

Jefferson County Marine Resources Committee

Meeting Agenda

Tues, Jan 8, 2019

Port Commissioners Bldg.

333 Benedict St, Port Townsend, WA

AGENDA

Officers/Executive Committee:

Gordon King, Co-Chair

Emily Bishop, Co-Chair

Jeff Taylor NWSC Representative

Sarah Fiskén, NWSC Alternate

MRC Members:

Ashley Mackenzie, District 1

Emily Bishop, District 1

Shannon Davis, District 1, Alt.

Andrew Palmer, District 2

Jeff Taylor, District 2

Frank Handler, District 2, Alt.

Wade Crouch, District 3

Sarah Fiskén, District 3

Jackie Gardner, District 3 Alt

Al Bergstein, Environment

Anna Bachmann, Environment
Alt.

Steve Tucker, Port of PT

Gordon King, Commercial
Interest

Nam Siu, Marine Science

Judy D'Amore, Marine Science Alt.

Kate Dean, BOCC

Troy McKelvey, Recreation

Roy Clark, Recreation Alt.

Judy Surber, City of Port

Townsend

Neil Harrington, Tribal

_____, U.S. Navy, Indian Is.

Staff:

Cheryl Lowe, Coordinator

Robert Simmons, WSU Faculty

c/o WSU Jefferson Extension

121 Oak Bay Rd

Port Hadlock WA 98339

www.jeffersonmrc.org

Jeff.Co.MRC@gmail.com

6:00 pm

Call to Order/Roll Call

Guest Introductions

Submit volunteer hours.

6:05 pm

Amendments to/Approval of Agenda

Amendments to/Approval of December 2018 Minutes

6:10 pm

BoCC Report (Kate Dean)

6:20 pm

Administrative

NWSC update

MRC presentations to BOCC and City Council

Guest speakers at Feb MRC mtg

6:30 pm

Current & Upcoming Projects

- Education (Ashley) – 10 min

- Shellfish Forum (Jackie) – 5 min

- Olympia oysters (Neil) – 10 min

- Rain Gardens (Bob) – 10 min

- No-Anchor Zones (Gordon) – 10 min

- Forage Fish – 5 min

- Kelp Monitoring – no update

7:20 pm

Recent Meeting Reports & Issue Updates

NWSC

Pinto abalone MRC comment letter?

Dept of Ecology (Atlantic salmon) comment letter?

Mussel Watch report follow-up

Strait ERN mtg report

Point Hudson (Nam)

7:50 pm

Public Comments

7:55 pm

MRC Member Roundtable/Announcements

8:00 pm

Adjourn

Meetings, Events and Dates to Remember

Jan 22 – PT City Council - MRC in brief public comments, 6:30pm

Jan 25 – NWSC mtg in Coupeville

Feb 2 – Sound Waters University, Whidbey Island

Feb 5 – MRC monthly meeting

Feb 7 – Chumsortium, WDFW office, 9 am

Feb 22 – Strait ERN, Blyn JSK campus, 9:30a -2:30p

**Jefferson County Marine Resources Committee
Port Commissioners Bldg.
333 Benedict St, Port Townsend, WA
January 8, 2019 Meeting Minutes**

Present:

Gordon King, Commercial Interest, Chair
Emily Bishop, District 1, Vice-Chair
Ashley Mackenzie, District 1
Jeff Taylor, District 2, NWS Rep.
Frank Handler, District 2 Alt.
Wade Crouch, District 3
Sarah Fisksen, District 3, NWS Alt.
Al Bergstein, Environment
Anna Bachmann, Environment Alt.
Nam Siu, Marine Science
Judy D'Amore, Marine Science Alt.
Greg Brotherton, *ex officio*, BOCC
Roy Clark, Recreation Alt
Judy Surber, City of Port Townsend
Neil Harrington, Tribal

Guests:

Betsy Carlson, PTMSC
Tom Madison Shellfish Farmer
Matt McCoy, Attorney for Tom Madison
Ella Ashford, underwater robotics team
Peter Rhines, PTMSC

Absent:

Shannon Davis, District 1 Alt.
Andrew Palmer, District 2
Jackie Gardner, District 3 Alt.
Steve Tucker, Port of Port Townsend
Troy McKelvey, Recreation

Staff:

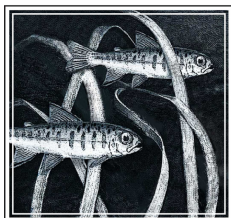
Cheryl Lowe, Coordinator; Robert Simmons, WSU Faculty

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Gordon King called the meeting to order at 6:00 PM. There was a round of introductions as guests were present.	A quorum was present.	All members – please sign in and record volunteer hours.
AMENDMENTS TO/APPROVAL OF AGENDA APPROVAL OF MINUTES	Gordon requested Ella be allowed to speak after approval of Minutes. Nam moved to approve agenda as amended; seconded by Sarah. Approved as amended. Gordon asked for amendments/approval of December minutes. It was noted Roy Clark is Recreation Alternate. Nam moved to approve as amended; seconded by Wade. Approved as amended.	Nam Siu moved to approve as amended, Sarah Fisksen seconded. Motion passed unanimously. Nam Siu moved to approve as amended. Wade Crouch seconded. Passed as amended.	
BoCC REPORT	Commissioner Brotherton – Members welcomed Greg Brotherton, the new BoCC representative. Greg is pleased to be part of MRC. This year, the County will be updating the Critical Areas Ordinance and Shoreline Master Program. Cheryl will arrange a meeting with Greg and Gordon to provide an overview of the MRC. <u>Others are welcome to attend.</u>	Cheryl will arrange a meeting with Greg and Gordon to provide an overview of the MRC.	
Ella Ashford – Student Ambassador PTHS STEM club	Ella is a senior at PTHS. In a recent competition the robotics team placed 4th in the world! Students built a 10k ROV and would like to put it to good use in the community before they move onto their next project. Al added that he visited their lab and was very impressed. Q&A on ROV specs, cameras etc. Possible range? Currently 75 feet (tether length) but theoretically could go to 500 feet. Designed for use in the Puget Sound. It can transmit live. Bob suggested pre-project footage of PT sewer outfall. Cheryl suggested scheduling a time for MRC members with a project idea to meet with Ella and look at possibilities.	Cheryl will schedule a time to look at possible applications for the ROV.	
ADMINISTRATIVE (Cheryl)	NWSC Update (Jeff): This month's web-meeting featured WDFW's Hank Carson. Hank gave the Pinto Abalone presentation he had recently presented to this MRC. NWSC finances were also discussed. NWSC is looking at new funding sources in anticipation of federal cut backs. Tom Cowan and Lucas asked MRC members to speak with commissioners on importance of federal funding. Jeff has met with Kate Dean. Kate requested MRC draft a letter linking NWSC funding to adopted PSP strategies; she can then incorporate that into a letter to state legislators. Cheryl noted Jefferson MRCs current grant is good		All – Please report annual conference expenses to Cheryl.

	<p>thru Sept. 2019, however, the MRC may need to prepare for possible funding cuts in the 2020 budget. If NWSC goes away, funding for MRC staff would go away. However, MRC is an advisory to BoCC. Coastal MRCs are funded by WDFW.</p> <p>Please report annual conference attendance to Cheryl. Caroline update? We expect an update from Ann Murphy soon. Al announced Phil Johnson passed away this morning. Several members expressed gratitude for Phil's years of service.</p> <p>Clallam MRC has invited Jefferson MRC members to attend a presentation on WA Dept of Ecology's Geographic Response Plan (Oil Spill Preparedness).</p> <p>MRC presentations to BOCC and City Council – On Jan 22, Cheryl and Bob will speak to City Council during public comment. The two will thank Council for City's participation on rain garden projects. On Feb. 4 at 1:30, Cheryl and Gordon will provide a presentation to BoCC about MRC's 2018 activities. All are welcome to attend. In future, the Executive Committee recommends reporting to BoCC biannually vs. annually.</p> <p>Guest speakers at Feb MRC meeting: Cheryl has arranged for Rich Childers on Ocean Acidification and Dana Oster, Marine Program manager from NWSC.</p>		
Current and Upcoming Projects	<p>Education (Ashley) – Subcommittee met early December to discuss 2019 strategy. Committee agreed to continue crabber outreach; digging for dinner; theater ads; updates to BoCC; place-based learning with PT Maritime Discovery Program; raingardens and voluntary no anchor buoy outreach. Decided to scale back on WBF, share a booth with WA Sea Grant and WSU. Al recommended more radio outreach - he is DJ with KPTZ. They are willing. If you have suggestions for radio features let him know.</p> <p>Cheryl noted theater ads are now running at the Rose theatre and BoCC report has been scheduled. She expanded on the PT Maritime Discovery Program. Kitsap County and Oak Harbor schools will also participate!</p> <p>Shellfish Forum (Cheryl) - Subcommittee met yesterday. Confirmed 6/28 with NWMC 1-5pm. Group is now fine-tuning audience targets and assembling lists of topics and speakers. Meeting again in February. She will circulate Ron Thom's 2017 proceedings from eelgrass/aquaculture workshop.</p> <p>OlyOyster (Neil) - Cheryl and Neil recommend focusing on Quilcene and Disco and described location of test plots. For 2019 suggest monitor all the test plots. Will need shell transfer permit to place clean shell in April in Discovery Bay. Volunteer opportunities include: survey in March; place shell in April; survey of 2014 restoration site in July and Quilcene surveys during very low tides.</p> <p>Rain gardens (Bob) requested volunteer to chair the committee. 2019 installation projects include: 1) Lincoln and Adams (City and OCEAN Program students as partners) to be installed in April. 2) Collaborating with County for Center Road north of Hwy 101 near cemetery. Estimating September installation.</p> <p>Maintenance needed for a few sites. Currently our partnership has produced 8 rain gardens. Often adjacent homeowner or a Master Gardener will maintain but a few still need a volunteer 'steward'. Bob would like MRC to step in and organize or recruit for maintenance. Brief discussion ensued on importance of recognizing on-going maintenance commitments associated with projects. It was suggested that raingardens be a topic for an interview on KPTZ.</p> <p>No-Anchor Zones (Gordon) – Gordon needs to speak with Troy and Steve. He is concerned about the state of some of the hardware. Need to arrange replacement, ideally in winter. Cheryl has reapplied for renewal of the DNR right-of-entry permit for PT Bay buoy field, as current permit expires this year.</p> <p>Forage Fish (Jeff)- Found eggs in the last 2 months. Going out this Sunday. Cheryl requested copy of lab report. Another index site at Cape George was started by a Stream Steward/Beach Naturalist. 2019 sampling plan has not been solidified.</p>	Cheryl will circulate Ron Thom's recommended 2017 proceedings from eelgrass/aquaculture workshop.	

	<p>Fort Townsend (Wade) - Field visit a week ago Monday and took samples. Have not received those results yet. Oct - Nov results found forage fish eggs. Going out again next Monday for January sampling. Cheryl noted finding fish eggs in various sample sites, not the same location each time.</p>		
Recent Meetings Reports	<p>NWSC - covered previously.</p> <p>Pinto abalone MRC comment Letter? Cheryl asked if MRC wants to submit a letter of support? Ashley called for question, Neil seconded - discussion ensued. Gordon called for vote: passed unanimously. MRC needs a volunteer to draft the letter for MRC approval vote at February meeting. Cheryl to check into the protocols - does letter go to BoCC or directly to the agency? Al suggested if process is more complicated, please send a draft letter to all members so that we can send as individuals. Al and Neil volunteered to draft comment letter for next meeting. Exec Committee or full MRC will review, depending on timing.</p> <p>DOE (Atlantic Salmon) comment letter - Do we want to comment either individually or as an MRC? Bob Simmons provided handout and overview of Ecology news release "Ecology boosts water quality protections existing Atlantic Salmon net pens - updated permits will regulate Atlantic salmon farming until 2022 ban". Nearest Farms are in BI and PA. Discussion ensued. Roy, Nam, Al and Gordon volunteered to watch Jan. 30 webinar and to report back at next meeting. Bob will send link for ECY info.</p> <p>Mussel Watch report follow-up - Cheryl explained mussel watch program for benefit of guests. Sample cages at 90 plus sites for 90 days. All are pulled at the same time and samples sent to a lab through WDFW. MRC put out a cage near World Mark on west side of Discovery Bay. We received raw data results, expect full report from WDFW in Spring 2019. In interim, Neil suggested comparing results to data from previous years. In addition to standard testing, MRC asked for aluminum in Disco Bay cage; raw data has been received. (Tom Madison also received the data and it is available through public records request). Anna suggested Mats Mats and Oak Bay be included in next round.</p> <p>Strait ERN mtg report - Bob attended. Cheryl noted main thing was deciding how to allocate local LIO discretionary funding. Top 3 recommendations: Clallam County Regional Stormwater Management Plan; Landowner outreach along Strait east of Dungeness Rivers; culvert replacement. Funding goes to #1 and only rolls down if for some reason #1 doesn't need funding.</p> <p>Point Hudson (Nam) - Interview in PDN of new Port Director re: replacement of the breakwater there. Currently rethinking in context of historical preservation. Fact that they are rethinking it brings project back to forefront. Nam encourages MRC to provide public input. At very least find out more about what is being considered. Cheryl will check with Port about critical time line and request presentation at future meeting. Emily noted article says build two years out and suggested checking in with historical advocates.</p>	<p>Ashley Mackenzie moved MRC submit letter of support regarding WDFW Pinto Abalone listing; Neil Harrington seconded. Motion passed unanimously.</p> <p>Cheryl to check into protocols regarding MRC letters of support. If letter goes via BoCC, Cheryl to send copy of draft letter to all members.</p> <p>Al and Neil volunteered to help draft the letter. Exec Committee to review or full MRC.</p> <p>Roy, Nam, Al and Gordon to watch Jan. 30 webinar and report back at next meeting. Bob will send link for ECY info.</p> <p>Cheryl will check with Port about critical time line and request presentation at future meeting.</p>	
Public Comment	<p>Tom Madison, Discovery Bay shellfish grower for over 30 years: In 2015 he witnessed a "huge environmental assault". He brought his concerns to the group in January of 2016. MRC sponsored Mussel Watch testing when it was next available. Tom followed up with a pathology test that indicated toxic release. He passed around oyster shell samples at the meeting. Tom said issues were identified at all the sites he's monitored. In 2017 he did metal analysis of shells; it is ubiquitous in the Bay. It was proven that there were elevated levels of several metals in the Bay (copper, aluminum, zinc). Tom said analysis proves it was a recent release. Tests by EPA. Proven toxic release and it's ongoing. Tom has reviewed MRCs mussel watch data and he says it's consistent with other testing.</p> <p>Tom has a clam lease at the south end of the bay. Olympia oysters on his lease area have died out. He hasn't seen a set there in years. Tom requested data on shell stacks at our monitoring sites. Cheryl noted that the MRC has already provided all the data on shell stacks that the MRC has in our files, as per Tom's public records requests.</p> <p>Betsy Carlson of PTMSC announced they have started a new project with WDFW to collect long-term data measuring clam shells (5 species) to see if any there is any erosion due to Ocean Acidification. This coming Sunday, Dr. Jan Newton with UW gives</p>	<p>Cheryl to send link to announcement of Ms. Newton's presentation.</p>	

	a presentation at the Chapel - Cheryl will send link. Al received copy of book entitled "Toxic Pearl" which he has donated to MRC library. Self-published. Bob and Sarah noted other useful sources on the topic.		
MRC Roundtable/ Announcements	Cheryl asked for any volunteers for ROV follow up. Wade indicated he was interested in following up with Ella. Nam - Shore-friendly Program may be potential funding source. This program has been implemented in Kitsap and King Counties and is now inviting new grant proposals. Proposals due April 15. Suggested having Kitsap come give an overview.		
ADJOURNMENT	Nam and Ashley moved to adjourn: 8:03		



Jefferson County Marine Resources Committee

Meeting Agenda Tues, Feb 5, 2019

Jefferson Co Library Meeting Rm
620 Cedar Ave, Port Hadlock, WA

Officers/Executive Committee:

Gordon King, Chair
Emily Bishop, Vice-Chair
Jeff Taylor NWSC Representative
Sarah Fiskien, NWSC Alternate

MRC Members:

Ashley Mackenzie, District 1
Emily Bishop, District 1
Shannon Davis, District 1, Alt.
Andrew Palmer, District 2
Jeff Taylor, District 2
Frank Handler, District 2, Alt.
Wade Crouch, District 3
Sarah Fiskien, District 3
Jackie Gardner, District 3 Alt
Al Bergstein, Environment
Anna Bachmann, Environment
Alt.
Steve Tucker, Port of PT
Gordon King, Commercial
Interest
Nam Siu, Marine Science
Judy D'Amore, Marine Science Alt.
Greg Brotherton, BOCC
Troy McKelvey, Recreation
Roy Clark, Recreation Alt.
Judy Surber, City of Port
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Neil Harrington, Tribal
_____, U.S. Navy, Indian Is.

Staff:

Cheryl Lowe, Coordinator
Robert Simmons, WSU Faculty
c/o WSU Jefferson Extension
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AGENDA

6:10 pm

Call to Order/Roll Call
Guest Introductions
Submit volunteer hours.

6:15 pm

Amendments to/Approval of Agenda
Amendments to/Approval of January 2019 Minutes

6:20 pm

BoCC Report (Greg Brotherton)

6:30 pm

Guest Speakers:
Rich Childers (WA Dept of Fish & Wildlife)
*Addressing Changing Ocean Conditions: A Resource Managers
Perspective*
Dana Oster (NWSC Marine Program Manager) *with an
update on NWSC projects*

Administrative

7:15 pm

MRC presentations to BOCC and City Council
Shoreline outreach update

7:20 pm

Current & Upcoming Projects

- Shellfish Forum (Jackie) – 5 min
- Forage Fish – 5 min
- Olympia oysters – no update
- Rain Gardens & No-Anchor Zones – no update
- Education & kelp monitoring – no update

7:30 pm

Recent Meeting Reports & Issue Updates

NWSC (Jeff) -5 min
Pinto abalone MRC comment letter (Al/Neil)-10 min
Dept of Ecology (Atlantic salmon) comment letter? (Bob)
Outfall pipe sub-committee? (Nam)

7:50 pm

Public Comments

7:55 pm

MRC Member Roundtable/Announcements

8:00 pm

Adjourn

Meetings, Events and Dates to Remember

Feb 7 – Chumsortium, WDFW office, 9 am

Feb 22 – Strait ERN, Blyn JSK campus, 9:30a -2:30p

March 5 – MRC meeting

**Jefferson County Marine Resources Committee
Jefferson Co. Library Meeting Room
620 Cedar Ave., Port Hadlock, WA
February 5, 2019 Meeting Minutes**

Present:

Gordon King, Commercial Interest, Chair
Emily Bishop, District 1, Vice-Chair
Shannon Davis, District 1 Alt.
Jeff Taylor, District 2, NWS Rep.
Frank Handler, District 2 Alt.
Wade Crouch, District 3
Al Bergstein, Environment
Anna Bachmann, Environment Alt.
Steve Tucker, Port of Port Townsend
Nam Siu, Marine Science
Judy D'Amore, Marine Science Alt.
Greg Brotherton, *ex officio*, BOCC
Troy McKelvey, Recreation
Judy Surber, City of Port Townsend

Absent:

Ashley Mackenzie, District 1
Andrew Palmer, District 2
Sarah Fiskien, District 3, NWS Alt.
Jackie Gardner, District 3 Alt.
Roy Clark, Recreation Alt.
Neil Harrington, Tribal

Guests:

Rich Childers, Dana Oster, Tom Madison, Josh Peters, Danielle Zitomer, Lee Merrill

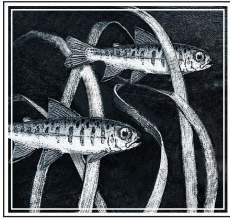
Staff:

Cheryl Lowe, Coordinator; Robert Simmons, WSU Faculty

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Gordon King called the meeting to order at 6:10 PM. There was a round of introductions as guests were present.	A quorum was present.	All members – please sign in and record volunteer hours
AMENDMENTS TO/APPROVAL OF AGENDA APPROVAL OF MINUTES	Gordon asked for approval/amendments to the Agenda. Al requested 10 minutes at end of agenda for legislative update. Cheryl asked to add Crabber outreach under Education & Kelp Monitoring. Jeff Taylor moved to approve as amended; seconded by Steve Tucker. Approved as amended. Gordon asked for amendments/approval of January minutes. Nam Siu moved to approve, seconded by Greg Brotherton. Motion passed unanimously.	Jeff Taylor moved to approve the Agenda as amended; seconded by Steve Tucker. Approved as amended. Nam Siu moved to approve January Minutes, seconded by Greg Brotherton. Motion passed unanimously.	
BoCC REPORT	Commissioner Brotherton: 1) MRC Letter on Pinto Abalone - There was some concern with Commissioners about whether advisory boards could send letters directly, or should it go via Commissioners? More conversation is needed. Pinto abalone letter has not yet been sent. Greg asked that Cheryl confirm with Phillip Morley before sending an MRC letter. Al and Cheryl noted individuals can send the letter as an individual. (See later discussion.) 2) Greg attended a presentation by WA Maritime Blue - funded by WA Dept of Commerce. Triple bottom line. Seems to dovetail with MRC goals. May be a good future presentation to MRC.	Cheryl to confirm protocol with Phillip Morley before sending MRC letter of support for Pinto Abalone change to State listing.	
Guest Speaker: Rich Childers (WDFW)	Rich Childers (WDFW) "Addressing Changing Ocean Conditions: A Resource Managers Perspective". He is the only WDFW staff assigned to reviewing this issue. He will send presentation to Cheryl to post on website. WDFW partnered with UW School of Marine and Environmental Affairs on project "Concerns and priorities in the context of changing ocean conditions". Getting input from around the state. He discussed 4 goals of the project - essentially identify concerns re: changing conditions and inform priorities, improve linkages, and connect the results to broader efforts. Work was conducted in two phases. Phase I information gathering included interviews and online survey (92 responses). Identified needs include more research on plankton and reducing nutrient loading. Survey asked level of concern on various issues: OA and water		

	<p>temperature ranked highest. SLR was top for tribal managers. When asked to rank priorities: biological responses of species (species tolerance) to changing ocean conditions ranked highest. Increased monitoring in nearshore environments second. Final Project Deliverable will be a 2-page summary - will be posted in the next few months at http://oainwa.org/mrac</p> <p>Rich then highlighted several partners and programs that are monitoring resource impacts related to ocean changes.</p> <p>Marine Resource Advisory Council (MRAC) mandated by legislature to look at OA in WA state. A WA OA Center was also funded by the legislature. Key Documents: 2012 Blue Ribbon Panel Report on OA and 2017 Addendum to Blue Ribbon Panel Report</p> <p>Q&A: Are their projections for future OA levels for our area? Yes. Oly Oyster very tolerant, Dungeness Crab low tolerance. There is a lot of local variation. Eelgrass and kelp bed provide good buffering effect.</p>		
Guest Speaker: Dana Oster (NWSC Marine Program Manager)	<p>Dana provided an update on NWSC projects.</p> <p>1) Kelp Conservation and Recovery Plan for Puget Sound. Started at end of 2017 in partnership with NOAA in association with rockfish recovery. She provided an overview of the project timeline. There are many data gaps that need to be prioritized. Feb. 28 workshop planned at Padilla Bay. An on-line survey was conducted. Top priorities: Human impacts, physical and biological stressors, priority areas, distribution and trends.</p> <p>Also related to kelp, watch for MRC Kelp Monitoring Workshop this coming spring.</p> <p>2) 2019-2020 RFPs for MRC operating support will be coming up soon. Increased emphasis this year on measuring outcomes.</p>		
ADMINISTRATIVE (Cheryl)	<p>MRC presentations to BOCC and City Council. Yesterday, Bob, Greg, Cheryl, Gordon and Lucas met with BOCC to give an update on projects (forage fish/shoreline armoring/rain gardens); pinto abalone letter came up as well. Will meet with BOCC again in six months. Cheryl shared handouts that were provided to the BOCC and City Council. She will send via email too. Lucas discussed funding scenario with BOCC—MRC funding is still unknown. The expectation is we will get EPA funding next year but that's only about 1/2 our funding. NWSC is trying to secure State funding. BOCC feedback - they appreciated the shoreline armoring work; supporting the SMP. They had some good questions about forage fish. MRC input would be beneficial to County SMP and CAO updates.</p> <p>City Council - Bob and Cheryl gave update. Focused on partnership on raingardens. Seemed well received.</p> <p>Shoreline Outreach Update (Cheryl) – Last year's grant with Foundation funded realtor workshops/vegetation management workshops. Foundation also paid for meetings with 17 property owners on best management of their shoreline properties. Grant ends in March 2019. Looking for new funding options and strategies on this topic. There's a Shore-friendly grant coming out - Cheryl is coordinating with Patty Charnas at County DCD. Jeff noted storm damage has opened some opportunities. Nam noted that the Shore-friendly grant, while it doesn't fund outreach, it does have ability to fund actual work.</p>	Cheryl to email handouts that were provided to the BOCC and City Council.	
Current and Upcoming Projects	<p>Shellfish Forum (Cheryl) – Status report: hired a facilitator Samantha Thomas, scheduled for June 28 at NWMC, who will be listed as co-sponsors. Now in process of inviting speakers and going over program topics. Next meeting is end of February.</p> <p>Forage Fish (Jeff) - Found eggs in Dec and Nov. Our volunteers' egg count consistent with WDFW count. Both sand lance and surf smelt this year.</p> <p>Olympia oysters - no update</p> <p>Rain Gardens & No Anchor - no update</p> <p>Education & kelp Monitoring: Crabber Outreach (Cheryl): Jackie & Cheryl met last week with Jason & Clallam MRC team. NWSF grant to look at a more complete study of how crabber outreach impacts crabber behavior in 2 locations; one is PT Bay. Jackie taking the lead. Coordinating with Clallam MRC.</p>		

Recent Meetings Reports	<p>NWSC - Jeff attended meeting on Camano Island. Anne Murphy reported on funding, which is still up in the air. Lucas met with Mindy Roberts from WA Environmental Council on possible funding ideas. Florian Granger showed the Island County film and discussed opportunities for doing films for other MRCs.</p> <p>Pinto Abalone MRC Comment Letter (Al) – Discussion. Al and Neil drafted a letter. Cheryl sent to MRC. Jeff commented on use of correct terms. Greg: BOCC questioned the potential regulatory consequences. Dana noted NWSC will be sending letter of support - abalone is endangered. Once listed, then they would develop a recovery plan and circulate for comment. Then we'd know about possible consequences.</p> <p>Steve - what are the negative ramifications - we should look into it before we respond? Can we not rebuild the jetty? Cheryl responded: Hank's feedback was that when there are only two or three abalones, best action is to place them in a hatchery. End of March deadline for letters. Cheryl asked Dana for copy of the NWSC letter. MRC members could look to the draft MRC letter and the NWSC and draft their own letters. Cheryl will coordinate with BOCC to see if the MRC letter will go forward.</p> <p>DOE (Atlantic Salmon) comment letter - (Bob) Did anyone watch the webinar for permitting for existing facilities that will be phased out by 2022? Seems it will be more restrictive. Can MRC write a letter in support of the changes? See above discussion. Shannon noted we are advisory to BOCC. No decision made to draft a letter.</p> <p>Outfall Sub-committee (Nam) - waiting to have another sub-committee meeting to further the discussion.</p>	Cheryl to forward a copy of the draft MRC and the NWSC letter. MRC members may choose to write letters individually. Cheryl will coordinate with BOCC to see if the MRC letter will go forward.	
Public Comment	Tom Madsen thanked Gordon for investigating shellfish mortality in Disco Bay.		
MRC Roundtable/Announcements	<p>Jeff. Co Environmental Health initiating two new WQ monitoring projects: Oak Bay/Matts Matts and Matts Matts to Toanados Peninsula. Two more on-going, one in Brinnon and one in PT Bay. Mostly bacterial sampling.</p> <p>On Thursday, Senate Environment, Energy and Technology Committee will vote to advance bill which will improve prevention of oil spills related to transport of oil.</p>		
ADJOURNMENT	Meeting was adjourned at 7:52		



Jefferson County Marine Resources Committee

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AGENDA

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6:00 pm

Call to Order/Roll Call
Guest Introductions
Submit volunteer hours.

6:05 pm

Amendments to/Approval of Agenda
Amendments to/Approval of January 2019 Minutes

6:09 pm

Public Comment

6:15 pm

BoCC Report (Greg Brotherton)

6:20 pm

Guest Speaker (Jim Pivarnik)

Update on Port of Port Townsend & Point Hudson

6:50 pm

Administrative

Pinto abalone MRC comment letter (Greg)

7:00 pm

Current & Upcoming Projects

- Shellfish Forum (Jackie) – 5 min
- Forage Fish (Jeff/Wade) – 2 min
- Shoreline Armoring - HCCC (Cheryl) -2 min
- Outfall advisory (Nam) – 5 min
- Crabber outreach (Jackie) – 2 min
- Olympia oysters – no update
- Rain Gardens & No-Anchor Zones – no update

7:20 pm

Recent Meeting Reports & Issue Updates

NWSC (Jeff)- 5 min
Derelict Boats discussion (Gordon) – 10 min
NWSC Kelp Recovery Plan workshop (Emily) – 5 min
Strait ERN (Cheryl) – 5 min
Chumsortium (Cheryl) – 2 min

7:50 pm

Public Comments

7:55 pm

MRC Member Roundtable/Announcements

8:00 pm

Adjourn

Meetings, Events and Dates to Remember

March 14 – Deadline for WSU Beach Naturalist applications

March 29 – NWSC Web-Ex meeting

Apr 2 – MRC monthly meeting

**Jefferson County Marine Resources Committee
Port Commissioners Bldg.
333 Benedict Street, WA
March 5, 2019 Meeting Minutes**

Present:

Gordon King, Commercial Interest, Chair
Ashley Mackenzie, District 1
Emily Bishop, District 1, Vice-Chair
Shannon Davis, District 1 Alt.
Andrew Palmer, District 2
Jeff Taylor, District 2, NWS Rep.
Frank Handler, District 2 Alt.
Sarah Fiskens, District 3, NWS Alt.
Jackie Gardner, District 3 Alt.
Al Bergstein, Environment
Anna Bachmann, Environment Alt.
Steve Tucker, *ex officio*, Port of Port Townsend
Nam Siu, Marine Science
Judy D'Amore, Marine Science Alt.
Greg Brotherton, *ex officio*, BOCC
Troy McKelvey, Recreation
Judy Surber, City of Port Townsend

Absent:

Wade Crouch, District 3
Roy Clark, Recreation Alt.
Neil Harrington, Tribal

Guests:

Amy Leitman, Marine Survey and Assessments
Jim Pivarnik, Port of Port Townsend
Josh Peters, DNR

Staff:

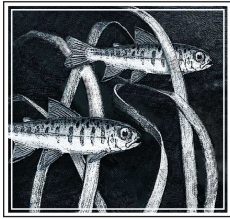
Cheryl Lowe, Coordinator

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Gordon King called the meeting to order at 6:00 PM. There was a round of introductions as guests were present.	A quorum was present.	All members – please sign in and record volunteer hours
AMENDMENTS TO/APPROVAL OF AGENDA APPROVAL OF MINUTES	Gordon asked for approval/amendments to the Agenda. Steve Tucker moved to approve; seconded by Nam Siu. Approved. Gordon asked for amendments/approval of February minutes. Gordon, Jeff and Al noted minor corrections. Nam Siu moved to approve the minutes as amended; second by Jackie Gardner. Motion passed unanimously.	Steve Tucker moved to approve; seconded by Nam Siu. Approved. Nam Siu moved to approve the minutes as amended; second by Jackie Gardner. Motion passed unanimously.	
PUBLIC COMMENT	None.		
BoCC REPORT	Commissioner Brotherton: Greg met with Cheryl for overview of MRC history and context. He also met with Scott Brewer of Hood Canal Coordinating Council. Learning a lot. Pinto abalone letter supported by BOCC and will sign and forward to Cheryl. He noted that Tami Pokorny (Coastal MRC may also be signing onto the letter as well. BoCC will finalize the letter and send it to WDFW with MRC name in it. In future, Greg noted MRC is advisory board so letters and information should be funneled up thru BoCC. Troy: Pinto Abalone - Consider idea of moving the abalones to a hatchery now, before any new regulations. Cheryl said this could be a suggestion for WDFW, but not something the MRC could do. Nam agreed it would be a WDFW function. It is a protected species and he advised against picking one up. Greg continued: BoCC approved Capital Public Infrastructure funds to help fund \$150K toward Point Hudson jetty replacement and several other projects.		
Guest Speakers: Jim Pivarnik	Jim Pivarnik, Port of PT - Presentation on history and mission. Mission is to "Serve community", "Sustainable economic growth",		

(Port of Port Townsend)	<p>provide public access and protect resources and maritime heritage. Formed in 1925 in troubled economic times. One of 5 original goals was to create a fisherman's haven - which they did - Boat Haven 1938. He noted the recent December 20, 2018 storm damaged portion of breakwater. Estimated \$300k to fix.</p> <p>Shared photo of Point Hudson 1952 & breakwater. Bids for replacing the existing breakwater with a sheet pile wall were approx. \$5 million. This was the preferred option by permitting agencies. Port cannot afford it. Community wanted rock wall. Plan now is to repair it - 150 steel piles with rock cages. Proposed design would include replacing the walkway. Estimated cost \$2.5 to 3 million. Don't know what agencies will say yet. Agencies will likely require two creosote piles be removed for every pile put in. Two opportunities to mitigate via creosote removal: Quincy Street dock or old submarine net anchor - but these may not be popular with artists/divers. Looking for options, preferably on Port property in same watershed. Port plans to retain a contractor now to work with the engineer through the bidding process. Get permits by Sept 2019. Construction October – January 2020. Need to comply with fish windows and want to avoid major events (WBF).</p> <p>Future: Significant infrastructure needs (breakwaters, docks). Management plan in place, Port to go systematically through and prioritize. Other needs include Environment (work yards, industrial runoff) and Social (protecting heritage; funding).</p> <p>Stormwater - Meeting benchmarks for NPDES last 3 months. Using/exploring new methods of treatment.</p> <p>Preservation Plan - investigating the pros and cons of becoming National Historic area which may open federal funds.</p> <p>He is Interim Director - will be here for about one year and will help commissioners to find new director.</p> <p>Q&A -Is SLR a consideration in design? Jim says goal is 30-year fix. Nam relayed divers' input. WA Scuba Alliance has experience in moving organisms before construction. Jim noted last year's repairs were about \$200K. Land-based stormwater treatment ideas: Port placing pismeters to determine where soil percs. Looking for locations for rain garden. Sims Way drainage has created wetlands. Working with Parametrix and Ecology. Needs about 1/4 acre.</p> <p>Plans for Point Hudson - Working with company called "Artifacts" on a Preservation Plan (estimate plan completed at end of year)- which would include new upland development. Judy noted difficulty of locating stormwater pond in flood zones. Perhaps it could be paired with Kah Tai wetland creation which was discussed in years past by Audubon? She asked if Port would be proposing any SMP amendments for the 2020 update? Jim replied they are not expecting to be ready for that process. Jim described needed boat ramp repairs: Quilcene location of next Commission meeting to hear from the community about their vision for that facility. Port is working with EDC re: cold storage for farmers -possible location at the airport.</p>		
ADMINISTRATIVE (Cheryl)	ADMIN - covered previously.		
Current and Upcoming Projects	<p>Shellfish Forum (Jackie) - Selected facilitator and met to discuss objectives and strategies. In process of developing list of speakers. Committee will meet again next Monday. Cheryl added that we are planning for about 60 people to attend. June 28, 1/2 day forum at NWMC. Jackie shared overview of forum topics.</p> <p>Forage Fish (Jeff/Wade) – Jeff said it was too frosty to go down stairs to Aldelma beach in Feb. Troy reported on Fort Townsend site--good day but cold.</p> <p>Shoreline Armoring (Cheryl) – Two adjacent Disco Bay shoreline landowners are interested in removing armoring (about 900 feet). NWSF managing project--preliminary design just about done. She and Lisa went to HCCC Lead Entity committee to describe the project for possible funding. It was encouraging to hear support for nearshore restoration projects. Cheryl listed other potential partial funding sources. Some beach nourishment also part of the proposed project. Lisa is lead on grant writing.</p> <p>Outfall Advisory (Nam) - Subcommittee met last Friday.</p>		

	<p>Discussed literature that has been gathered so far. No new revelations. Working on list of questions for the City and looking at more literature. REEF may have info from past surveys in that area.</p> <p>Crabber Outreach (Jackie) - NWSF received grant for crabber education spanning a 3-year period. Two MRCs will focus on PT Bay and Dungeness Bay. All pots will be swept up before crabbing season, then targeted education, then each year another sweep for pots to gauge success of education efforts. Will stuff envelopes of info to be placed in crab pots in retail stores around the County. Community volunteers may help. Planning for two programs/presentations. Grant allows for an intern.</p> <p>Oly Oyster (Cheryl) Neil and WDFW coming up with initial date for co-managers to come up with baseline measurement in March. Taylor Shellfish will provide clean shell.</p> <p>Rain Gardens - No updates.</p> <p>Anchors - Troy, Gordon and Steve went out in a Port boat to check winter buoys in PT Bay. Replaced some of the tackle. Cleaned buoys off and checked alignment. This should make it easier to place the Summer buoys. Plan is to GPS locations. West end buoy is still missing. Frustrating to learn the grounded boat's anchor is in the eelgrass near Boat Haven.</p>		
Recent Meetings Reports	<p>NWSC (Jeff)- Short Webinar meeting this month. New governors' appointee. Nan and Jerry's terms are up. Sheida stepped down from PSP. Lucas working on contingency plan in case no state funding for NWSC/MRC's. Don Hunger is Interim NWSF Exec.</p> <p>Derelict Boats discussion (Gordon and Jeff)- Sunken boat at Boat Haven and larger 85- foot boat at Discovery Bay. Source of pollution. Gordon tried calling DNR - Host of laws surrounding derelict boats. Shannon noted San Juan County had a successful program until funding ran out. Steve has spoken with SJ. He plans to discuss with new Jefferson County Sheriff. Takes coordination between agencies. Discussed benefits of MyCoast as database which relays info to DNR to get on their list for removal. Snohomish MRC and Snohomish County have had some success, but County contributed funds. City/County/Port can claim custody of a boat but not ownership. State Dept. Of Enterprise helps connect with contractors to dispose of the boats. Members discussed steps involved. Gets expensive, but also potential to auction off boats. Possibly invite a DNR speaker or Snohomish MRC to learn more about the process? Cheryl will ask for Snohomish MRC project report. May pick this up at a future meeting. Members encouraged to report derelict boats on MyCoast app.</p> <p>NWSC Kelp Recovery Plan workshop (Emily) - Third workshop by NWSC - writing a kelp recovery plan with NOAA funding. Started with data gaps in first meetings. This meeting was a gathering of those who could implement action including MRCs, Tribes, Feds, WDFW. Nam and Judy D. attended too. Break out discussions to review data gaps and identify actionable items. Next workshop is with managers in the Fall. Nam added that kelp data gap is specific to Salish Sea. There is data from other regions. Judy D. noted monitoring of North Beach beds provides valuable data. East of Dungeness Spit kelp is in decline. But other areas healthy. Emily noted that, according to the data we collected, Helen Barry (DNR) said data indicated North Beach bed is decreasing but Emily doesn't think so.</p> <p>Strait ERN Meeting – Cheryl attended. Several interesting speakers:</p> <ul style="list-style-type: none"> • Geographic Response Plan, there's an opportunity for us to comment on the Eastern Strait geographic area plan. Andy suggested Snow and Salmon Creek. (Contact: Susan Vezeau with Ecology). Greg mentioned Department of Emergency Management also working on a project may have similar goals. • Clallam Co. Fish barrier/culvert removal project (Cheryl shared handouts) • PSP Vital Signs for Human and Health and Quality of Life (handout) 	<p>Cheryl will ask for Snohomish MRC project report. May pick this up at a future meeting.</p> <p>Members encouraged to log boats on MyCoast app.</p>	

	Chumsortium (Cheryl) – At meeting the group discussed use of glyphosate to remove invasive species - pros and cons.		
Public Comment	None.		
MRC Roundtable/ Announcements	<p>Troy: WDFW passed new law - if fishing for ling cod or halibut, you're required to carry a device (SeaQualizer) designed to release rockfish by-catch. Troy has spares if anyone interested in helping distribute and educate fisherman. There's a new informational sign at Boat Haven. He will also contact Anglers.</p> <p>Nam - data from kelp monitoring - poster - Snohomish tracked loss of kelp around drainage outfalls.</p> <p>Cheryl – sent FYI info about a public hearing for new shellfish aquaculture proposal in Clallam County.</p> <p>Ashley's lab needs lab tech.</p>		
ADJOURNMENT	Meeting was adjourned at 8:04		



Jefferson County Marine Resources Committee

Meeting Agenda Tues, April 2, 2019

Port Commissioners Bldg.
333 Benedict St, Port Townsend, WA

AGENDA

Officers/Executive Committee:

Gordon King, Chair
Emily Bishop, Vice-Chair
Jeff Taylor NWSC Representative
Sarah Fiskén, NWSC Alternate

6:00 pm

Call to Order/Roll Call
Guest Introductions
Submit volunteer hours

6:05 pm

Amendments to/Approval of Agenda
Amendments to/Approval of March 2019 Minutes

6:09 pm

Public Comment

MRC Members:

6:15 pm

BoCC Report (Greg Brotherton)

Ashley Mackenzie, District 1
Emily Bishop, District 1
Shannon Davis, District 1, Alt.
Andrew Palmer, District 2
Jeff Taylor, District 2
Frank Handler, District 2, Alt.
Wade Crouch, District 3
Sarah Fiskén, District 3
Jackie Gardner, District 3 Alt.
Al Bergstein, Environment
Anna Bachmann, Environment
Alt.
Steve Tucker, Port of PT
Gordon King, Commercial
Interest
Nam Siu, Marine Science
Judy D'Amore, Marine Science Alt.
Greg Brotherton, BOCC
Troy McKelvey, Recreation
Roy Clark, Recreation Alt.
Judy Surber, City of Port
Townsend
Neil Harrington, Tribal
_____, U.S. Navy, Indian Is.

6:20 pm

Administrative

Project Planning for:

- 2019 NWSC- MRC Operating Grant RFP (35 min)
- 2019 NWSF Opportunity Fund Grant (15 min)
- 2019 NWSF Orca Outreach programs (10 min)

7:20 pm

Current & Upcoming Projects

- Kelp Monitoring (Judy/Jeff) – 5 min
- Dig for Dinner/Crabber Ed (Ashley/Jackie)- 5 min
- Shellfish Forum (Jackie) – 5 min
- Forage Fish (Jeff) – 1 min
- Outfall advisory (Nam) – 5 min
- Rain Gardens (Bob)- 5 min
- Olympia oysters (Neil)- 5 min
- Shoreline Armoring – no report
- No Anchor Zones – no report

7:45 pm

Recent Meeting Reports & Issue Updates

NWSC (Jeff)- 5 min

7:50 pm

Public Comments

7:55 pm

MRC Member Roundtable/Announcements

8:00 pm

Adjourn

Staff:

Cheryl Lowe, 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

Meetings, Events and Dates to Remember

Apr 10 – Oly Oyster baseline monitoring

Apr 22 – Oly Oyster shell deployment

Apr 26 – NWSC meeting in Port Townsend

Apr 2 – MRC monthly meeting

May 3 Strait ERN mtg

Jefferson County Marine Resources Committee
Port Commissioners Bldg.
333 Benedict Street, WA
April 2, 2019 Meeting Minutes

Present:

Gordon King, Commercial Interest, Chair
Emily Bishop, District 1, Vice-Chair
Jeff Taylor, District 2, NWS Rep.
Frank Handler, District 2 Alt.
Jackie Gardner, District 3 Alt.
Steve Tucker, *ex officio*, Port of Port Townsend
Nam Siu, Marine Science
Troy McKelvey, Recreation
Roy Clark, Recreation Alt.
Judy Surber, City of Port Townsend
Neil Harrington, Tribal
Sarah Fiskens, District 3, NWS Alt.
Wade Crouch, District 3

Absent:

Ashley Mackenzie, District 1
Shannon Davis, District 1 Alt.
Andrew Palmer, District 2
Al Bergstein, Environment
Anna Bachmann, Environment Alt.
Judy D'Amore, Marine Science Alt.
Greg Brotherton, *ex officio*, BOCC

Guests:

Lucas Hart (NWSC), Dana Oster (NWSC)
Peter Rhines, Betsy Carlson

Staff:

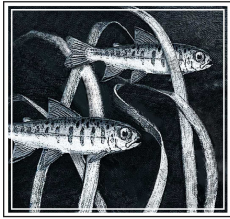
Cheryl Lowe & Bob Simmons

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Gordon King called the meeting to order at 6:00 PM. There was a round of introductions as guests were present.	A quorum was present.	All members – please sign in and record volunteer hours
AMENDMENTS TO/APPROVAL OF AGENDA APPROVAL OF MINUTES	Gordon asked for approval/amendments to the Agenda. Jeff Taylor added Kelp Monitoring Forum on April 18 at NWMC. Nam Siu moved to approve the agenda as amended; seconded by Jeff Taylor. Approved. Gordon asked for amendments/approval of March minutes. Gordon noted that Taylor Shellfish is providing shell, but donation part is still under discussion. Jackie requested correction to Clallam Crabber education location. Someone requested changing "Grounded" boat outside Boat Haven to "sunk".	Nam Siu moved to approve the agenda as amended; seconded by Jeff Taylor. Approved. Jackie Gardner moved to approve as amended. Wade Crouch Seconded. Motion Passed Unanimously. Cheryl to edit and finalize March minutes.	
PUBLIC COMMENT	None.		
BoCC REPORT	Commissioner Brotherton was unable to attend.		
ADMINISTRA- TIVE (Cheryl)	2019 NWSC – MRC Operating Grant RFP 2019 NWSF Opportunity Fund Grant 2019 NWSF Orca Grant Outreach programs Cheryl referred to materials previously sent via email. For the NWSC MRC Operating grant, the group needs to decide on projects for Oct 1, 2019-Sept. 30, 2020. She referred to the MRC's Strategic Plan crafted in 2018. The MRC can confirm continuation of existing projects or discuss options. Cheryl previously sent draft budget to provide members with a sense of what we've spent on existing projects. If we are fully funded (i.e., \$74,000) again next year the draft budget shows how the funds could be divided. If for some reason state funding does not come through, there may be a need to prioritize. Lucas added; Senate budget includes doubling State funding for NWSC for next biennium. Not in the House Budget currently. Senate Ways and Means Committee today. Next step is for House and Senate to meet and resolve their two budgets. In addition to State funding, we have two other NWSF funding opportunities. 2019 NWSF Opportunity Fund Grant and 2019 NWSF Orca Outreach programs. Cheryl led the group through a Flip Chart exercise:		

	<p>1) Things we are currently doing that we want to continue:</p> <ul style="list-style-type: none"> • Stormwater (rain gardens on-going maintenance); • Kelp monitoring; • Eelgrass buoys; • Oly Oysters; • Forage Fish monitoring; • Shoreline education and restoration (armoring); • Education and outreach (specific ideas for future efforts might include crab gear/ferry issues; Point Hudson/creosote, helium balloons, SLR) • Advisory - City and County SMP <p>2) Other possibilities:</p> <ul style="list-style-type: none"> • Derelict boats (educational info on process) • Shoreline Restoration - Cheryl suggested some ideas but grant funding may limit what can be done. • Point Hudson artificial reef - Nam thought not much the MRC could do. Better suited to Scuba Alliance. • Point Hudson Mitigation Public Education? (Cheryl thinks it could fit into Education task) • City Sewer Outfall • Mussel Watch (approx. \$3k) - Coordinate with Jefferson County Health (JCH). Could redo Discovery Bay and/or add more sites (outfall site) • Kelp restoration? (Nam added there is a bill in state legislative process to exempt kelp restoration from SEPA review) • Green crab monitoring? Cheryl noted other entities covering it; however, Jackie and Neil reported that Sea Grant may not have funding to carry on with the volunteer monitoring next year. MRC could take over volunteer coordination. Neil described WDFW and Tribal efforts and thought MRC could possb. 		
Public Comment	Robbie Robichaux interrupted the meeting to tell Steve (Port of PT representative) that he will be reporting to OSHA tomorrow about bright boat welding occurring in Boat Haven.		
ADMINISTRATIVE (Cheryl) (continued)	<p>Continued discussion - Whatever we select must be consistent with NWSC goals. Re: question of matching funds, we have not had a problem having enough matching funds in past years. Cheryl discussed budget for the existing projects. She noted Stormwater and Oly oyster tend to be highest. Forage fish is very low cost. In response to questions, Cheryl reported Lisa at NWSF has been following up with previous Shoreline Landowner Workshop attendees and found the workshops have changed behavior.</p> <p>In Cheryl's estimation, we are at capacity - if we put something on our list, something needs to come off unless it's research/advisory and members take on the work (Cheryl's time is limited). Internships increase MRC capacity but also require someone to manage/mentor them.</p> <p>In response to Oly Oyster proposed budget question: 2018-2019 cost included permit/SEPA review at Jefferson County. Cost in 2019-2020 should be substantially less.</p> <p>Suggestions:</p> <ul style="list-style-type: none"> • Green Crab monitoring - Opportunity Fund 2020 • Derelict Boats - Gordon suggested he and Steve continue to research <p>(Bob Simmons joined the meeting)</p> <ul style="list-style-type: none"> • Eelgrass buoys – we mustn't lapse on maintenance <p>Q&A: Kelp monitoring- is that still in kayaks or have protocols changed? If so, does that change costs? - Cheryl lumps citizen science/monitoring together in the budget. In two-weeks we will know more if there are changes in protocols. Emily does not anticipate any big changes.</p> <p>Summary for Operating Grant - Retain existing projects. Cheryl will use current budget as a template. She asked should we prioritize if budget cut. Lucas suggested that could be addressed at a subsequent meeting if necessary.</p> <p>Other grant opportunities:</p> <ul style="list-style-type: none"> • NWSF Opportunity Fund has up to \$10,000 for this calendar year. MRC can propose a project and/or could apply for assistance of "Foundation fellow" managed by NWSF. • Orca Grant - Education related to State's ORCA 	<p>2019 NWSC – MRC Operating Grant RFP - Cheryl to use current budget as a template.</p> <p>Bob suggested a part-time person to coordinate rain-garden training/maintenance volunteers. He will draft the NWSF Opportunity</p>	

	<p>recovery efforts.</p> <p>If we want to go for these grants, we'd need a volunteer to make the application.</p> <p>Pros and cons of intern were discussed.</p> <p>Given the MRCs calendar this summer, we have a full plate.</p>	<p>Fund and/or Orca grant application(s) and Nam and Wade will review.</p>	
Current and Upcoming Projects	<p>Kelp Monitoring - (Jeff) Subcommittee met last month. Helen Berry and Susan Schull looked at the data which seems to suggest that the bed shrank. MRC subcommittee doesn't think so. They will adjust the monitoring methods using lay lines and GPS and they'll add monitoring in the higher intertidal.</p> <p>Dig for Dinner/Crabber Ed (Jackie) Under the grant for Crabber Education, we are sharing intern with Clallam (who is advertising for the intern positions. Jackie will work with Roy and Troy to coordinate outreach sessions. Grant calls for inviting elected officials to witness derelict gear removal, including County Commissioners or our State Representative. (Tharinger or Van de Wege were suggested). Jackie will follow through with invitation.</p> <p>Digging for Dinner – Cheryl reported Ashley is working on it. Date set for May 10 in Quilcene.</p> <p>Shellfish Forum (Jackie) – Subcommittee met today. Tying down presenters and program. Cheryl announced confirmed speakers and forum format. Goal is general education on shellfish aquaculture.</p> <p>Forage Fish Jeff sampled last week. No results yet. Seems to be a herring bloom in Discovery Bay today.</p> <p>Outfall (Nam) no meeting updates. Will coordinate with group.</p> <p>Raingardens (Bob) End of this month rain garden install at Lincoln and Adams. He will be looking for volunteers for April 29 and 30th. He received County plans for their work on Center Road for future raingarden on Tom Brotherton's property.</p> <p>Oly Oyster (Neil) He and Chris Eardly will conduct baseline monitoring in Discovery Bay April 10 with volunteers. April 22 we'll spread shell from Taylor Shellfish. Future work not yet scheduled for Quilcene Bay. Cheryl - due to renew permits. Cost is not much but time investment.</p> <p>Shoreline Armoring - no report</p> <p>No Anchor Zones - no report - Troy did check on them. Just the one missing from PT Bay at south end.</p>	<p>Jackie will follow through with invitation to elected official(s) to witness derelict gear removal.</p>	
Recent Meetings Reports	<p>NWSC (Jeff)- Jeff attended the two-day retreat end of last month. Take-aways: Clarification of NWSC, NWSF relationship was useful, with Ann Murphy providing history. They will be working on messaging for this topic. Jeff also got clarification on how monitoring fits into "Actions to Impacts" analysis that Dana is working on. Also, a discussion about MRC's need for considering core competency about communications and outreach when looking for new members. Nicole will be providing notes on main points to help NWSC representatives communicate with their MRCs.</p>		
Public Comment	<p>Betsy Carlson- PTMSC raised 3 tanks of baby abalone over the last year. Funded by PSRF. They will be planted in an undisclosed location - almost 1000 of them! BioBlitz event and Beach cleanup day at Fort Worden. PTMSC open all week. Looking at OA by looking at shellfish collected by WDFW - ongoing monitoring. Intertidal monitoring now starting up if anyone interested. Injured Elephant Seal by Beckett Point may have been attacked by a transient Orca.</p> <p>Two upcoming meetings on Pier Reconstruction -</p> <ul style="list-style-type: none"> April 9, 4-6pm. Focus on PTMSC perspective April 18th at 6pm. Info from WA State Parks planners 		
MRC Roundtable/Announcements	<p>Cheryl: Beach Naturalist Course has two great speakers coming - she sent invite. One on OA and one on Sea Level Rise.</p> <p>Nam: May 1 7:30-8:30 - Wilderness Wednesdays at Disco Bay Detour. He will speak on nearshore harvesting.</p> <p>May 28 6-9 Algae Pressing in Bremerton, space is limited. See Kitsap WSU extension to sign up.</p> <p>April 18 Kelp Forum 11:00-4:30 - contact Dana at NWSC. full.</p>		

	Jeff - Caroline Gibson attended the NWSC retreat.		
ADJOURNMENT	Meeting was adjourned at 8:04		



Jefferson County Marine Resources Committee

Meeting Agenda Tues, May 7, 2019

Port Commissioners Bldg.
333 Benedict St, Port Townsend, WA

AGENDA

Officers/Executive Committee:

Gordon King, Chair
Emily Bishop, Vice-Chair
Jeff Taylor NWSC Representative
Sarah Fiskén, NWSC Alternate

6:00 pm

Call to Order/Roll Call
Guest Introductions
Submit volunteer hours

6:05 pm

Amendments to/Approval of Agenda
Amendments to/Approval of April 2019 Minutes

6:09 pm

Public Comment

MRC Members:

6:15 pm

BoCC Report (Greg Brotherton)

Ashley Mackenzie, District 1
Emily Bishop, District 1
Shannon Davis, District 1, Alt.
Andrew Palmer, District 2
Jeff Taylor, District 2
Frank Handler, District 2, Alt.
Wade Crouch, District 3
Sarah Fiskén, District 3
Jackie Gardner, District 3 Alt.
Al Bergstein, Environment
Anna Bachmann, Environment
Alt.

6:20 pm

Special Presentations

Jeff Taylor - New satellite imagery for kelp monitoring
Emily Bishop - Hood Canal Bridge: Impacts to Salmon

Steve Tucker, Port of PT
Gordon King, Commercial
Interest
Nam Siu, Marine Science
Judy D'Amore, Marine Science Alt.
Greg Brotherton, BOCC
Troy McKelvey, Recreation
Roy Clark, Recreation Alt.
Judy Surber, City of Port
Townsend
Neil Harrington, Tribal
_____, U.S. Navy, Indian Is.

6:50 pm

Administrative

2019-21 MRC Operating Grant update (10 min)
2019 Opportunity Fund (NWSF) update (4 min)
Summer meeting schedule (1 min)

7:05 pm

Current & Upcoming Projects

- Kelp Monitoring (Judy/Jeff) - 2 min
- Dig for Dinner (Ashley) - 5 min
- Crabber Ed (Jackie) - 5 min
- Shellfish Forum (Cheryl) - 8 min
- Rain Gardens (Bob) - 8 min
- Olympia oysters (Neil) - 8 min
- Shoreline Armoring (Cheryl) 1 min
- No Anchor Zones - no report
- Forage Fish (Jeff) - no report
- Outfall advisory (Nam) - no report

7:45 pm

Recent Meeting Reports & Issue Updates

NWSC (Jeff) - 5 min
Strait ERN (Cheryl) - 2 min

Staff:

Cheryl Lowe, 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

7:52 pm

Public Comments

7:55 pm

MRC Member Roundtable/Announcements

8:00 pm

Adjourn

Meetings, Events and Dates to Remember

May 3 Strait ERN mtg

May 10 - Digging for Dinner

May 31 - NWSC meeting - Web-Ex

June 4 - MRC monthly meeting

**Jefferson County Marine Resources Committee
Port Commissioners Bldg.
333 Benedict Street, WA
May 7, 2019 Meeting Minutes**

Present:

Gordon King, Commercial Interest, Chair
Emily Bishop, District 1, Vice-Chair
Ashley Mackenzie, District 1
Andrew Palmer, District 2
Jeff Taylor, District 2, NWS Rep.
Sarah Fiske, District 3, NWS Alt.
Al Bergstein, Environment
Anna Bachmann, Environment Alt.
Nam Siu, Marine Science
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Greg Brotherton, *ex officio*, BOCC
Troy McKelvey, Recreation
Roy Clark, Recreation Alt.
Judy Surber, City of Port Townsend
Neil Harrington, Tribal

Absent:

Shannon Davis, District 1 Alt.
Frank Handler, District 2 Alt.
Wade Crouch, District 3
Jackie Gardner, District 3 Alt.
Steve Tucker, *ex officio*, Port of Port Townsend

Guests:

Betsy Carlson, Brian DeCaterina

Staff:

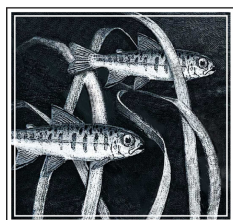
Cheryl Lowe, Coordinator
Bob Simmons, WSU Faculty

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Gordon King called the meeting to order at 6:01 PM. There was a round of introductions as guests were present.	A quorum was present.	All members – please sign in and record volunteer hours
AMENDMENTS TO/APPROVAL OF AGENDA APPROVAL OF MINUTES	Gordon asked for approval/amendments to the Agenda. The agenda was approved by consensus. Gordon asked for amendments/approval of April minutes. It was noted that Sarah and Wade were present, draft shows them as absent. Cheryl asked for clarification for kelp monitoring program notes. Approved as amended by consensus. Cheryl will make corrections.	The agenda was approved by consensus. April minutes approved by consensus as amended. Cheryl to edit and finalize April minutes.	
PUBLIC COMMENT	None.		
BoCC REPORT	Commissioner Brotherton reported he's had lots of field trips to help him get oriented including: forage fish field trip with MRC, upcoming Digging for Dinner, NWSC board meeting, and a tour of Duckabush estuary with WDFW who will be replacing bridges as part of a \$90 million dollar, multi-year project. He's also interested in NOSC preliminary study which includes potential purchase of properties along Snow Creek. Some of the properties identified for purchase are currently commercial spaces. He would like input on pros and cons of these proposals. Nam commented on pros of restoring historic habitat function, also these properties are a high flood risk. Purchase requires a willing seller. Gordon suggested NOSC as future speaker on this topic.	Cheryl will inquire about NOSC as future speaker on this topic.	
	While Cheryl loaded Jeff's presentation members made several announcements: Al Bergstein: State bills that support Orca recovery will be signed tomorrow. One of them gives WDFW more authority in HPAs. Greg Brotherton: Sewer for Indian Island is nearing its end of life. He will find out where current outfall discharges. Members discussed concerns with Navy activities and would like to learn more. Greg will inquire. Nam: Emily and Nam dove near the PT sewer outfall two weeks ago and took some video. Would like to share video with the group. Visibility dropped dramatically at the outfall (approx. 25-	Greg to inquire with Navy regard sewer outfalls.	

	<p>28 feet depth). Substrate around outfall is sandy but the structure itself has kelp growing on it. He plans to monitor once a month. Emily: it didn't look any different at the discharge point than the area around it. Nam: didn't see any fouling but may be too early in the season.</p>		
<p>Special Presentation</p> <p>Jeff Taylor - New satellite imager for kelp monitoring</p>	<p>Jeff Taylor gave a presentation entitled Satellite Imagery for Kelp Surveys (& other stuff) – Aerial and satellite imagery has been gathered to augment the MRC's kelp survey work thanks to: Russ McMillian, Helen Barry, and Greg Ridder on aerial images, and Sarah Schroeder for satellite images (infrared).</p> <p>Jeff discussed satellite imagery options, each with different resolution, frequency, bands and costs. Some may be appropriate for MRC's kelp monitoring efforts. He is working with landSAT series 30 meters per pixel with imagery collected every 16 days. Though typically used for agriculture, UC Davis is trying to use it for kelp. Other options include:</p> <p>Private satellites - greater detail (1.6 meters per pixel) but you must schedule it.</p> <p>2015 Sentinel: 10-meter resolution, every five days. Free. Smaller beds cannot be seen. Difficult to capture data at slack tide. 5 day fly over but you must take into consideration tides etc. to get true comparisons, so actually only a few a year are useful.</p> <p>2017 Planet Labs launching high resolution satellites that come over every day.</p> <p>Many as easy to use as Google Earth! Could monitor all large beds in the Salish Sea. Using IR requires processing. Could be semi-automated.</p> <p>Results from the North Beach Kayak Survey 2016-2018, raised some questions: did N. Beach really lose 50% of its kelp in a two-year period? Jeff did area calculations using satellite imagery (Sept. 2017 compared to Sept. 2018) and found about a 24% loss in one year.</p> <p>Nam is also looking at imagery and noted stipe kelp likely not showing up as well as canopy kelp.</p> <p>Next Steps: Jeff and Dana are moving geo-referenced images to ARCGIS. Will use free Sentinel data for now. Consider adding other sources. Possible project for NWSC Intern.</p> <p>Andy and Judy D'Amore recalled previous aerial imagery for eelgrass. Andy queried whether DNR is still providing annual aeriels. Emily noted the DNR pilot may be retiring so they are looking at options.</p>		
	<p>While Cheryl loaded Emily's presentation members made several announcements:</p> <p>Neil: WA Sea Grant green crab monitoring program was funded for another year.</p> <p>Jeff: State came through for the NWSC funding! \$455,00 per year for next biennium. (\$900k for the biennium). Lucas will go to D.C. to advocate for continued Federal funding for NWSC as well. Cheryl: New State funding will start in July and runs on a different cycle than federal funding. We still have a percentage of EPA funds that help support our efforts. Thus, Lucas' ask in DC.</p> <p>NWSC Board changes: Alan Clark replaces Paul Clampet as NWSC Chair.</p>		
<p>Special Presentation</p> <p>Emily Bishop - Hood Canal Bridge: Impacts to Salmon.</p>	<p>Emily Bishop - Hood Canal Bridge: Impacts to Salmon. Emily is independent contractor working with Port Gamble S'Klallam Tribe. She gave an overview of salmon bearing systems along the Hood Canal. She summarized 2006-2010 data from Survive the Sound campaign which tagged salmon and tracked mortality. Found high mortality (of steelhead at the bridge: 2006 4.9%, 2007 5.7%, 2008 6.5%. In 2009, with construction on bridge removing a portion of bridge, mortality dropped to 0%. In 2010, it was 34% mortality of steelhead vs. 1% total probable mortalities anywhere else. Likely other species too, but steelhead larger and thus easier to tag.</p> <p>What is causing the mortalities at the bridge? NOAA, WDFW,</p>		

	<p>Tribes, and others looking into the issue. Emily shared video clips from the bridge. High density of sea life passing! Used Blue View acoustic video in the pools. Seals feeding day and night in the pools.</p> <p>How many seals at the bridge? Monitoring by WDFW says one. Methods may not be effective. Tribe's surveys show many more. But simply removing seals wouldn't be effective, there are several other predators (e.g., porpoise and birds). Fish see bridge as a barrier, turning left and right, staying there for days, which makes them vulnerable to predators.</p> <p>Noise does not seem to be an issue. It seems the design of the structure is the issue. WSDOT has allowed access for the studies and will take studies into account in future design.</p> <p>Bridge also changes water velocity; salmon also avoid changes in velocity, which may be another factor. A report is currently being drafted.</p>		
ADMINISTRATIVE (Cheryl)	<p>Reminder, MRC sits within the WSU County Extension Department. Extension is interviewing candidates for the Director position. If you are interested, consider attending the May 30 candidates forum.</p> <p>Grant update: 2019-2021 MRC Operating grant update - increased funds from State. We will receive \$91k starting Oct. 2, 2019; \$65k must be spent by June 30th, 2020. Different budget cycles make it challenging. Cheryl shared draft revised budget allotting the increased funds. Highlights include:</p> <ul style="list-style-type: none"> Increasing Admin which could support a second part-time administrative staff. Bull kelp, forage fish, eelgrass buoys stayed about the same. Rain gardens, Education Outreach, and Oly Oyster bumped up a bit. <p>Good news is, with State's two-year biennium funding, budget planning is every two years; we can amend next year if needed.</p> <p>Discussion: Make sure budget includes funds for 2 more eelgrass buoys. Cheryl will find out more about upcoming Mussel Watch opportunities. Some asked if with extra money, will we need extra match? Cheryl noted that we've never had a problem with match before. Additional money may allow us to do something else, such as more effort on community outreach (articles, ads, etc.). Neil moved to approve budget with additional funds for buoy equipment. Seconded by Nam. Passed unanimously.</p> <p>Cheryl -highlighted a few ideas from other MRCs: MRC 20th anniversary celebratory events in other counties; Snohomish is initiating creosote pile inventory with MyCoast app; San Juan is promoting their "Plastic Free Salish Sea." Program. We can discuss further next month.</p> <p>2019 Opportunity Fund (NWSF) update - We submitted the grant, trying to increase capacity for Rain Garden maintenance support in partnership with Master Gardeners.</p> <p>Summer meeting schedule: Consider canceling one of the summer meetings/having a picnic? Consensus to cancel the July 2 meeting.</p>	<p>Neil Harrington moved to approve budget with additional funds for buoy equipment. Seconded by Nam Siu. Passed unanimously.</p> <p>Discuss further next month.</p> <p>Consensus to cancel the July 2 meeting.</p>	
Current and Upcoming Projects	<p>Kelp Monitoring (Judy D) Team is doing same kind of monitoring as last year, with slight adjustments. If interested in joining in kayak survey, coordinate with Judy D.</p> <p>Dig for Dinner (Ashley) – Event this Friday. Over 50 people signed up. It will be fabulous.</p> <p>Crabber Ed (Cheryl) Local officials invited to sit on observer boats (Wade and Troy's boats) as derelict pots pulled from the water. Press releases being prepped for workshops. PT Leader reporter will attend crab pot removal. NWSF survey found 255 derelict crab pots in PT Bay.</p> <p>Shellfish Forum (Cheryl) June 28th save the date. More info forthcoming.</p> <p>Rain Gardens (Bob) On April 30th another RG installed in partnership with City at Lincoln and Adams. Adopted by AAUW for maintenance. Thanks to MRC members and PT students etc. who helped with planting. Looking for truck to haul mulch to other sites for raingarden maintenance. Gordon may be able to</p>		

	<p>help. Next potential site? Tom Brotherton's site in Quilcene (County partnership) and Tyler and Jefferson in City.</p> <p>Oly Oysters (Neil) Disco Bay: We spread over 100 bags of cultch with six volunteers. Went well. Tentatively August 1 Quilcene monitoring survey. Maybe Disco Bay survey the same week.</p> <p>Shoreline Armoring (Cheryl) - skipped in interest of time.</p> <p>No Anchor Zones (Troy) Will deploy summer season PT buoys soon. Steve Tucker unable to help temporarily but Port has generously offered employee and boat while Steve is out. One winter buoy was lost but enough rope was left behind that we were able to grab it and attach additional rope to replace the buoy.</p> <p>Forage Fish (Jeff) sampled Adelma beach with guest Greg Brotherton. Not doing the lab work during summer.</p> <p>Outfall advisory (Nam) You Tube video available for viewing. Seems to support leaving outfall in place. Judy S: City's consultant preparing SEPA checklist and will schedule scoping meeting with agencies.</p>		
Recent Meetings Reports	<p>NWSC (Cheryl) 2018 Annual NWSC report is now available online and several printed copies passed around.</p> <p>Strait ERN (Cheryl) Last meeting agenda was focused on process and PSP strategic initiatives. Several Local LIOs concerned about local initiatives not being adequately represented or funded.</p>		
Public Comment	<p>Betsy Carlson - PTMSC displays are a good opportunity for outreach on MRC efforts.</p> <p>Brian DeCaterina - Marine Survey and Assessments is working with City on sewer outfall. Still working on the map of the outfall replacement/intensive survey.</p>		
MRC Roundtable/Announcements	Previously covered.		
ADJOURNMENT	Meeting was adjourned at 8:00		



Jefferson County Marine Resources Committee

Meeting Agenda Tues, June 4, 2019

Port Commissioners Bldg.
333 Benedict St, Port Townsend, WA

AGENDA

Officers/Executive Committee:

Gordon King, Chair
Emily Bishop, Vice-Chair
Jeff Taylor NWSC Representative
Sarah Fiskén, NWSC Alternate

MRC Members:

Ashley Mackenzie, District 1
Emily Bishop, District 1
Shannon Davis, District 1, Alt.
Andrew Palmer, District 2
Jeff Taylor, District 2
Frank Handler, District 2, Alt.
Wade Crouch, District 3
Sarah Fiskén, District 3
Jackie Gardner, District 3 Alt.
Al Bergstein, Environment
Anna Bachmann, Environment
Alt.
Steve Tucker, Port of PT
Gordon King, Commercial
Interest
Nam Siu, Marine Science
Judy D'Amore, Marine Science Alt.
Greg Brotherton, BOCC
Troy McKelvey, Recreation
Roy Clark, Recreation Alt.
Judy Surber, City of Port
Townsend
Neil Harrington, Tribal
_____, U.S. Navy, Indian Is.

Staff:

Cheryl Lowe, Coordinator
Robert Simmons, WSU Faculty
c/o WSU Jefferson Extension
121 Oak Bay Rd
Port Hadlock WA 98339
www.jeffersonmrc.org
Jeff.Co.MRC@gmail.com

6:00 pm

Call to Order/Roll Call
Guest Introductions
Submit volunteer hours

6:05 pm

Amendments to/Approval of Agenda
Amendments to/Approval of May 2019 Minutes

6:09 pm

Public Comment

6:15 pm

BoCC Report (Greg Brotherton)

6:20 pm

Special Presentation

Brad Stone, Jeff Co Public Health: Update on Strait Priority
Project Area (incl Discovery Bay) water quality monitoring.
See following for background:

<https://www.jeffersoncountypublichealth.org/1075/Strait-Priority-Areas-Project>

6:40 pm

Administrative

- WSU Extension Director update
- June 24 Forage Fish Training at Padilla Bay
- Ideas for future meeting presentations?
- Summer meeting schedule

6:50 pm

Current & Upcoming Projects

- Shellfish Forum (Cheryl) – 10 min
- Outfall advisory (Nam) – 10 min
- No Anchor Zones (Troy) – 2 min
- Kelp Monitoring (Judy/Jeff) – 2 min
- Outreach - WBF & Dig4Dinner (Ashley) - 10 min
- Outreach – Crabbing (Jackie) - 8 min
- Rain Gardens, Olympia oysters, Forage Fish - no report

7:30 pm

Recent Meeting Reports & Issue Updates

NWSC (Jeff) - 10 min

7:40 pm

Public Comments

7:50 pm

MRC Member Roundtable/Announcements

8:00 pm

Adjourn

Meetings, Events and Dates to Remember

- June 6 - Chumsortium meeting
- Sun. June 23 - Crabbing 101 (Port Townsend) - 11am
- Wed. June 26 - Crabbing 101 (Port Hadlock) – 4:30 pm
- Fri. June 28 - Shellfish Aquaculture Educational Forum – 1pm
- NO JULY MRC MEETING

**Jefferson County Marine Resources Committee
Port Commissioners Bldg.
333 Benedict Street, WA
June 4, 2019 Meeting Minutes**

Present:

Gordon King, Commercial Interest, Chair
Emily Bishop, District 1, Vice-Chair
Andrew Palmer, District 2
Jeff Taylor, District 2, NWS Rep.
Frank Handler, District 2 Alt.
Wade Crouch, District 3
Sarah Fiskén, District 3, NWS Alt.
Jackie Gardner, District 3 Alt.
Al Bergstein, Environment
Anna Bachmann, Environment Alt.
Steve Tucker, *ex officio*, Port of Port Townsend
Judy D'Amore, Marine Science Alt.
Greg Brotherton, *ex officio*, BOCC
Troy McKelvey, Recreation
Roy Clark, Recreation Alt.
Judy Surber, City of Port Townsend
Neil Harrington, Tribal

Absent:

Ashley Mackenzie, District 1
Shannon Davis, District 1 Alt.
Nam Siu, Marine Science

Guests:

Brad Stone and Mike Dawson - Jefferson County
Public Health
Peter Rhymes - volunteer coordinator at PTMSC

Staff:

Cheryl Lowe, Coordinator
Bob Simmons, WSU Faculty

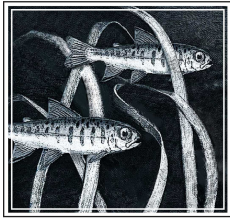
Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Emily Bishop called the meeting to order at 6:01 PM. There was a round of introductions as guests were present.	A quorum was present.	All members – please sign in and record volunteer hours
AMENDMENTS TO/APPROVAL OF AGENDA APPROVAL OF MINUTES	Emily asked for approval/amendments to the Agenda. Nam unable to attend so there will be no Outfall report. Wade Crouch moved to approve as amended. Seconded by Neil Harrington. Passed as amended. Emily asked for amendments/approval of May minutes. Members suggested clarifying edits re: buoys and HC Bridge presentation and green crab funding is good for 2 more years. Gordon King moved to approve as amended, Sarah Fiskén seconded. All approved.	Wade Crouch moved to approve the Agenda as amended. Seconded by Neil Harrington. Passed as amended. Gordon King moved to approve as amended, Sarah Fiskén seconded. All approved. Cheryl to make clarifying edits	
PUBLIC COMMENT	Public Comment - Peter Rhines, volunteer with PTMSC, spoke regarding the Killisut Harbor bridge construction between Indian Island and Marrowstone, slated to be open in 2020. He sees opportunity to monitor before and after conditions (e.g., currents). PTMSC has starfish and toxics monitoring in the area. He has connections to UW. He asked if there is interest in partnering. It would require small boat work and instruments. Cheryl suggested, if there is interest, she and Peter could form a small group (including NOSC) to discuss further. Steve thought tide/current monitoring is planned. Emily noted Port Gamble Tribe provided pass-through funding for this project which may include monitoring. Wade and Al volunteered.	Wade and Al volunteered to work with Cheryl and Peter on potential for partnering on Killisut monitoring.	
BoCC REPORT	Commissioner Brotherton – Navy's Supplemental EIS comment period is open until 6/12. Kate Dean has been reviewing in more detail, he's read Executive summary of this lengthy document (1700 pages). Proposal includes increase Growlers, underwater explosions, sonar buoys, etc. He shared highlights of the County's draft letter (e.g. Noise section under-analyzes impacts to Orca and marine mammals, carbon emissions, socio-economic		

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	impacts, HC bridge closures). Three alternatives: No Military presence at all (No Action); Option 1 more of everything; Option 2 much more. Most of these actions happen in Jefferson County, and the Marine Coast Sanctuary. Greg will share final letter with MRC. He will also try to find stats on bridge openings.		
<p>Special Presentation</p> <p>Brad Stone, Jeff. Co. Public Health: Update on Strait Priority Project Areas (incl. Discovery Bay) water quality monitoring</p>	<p>Brad Stone and Mike Dawson, Jefferson County Public Health (JCPH): Update on Strait Priority Project Area (incl. Discovery Bay) water quality monitoring. https://www.jeffersoncountypublichealth.org/1075/Strait-Priority-Areas-Project is the background link.</p> <p>Mike: Discovery Bay has been showing up in the WQ Early Warning System reports. There are several stations in the Bay. Fecal coliform levels fluctuating in recent years. Head of Discover Bay is of greatest concern (Station 196); an area that is not approved for shellfish growing. This is one of the Centennial Clean Water monitoring sites.</p> <p>Brad: JCPH manages a \$500,000 grant for 35 miles of shoreline. Sampling 4 streams and along the shoreline. Water quality samples include bacterial sources: fecal coliform (streams); E. coli (shoreline) Enterococcus (shoreline-brackish); and two nutrients.</p> <p>JCPH conducts sanitary surveys, code enforcement and investigates hotspots. There are a high number of septic permits in this area and over half are over 22 years old.</p> <p>Confirmed hot spots</p> <ol style="list-style-type: none"> 1) Downtown PT – Why? Likely due to roof drain with seagull nests; sump pumps; stormwater outfalls. JCPH contacted City staff. 2) Gardiner Hotspot near Bachelor Road - Why? Suspect septic 3) Station 196 in Discovery Bay - his data shows not an issue, but he uses different measurement than the Early Warning System. <p>Brad described door to door sanitary surveys; septic educational opportunities; septic operation and monitoring inspections. New construction (e.g. deck addition) can trigger a JCPH inspection.</p> <p>Q&A - questions re: code enforcement and history of the WQ program. Sometimes their test results are episodic. JCPH clarified that these activities are separate from Mussel Watch. Cheryl noted we do not yet have the final report for the 2018 Mussel Watch station sponsored by the MRC.</p>		
ADMINISTRATIVE (Cheryl)	<p>WSU Extension Director update (Cheryl) - Interviews last week. May be weeks before a decision is announced. She distributed 'save the date' cards for the NWS Annual conference November 15-16 in Everett.</p> <p>June 24 Forage Fish Training at Padilla Bay (Cheryl) - Opportunity for upcoming trainings if you have not previously attended. Contact Dana Oster.</p> <p>Ideas for future meeting presentations? (Cheryl): Re: the idea suggested at the last meeting, NOSC and JLT staff were not available, but here's a brief update: JLT did purchase one parcel with bridge loan and is now seeking grant funds to pay back the bridge loan. Send ideas if you have them.</p> <p>Summer Meeting schedule (Cheryl) - No July meeting. Next meeting in August.</p>	All- send ideas for future topics/speakers to Cheryl.	
Current and Upcoming Projects	<p>Shellfish Forum (Jackie) Cheryl sent out draft agenda. Jackie working on forum planning with 5 others. Jackie gave background and highlights of the group's forum planning discussions: Intended audience is shoreline property owners and interested public; topics and speakers; budget; half day format; hired facilitator. Scheduled for: June 28 at the NWMC. Registration is now open. See MRC website. Cheryl encouraged members to register.</p> <p>The group offered feedback (e.g. address marine debris, consider video tapping, ecological impact of non-native species, pesticides). If you have additional feedback on questions for the panel - email Cheryl. Members shared ideas for getting the word out.</p> <p>No Anchor Zones (Troy) Last Saturday, Gordon, Dale and Troy went out on Port boat; thanks to Steve. Replaced tackle and put in summer buoys. Found the missing buoy. Very successful</p>	All - If you have additional feedback on questions for the panel - email Cheryl.	

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	<p>day.</p> <p>Kelp Monitoring (Judy D)- Saturday morning Jeff, Judy and Nam went out to test the monitor process this year--Testing out the additions they want to add to this year's monitoring. It was too early/spotty to actually monitor but with Nam's help were able to collect info on the edges of the bed near the proposed new outfall site.</p> <p>Outreach - (Cheryl) - Digging for Dinner a success. Thanks to volunteers. Registered for WBF, sharing table with WSU Extension. Not doing the children's scavenger hunt.</p> <p>Outreach - Crabbing (Jackie) Two Crabbing 101 workshops in Jefferson and two more in Clallam for the Catch More Crab campaign. June 23 PT, June 26 Port Hadlock. Everyone welcome. Will be placing info in pots for sale at local retailers. Cheryl distributed announcement and asked all to spread the word.</p>		
Recent Meetings Reports	<p>NWSC - (Jeff) - missed the NWSC meeting last month. But had notes from Nicole. Terrell is resigning as NWSF Development Director. Don Hunger continues to fill in as NWSF Interim Director. NWSC: \$91K for grant next year. Next NWSC meeting is same day as our shellfish forum.</p>		
Public Comment	None.		
	<p>Since we had time, Emily circled back to Ideas for future meeting presentations -</p> <p>---Green crab report in October after monitoring. Neil gave a quick update: Found a male in front of JSK tribal center; he's conducting follow up trapping; one crab spotted in Bellingham.</p> <p>---DFW info on marine mammal population census, patterns and changes. (Gordon noted: South Sound Science Symposium had a speaker on marine mammals. Emily is meeting with WDFW next week and will ask Scott Pierson.)</p> <p>---Nano-plastics & microplastics speaker? Gordon will look for potential speaker.</p> <p>---Sea Star wasting - paper coming out.</p> <p>---Sewer Outfall Update- possibly a tour of wastewater treatment plant (Anna to follow up on tour. possibility)</p> <p>---Navy -invite to talk about what they are doing on environmental front?</p> <p>Navy EIS – it was noted that the comment period would be over prior to the MRCs next meeting. Judy Surber moved that the MRC encourage Commissioners to finalize their NAVY EIS response and add that the MRC shares the concerns outlined by Commissioner Brotherton tonight and requests that Commissioners include MRC in any response received. Andy Palmer seconded. Motion passed with Neil Harrington abstaining.</p>	<p>Judy Surber moved that the MRC encourage Commissioners to finalize their NAVY EIS response - MRC shares the concerns outlined by Commissioner Brotherton tonight and requests that Commissioners include MRC in any response received. Andy Palmer seconded. Motion passed with Neil Harrington abstaining.</p>	
MRC Roundtable/ Announcements	<p>Serengeti Rules – recommended movie at the Rose.</p> <p>Frank volunteered for 10 days of NOAA Research Cruise - monitoring as part of his work with the Sound Toxins Program.</p>		
ADJOURNMENT	Meeting was adjourned at 8:02		



Jefferson County Marine Resources Committee

Meeting Agenda

Tues, Aug 6, 2019

Port Commissioners Bldg.

333 Benedict St, Port Townsend, WA

AGENDA

Officers/Executive Committee:

Gordon King, Chair

Emily Bishop, Vice-Chair

Jeff Taylor NWSC Representative

Sarah Fiskens, NWSC Alternate

MRC Members:

Ashley Mackenzie, District 1

Emily Bishop, District 1

_____, District 1, Alt.

Andrew Palmer, District 2

Jeff Taylor, District 2

Frank Handler, District 2, Alt.

Wade Crouch, District 3

Sarah Fiskens, District 3

Jackie Gardner, District 3 Alt

_____, Environment

_____, Environment Alt.

Steve Tucker, Port of PT

Gordon King, Commercial
Interest

Nam Siu, Marine Science

Judy D'Amore, Marine Science Alt.

Greg Brotherton, BOCC

Troy McKelvey, Recreation

Roy Clark, Recreation Alt.

Judy Surber, City of Port

Townsend

Neil Harrington, Tribal

_____, U.S. Navy, Indian Is.

Staff:

Cheryl Lowe, Coordinator

Robert Simmons, WSU Faculty

c/o WSU Jefferson Extension

121 Oak Bay Rd

Port Hadlock WA 98339

www.jeffersonmrc.org

Jeff.Co.MRC@gmail.com

6:00 pm

Call to Order/Roll Call

Guest Introductions

Submit volunteer hours

6:05 pm

Amendments to/Approval of Agenda

Amendments to/Approval of June 2019 Minutes

6:08 pm

Public Comment

6:10 pm

BoCC Report (Greg Brotherton)

6:20 pm

Administrative

- Appreciation for departing MRC members
- Shellfish forum review – 10 min
- Upcoming meetings & events
- Budget updates
- 20th year for Jefferson MRC
- Member recruiting: needs & strategies-25 min

7:15 pm

Current & Upcoming Projects

- No Anchor Zones (Troy/Gordon) – 4 min
- Kelp Monitoring (Judy/Jeff) – 1 min
- Outreach – Kelp walk, Crabbing & WBF - 10 min
- Rain Gardens (Bob) – 5 min
- Olympia oysters (Neil)- 5 min
- Outfall advisory (Nam) – 5 min

7:45 pm

Recent Meeting Reports & Issue Updates

NWSC (Jeff) - 5 min

7:50 pm

Public Comments

7:55 pm

MRC Member Roundtable/Announcements

8:00 pm

Adjourn

Meetings, Events and Dates to Remember

- Sun. Aug 18 – Kelp and Edibles Beach Walk – 12noon
- Mon. Aug 19 – Clallam MRC Intern Presentations, Fiero MSC
 - Aug 23 – NWSC mtg in Clallam
- Sept 5-8 - MRC booth at Wooden Boat Festival

**Jefferson County Marine Resources Committee
Port Commissioners Bldg.
333 Benedict Street, WA
August 6, 2019 Meeting Minutes**

Present:

Ashley Mackenzie, District 1
Gordon King, Commercial Interest, Chair
Emily Bishop, District 1, Vice-Chair
Andrew Palmer, District 2
Jeff Taylor, District 2, NWS Rep.
Frank Handler, District 2 Alt.
Wade Crouch, District 3
Sarah Fiskien, District 3, NWS Alt.
Jackie Gardner, District 3 Alt.
Steve Tucker, *ex officio*, Port of Port Townsend
Nam Siu, Marine Science
Greg Brotherton, *ex officio*, BOCC
Troy McKelvey, Recreation
Roy Clark, Recreation Alt.
Judy Surber, City of Port Townsend
Neil Harrington, Tribal

Absent:

Judy D'Amore, Marine Science Alt.

Guests:

Glenn Grant, Peter Rhines, Ray RaLonde, Betsy
Carlson, Linda Hendricksen

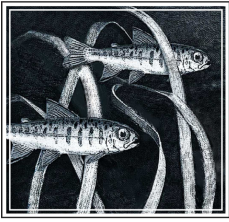
Staff:

Cheryl Lowe, Coordinator
Bob Simmons, WSU Faculty

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Gordon King called the meeting to order at 6:00 PM. There was a round of introductions as guests were present.	A quorum was present.	All members – please sign in and record volunteer hours
AMENDMENTS TO/APPROVAL OF AGENDA APPROVAL OF MINUTES	Gordon asked for approval/amendments to the Agenda. Andy Palmer moved to approve with addition under BOCC report 'discuss BoCC letter to Navy'. Seconded by Nam Siu. Passed as amended. Gordon asked for amendments/approval of June minutes. Steve moved to approve, seconded by Wade. Motion passed.	Andy Palmer moved to approve the Agenda as amended. Seconded by Nam Siu. Passed as amended. Steve moved to approve the June Minutes; seconded by Wade. Motion passed.	
PUBLIC COMMENT	Linda Hendrickson, Port Townsend resident: Raised concerns over WA State Park (WSP)'s proposal to replace the pier and boat launch at Fort Worden. She has circulated a petition asking that WSP consider relocating the launch. She notes that Boat Haven has not had any problems accommodating the additional boats while the Fort Worden ramp is closed. Andy and Steve briefly commented on design. Steve says the project plans include a launch; the question is whether they elevate it or replace as is. Intent is to continue use by small boats. Linda noted the proposal includes adding six parking spots. Judy added that there will be public comment opportunities through the SEPA by WSP and the Shoreline Permits process by the City of PT. Greg Brotherton requested MRC be included in notification of these public comment opportunities..Gordon asked if the MRC could have a project report for the September 2019 MRC meeting. Nam added that it is important to review the proposal against best available science. Betsy - Gray Whale washed up. Unusual mortality event happening with Guadalupe Fur Seals, Harbor Seals and Gray Whales. Whale decomposing on private property in Oak Bay has almost decomposed in about 2 months. A very interesting story with reasonable success.		

BoCC REPORT	<p>Commissioner Brotherton – County is getting numerous comments about Pope’s aerial spraying around several lakes (including City Lake). He asked if there were any concerns with use of pesticides/herbicides entering the marine waters. Nam said he’d need more detail and asked about public notice.</p> <p>Greg says posting occurs via a Pope Resources website. He’s gathering information on practices.</p> <p>Gordon noted our focus of marine resources. Bob expressed concern over stormwater and wind carrying herbicides into streams that flow into Puget Sound. Bob also noted that in addition to active ingredients, there are other additives. Greg will send questions out in advance of our next meeting for further discussion.</p> <p>Greg asked if it was common practice to harvest crab with a rake? Several members affirmed it is common, but it is not a regular garden rake.</p> <p>Status of Navy EIS letter - it has been sent. Andy - overall impressed with the letter but would have added salmon concerns with explosives.</p>		
ADMINISTRATIVE (Cheryl)	<p>Appreciation for departing MRC members - cards were circulated for Shannon Davis, Anna Bachmann and Al Bergstein.</p> <p>Shellfish forum review - Cheryl provided handouts and gave results of the survey (sent via email). There was some controversy about the forum. She noted the challenge of getting science-based speakers to present about environmental concerns. Neil added they had tried to bring in several UW speakers. Those who attended provided feedback. Cheryl has compiled presentations, notes and survey results and will post them on the website as a resource for all. For next year’s Education and Outreach Plan, she suggests MRC revisit the survey results for possible topics. Jeff noted the value of providing comparisons - shellfish in comparison to farming other sources of protein.</p> <p>Upcoming Meetings and Events (Cheryl)- MRC’s regular meeting schedule has been resumed, there will be a September meeting and on Monday 8/26, a picnic social with no business conducted. Port Commissioner candidates will be invited for Sept or Oct. meeting. Cheryl noted correct date for Kelp and Edibles is Sept. 1; she added Sept. 24 Raingarden installation in Quilcene.</p> <p>August 23 NWSC meeting will be held at Jamestown in Blyn.</p> <p>Budget (Cheryl) on track to expend remaining funds. 20th Year for Jefferson MRC - Cheryl to draft an article for local media.</p> <p>Member recruiting needs and strategies - Three members left and Steve Tucker’s position will be filled by another Port Commissioner as he is not running for another term. Cheryl is retiring in November! Bob and Cheryl will be drafting a job description for a full-time MRC coordinator.</p> <p>In regards members, she asked what skills/interests should we try to attract to compliment the current MRC membership? She suggested communication - help staff with articles. Members noted Jeff Co. Dept of Health perspective was a positive (i.e., water quality); marine trades; fisherman; economics; restoration/conservation experience; educator, environmental, Navy. It was noted that Jefferson MRC is fortunate to have PTMSC for educational programming.</p> <p>Cheryl will post announcement on August 20th on the MRC website and will request it be posted on County website. Hope to be reviewing applications with a selection committee in September. that committee will make recommendations to the MRC and the MRC will make recommendations to the BoCC for appointment. Andy, Jackie, Wade, and Neil agreed to volunteer for selection committee.</p> <p>Neil and Ashley recommended inviting Navy as a speaker in future, but it is unlikely they will regularly attend meetings.</p> <p>Bob noted that Committee members will also be invited to participate in review of applications for the Coordinator’s position.</p>	<p>Education committee - revisit the shellfish survey results for possible topics.</p> <p>Cheryl to invite Port Commissioner candidates to future MRC meeting.</p> <p>Cheryl to draft an article for the paper- 20th Year for Jefferson MRC</p> <p>Cheryl will post call for membership applications. Andy Jackie, Wade, and Neil volunteered for selection committee.</p> <p>Cheryl to invite Navy speaker to future meeting.</p>	

Current and Upcoming Projects	<p>No Anchor Zones (Troy/Gordon) Troy and Gordon check on & cleaned Port Hadlock buoys. Also completed another outing in July to reattach one of the buoys in Port Townsend Bay. Still need to check on Mystery Bay buoys.</p> <p>Kelp Monitoring (Jeff) - Monitored by kayak on 7/27. He reported on the group's findings. Jeff also reported the NWSC has agreed to take on satellite imagery research. Will try to find an intern to work on it. He showed Satellite images 2017-2019 with MRC monitoring overlain on it. Imagery shows beds to the west of North Beach are shrinking.</p> <p>Outreach (Cheryl)- Kelp beach walk ('Searching For Seaweed') will happen Sept. 1. Crabber outreach: Jackie, Sarah and Wade and Clallam intern have been handing out pamphlets. WBF planning, watch for sign-up sheet. Sept. 6-8 with set up on Thursday.</p> <p>Olympia Oyster (Neil) - Checked on Quilcene test plots (both older and newer locations). Found only one live Oly when monitoring one of the 2016-17 test plots. Did a quick look at other plots, but determined no need to proceed with monitoring there. Red algae was covering most of the 2018test plots. Monitoring results confirmed that this location at the north end of Quilcene Bay not a good spot for Oly restoration. Drill snails go after Oly's after they eat Pacific oysters.</p> <p>In Discovery Bay, the monitoring team found a lot of Oly Oysters in the Powerline project site. Great volunteers! Neil thinks the beach could use more substrate. Neil checked the shell spread in the Lagoon site at Discovery Bay this spring. No new set but its still early.</p> <p>Cheryl added MRC could work with Brady Blake (WDFW) on populations studies to identify best areas for restoration if they wanted to continue to do work in Quilcene Bay. She also reported that Brady Blake noted recent discovery of a population of Oly's in Dabob Bay. We should have all the permits by early next year for placement of more cultch at the Discovery Bay site. U.S. Army Corps of Engineers asked for an updated map of eelgrass, as no cultch can be placed in eelgrass, so that's in process now.</p> <p>Rain Gardens (Bob) - 9/24 planting of rain garden is planned on Tom Brotherton property off Hwy 101. Volunteers needed. He will engage with Quilcene School's afternoon program. He is securing excavator operator. Planting will emphasize low maintenance and hardy species.</p> <p>Outfall advisory (Nam) - Nam wants to dive but has been busy. Judy noted City preparing environmental checklist and checking with State agency on timing of SEPA There will be a meeting in September with agencies. Also, one of the key city employees, Samantha Harper, is departing.</p>	Cheryl to send out sign-up sheet for WBF.	
Recent Meetings Reports	<p>NWSC - (Jeff) - Jeff reported on last week's web-meeting. Topics included: external relations, Governor Jay Inslee's visit to Cornet Bay, Olympia oyster west coast story board. MRC Conference November 16-17 in Everett. Sept 14-21 is National Estuary week. Congress is considering HR4044 to re-authorize the National Estuary Program with increased funding. NWSI is looking for conference founders and long-term funding sponsors – if you have ideas, contact Caroline Gibson.</p> <p>Greg - This coming Monday is the ground-breaking for Kilisut Harbor opening. RSVP to North Olympic Salmon Coalition for shuttle info.</p>	All, if you have ideas on long-term funding of NWSC, contact Caroline Gibson.	
Public Comment	Betsy: next week is National Association of Marine Educators (NAME) conference. Starts 8/11.		
MRC Roundtable/ Announcements	<p>WSU Extension with funding from Straits Ecosystem Recovery Network will put out a Stream Stewards training program starting October 10 for six sessions.</p> <p>Emily - Article in PDN about overfished stock - Coho was added to the list. It's based on biomass of the stock.</p>		
ADJOURNMENT	Meeting was adjourned at 8:03		



Jefferson County Marine Resources Committee

Meeting Agenda Tues, Sept 3, 2019

Port Commissioners Bldg.
333 Benedict St, Port Townsend, WA

AGENDA

Officers/Executive Committee:

Gordon King, Chair
Emily Bishop, Vice-Chair
Jeff Taylor NWSC Representative
Sarah Fiskén, NWSC Alternate

MRC Members:

Ashley Mackenzie, District 1
Emily Bishop, District 1
_____, District 1, Alt.
Andrew Palmer, District 2
Jeff Taylor, District 2
Frank Handler, District 2, Alt.
Wade Crouch, District 3
Sarah Fiskén, District 3
Jackie Gardner, District 3 Alt
_____, Environment
_____, Environment Alt.
Steve Tucker, Port of PT
Gordon King, Commercial
Interest
Nam Siu, Marine Science
Judy D'Amore, Marine Science Alt.
Greg Brotherton, BOCC
Troy McKelvey, Recreation
Roy Clark, Recreation Alt.
Judy Surber, City of Port
Townsend
Neil Harrington, Tribal
_____, U.S. Navy, Indian Is.

Staff:

Cheryl Lowe, Coordinator
Robert Simmons, WSU Faculty
c/o WSU Jefferson Extension
121 Oak Bay Rd
Port Hadlock WA 98339
www.jeffersonmrc.org
Jeff.Co.MRC@gmail.com

6:00 pm

Call to Order/Roll Call
Guest Introductions
Submit volunteer hours

6:05 pm

Amendments to/Approval of Agenda
Amendments to/Approval of Aug 2019 Minutes

6:08 pm

Public Comment

6:10 pm

BoCC Report (Greg Brotherton)

6:15 pm

Guest Speakers: Chuck Fauls & Pamela Petranek
Candidates for Port Commissioner

6:35 pm

Administrative

- Upcoming meetings & events
- Update - Ft Worden pier/boat launch planning
- Wooden Boat Festival Sign-up
- Member recruiting strategies
- Aerial spraying impacts for marine waters (Greg)

7:00 pm

Current & Upcoming Projects

- No Anchor Zones (Troy/Gordon) – 5 min
- Kelp Monitoring (Judy/Jeff) – 5 min
- Outreach – Beach walk report - 5 min
- Rain Gardens (Bob) – 5 min
- Olympia oysters - no report
- Outfall advisory - no report

7:30 pm

Recent Meeting Reports & Issue Updates

NWSC & Jan 2020 MRC symposium (Jeff) 10 min

7:40 pm

Public Comments

7:50 pm

MRC Member Roundtable/Announcements

8:00 pm

Adjourn

Meetings, Events and Dates to Remember

- Sun. Sept 1 – MRC's Searching for Seaweed Beach Walk
 - Sept 6-8 - MRC booth at Wooden Boat Festival
- Sept 13 – Strait ERN mtg, Blyn. 9:30am – 2:30pm
- Sept 24 – Quilcene Rain Garden Installation, 10am -4 pm
 - Sept 27 – NWSC mtg via Web-Ex
- Oct 2 – WA State Park Open House re: Fort Worden, 6 pm, at Fort Townsend State Park Friend's Barn
- Sat. Oct 12 – Creosote ID Workshop, 2-4 pm in Coupeville (sponsored by Island Co. MRC)

**Jefferson County Marine Resources Committee
Port Commissioners Bldg.
333 Benedict Street, WA
September 3, 2019 Meeting Minutes**

Present:

Gordon King, Commercial Interest, Chair
Andrew Palmer, District 2
Jeff Taylor, District 2, NWS Rep.
Frank Handler, District 2 Alt.
Wade Crouch, District 3
Sarah Fiskén, District 3, NWS Alt.
Jackie Gardner, District 3 Alt.
Steve Tucker, *ex officio*, Port of Port Townsend
Judy D'Amore, Marine Science Alt.
Greg Brotherton, *ex officio*, BOCC
Troy McKelvey, Recreation
Judy Surber, City of Port Townsend
Neil Harrington, Tribal
Ashley Mackenzie, District 1

Absent:

Emily Bishop, District 1, Vice-Chair
Roy Clark, Recreation Alt.
Nam Siu, Marine Science

Guests:

Glen Grant, Chuck and Nancy Fauls, Raymond
LaRonde, John Collins, Pam Petranek, Melinda
Bryden, Peter Rhines, Betsy Carlson (PTMSC)

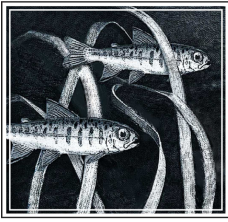
Staff:

Cheryl Lowe, Coordinator
Bob Simmons, WSU Faculty

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Chair Gordon King called the meeting to order at 6:00 PM. There was a round of introductions as guests were present.	A quorum was present.	All members – please sign in and record volunteer hours
AMENDMENTS TO/APPROVAL OF AGENDA APPROVAL OF MINUTES	Gordon asked for approval/amendments to the Agenda. Andy Palmer moved to approve agenda. Sarah Fiskén seconded - motion passed. Gordon asked for amendments/approval of August minutes. Neil Harrington moved to approve August Minutes, seconded by Steve Tucker. Minutes passed as presented.	Andy Palmer moved to approve the Agenda. Seconded by Sarah Fiskén. Motion passed. Neil Harrington moved to approve August Minutes, seconded by Steve Tucker. Minutes passed as presented.	
PUBLIC COMMENT	Public Comment - Glen Grant asked about PT sewer outfall pipe replacement. Judy responded; City is required to replace it. Documents are available for review at City Hall.		
BoCC REPORT	Commissioner Brotherton –Commissioners sent a letter to Pope Resources and DNR regarding public process for aerial spraying. Response referred to a received 1993 AG opinion which clarified local jurisdictions do not have authority to regulate aerial spraying.		
Special Presentation	Candidates for Port Commissioner District 1 were invited to present. Chuck Fauls expressed concerns over budget. Port needs broad representation to ensure decisions benefit all people in the County. Need to establish rates at fair market value. Wastewater treatment is an issue. Chuck has over ten years' experience at the Port. Pam Pteronick - Pam is a commercial fisherman with Cape Cleare; She serves on Port Advisory Group. Pam wants the Port to be a leader in marine trades; green marine trades; respond to Sea level Rise; keep Port viable. She highlighted the work of the		

	<p>Port Advisory Group. 20% of jobs are in the maritime sector. These jobs benefit all. Her "To Do" list includes rebuilding public trust, financial accountability, support marine trades, affordable community access, environmental stewardship.</p> <p>During Q&A, candidates answered questions regarding the following: vision for Port property by the airport; sea level rise; background. Members asked for ideas of how commissioners might coordinate with the MRC? On this last question, Pam spoke to coordination on environmental projects (e.g. rain gardens and creosote removal); she appreciates the expertise on the MRC. Chuck also spoke to group's environmental expertise.</p>		
ADMINISTRATIVE (Cheryl)	<p>Upcoming meetings & events: Cheryl highlighted events listed at end of agenda. Requested more volunteers for WBF booth. Will have a bean bag toss with "food web" focus. Strait ERN meeting on Sept 13. Rain garden installation needs volunteers. DNR is working with Island County on Creosote ID workshop,--let Cheryl know if you'd like to attend.</p> <p>Fort Worden Pier replacement: Cheryl spoke with WA State Parks Planning Manager re: status of the pier replacement. They are in the public input stage with an upcoming open house. Anchor Environmental was retained to do a pre-design report. It will be submitted to the state fiscal office for potential future funding. Currently reviewing alternatives. Interested members should attend the Oct 2 open house.</p> <p>Member recruiting: Five vacancies on MRC. We need to be actively seeking potential new members. Cheryl provided bookmarks to give to any interested parties. Info on website too. Ad will appear in Leader next week. Terms are 4 years. Deadline for applications is end of September.</p> <p>Cheryl handed out seaweed identification materials left over from MRC's Searching for Seaweed walk last weekend.</p> <p>Aerial spraying impacts for marine waters (Greg) -He had sent questions for the group. Are there measurable impacts to nearshore? Ashley noted: EPA assessment in Duluth Minnesota has done some research. Bob will reach out to John Stark at WSU.</p> <p>Any measurable impacts to shellfish? Gordon noted Whiskey Creek hatchery in Oregon (Lee Hansen/Sue); Gordon will ask around. Ashley noted most research is focused on impacts to humans. Can WDFW Mussel Watch program test for it? Bob will look into researchers of pollutants.</p> <p>Does the aquaculture industry use glyphosate? Gordon noted there has been spraying for Japanese eelgrass in Willapa Bay in SW Washington, but he doesn't know what they are using. He will inquire.</p> <p>Greg provided info on rates of use.</p>	Gordon and Bob will seek more information on aerial spraying for Commissioner Brotherton.	
Current and Upcoming Projects	<p>No Anchor Zones (Troy) No current projects, but in Oct/November will install take out PT summer buoys and put in winter buoys. Gordon noted need to clean buoys in Mystery Bay. Ray LaRonde (guest) noted during his career he did research on impact of chemicals on salmonids. It's complicated. For example, timing of test is key.</p> <p>Kelp Monitoring (Judy D/Jeff)- Emily, Jeff and Judy went out a couple of days ago. Kelp bed appears to be doing well. Area to the west seems to have filled in.</p> <p>Outreach: (Ashley) Searching for Seaweed Beach Walk was held two days ago at Marrowstone's USGS Field station. A huge success.</p> <p>Rain Gardens (Bob): Set for planting of Quilcene rain garden Sept. 24. Need volunteers. Test pits show underlying soils are very gravelly. Excavation will be done on September 16.</p> <p>Olympia Oysters: Neil went last week to retrieve samples of new shell placed at Discovery Bay lagoon site to look at recruitment. Found numerous small Oly Oysters! Gordon noted for guests, Quilcene not as promising but Discovery Bay seems to have good recruitment. Permitting is challenging. We might have an issue with eelgrass at the Powerline site. Cheryl is renewing</p>		

	permits to spread more shell at the Powerline site. Eventual goal is that Oly's will be setting on prior generation of Oly shell. Outfall Advisory - No report.		
Recent Meetings Reports	NWSC & Jan 2020 MRC symposium- (Jeff) – NWSC met in Blyn a couple of weeks ago. San Juan County gave report on economic impact of future oil spills. Report is online. Their goal to get another tug stationed in San Juans, but also emphasized avoidance of any spills. Neil noted, for a big oil spill, response would come out of Port Angeles. Andy noted also Everett. Jeff noted that there will be an MRC symposium at Padilla Bay on January 8, 2020 for all the MRCs to share what's working and what's not working. Good opportunity to share project ideas. Annual Conference November 15 -16 at the Marriott, in Everett.		
Public Comment	Betsy Carlson said that WDFW will have a prescribed burn on Protection Island tomorrow. Chuck Fauls provided clarification on spill response - In addition to the oil spill trailer, all Port employees are trained on minimum 8 hours of training updated annually, several employees with more training. Andy Palmer suggested an inter-agency training. Greg will speak to Jefferson Hazard Mitigation staff. There was continued discussion about fueling regulations and oil spill response. John Collins - Rowing club added to their mission, "preservation of the environment". They add eyes and ears on the water. They are a useful resource.		
MRC Roundtable/ Announcements	Bob noted WSU is training Stream Stewards beginning Oct. 10-November 14. Applications accepted through the end of the month. Please direct interested parties to WSU website. He thanked Jamestown S'Klallam Tribe for use of facility. County Elected officials are doing outreach 9/6 in Quilcene and 9/13 in Brinnon at the community centers at 6 pm.	All, please direct citizens interested in Stream Stewards to the WSU website.	
ADJOURNMENT	Meeting was adjourned at 7:40		



Jefferson County Marine Resources Committee

Meeting Agenda Tues, Oct 1, 2019

Port Commissioners Bldg.
333 Benedict St, Port Townsend, WA

AGENDA

Officers/Executive Committee:

Gordon King, Chair
Emily Bishop, Vice-Chair
Jeff Taylor NWSC Representative
Sarah Fiskien, NWSC Alternate

MRC Members:

Ashley Mackenzie, District 1
Emily Bishop, District 1
_____, District 1, Alt.
Andrew Palmer, District 2
Jeff Taylor, District 2
Frank Handler, District 2, Alt.
Wade Crouch, District 3
Sarah Fiskien, District 3
Jackie Gardner, District 3 Alt
_____, Environment
_____, Environment Alt.
Steve Tucker, Port of PT
Gordon King, Commercial
Interest
Nam Siu, Marine Science
Judy D'Amore, Marine Science Alt.
Greg Brotherton, BOCC
Troy McKelvey, Recreation
Roy Clark, Recreation Alt.
Judy Surber, City of Port
Townsend
Neil Harrington, Tribal
_____, U.S. Navy, Indian Is.

Staff:

Cheryl Lowe, Coordinator
Robert Simmons, WSU Faculty
c/o WSU Jefferson Extension
121 Oak Bay Rd
Port Hadlock WA 98339
www.jeffersonmrc.org
Jeff.Co.MRC@gmail.com

6:00 pm

Call to Order/Roll Call
Guest Introductions
Submit volunteer hours

6:05 pm

Amendments to/Approval of Agenda
Amendments to/Approval of Sept 2019 Minutes

6:08 pm

Public Comment

6:10 pm

BoCC Report (Greg Brotherton)

6:20 pm

Guest Speaker: Cliff Moore
New WSU Extension Director

6:30 pm

Administrative

- Upcoming meetings & events
- MRC- NWSC project planning workshop **Jan 8, 2020**
- Member recruiting update
- New Operating Grant – committee assignments

6:45 pm

Current & Upcoming Projects

- Forage Fish & Disco Bay monitoring (Cheryl)- 10 min
- Wooden Boat Festival eval'n - 10 min
- Rain Garden install'n Sept 24 (Sarah, Cheryl)-5 min
- Olympia oysters – 5 min
- PT Outfall (Judy Surber) - 10 min
- Crabber Outreach (Jackie) – 5 min
- No Anchor Zones – no report
- Kelp Monitoring (Judy/Jeff) – no report

7:30 pm

Recent Meeting Reports & Issue Updates

NWSC - Sept mtg (Jeff) - 10 min
Strait ERN meeting (Cheryl) – 5 min

7:45 pm

Public Comments

7:55 pm

MRC Member Roundtable/Announcements

8:00 pm

Adjourn

Meetings, Events and Dates to Remember

- Oct 2 – WA State Park Open House re: Fort Worden boat ramp, 6 pm, at Fort Townsend State Park Friend's Barn
 - Oct 3 – Chumsortium mtg, 10 am
- Sat. Oct 12 – Creosote ID Workshop, 2-4 pm, Coupeville (Is. Co. MRC)
 - Nov 5 – MRC meeting
 - Nov 15-16 – MRC Conference in Everett

**Jefferson County Marine Resources Committee
Port Commissioners Bldg.
333 Benedict Street, WA
October 1, 2019 Meeting Minutes**

Present:

Gordon King, Commercial Interest, Chair
Emily Bishop, District 1, Vice-Chair
Andrew Palmer, District 2
Jeff Taylor, District 2, NWS Rep.
Frank Handler, District 2 Alt.
Wade Crouch, District 3
Sarah Fiskén, District 3, NWS Alt.
Jackie Gardner, District 3 Alt.
Nam Siu, Marine Science
Judy D'Amore, Marine Science Alt.
Greg Brotherton, *ex officio*, BOCC
Troy McKelvey, Recreation
Judy Surber, City of Port Townsend
Neil Harrington, Tribal

Absent:

Steve Tucker, *ex officio*, Port of Port Townsend
Roy Clark, Recreation Alt.

Guests:

Brenda Johnson, Cliff Moore (WSU Extension Director)
Betsy Carlson (PTMSC), Ray RaLonde

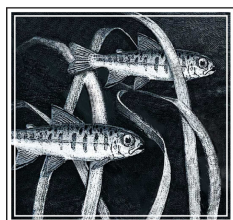
Staff:

Cheryl Lowe, Coordinator
Bob Simmons, WSU Faculty

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Chair Gordon King called the meeting to order at 6:01 PM. There was a round of introductions as guests were present.	A quorum was present.	All members – please sign in and record volunteer hours
AMENDMENTS TO/APPROVAL OF AGENDA APPROVAL OF MINUTES	Gordon asked for approval/amendments to the Agenda. Greg Brotherton moved to approve agenda. Andy Palmer seconded - motion passed. Gordon asked for amendments/approval of minutes. Andy Palmer moved to approve September Minutes, seconded by Sarah Fiskén. Minutes passed as presented.	Greg Brotherton moved to approve the Agenda. Seconded by Andy Palmer. Motion passed. Andy Palmer moved to approve September Minutes, seconded by Sarah Fiskén. Minutes passed as presented.	
PUBLIC COMMENT	Public Comment - Betsy provided Posters of upcoming "The Future of Oceans" lecture series and announced a book signing "Cruising the Fossil Coastline" November 16, 7pm at Fort Worden Commons.		
BoCC REPORT	Commissioner Brotherton – 1) BoCC received WDOH notice of Administrative Order initially classifying the Klalaloch Commercial Shellfish Growing Area in Jefferson County - in Olympic National Park near Kalaloch Lodge. 2) There is speculation that pit to pier project may be resurrected. Please notify him if you have any information.		
GUEST SPEAKER	Cliff Moore – New WSU Extension Director. Cliff gave an overview of his background. He spoke to reclassification and funding of Cheryl's position. WSU is working with Jefferson County on budget. The plan is to notice as a 30-hour a week position with additional hours if funded. Cheryl is willing to help with transition. Cliff touched on other various WSU Extension programs (e.g. Farms, 4-H, etc.). In addition to administrative duties, Cliff will apply his community development and economic development background to local initiatives. He also spoke of learning opportunities (online, broadband, Goddard, etc.) Cliff would like one or two members of MRC to participate on the selection committee for Cheryl's replacement. Jeff, Gordon, Wade, Andy, Emily and Sarah volunteered. Cheryl will provide contact info to Cliff who will coordinate the selection process. Funding for this position comes from several sources: primarily NWSC, but also from NWSF (project based. Bob is Cheryl's program advisor; Cliff is her administrative supervisor. Cliff responded to questions about funding.	Cheryl will forward MRC member volunteers for selection committee to Cliff.	

ADMINISTRATIVE (Cheryl)	<p>Upcoming Meetings & Events: Cheryl referred to list at bottom of agenda. 10/2 Fort Worden Boat Ramp public meeting. 10/3 Chumsortium meeting will be about Killisut Harbor; she plans to attend. 10/12 Creosote ID workshop which makes use of MyCoast App. She reminded members to RSVP for the MRC conference and reserve a room by 10/15.</p> <p>This is Cheryl's last meeting! Cliff and Bob will cover in interim.</p> <p>MRC- NWSC project planning workshop Jan. 8, 2020 - Cheryl distributed save the date cards.</p> <p>Member recruiting update: 8 applicants. Nam has reapplied for his position. Judy D'Amore is not renewing. Cheryl is scheduling time for the screening subcommittee to meet with the applicants. Subcommittee recommendation will come back to the full MRC and then the MRC forwards a recommendation to the BoCC.</p> <p>New Operating Grant - committee assignments: Oct. 1 begins new grant cycle. She distributed project descriptions for projects the MRC has committed to and gave a quick overview. Each project needs a lead and team members. She passed around a sign-up sheet.</p> <p>Members commented on various projects as Cheryl lead the group through each one. Neil noted Discovery Bay Lagoon site oysters have set on the cultch that was placed in spring 2019.</p> <p>County CAO update is to be completed by end of February 2020 in order for County to be eligible for funding for Port Hadlock sewer.</p> <p>10/2 at 11am there is a forage fish conference call with NWSF. Contact Jeff if you are interested.</p>	All members RSVP for MRC Annual Conference and reserve your rooms.	
Current and Upcoming Projects	<p>See above for Forage Fish & Disco Bay monitoring.</p> <p>Wooden Boat Festival (WBF) evaluation - Members shared their experience from WBF. Several reported on meaningful conversations and bean bag toss game was a success.</p> <p>Rain Garden install - installed 9/24 with help of lots of volunteers. Looks beautiful. Used low maintenance plants. Two classes from Quilcene elementary visited. They will be installing their own rain garden soon.</p> <p>Olympia Oyster - See Admin above.</p> <p>PT Sewer Outfall (Judy) – Judy provided an overview of the process. First opportunity to comment is on the non-project action to update the wastewater functional plan (October public comment period); followed by a project level environmental review with public comment next year. A public inspection file is available at City Hall.</p> <p>Crabber Outreach: (Jackie) Oct. 28th committee will meet with Jason to debrief. They will again do a sweep to look for derelict pots early spring before the season opens. She will report more at next meeting. Approximately 100-150 packets of info were distributed to crabbers.</p> <p>No Anchor Zones - (Gordon) Team hopes to put out winter buoys soon and check lines in November.</p> <p>Kelp Monitoring (Judy/Jeff) - no report.</p>		
Recent Meetings Reports	<p>NWSC Sept. mtg- Jeff attended last Friday's NWSC web-conference. NWSC Science advisory committee has added a social scientist and may add a shellfish biologist. Cecilia Goldman presented on WQ standards. Ecology's comment period ends 10/7 of this month. Neil talked about a regional cooperative project on early life stages of Dungeness crab and provided an overview of the project. Claire Surber has left NWSF for a job in Seattle. MRC Annual conference coming up.</p> <p>Strait ERN meeting (Cheryl) - First part was reporting on efforts of regional coordinators to improve the funding review process. Speaker forum on contemporary oil spill preparedness;</p>		

	<p>participants include Makkah tribe, NOAA, coordinating with Canadian government etc.</p> <p>Andy recalled discussion from September meeting. Need to refresh where we stand on oil spill prevention and preparedness. Greg was reminded to contact Jeff. County Emergency staff. He also offered to reach out to new Navy commander at Indian Island.</p>	<p>Greg to contact Jefferson County Emergency staff and Navy about a future MRC presentation.</p>	
Public Comment	None.		
MRC Roundtable/ Announcements	<p>Gordon is going to Aquatic Nuisance Species meeting next week.</p> <p>Jackie: 17 more green crab found in Blaine. Neil has agreed to give regional green crab/algal bloom presentation in December.</p> <p>Jeff - Disco Bay very colorful this fall. Herring spawning and algal bloom events. A good educational opportunity. Neil - Sequim Bay is blooming as well, and that one is toxic.</p> <p>Gordon thanked Cheryl for her excellent service to the MRC!</p>		
ADJOURNMENT	Meeting was adjourned at 7:58		



Jefferson County Marine Resources Committee

Meeting Agenda Tues, Nov 5, 2019

Port Commissioners Bldg.
333 Benedict St, Port Townsend, WA

AGENDA

Officers/Executive Committee:

Gordon King, Chair
Emily Bishop, Vice-Chair
Jeff Taylor NWSC Representative
Sarah Fiskens, NWSC Alternate

MRC Members:

_____, District 1
Emily Bishop, District 1
_____, District 1, Alt.
_____, District 2
Jeff Taylor, District 2
Frank Handler, District 2, Alt.
Wade Crouch, District 3
Sarah Fiskens, District 3
Jackie Gardner, District 3 Alt
_____, Environment
_____, Environment Alt.
Steve Tucker, Port of PT
Gordon King, Commercial
Interest
Nam Siu, Marine Science
Judy D'Amore, Marine Science Alt.
Greg Brotherton, BOCC
Troy McKelvey, Recreation
Roy Clark, Recreation Alt.
Judy Surber, City of Port
Townsend
Neil Harrington, Tribal
_____, U.S. Navy, Indian Is.

Staff:

Cheryl Lowe, Coordinator
Robert Simmons, WSU Faculty
c/o WSU Jefferson Extension
121 Oak Bay Rd
Port Hadlock WA 98339
www.jeffersonmrc.org
Jeff.Co.MRC@gmail.com

6:00 pm

Call to Order/Roll Call
Guest Introductions
Submit volunteer hours

6:05 pm

Amendments to/Approval of Agenda
Amendments to/Approval of Oct 2019 Minutes

6:08 pm

Public Comment

6:10 pm

BoCC Report (Greg Brotherton)

6:20 pm

Guest Speakers: Don Hunger & Caroline Gibson, NWSF

6:35 pm

Administrative

- MRC Coordinator update (Cliff) – 5 min
- New member recommendations (Jackie)-15 min
- MRC Conference (carpools, etc)
- Dec Mtg - Nominations for MRC Exec Comm

6:55 pm

Current & Upcoming Projects

- MRC 2019 Highlights (Emily) -15 min
- Forage Fish monitoring (Jackie & Jeff) -5 min
- Olympia oysters (Neil) – 5 min
- PT Outfall (Nam) - 15 min
- No Anchor Zones (Troy)- 5 min
- Crabber Outreach – no report
- Kelp Monitoring – no report
- Rain Garden – no report

7:40 pm

Recent Meeting Reports & Issue Updates

Creosote Workshop & MyCoast App (Troy & Frank)
No NWSC mtg in Oct

7:50 pm

Public Comments

7:55 pm

MRC Member Roundtable/Announcements

8:00 pm

Adjourn

Meetings, Events and Dates to Remember

- Nov 15-16 – MRC Conference in Everett
 - Dec 3 - MRC Monthly Meeting
- Dec 5 - Chumsortium, 9 am WDFW office
 - Jan 8, 2020 – NWSC Project Planning Workshop at Padilla Bay NER

**Jefferson County Marine Resources Committee
Port Commissioners Bldg.
333 Benedict Street, WA
November 5, 2019 Meeting Minutes**

Present:

Gordon King, Commercial Interest, Chair
Emily Bishop, District 1, Vice-Chair
Jeff Taylor, District 2, NWS Rep.
Frank Handler, District 2 Alt.
Wade Crouch, District 3
Jackie Gardner, District 3 Alt.
Steve Tucker, *ex officio*, Port of Port Townsend
Nam Siu, Marine Science
Greg Brotherton, *ex officio*, BOCC
Troy McKelvey, Recreation
Judy Surber, City of Port Townsend
Roy Clark, Recreation Alt.

Absent:

Sarah Fiskens, District 3, NWS Alt.
Judy D'Amore, Marine Science Alt.
Neil Harrington, Tribal

Guests:

Rebecca Welti, Anna Young, Solene Walker,
Brenda Johnson, Ruth Blyther, Kris Clark (Oceans
Blue Corp), Caroline Gibson (NWSF), Don Hunger
(NWSF), Bryan DeCanterina, Jill Cooper, Dana
Oyster (NWSC), Betsy Carlson (PTMSC)

Staff:

Cliff Moore, WSU Faculty
Bob Simmons, WSU Faculty

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Chair Gordon King called the meeting to order at 6:00 PM. There was a round of introductions as guests were present.	A quorum was present.	All members – please sign in and record volunteer hours
AMENDMENTS TO/APPROVAL OF AGENDA APPROVAL OF MINUTES	Gordon asked for approval/amendments to the Agenda. Jackie requested adding a discussion about a celebration for Cheryl Lowe. Seconded by Roy Clark. Nam Siu moved to approve the agenda as amended. Seconded by Greg Brotherton. Motion passed. Gordon asked for amendments/approval of October minutes. Steve Tucker moved to approve Minutes as is. Second by Jackie Gardner. Minutes passed as is.	Nam Siu moved to approve the Agenda as amended. Seconded by Greg Brotherton. Motion passed. Steve Tucker moved to approve Minutes as is. Second by Jackie Gardner. Minutes passed as is.	
PUBLIC COMMENT	Public Comment - Betsy - PTMSC upcoming event, Cruising the Fossil Coastline 11/16 7PM at the Commons.		
LOWE ACKNOWLEDGEME NT	Members discussed ideas to acknowledge Cheryl Lowe's contributions to MRC, Shore Stewards and other Jefferson County Programs. Jackie suggested a Finn River Open House. There was general consensus that this was a great idea. Jackie will work on logistics. Caroline noted plans to acknowledge Cheryl at the annual conference. Jackie noted; we might see Cheryl as independent consultant until position filled.		
BoCC REPORT	Commissioner Brotherton noted WDFW analysis of Kalaloch razor clam. He went razor clamming last week. Greg would like to discuss the letter that Nam circulated about the City's Sewer Outfall replacement. He spoke to Steve Mader, the County's critical areas ordinance consultant. Nam had commented on the lack of analysis on non-outfall option - Steve Mader said it is not viable. However, Nam said that Steve was frustrated that taking the outfall out further wasn't further assessed. Greg made a comment to City Council.		

	<p>Nam noted extending the outfall would be more appropriate at project level. Judy gave a brief overview of status of the Sewer outfall replacement project. Members would like to have Dave Peterson, City Engineer as a future guest speaker.</p> <p>Greg referred to Al Bergstein's blog post re: a lawsuit filed against the ACOE issuance of a Nationwide Permit. Judge opined that ACOE permit was not consistent with Clean Water Act.</p>	Judy to ask Dave Peterson to make a presentation to the group.	
Special Presentation	<p>Don Hunger, Executive Director of NWSF gave an overview of his background and his emphasis on grass roots efforts. He wants to collaborate with Jefferson MRC. He and Caroline described the mission of the NWSF, their fund-raising efforts, past projects and programs, etc. NWSF was created in 2002 to help support NWSC and MRCs. Caroline noted Opportunity Fund application process that MRCs can compete for. Expecting smaller grants in 2020 as it is difficult to find donors. She described various grants the NWSF has either been granted or has applied for including: Sustainable Path Foundation funds, Honda, etc. \$1.6 million budget for 2020. About 22 funding sources. Ruth Blyther is on contract writing grant applications, but it often takes a year from application to award. NWSF is looking for new board members. Lisa Kaufman looking at extension of NFW Foundation grant for Orca task force. If Jefferson is interested in participating, contact NWSF. "Bring us your best ideas" Q&A ensued. Members expressed gratitude for funding and acknowledged Cheryl's past efforts.</p>		
ADMINISTRATIVE (Cliff)	<p>MRC Coordinator update (Cliff) - Got approval from County yesterday for job listing. It will be posted this week as a 30-hour/week with potential to increase as funding becomes available. Salary increased to \$21.87/hr. with benefits. He is coordinating with Emily, Greg, and Jeff who volunteered to be on the selection committee. Anticipates screening in early December.</p> <p>New member recommendations (Jackie) - All applications were made accessible to the MRC. We have 8 openings. Cheryl, Neil, Wade, Jackie and Andy conducted interviews- very excited about this group of applicants! There are many new ideas. More applicants than openings. Jackie moved, second by Jeff, to forward the subcommittee recommended slate to BoCC for appointment: Solenne Walker, Nam Siu, Ray Rolande, Brenda Johnson, Betsy Carlson, Bryan DeCanterina, Brent Vadopalas, Heather Burns. Motion passed unanimously.</p> <p>All candidates were invited to the MRC Annual Conference. Anyone who applied but doesn't get appointed, please keep coming and participating. You are welcome to help on subcommittees.</p> <p>MRC Conference - Next Friday and Saturday 11/15-16 in Everett. Members discussed carpool opportunities.</p> <p>Dec. Meeting - In December, executive committee members terms are up. Neil Harrington and Frank Handler expressed their willingness to serve as Chair and Vice-Chair. Jeff and Sarah are willing to continue to serve as NWSC Rep and Alternate. If anyone else is interested, contact Gordon. Vote in December.</p>	<p>Jackie moved, second by Jeff, to forward the subcommittees recommended slate to BoCC for appointment: Solenne Walker, Nam Siu, Ray Rolande, Brenda Johnson, Betsy Carlson, Brian DeCanterina, Brent Vadopalas, Heather Burns. Motion passed unanimously.</p> <p>All – Contact Executive Board if you are willing to serve on the board for 2020.</p>	
Current and Upcoming Projects	<p>MRC 2019 Highlights (Emily)- Emily passed around End of Year Summary Reports Highlights, prepared in coordination with Cheryl. She provided a brief overview. Gordon noted the recent article in the Leader featuring OlyOyster Restoration with a photo of Neil.</p> <p>Forage Fish Monitoring (Jackie & Jeff) Potential new shoreline restoration site on E. side of Discovery Bay now starting pre-restoration forage fish monitoring. There was opportunity for informal outreach during the site visit. Nam noted surf smelt spawning in Killisut Harbor last week, very dense!</p> <p>Olympia Oyster (Neil)-no report.</p> <p>PT Sewer Outfall Replacement (Nam) - Nam sent several emails re: the City's SEPA determination for the Wastewater Facilities Plan Amendment. This was not a specific project review which is yet to come. There was a 14-day Comment period and</p>		

	<p>thus, MRC was unable to comment given our monthly meetings. He recommends we do comment for project-level SEPA. He attended Council hearing as a private citizen. Although timeline passed, he thinks it is still beneficial to comment to Council. Three private citizens and Tribe also commented at the hearing. Council had a lot of discussion. Replacing the outfall has a lot of immediate impacts to help bed plus continual nutrient loading long-term. City responded to the four comment letters. He did not feel the Port Gamble system of membrane reverse osmosis (Class A) was adequately addressed. City said too expensive, but they did not quantify. City reports were older (2010); costs have come down since then. He noted Jefferson County is exploring same technology for Port Hadlock. The Facilities Plan update was triggered by a NPDES update. Estimated \$4 million to replace outfall. Soon Ecology will be updating its discharge requirements. Nam's argument is the City should invest the \$4 million in the treatment plant now, rather than replacing the outfall and damaging kelp beds. City expressed concerns about rate payers as well. City to conduct workshop in Spring.</p> <p>Member discussion ensued: Emily noted kelp and eelgrass very different in terms of restoration. Big concern about removing eelgrass, it has a very poor success rate for transplanting. Nam continued, only 50% survival on average. The cost for the contingency plan not accounted for by the City. Emily monitored one project that was not successful, and it takes 20 years when successful. Bull kelp restoration success is currently unknown, however it is being actively researched.</p> <p>Nam - when we get to the stage of commenting on the project SEPA- construction methodology comments will be key. Once you disturb the kelp, more weedy species populate.</p> <p>Gordon suggested time on December agenda on how to approach this. Nam suggested he draft a letter on the plan level for County BoCC. Troy suggested bringing this up at the Annual Conference. Members thought it may be too late given conference is Nov. 15.</p> <p>Gordon suggested the outfall committee draft a letter for review by the full committee in December.</p> <p>Nam questioned whether the water could be used at the Mill, golf course etc.</p> <p>Judy - this group had previously noted ability to help the City identify methods to minimize/mitigate impacts.</p> <p>No Anchor Zones (Troy) - Thanks to the Port for use of their boat. Summer buoy removal went well. Gordon cleaned those buoys. Winter buoys installed. Equipment looking good. Steve noted defacto mooring south of the jetty and also mentioned issues with derelict boat rules. Port will monitor. Port is having conversations with Troy Wood at DNR, head of Derelict Vessel Removal Program (DVRP) re: repeat derelict boat offenders. Lack of funding. Solenne suggested Port explore the option of removing and then submit for reimbursement from DVRP. Solenne will provide information on DVRP. Gordon noted a buoy was recovered from Mystery Bay.</p> <p>Crabber Outreach Report – No report. End of year report in December.</p> <p>Kelp Monitoring - No report</p> <p>Rain Garden - Bob thanked those that helped with installation of rain garden in Quilcene.</p>		
Recent Meetings Reports	<p>Creosote Workshop & MyCoast App (Frank)- Cheryl, Troy and Frank attended Island MRC workshop. They used MyCoast App to document location of creosote logs. Each foot of creosote contains about 1 gallon of oil. He encouraged members to upload the MyCoast app. Solenne noted you can use it online or on your phone.</p> <p>No NWSC meeting in October.</p> <p>Annual Conference November 15 -16 Marriott, Everett</p>		
Public Comment	Betsy Carlson announced upcoming event at 3:00 this Sunday, Zooplankton and the effect of climate change - Fort Worden		

	Chapel. Dana Oster - NWSC, Kelp Conservation Recovery Plan in peer review. It will then be released for public review. Thanks to DNR and to those who have participated in workshops.		
MRC Roundtable/ Announcements	Sunday at 1:00, Local 2020 meet and greet at the Community Center. Gordon referred members to upcoming meetings listed at bottom of agenda. Dana noted NWSC will hold Jan 8 Project Planning Workshop for all 7 MRCs to share and develop projects.		
ADJOURNMENT	Meeting was adjourned at 7:57pm.		



Jefferson County Marine Resources Committee

Meeting Agenda Tues, Dec. 3, 2019

Port Commissioners Bldg.
333 Benedict St, Port Townsend, WA

AGENDA

Officers/Executive Committee:

Gordon King, Chair

Emily Bishop, Vice-Chair

Jeff Taylor NWSC Representative

Sarah Fiskén, NWSC Alternate

MRC Members:

Solenne Walker, District 1

Emily Bishop, District 1

Ray LaRonde, District 1, Alt.

Brenda Johnson, District 2

Jeff Taylor, District 2

Frank Handler, District 2, Alt.

Heather Burns, District 3

Sarah Fiskén, District 3

Jackie Gardner, District 3 Alt

Betsy Carlson, Envir/Conserv'n

Bryan DeCaterina, Env/Cons Alt.

Steve Tucker, Port of PT

Gordon King, Commercial
Interest

Nam Siu, Marine Science

Brent Vadopalas, Marine Sci Alt.

Greg Brotherton, BOCC

Troy McKelvey, Recreation

Roy Clark, Recreation Alt.

Judy Surber, City of Port
Townsend

Neil Harrington, Tribal

_____, U.S. Navy, Indian Is.

Staff:

_____, Coordinator

Robert Simmons, WSU Faculty

c/o WSU Jefferson Extension

121 Oak Bay Rd

Port Hadlock WA 98339

www.jeffersonmrc.org

Jeff.Co.MRC@gmail.com

6:00 pm

Call to Order/Roll Call

Guest Introductions

Submit volunteer hours

6:05 pm

Amendments to/Approval of Agenda

Amendments to/Approval of Nov 2019 Minutes

6:08 pm

Public Comment

6:10 pm

BoCC Report (Greg Brotherton)

6:20 pm

Guest Speakers (Oil spill preparations & planning):

Willie Bence (Jeff. Co. Dept of Emergency Management)

Tim Callister (Emergency Mgr, Indian Island Naval
Magazine)

6:45 pm

Update on European Green Crab monitoring

Neil Harrington

7:05 pm

Administrative

- Nomination/Election for MRC Exec Comm
- MRC Coordinator update (Bob) – 2 min
- Sign up for MRC project sub-committees, esp.
Education/outreach priority
- MRC Conference (short debrief)
- Program ideas

7:20 pm

Current & Upcoming Projects

- PT Outfall (Nam) - 15 min
- Rain Garden (Bob) – 5 min
- No Anchor Zones – no report
- Crabber Outreach – no report
- Kelp Monitoring – no report
- Forage Fish monitoring - no report
- Olympia oysters – no report

7:45 pm

Recent Meeting Reports & Issue Updates

(Next NWSC mtg is in early Dec.)

7:50 pm

Public Comments

7:55 pm

MRC Member Roundtable/Announcements

8:00 pm

Adjourn

Meetings, Events and Dates to Remember

- Dec 6 - NWSC (Web-Ex)
- Dec 6 - Strait ERN mtg (Blyn)
- Jan. 7 - MRC Monthly Meeting
- Jan 8, 2020 – NWSC Project Planning workshop @ Padilla Bay NER

**Jefferson County Marine Resources Committee
Port Commissioners Bldg.
333 Benedict Street, WA
December 3, 2019 Meeting Minutes**

Present:

Gordon King, Commercial Interest, Chair
Emily Bishop, District 1, Vice-Chair
Jeff Taylor, District 2, NWS Rep.
Sarah Fisksen, District 3, NWS Alt.
Solenne Walker, District 1 Alt.
Ray RaLonde, District 1
Brenda Johnson, District 2
Heather Burns, District 3
Jackie Gardner, District 3 Alt.
Bryan DeCaterina, Env/Conserv Alt.
Steve Tucker, *ex officio*, Port of Port Townsend
Nam Siu, Marine Science
Brent Vadopalas, Marine Science Alt.
Greg Brotherton, *ex officio*, BoCC
Troy McKelvey, Recreation
Roy Clark, Recreation Alt.
Judy Surber, City of Port Townsend
Neil Harrington, Tribal
Betsy Carlson, Env/Conserv (arrived 7:33)

Absent:

Frank Handler, District 2 Alt.

Guests:

Cheryl Lowe, Pam Petranek, Ed Thompson,
Tim Callister, Willie Bence, Robert Knapp,
Christopher Kelley

Staff:

Bob Simmons, WSU Faculty

Topic	Update or Issue	Decisions/Follow-Up	Responsibility
CALL TO ORDER GUEST INTRODUCTIONS	Chair Gordon King called the meeting to order at 6:00 PM. There was a round of introductions as guests were present.	A quorum was present.	All members – please sign in and record volunteer hours
AMENDMENTS TO/APPROVAL OF AGENDA APPROVAL OF MINUTES	Gordon asked for approval/amendments to the Agenda. Nam Siu moved to approve agenda with the addition of 5 min. overview of Crabber Outreach and Forage Fish Report. Sarah Fisksen seconded - motion passed. Gordon asked for a motion to approve/amend November Minutes. Emily suggested edits replace "Bull kelp easier to restore since it is an annual species "with bull kelp restoration is unknown." Jackie Gardner moved to approve as amended. Nam Siu seconded. Approved as amended.	Nam Siu moved to approve agenda with the addition of 5 min. overview of Crabber Outreach and Forage Fish Report. Sarah Fisksen seconded - motion passed.	
PUBLIC COMMENT	None.		
BoCC REPORT	Commissioner Brotherton – 2019 Congress designated Maritime National Heritage Area (all of coastline except south of Grays Harbor. He attended a presentation by Chris Moore, WA. Trust for Historic Preservation. What does that mean? RFPs for areas like PT/Boat Haven etc. Opportunity to propose a project as plan is developed. Potential interpretive themes for signage including "protecting our shores" and "harvesting from the sea". Put together a trail along the coast highlighting themes. He offered to share slides with Bob. Federal funding of 150k for planning for 3 years administered by National Parks. New MRC members were approved by BOCC. He's heard interest in Forage fish sampling at Duckabush. Possible agenda item for next meeting. There was some discussion about need to coordinate with Skokomish Tribe.		
Guest Speakers (Oil spill preparations &	Oil Spill Preparedness - Will Bence (Jefferson County Dept. Of Emergency Management & Tim Callister Emergency Manager, Indian Island Naval Magazine) provided an overview of risk and		

planning)	<p>response capabilities. Right-to-know Act - any organization with a certain amount of hazardous material must disclose (MSDS). Willie gave overview of thresholds for reporting. In Jefferson County, we have 34 businesses/organizations required to report annually by March 1 to Feds, State, County Emergency Management Services, Fire Dept.</p> <p>In addition to site concerns, transportation of hazardous materials is a concern. Marinas, ferry terminal, Navy presence means spills can easily occur on much of the coastline. Many materials frequently transported are not reported (e.g. industrial oils, acids, pesticides, etc.). Ecology posts maps of oil transport routes via waterways and rail.</p> <p>Responsibilities and Capabilities - Local law enforcement trained for awareness only. Mostly scene safety and evacuation. Dept. of Emergency Management provides public information etc.; Local fire departments trained to recognize incidents and then they report to other agencies for clean-up. State Patrol on highways; USCG on waterways. Ecology handle the bulk of it: containment, cleanup, damage assessment etc. If greater than 1,000 gallons, Federal Government (US EPA) takes over.</p> <p>Statewide response plans (Geographic Response Plans (GRPs)) are available on ECY website. Plans provide detail on equipment/personnel recommended for response. Ecology equipment caches are located in various key locations (e.g., Port and Ferry Terminal).</p> <p>Tim: Indian Island has 12,000 feet of oil containment boom. They hold regular drills and training. Like any other spill, it's a community response.</p> <p>Q&A: In event of an oil spill in water, USCG is Federal lead and coordinates response. ECY state on-site coordinator. There are also local and tribal coordinators. There are oil response contractors on retainer.</p> <p>Ecology collects data and maps spills as small as 1 gallon. But it does not include derelict vessels or ship sewerage released in error.</p> <p>24/7 spill response call line at State and Federal Level.</p> <p>Tim and Willie asked the if there was interest in working on the Local emergency planning committee (LEPC) to update the community's emergency response plan? If interested, please contact Willie.</p> <p>Q&A ensued. Containment booms limitations, dispersement, etc.</p> <p>Bob Simmons announced upcoming oil spill training- he will send announcements as these opportunities come up.</p>	<p>If interested in serving on LEPC, please contact Willie.</p> <p>Bob Simmons to send announcements as training opportunities come up.</p>	
Update on European Green Crab Monitoring	<p>Neil Harrington, Jamestown S'Klallam Tribe, described characteristics of the green crab, they are not always green, can be reddish or yellowish. As omnivores they eat everything including baby shellfish, eelgrass shoots. One of the world's top invasive species. Impacts include eelgrass loss, impact clams and oysters, salt marsh erosion, compete with native crabs. Invaded east coast of US in 1800's, SF Bay 1989. Sooke Basin 2012. They can be planktonic larvae for up to 80 days and thus easily drift.</p> <p>WA Sea Grant Crab Team monitoring Puget Sound. Traps set at 50 sites monitored monthly April-September by volunteers. They have detected new populations in several locations (Dungeness Spit, Kala Point, Sequim Bay, etc.). Trapping has been effective in several areas. Invasive species could have significant impact to Tribal resources. 4,744 have been found in WA State 1998-November 2019. Recent monitoring/findings in Whatcom and Snohomish Counties Neil says is cause for concern. Red Rock crabs will beat these guys up.</p> <p>If you find green crab, contact crabteam@uw.edu Smartphone App: "WA invasives"</p> <p>Q&A: Canadian efforts, genetic sampling?</p>	<p>All – if you find green crab, contact crabteam@uw.edu Smartphone App: "WA invasives"</p>	
ADMINISTRATIVE (Bob)	<p>Nomination/Election for MRC Exec. Comm Existing Board: Gordon, Emily, Sarah and Jeff.</p>	<p>Jackie Gardner nominated Neil Harrington and Frank Handler as</p>	

	<p>Sarah and Jeff have offered not stay on. Neil and Frank have offered to co-chair. Jackie Gardner nominated Neil Harrington and Frank Handler as co-chairs. Seconded by Troy. Motion Passed. Emily Bishop nominated Jeff Taylor and Sarah Fisker to continue as NWSC representatives. Second by Greg Brotherton. Motion Passed.</p> <p>MRC Coordinator update (Bob Simmons) Six applicants so far. He will contact volunteers for review committee. Hope to make offer around the end of the year and have the new coordinator onboard by end of January.</p> <p>MRC Conference Debrief - Members found talks informative. Opportunities to interact with other MRCs were appreciated.</p> <p>Program Ideas - Sign up for MRC project sub-committees, esp. Education Outreach. If you know of speakers, topics - contact Gordon. Roy had an idea for coordinating marine activities.</p>	<p>co-chairs. Seconded by Troy. Motion Passed.</p> <p>Emily Bishop nominated Jeff Taylor and Sarah Fisker to continue as NWSC representatives. Second by Greg Brotherton. Motion Passed.</p> <p>Bob to contact volunteers on review committee to arrange review/interview of applicants.</p> <p>All - Sign up for MRC project sub-committees. If you know of speakers, topics - contact Gordon.</p>	
Current and Upcoming Projects	<p>Outfall Advisory (Nam)- PT Outfall - Nam in process of drafting a letter. He is coordinating with other subcommittee members. He will run it by subcommittee and then up to whole MRC to consider forwarding to BOCC. He recapped his concerns including short SEPA comment period didn't allow for MRC to comment, materials didn't thoroughly assess alternatives to replacement; there will be a separate SEPA comment letter for project level construction, didn't address SMP policies especially no net loss. Construction impacts to Kelp, eelgrass, orca impacts etc. and long-term impacts from nutrient loads/eutrophication. Ecology is expected to develop new rules. He considers replacing the outfall (\$4million) is short-sighted, since they may be required by the new rules to do more. He noted other comment letters including one from 2010 that asked about upland disposal. City responded it was too expensive and difficult. Nam wants to see the numbers and asks if new technologies were considered. For Port Hadlock, costs came down significantly 2009-2016. Judy added, Dave Peterson, City Engineer, offered to present to the MRC. Nam had suggested that occur once the Mitigation Plan is available for review.</p> <p>Betsy arrived (7:33)</p> <p>Rain Gardens (Bob): Quilcene rain garden appears to be functioning well. With NWSF grant will be conducting trainings for volunteers and landscape contractors on installation and maintenance. The training will be held at the Cape George Community Center and will include an installation (April 14-16). In January, he will meet with City on rain gardens within City limits.</p> <p>Crabber Outreach (Jackie) NWSF finalized report on crab pot and derelict gear removal. First year of 3-year project focused on Dungeness and PT Bays. Workshops were held here and in Clallam County. She gave highlights of the results. Only 5% of recovered pots went to landfill; rest were donated/sold. Keep up the messaging on rot cord and weighing of pots. They will clean up again in 2020 and 2021 to determine what's working.</p> <p>Forage Fish - Troy, Dave Burrows, and Jeff sampled Aldelma Beach today. Found eggs!</p> <p>No Anchor Zones -No report</p> <p>Kelp Monitoring - No report.</p> <p>Olympia Oysters- No report</p>		
Recent Meetings Reports	<p>NWSC meeting - coming up this Friday at 10:00 it's a web conference. Planning for the retreat. Meet at NWMC if interested. January 8 - Padilla Bay workshop on MRC projects, Jeff will attend. Contact him if you wish to join him. Neil may also attend.</p> <p>Strait ERN meeting at Jamestown December 6 at 9:30-2:00. Bob and Neil will attend. Contact Bob if interested in carpooling.</p>	<p>All - contact Jeff if you wish to attend 1/8 meeting in Padilla Bay.</p>	

	December 12, Thursday 4-6 Finn River come celebrate Cheryl! Sarah collecting for Thank you gift for outgoing members Judy D'Amore (20 years) and Andy Palmer (21 years), Steve (8 years) and Jackie (4 years), this is their last meeting. Thank you! Steve and Jackie both commented that they enjoyed the MRC because it is action oriented.		
Public Comment	Inspired and impressed. Gordon encouraged audience to volunteer!		
MRC Roundtable/ Announcements	None.		
ADJOURNMENT	Meeting was adjourned at 7:58		