap buoys with winter floats soon. Planning to do buoy maintenance in Mystery Bay this Sunday.</p> <p>Education and Outreach (Brenda) –</p> <p>10-12 volunteers at Wooden Boat Festival. MRC was there for all days of the festival. Contacted 350+ members of the public who stopped at the table to learn more and added 16 new volunteers who are interested in being on the MRC mailing list and/or may volunteer for projects. At least 66 hours spent by MRC members at the exhibit.</p> <p>Solenne: Couldn't connect to Wi-Fi in that location. Wanted to demonstrate the MyCoast app. Would like to have digital displays to attract people in the future if we could get a connection.</p> <ul style="list-style-type: none"> - Monica: We can request power hook up for the booth location when applying as a vendor in the future. <p>Olympia Oysters (Neil) –</p> <p>Subcommittee meeting this upcoming Monday at 1pm. Let Monica know if you're interested in attending.</p> <p>Will be presenting Discovery Bay results at naturalist conference in Ventura, CA in November. In a few weeks, some researchers from Elkhorn Slough will be up here and will visit the site in Discovery Bay.</p> <p>Rain Gardens (Bob) –</p> <p>Installed the rain garden behind WSU office on Oak Bay Rd last Wednesday. Planting went well. 18 x 22 feet and will collect runoff from a large area of the parking lot and associated driveways as well as the building roofs. Very permeable soil. Will be a large volume of water. Ran into issue of needing the utility provider to identify power, phone, and water lines. Had to put off planting event to last Wednesday instead of previous Friday. Newly installed garden will also serve as an education site and was already toured by the Master Gardener class.</p> <p>Purchased plants for other gardens to replace lost plants, later this month.</p> <p>Derelict Vessel Removal (Brenda) –</p> <p>Created a list of priority derelict vessel projects for the NWSC with help from Salish Rescue, Libby Wennstrom. Distinguished three categories: short list of vessels for consideration of removal with available funds in 2023, a watchlist, and a list of recommend deletion for some vessels that were on DNR's list that have been removed or could not be found. Monica submitted to the Commission on Friday.</p>	<p>Let Monica know if you're interested in attending the Olympia Oyster subcommittee meeting on Monday, October 10th, at 1pm.</p>	
PUBLIC COMMENT	None.		

MRC Roundtable/ Announcements	<p>Joan: Neil, did you see any green crabs in Discovery Bay?</p> <p>- Neil: Trapping with DFW, found some small crabs near our Oly site access on Fairmount Road. Lots of tidal channels in Discovery Bay. As of Sept 18th, up to 38 crabs. Some found in a channel off Snow Creek. Hot spot at the mouth of Salmon Creek and in the lagoon to the south of the Oly site.</p> <p>In the last week of trapping, caught 30 more crabs. Very localized sites and trapping CPUE has been going down.</p> <p>Brenda: Bachelor herd of 4 elk visited Marrowstone Island for a few days, swam in Mystery Bay. Spotted heading west near Egg and I Road.</p> <p>Liz Hoenig-Kanieski resigned from the MRC, her District 1 Alternate seat is open.</p> <p>Brenda: In December, we will be voting on Executive Committee officers: Chair, Vice Chair, and potentially two representatives on the Commission. To find out what the positions entail, read the bylaws and "What makes a good MRC Chair" on the bottom of the website, talk to past officers to find out time commitment and organizational needs for running a meeting, and attend an upcoming Executive Committee meeting.</p> <p>Memorial for Michael Adams this Saturday, Oct 8th, at Marrowstone Island Garden Club.</p>	Let Monica or Brenda know if you are interested in a Vice Chair position next year.	
ADJOURNMENT	Meeting was adjourned at 8:03PM. Next meeting will be November 1st.	Gordon moved to adjourn, seconded by Joan. Motion passed.	



Jefferson County Marine Resources Committee

Meeting Agenda
Tues, November 1, 2022
6:00-8:00PM
*****Meeting held via Zoom*****

Officers/Executive Committee:

Brenda Johnson, Chair
Troy McKelvey, Vice Chair
Jeff Taylor, NWSC Representative
Sarah Fiskien, 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 Fiskien, 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 October 2022 Minutes
- 6:08** Public Comment
- 6:10** **Guest Speaker**
Bill Kalina, Naval Magazine Indian Island – Marine Resource
Projects at Indian Island
- 6:50** BoCC Report (Heidi)
- 6:55** Port/City of PT Update (Carol)
- 7:00** **Recent Meeting Reports & Issue Updates**
NWSC meeting updates (Jeff)
- 7:05** **Administrative Updates**
Congressionally funded projects (Monica)
Executive Committee Officer elections and MRC projects (Brenda)
- 7:15** **Current and New Project Updates**
- Forage fish – Adelma (Jeff), Dabob (Sarah), Fort Townsend (Sarah)
 - Olympia oysters (Neil)
 - No-anchor zones (Troy)
 - Shoreline landowner outreach (Sarah)
 - Rain gardens (Janette)
- 7:47** Public Comment
- 7:50** MRC Member Roundtable/Announcements
- 8:00** Adjourn

Upcoming Meetings & Events:

November 16, 1-4pm – HCCC Board of Director's [meeting](#)

November 22, 9-10am – Executive Committee meeting

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

December 9, 9am-2pm – Strait ERN fall quarterly [meeting](#)

December 9, 10am-12pm – NWSC monthly [meeting](#)

December 13, 7-830pm – Climate Action Committee [meeting](#)

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

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

Jefferson County Marine Resources Committee

Virtual Zoom Meeting

November 1, 2022 Meeting Minutes

Present:

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

Absent:

Heather Burns, District 3
 Solenne Walker, District 1

Guests: Cheryl Lowe, Jon Waggoner, Leah Robison, Allie Simpson (NWSC), Douglas Milholland

Staff: Monica Montgomery, MRC Coordinator
 Bob Simmons, WSU

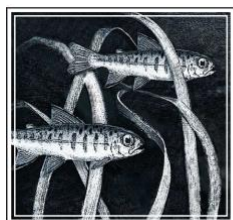
Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Brenda called the meeting to order at 6:00 PM. Brenda welcomed guests and MRC members.	A quorum was present.	All members – please send volunteer hours to Monica
AMENDMENTS TO/APPROVAL OF AGENDA APPROVAL OF MINUTES	Brenda asked for approval/amendments to the agenda. Brenda made an addition to administrative updates – adding a discussion about the MRC funding proviso language revision. Motion to approve the updated agenda by Nam, which was seconded by Troy. Agenda was approved. Brenda asked for approval/amendments to the October 2022 Minutes. Nam moved to approve the minutes, which was seconded by Sarah. Minutes passed.	Nam moved to approve the agenda. Troy seconded. Motion passed. Nam moved to approve the October minutes. Seconded by Sarah. Motion passed.	
PUBLIC COMMENT	Douglas Milholland: Concerned about the clear and present danger the Naval Magazine Indian Island weapons transfer depot poses to the environment.		
GUEST SPEAKER Bill Kalina, Naval Magazine Indian Island	Bill Kalina, Environmental Manager at Naval Magazine Indian Island <u>Indian Island</u> -Weapons station for conventional ordinance -Naval base/purple base, used by joined forces -In 1941 officially a magazine, ideal location for ships to load and unload, protected from heavy winds -14 miles of shoreline on Indian Island -90% of shoreline is undisturbed and functional -600 acres of the island are developed (2100 acres undeveloped) -Delisted from USEPA Superfund list in 2005 (first Navy base on west coast to be removed) -Only deep draft port on the west coast (55 ft draft) -Average of 50 vessels stop at the island each year -170 employees and 3 Naval Reserve Units <u>Natural Resources on Indian Island</u> -10 active bald eagle nest territories -Black-tailed deer herd -Heron rookeries -Harbor seals, river otters, pigeon guillemot colonies		

	<p>-Extensive saltmarsh wetlands and tidal lagoons, freshwater lake, Gary oak stand, seasonal streams and one perennial creek, high bank sandstone bluffs</p> <p>-17 documented archaeological sites</p> <p><u>Kilisut Harbor Restoration</u></p> <p>-Navy began working with NOSC and other partners in 2013</p> <p>-Navy contributed \$1 million in project funding as compensatory mitigation</p> <p>-NMII environmental staff served as TAG members</p> <p>-Construction occurred August 2019-2020</p> <p>-Restored tidal flow and channels, fish passage to 2,300 acres of prime refugia and foraging habitat, improved water quality</p> <p>Beach Seining on Indian Island</p> <p>-USGS Marrowstone Marine Lab staff and Blue Heron Middle School 8th grade students</p> <p>-Annual beach seining events since 2015, 0.2 miles north of restoration project site</p> <p>-Daylight seining over 2-day period with a total of 4 sets</p> <p>-Post Kilisut Harbor restoration, caught over 1,000 salmonids in first beach seine set (compared to less than 10 prior to restoration)</p> <p><u>Forage Fish Surveys</u></p> <p>-Point No Point Treaty Council biologists conduct monthly surveys (sediment sample collections) during semi-lunar tide cycles of intertidal beach areas</p> <p>-Focus on surf smelt and sand lance as indicators of marine ecosystem health</p> <p>-Used to identify beach characteristics with highest egg deposition, peak periods, and seasonal patterns of spawning activity</p> <p>-Identify impaired site condition areas for future restoration projects, provide better understanding of forage fish spawning and interactions with shellfish aquaculture activities</p> <p><u>European Green Crab Monitoring</u></p> <p>-Navy has partnered with WDFW since 2018 to survey Walan Point, Scow Bay and Bishop Spit tidal lagoon and salt marsh areas</p> <p>-Two adult green crab captured in Bishop Spit saltmarsh in 2021</p> <p>-Next survey planned for winter/spring 2023</p> <p><u>Olympia Oyster Survey</u></p> <p>-Navy has partnered with WDFW and PSRF since 2020</p> <p>-Populations of Olympia oysters inhabit SE corner (Scow Bay) of Indian Island Kilisut Harbor beach areas</p> <p>-Annual beach surveys conducted, supplemented with shell stack placement and collection</p> <p>-Anecdotally, more Olympia oyster spat since the Kilisut Harbor restoration</p> <p>Questions</p> <p>Doug: Appreciate the presentation and so glad Kilisut Harbor is returning to a healthy state. Knows the Superfund site was an intensive effort and there are mounds of waste material buried at boggy spit. Given climate change/rising sea levels, what is the Navy's strategy for protective cover over boggy spit and rising tides?</p> <p>Bill: Every year we have a shoreline survey conducted and inspect the sediment cap that you're referring to. Tidal levels have risen, and we are seeing tidal debris coming up higher than it used to. If any area shows weak spots, we bring in additional riprap and fill material.</p> <p>Doug: PCBs were released into Kilisut Harbor when barges unloaded vessels after WWII. I looked in reports about the superfund site, but it was not clear whether the water column was sampled. Is this an issue that falls outside the superfund cleanup?</p> <p>Bill: Part of the remediation was installing ground water monitoring wells; samples are collected biannually as part of the remediation effort.</p> <p>Frank: In the last year or so, I have noticed that intense floodlights around the pier have diminished (lower intensity). Is this intentional to limit impact to juvenile fish?</p> <p>Bill: Yes, exactly. Bright lights are attracting predatory fish, so lights were replaced with lower intensity lights to minimize attracting piscivorous fish that might be preying on juvenile salmonids.</p>	
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	<p>Judy: As a shoreline permit reviewer, I often look at lighting – I know when the dock originally went in the EIS would have covered anticipated impacts. To build on the research and inform permitting agencies, what were the anticipated impacts, were they monitored, and after lighting was adjusted will you monitor for effectiveness? Will this information be shared so others can learn from it?</p> <p>Bill: Most observations were from WDFW staff surveying for juvenile salmonids and rockfish, they probably have the most extensive data. Navy did not survey or monitor under the pier following replacement of the new lights.</p> <p>Neil: I know you have an internship program out there, and I wondered if you had the capacity to work green crab monitoring into the intern program.</p> <p>Bill: Navy employee has been coordinating with Emily Grason, trapping efforts are in the works for next year.</p> <p>Betsy: Marine Science Center volunteers would be happy to help with green crab monitoring efforts on Indian Island.</p> <p>Jeff: Early modeling showed that the Kilisut Harbor channel might close naturally over time with sediment – what do later modeling results show?</p> <p>Bill: Evidence shows that the flow (greater velocity than predicted) will continue to flush channel and it won't fill with sediment.</p> <p>Jon Waggoner: Conducted a lot of early modeling and design on restoration. Early models showed that channel might fill, but that was part of iterative design process. Geomorphologically the channel was open prior to being filled to build the causeway.</p>		
BoCC REPORT	<p>Commissioner Eisenhour – Update from BoCC</p> <ul style="list-style-type: none"> • Chair of Strait Ecosystem Restoration Network (PSP) Kara Cardinal started monthly roundtables to talk about funding opportunities and coordinate projects • Strait ERN website calendar has dates for roundtables • Pleasant Harbor – funding owed to the county based on work county staff has done to get permitting in place, working on staffing agreement (to reimburse the county) • Heard of demolition of structures on the site – there may have been a stop work order • DNR has been working on carbon proposals • Released map for Jefferson County of land parcels they are proposing as phase 2 of their carbon project • A lot of the parcels are around Dabob Bay 		
Port of PT UPDATES	<p>Carol Hasse – Port of Port Townsend</p> <p>Jetty project is going very well, contractor is right on time in terms of their schedule</p> <ul style="list-style-type: none"> • Finished removing rock, pilings that made up N jetty • Dredged spoils will be taken to Tacoma on a barge to a hazardous facility (creosote) • Uncontaminated basalt rock was brought to SW side and is being placed offshore from the S jetty, will be habitat for critters on S jetty when it is removed • Monitoring permit requirements (sediment, turbidity, noise) • Steel pilings from Louisiana will be put in place starting on Thursday, riprap will be set starting tomorrow <p>Port signed letter of intent with Roger Short</p> <ul style="list-style-type: none"> • Port hopes to look at possibility of buying the Short Farm • 253 acres, most recently a cattle ranch, through agreement with the Land Trust the Shorts are committed to selling the whole parcel for agricultural use • Concern of the Port is that community could lose valuable agricultural land • Placeholder for farmers in the future, possibility of developing support systems for those farmers, and to be involved with helping non-profits to rehab the portion of Chimacum Creek running through the property • Port has 4 months to assess potential to acquire the property/benefits to community <p>Discussion</p> <p>Janette: Can you explain what the Port's mission is, why the Port has the mission to protect this land?</p> <p>Carol: Ports were established by WA state due to the concern that the railroads were going to acquire shorelines, valuable property and preclude the public from ownership or possibility</p>		

	<p>of economic development. Port's mandate is economic development. Main goal is to preserve working waterfront, but Port has a lot more flexibility to jump on opportunities than the city or county does. We don't know if it will come to fruition but it's an opportunity that we feel would be of great value to the food resiliency of the county.</p> <p>Joan: How does the Port pay for the farmland?</p> <p>Carol: There are opportunities to partner with nonprofits, we would seek grants and we would seek a model that farmers would lease land.</p> <p>Heidi: Project that the Port of Skagit helped to start: Viva Farms Skagit Valley organic farm, farm incubator, and CSA source for locally grown organic fruit and vegetables</p> <p>Judy: Updates from the City of PT. Construction behind Wells Fargo Bank in PT to upgrade city's sewer pump stations at Gaines Street. Happy to report that we have a draft final report from Cascadia that looks more closely at risks to assets in the city in lower elevations due to coastal flooding. Report made possible by funding given to the North Olympic Development Council. Risk assessment and maps created. Available on city website by the end of the year.</p>		
RECENT MEETING REPORTS AND ISSUE UPDATES	<p>NWSC Update (Jeff) –</p> <ul style="list-style-type: none"> • Jan Newton (UW Applied Physics Laboratory) gave a presentation on buoy system, mostly monitoring wave action, will be maintained by local communities and networked together • In person conference next year (3 days) at Maritime Center • Kelp in the Strait presentation: kelp beds in the Strait are generally healthy, some places are in decline – notably Freshwater Bay in Clallam County (hypothesized to be due to sedimentation from the Elwha Dam) • Aerial images of kelp taken this year should be available soon. Jeff believes that they will show declines in kelp west of where we monitor at North Beach. 		
ADMINISTRATIVE UPDATES	<p>Administrative Updates –</p> <p>Congressionally funded projects (Monica)</p> <ul style="list-style-type: none"> • Submitted project proposals and a budget • Commission staff reviewed it and made slight changes • Gordon and Neil have been working on logistics for spreading shell, additional funds will go to derelict vessel removal • Removed interpretive signs from the proposal (will have another 2-year grant that can fund this project) • Monica will be working on internship descriptions in November or December, will reach out to those that signed up to be mentors <p>Brenda: Request from NWSC to send a letter to the Office of Financial Management to support modification of legislative language.</p> <p>Monica: Language revisions will make funding to MRCs more flexible and efficient.</p> <p>Brenda: Should this letter come from our MRC or should it come from the BoCC?</p> <p>Heidi: Happy to co-sign the letter with the MRC, if most effective.</p> <p>Monica: In the case of this particular letter, I think they are specifically looking for support from the MRCs.</p> <p>Brenda: I propose a change for the second to last sentence of the last paragraph in the template letter provided, to clarify the language.</p> <p>Sarah: I think the letter should come from the MRC. Agree with this wording change.</p> <p>Brenda asked for a motion to send this letter on behalf of the Jefferson MRC to the Office of Financial Management.</p> <p>Neil made a motion to send this letter on behalf of the Jefferson MRC to the Office of Financial Management.</p> <p>Seconded by Sarah.</p> <p>Brenda: Election coming up in December. Encourage anyone interested in serving as Vice Chair of MRC to talk to former chairs, attend Executive Committee meetings, express interest.</p>	<p>Neil moved to approve the letter.</p> <p>Sarah seconded. Motion passed.</p>	

CURRENT & UPCOMING PROJECTS	<p>Forage Fish Monitoring – Sarah sampled last month with Troy and Cheryl. Fort Townsend team plans to sample this Friday. Jeff sampled last month.</p> <p>No-Anchor Zones (Troy) – Will take out buoys along Port Townsend waterfront in November. Need to go out on Marrowstone too.</p> <p>Olympia Oysters (Neil) – Good meeting in October. Need to figure out logistics for spreading shell on new parcel in Discovery Bay. This winter, planning to do Kilisut Harbor community outreach to Marrowstone shoreline landowners. Reconnaissance trip to Broad Spit next summer.</p> <p>Rain Gardens (Janette) – Hosted last workday for this year last week. Completed another round of thistle removal and installed some mulch and plants. Will continue to work on community outreach as we plan our intern position.</p> <p>Shoreline Landowner Outreach (Sarah) – NWSC workshops planned for this fall are being pushed into the new year. New video for shoreline landowners on native plants.</p>		
PUBLIC COMMENT	None.		
MRC Roundtable/ Announcements	None.		
ADJOURNMENT	Meeting was adjourned at 8:00PM. Next meeting will be December 6 th .	Gordon moved to adjourn, seconded by Troy. Motion passed.	



**Jefferson County
Marine
Resources
Committee**

**Regular Meeting Agenda
Tues, December 6, 2022
6:00-8:00PM**

97 Oak Bay Rd, Port Hadlock, WA

Virtual Meeting via Zoom:

Join by computer/device: <https://us06web.zoom.us/j/87038257558>

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

Meeting ID: 870 3825 7558

**Officers/Executive
Committee:**

Brenda Johnson, Chair
Troy McKelvey, 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
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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
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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 November 2022 Minutes
- 6:08** Public Comment
- 6:10** BoCC Report (Heidi)
- 6:15** **Recent Meeting Reports & Issue Updates**
Derelict Vessel Removal Project (Sarah)
- 6:20** **Administration**
Executive Committee Officer Elections (15 min)
Jefferson MRC on County Website (5 min)
2022 Summary of Accomplishments and Project Teams (55 min)
- 7:35** **Current and New Project Updates (as time allows)**
- Forage Fish – Adelma (Jeff), Dabob (Sarah), Fort Townsend (Sarah)
 - Shoreline Landowner Outreach (Sarah)
 - 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:

December 9, 9am-2pm – Strait ERN LIO fall quarterly [meeting](#)

December 9, 10am-12pm – NWSC monthly [meeting](#)

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

December 20, 9-10am – MRC Executive Committee meeting

January 3, 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

December 6, 2022 Meeting Minutes

Present:

Brenda Johnson, Chair, District 2
 Troy McKelvey, Vice Chair, Recreation
 Neil Harrington, Tribal
 Sarah Fiskien, District 3, NWSC Alt.
 Roy Clark, Recreation 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
 Solenne Walker, District 1
 Frank Handler, District 2 Alt

Absent:

Heather Burns, District 3
 Brent Vadopalas, Marine Sci Alt
 Judy Surber, City of Port Townsend
 Carol Hasse, Port of Port Townsend
 Betsy Carlson, Envir/Conserv
 Bryan DeCaterina, Env/Conserv Alt.
 Janette Mestre, District 1

Guests: Sasha Horst, Jon Waggoner, Lucas Hart,
 Kara Cardinal, Dana Oster

Staff: Monica Montgomery, MRC Coordinator

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Brenda called the meeting to order at 6:00 PM. Brenda 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	Brenda asked for approval/amendments to the agenda. Brenda suggested removing the agenda item about Jefferson MRC on the County website. Monica added discussion of returning to in-person meeting. Motion to approve the updated agenda by Gordon, which was seconded by Sarah. Agenda was approved as amended. Brenda asked for approval/amendments to the November 2022 Minutes. Jeff had an addition to the minutes, noting that a decline in the kelp bed at North Beach can be seen in aerial images coming soon. Troy moved to approve the minutes as amended, which was seconded by Solenne. Minutes passed.	Gordon moved to approve the agenda as amended. Sarah seconded. Motion passed. Troy moved to approve the October minutes as amended. Seconded by Solenne. Motion passed.	
PUBLIC COMMENT	No public comment.		
BoCC REPORT	Commissioner Eisenhour – Update from BoCC <ul style="list-style-type: none"> Black Point Resort: no updates Shoreline Master Program: working to get consulting firm under contract to increase capacity to address comments from Ecology Forest land issues & DNR policy is current focus Gordon: Is there a timeline for when the county will accept new comments for SMP? <ul style="list-style-type: none"> Heidi: Not clear yet but will follow up on future public engagement opportunities. 		
UPDATE Derelict Vessel Program	Derelict Vessel Removal Workgroup (Sarah) <ul style="list-style-type: none"> Dana Oster and Lucas Hart are leading the efforts First meeting spent reviewing draft criteria 37 boats from combined MRC lists 3 at Pleasant Harbor do not appear to be eligible for removal but recommended for Vessel Turn-In Program DNR needs more information for realistic removal, including construction, size, condition, etc. Monica: Do we need to regroup to address the extra information for DNR? <ul style="list-style-type: none"> Sarah: That would be a good idea. Frank: There was a derelict vessel washed up on the beach in downtown Port Townsend. Who removed it? Once it was hauled off the beach, it was seaworthy – did it sink before it was taken to where it was going?		

	<ul style="list-style-type: none"> o Heidi: Often, the local organization Salish Rescue responds to vessels in distress and takes them to the Port. o Brenda: Salish Rescue is a nonprofit run by volunteers in Port Townsend. Volunteers do outreach to boat owners. Usually called by the Coast Guard to respond to derelict vessels that are reported. I suggest we invite them to give a talk at one of our meetings. 	Salish Rescue website: https://salishrescue.org/index.html	
MRC BUSINESS	<p>Executive Committee Officer Elections (Brenda)</p> <p>According to MRC by-laws, at the December meeting MRC will elect a chair, vice chair, NWSC representative and alternate. Nominations of chair and vice chair will serve one year.</p> <p><u>Duties:</u></p> <ul style="list-style-type: none"> o Chair is chief executive, responsible for appointing subcommittees, conduct business between meetings, and enforce business rules o Vice chair acts for the chair in their absence o NWSC representative will represent the MRC on the Commission; Alternate will act in their place when necessary o Executive committee includes Coordinator (Monica) and faculty support (Bob) <p>Executive committee meetings are open to all MRC members. Defining the roles of the executive committee is an important task to update in the bylaws.</p> <p>Troy stepped up to be Chair in 2023 Gordon stepped up to be Vice Chair Jeff stepped up to be NWSC Rep Sarah stepped up to be NWSC Alternate</p> <p>Brenda called for a motion to forward the slate of candidates. Joan moved to approve the slate of candidates; Neil seconded the motion.</p> <p>Brenda asked for a vote to approve the list of candidates to their positions. Outcome: all members in the meeting approved of the candidates, including 9 voting members (a majority)</p>	<p>Joan moved to approve the slate of candidates for the MRC executive committee positions. Neil seconded. Motion passed.</p> <p>Brenda asked for a vote to approve the candidates to their positions. 9 voting members of the MRC voted in favor of approving the slate of candidates.</p>	
DISCUSSION Meeting Format	<p>Discussion of Return to In-Person or Hybrid Meetings</p> <p>Gordon: The winter is not a very good time to return to in-person meetings. I know the risks of Covid, but I also think we lose something by not having in person meetings.</p> <ul style="list-style-type: none"> o Sarah: I agree, I feel there's more participation during in person meetings than on Zoom. <p>Brenda: Case rate in the county is high. For indoor meetings, it's strongly recommended to wear a tightly fitting N95 mask. Monica has been working to hone skills for hybrid meetings. People will continue to want the option.</p> <p>Gordon: When the weather is nicer, I think we could have our meetings in an open venue and use the OWL.</p> <p>Monica: We talked about rotating meeting locations around different parts of the county. We will be required to have a physical meeting location once the emergency order from the county is no longer in place. We can continue to revisit this.</p>		
ADMINISTRATIVE UPDATES	<p>2022 Summary of Accomplishments and Project Teams</p> <p><u>Grant year Oct 2021-Sept 2022</u></p> <ul style="list-style-type: none"> o Volunteer hours: over 1,800 hours o Two thirds of the time were dedicated to projects (education, restoration) o One third of volunteer time came from community volunteers o In-kind contributions from Port of PT, Jamestown S'Klallam Tribe, Taylor Shellfish, Hama Hama Oyster Co. <p><u>Forage fish spawning surveys</u></p> <ul style="list-style-type: none"> o Nam: In the documented forage fish spawning maps a lot of the recent data is from the MRCs, and they result in real shoreline protections. A recent project had to apply a forage fish spawning protection window because of spawning events documented by the MRC. o Brenda: Is adding another site still on the table? 		

	<p>there a location to find opportunities online? Do opportunities come up in meetings?</p> <ul style="list-style-type: none"> o Monica: Email me. <p>Joan: Some people went to Climate Change & Shellfish Impacts last week. It seems like the MRCs could be used in a rapid response program for an acute event.</p> <ul style="list-style-type: none"> o Neil: I will make sure the MRCs are updated about the response plans and can be involved where possible. <p>Brenda: Call for future topics and speakers. If you have ideas, please let Monica know and it will be added to our ongoing list of possibilities for the future.</p>	jeff.co.mrc@gmail.com	
MRC ROUNDTABLE/ ANNOUNCEMENTS	<p>Sarah: I am retiring from my job at the end of the month, so I will have more time to devote to the MRC.</p> <p>Jeff: Neil, you mentioned green crab were down in the south end of Discovery Bay. Should we get involved or have Sea Grant get people trained to monitor that area?</p> <ul style="list-style-type: none"> o Neil: Yes, I think we should discuss this at the next meeting. Can that be added to the agenda for next month? I think it is a volunteer/intern activity. <p>Troy: Last Sunday Neil gave a lecture at Fort Worden about green crab. He did a great job, very impressive. There will be a recording – Marine Science Center website.</p>	<p>A recording of Neil's presentation is available on the PTMSC Youtube page: https://www.youtube.com/watch?v=akYKztrb3d0</p>	
ADJOURNMENT	Meeting was adjourned at 8:03PM. Next meeting will be January 3 rd .	Gordon moved to adjourn, seconded by Neil. Motion passed.	