

Snohomish County Marine Resources Advisory Committee Meeting Meeting Summary

January 16, 2019 6:30-8:30PM
3000 Rockefeller Ave, Snohomish County Campus, Everett WA 98201
Admin East Building, 6th Floor

MRC Members Present Sarah Brown Bob Hillmann Mike Ehlebracht Tom Doerge Laura Gurley Paul Clampitt Traci Sanderson Cathy Stanley Franchesca Perez Susan Tarpley Craig Wollam Absent Deborah Hopkins	Staff, Presenters, and Others Elisa Dawson, MRC Staff Sharon Swan, Snohomish County Parks Kari Quaas, Snohomish Conservation District Kyle Koch, Adopt-a-Stream Foundation
Summary of Decisions The MRC approved the November 7 th MRC Meeting Summary. The MRC will write a Funding Request Letter to various members of the Washington State Legislature.	
Upcoming Events <ul style="list-style-type: none">● Starlight Beach Walk January 17th● Sound Waters February 2nd● Forage Fish Survey February 21st	

Welcome and Introductions

Chair Sarah Brown opened the Marine Resources Committee (MRC) meeting with a quorum at 6:30pm.

Sarah introduced himself and called for self-introduction of meeting participants.

Approval of MRC Meeting Summary

Mike Ehlebracht made a motion to approve the November 7, 2018 MRC Meeting Summary. Craig Wollam seconded the motion. All were in favor and the motion passed.

Update and Discussion on Kayak Point Park

Sarah Brown introduced Sharon Swan. Sharon Swan, is the Snohomish County Parks Principle Planner overseeing the Day Use Area Plan and Park renovations for Kayak Point Park.

Sharon previously gave an update on the Day Use Area Schematic Plan for Kayak Point County Park to the MRC in May 2017. . At that time, Sharon reported that the current plan for the park was informed by the work done in 2002-2003 and 2008-2011 in partnership with the Snohomish County MRC. In 2010, Snohomish County Parks and the MRC worked to create a shared Vision Statement through a series of public meetings. Sharon reported that this work continues to guide the plan for Kayak Point Park Day Use Area.

Sharon passed around copies of the most recent Kayak Point Day Use Area Schematic Plan. Sharon reported that she has continued to review MRC suggestions and input and wanted to give a few updates. First, she gave an update on the boat ramp. A main feature in the design for Kayak Point County Park Day Use Area is a raised boat ramp. The raised boat ramp will allow for sediment to move freely under the ramp instead of piling up on the ramp. The sediment build up on the boat ramp creates a very difficult launch for vehicles and trailers. Sharon reported that the raised boat ramp is a priority for the new design, and will help solve the problem of sediment build up. Additionally, she noted that the raised boat ramp will add to the beach ecological system function by allowing the sediment to move more freely along the shoreline. Along with the boat ramp updates, the project also will replace the wood pier deck with a grated deck. Sharon said the new decking will be more resistant to salt water, and allow for more light to get through the pier for ecological benefit.

At the last meeting, MRC members brought up ideas of a salt water estuary and additional storm water treatment. Sharon said she noted these concerns, and went back to talk with her colleagues about them. While the MRC had worked with Parks to complete the Barrier Lagoon Feasibility Study for Kayak Point County Park in 2011, Sharon said that the specialists working on this project cannot incorporate that design into this project. Sharon noted that this study indicated that there wasn't enough freshwater or groundwater available on the site to keep the lagoon open and functional.

Another major design goal for the park is to move parking away from the beach. Sharon noted that by moving the parking further away from the beach, they hope to create more recreational space along the shoreline, as well as create additional ecological benefit. The park design will meet ADA requirements and the parking closest to the beach will be ADA. Additionally, there is some parking for kayakers to offload their boats near the water.

Sharon mentioned that sea level rise (SLR) is another major consideration for this project and the park. The new plan focuses on preparing the park for SLR. Snohomish County Parks has decided to prepare the park for a 4.5 foot SLR increase in the year 2100. This will mean bringing in fill to raise the height of the beach. Sharon reported that this fill would be protected by a gravel berm surrounding the park. The berm will reach as high as 4.5 feet on the southern side of the beach, the berm will not be as high on the northern side due to funding restraints and prioritization of which area receives the highest storm surges.

In addition to these changes, Sharon mentioned a few other updates since the last meeting. The Park will be leaving the original restroom structure due to costs of moving the structure. Sharon had also looked into mooring buoys that the MRC had suggested, but there was tribal concern and Snohomish County Parks decided not to pursue it further. Finally, Sharon has incorporated more native plants and shrubs into the design at the MRC request. The current project cost is \$12

million, and Sharon believes the Parks Department will create a 2-phase build to accommodate the cost.

The MRC thanked Sharon for her presentation. Bob asked what the lifespan of the project was. Sharon said that while the plan has a 50 year lifespan, they often do not get to address parks at this scale for 50 years or more. Kari asked if it would be possible to accommodate bike racks in the day-use portion of the park. Sharon said that while she doesn't currently have any planned, that would be a great idea to add, and she will work on incorporating that into the design. Laura said that because the trees will be removed, she is worried about shade at the park. Will the Park be adding in any large trees to accommodate shading? Sharon said that is not currently in the plan, but she will work on that issue with her colleagues. Finally the MRC recommended that pet waste bags and garbage cans be made available at Kayak Point Regional Park.

NRC Forage Fish Report and Forage Fish Story Map

Traci reported that the MRC has been working with a consultant from Natural Resources Consultants (NRC) to analyze data the MRC has been collecting on forage fish egg presence and sediment grain size data for the Nearshore Restoration Project. The focus of the NRC study was to evaluate spawning habitat for surf smelt and sand lance in the intertidal area of the Everett shoreline and document the effectiveness of restoration efforts, particularly the potential forage fish spawning response to beach nourishment. Restoration work focused on the removal of the bulkhead at Howarth Park, and the addition of sediments to the nearshore to improve potential habitat for smelt and sand lance spawning.

From this study, Traci mentioned several noteworthy findings. For sand lance, the analysis of surveys demonstrated that repeated long-term monitoring with trained volunteers can capture repeated spawning events with enough frequency to determine some substrate and habitat preferences. Sand lance appear to have less location-specific affinity than smelt within the study area, and instead look for their desired substrate, a grain size of 0.152 – 0.422 mm when selecting spawning sites. While there was significance among site selection based on ranked egg presence, this varied considerably among years, and suggests that there may be other environmental factors driving site selection for spawning activity. Fine sediments preferred by sand lance are more mobile along the shoreline in a dynamic wave-driven system, and the availability of percent grain at individual sites varied between samples and years both before and after nourishment, particularly for sites 2 and 5 at the southern end of the drift cell. Improving the habitat of the entire shoreline, or targeting areas near or adjacent to preferred sites where spawning is known to occur will likely have the greatest impact on egg survival for Pacific sand lance. It is unclear yet if relying on sediment drift from adjacent nourishment locations suitably improves habitat at individual sites.

Surf smelt appear to favor north facing beaches that experience low solar exposure, and beaches with moderate wave action that facilitate the burying of eggs in the sand. Both factors help reduce egg desiccation and improve egg survival and development. This general trend was found in these surveys, where smelt use of suitable substrate was not significant, but spawning was consistently more frequent towards the north end of the drift cell, where substrate size was consistently greater than all other sites, except 2S. This south to north trend of suitability relative to the direction of the drift cell has been observed in other studies. Overall for this study an

average percent grain availability of 25-30% appeared enough for spawning to occur, but site preference was the dominant factor determining frequency of eggs found.

Elisa told the MRC that she is working with SWM staff on creating a story map for the Nearshore Restoration Project. The story map will let the MRC combine authoritative maps with narrative text, images, and multimedia content. They make it easy to harness the power of maps and geography to tell your story. This platform will be a great way to share information about the project in a straightforward and interesting way to the public. Elisa will check in with Kathleen about submitting an abstract with the story map to the 2019 Salmon Recovery Conference on this project. No MRC members mentioned they would be attending the conference, and Elisa cannot either. Submitting the abstract would depend on availability of someone to attend the conference.

Tom, Cathy Craig, Franny volunteered to help at Howarth for the February 21st, 2019 sampling. Paul will not be able to sample for Meadowdale and Picnic Point in February. Elisa will discuss a plan with Kathleen for surveying Meadowdale and Picnic Point in February.

MRC Annual Work Plan Review

The MRC went through the 2019 Annual Work Plan which was drafted at the MRC retreat in November 2018. The Annual Work Plan is a detailed plan outlining what will be achieved during the year in order to achieve specific results. It contains the anticipated outcomes, the activities to be performed toward achieving the anticipated outcomes, the time frame involved, those responsible for performing the activities, and what each activity entails. The MRC Annual Work Plan helps our committee monitor how our desired goals are being accomplished. Each activity contributes to the aim of the work plan, and the accomplishments of the work plan as a whole contribute to the mission of the MRC.

Elisa mentioned that the MRC has decided to divide the Annual Work Plan by MRC Projects. The MRC went through the project list and decided upon a lead who Elisa will contact to edit and approve the Annual Work Plan for that project.

List of Projects for 2019 Annual Work Plan:

1. MRC Grant Administration
2. Ocean Literacy Project
3. MyCoast Communications Plan and Implementation Project
4. Nearshore Beach Restoration Project Monitoring and Maintenance
5. Forage Fish Spawning Surveys
6. Meadowdale Park Design and Restoration
7. Recreational Fisheries Education/Crabber Social Marketing
8. Mussel Watch
9. Oil Spill Preparedness
10. Kelp Monitoring
11. Port Susan Marine Stewardship Area
12. Snohomish Estuary Clean-up & Derelict Crab Pots

Elisa will compile the edits into the final document. The final Annual Work Plan will be reviewed and approved at the February 2019 MRC Meeting. Franchesca asked when the MRC

should consider starting the 2018 Annual Report. Elisa responded that the Annual Report for 2018 isn't due until April 11, 2019. Work on the Annual Report for 2018 will begin in February. Additionally, the MRC will schedule their report to Council once the Annual Report has been completed. Elisa will check with Kathleen to schedule the annual presentation to council.

MRC Funding Request Letter

Paul Clampitt gave a report on the Northwest Straits Commission (NWSC) efforts to educate our representatives in Olympia of the importance of the Initiative and ongoing funding need. Paul coordinated a meeting with Senator Marko Liias and Representative Strom Peterson on 1/16/19 to provide an update on the Northwest Straits Initiative. They discussed several specific issues. First, Paul and Lucas Hart, NWSC Executive Director, described the structure of the Northwest Straits Initiative, which is composed of the NWSC (government arm), Northwest Straits Foundation (non-profit arm) and seven county based Marine Resources Committees made up of volunteers with the mission to restore and protect Puget Sound through volunteer grassroots action. Paul explained to Senator Liias that the NWSC received a state appropriation in 2017-2019 (\$443,000/year) that expires in June 2019. The funding provides 44% of Marine Resources Committee funding. He said the NWSC is seeking someone to lead an effort to double the funding and secure it in legislation.

Paul reported that Senator Liias suggested the NWSC may pursue an appropriation similar to the last biennium in addition to something related to Orca whales. Lucas and Paul explained that there are overlaps between the NWSC's work and the Orca Task Force Recommendations. In particular, the NWSC could serve as a central coordinating body for Shore Friendly homeowner outreach under recommendation 5 and provide forage fish monitoring under recommendation 15. Paul said he mentioned that the NWSC is also meeting with Debra Lekanoff to discuss these issues. Paul said he did not attend the meeting with Lekanoff, but Allan Clark, the NWSC vice Chair, and Lucas did provide her the same information. Representatives from the NWSC, including Paul, are planning follow up meetings on 2/6/19 with other representative from Snohomish and Clallam Counties including senator's Rolfe, Salomon, Pulumbo and others.

The MRC has been requested by the NWSC to ask the Snohomish County Executive to write a support letter for this work. Paul volunteered to draft a letter using the template provided by NWSC and an example letter from the Island County MRC. Paul will send a draft letter to the MRC to edit by 1/25/19 and send on to MRC Staff to coordinate with the Executive. The MRC will work to have the letter signed and complete by the end of January.

MyCoast Marketing Plan Status

Sarah Brown reported that she, Kathleen Pozarycki, Elisa Dawson, and Franchesca Perez interviewed consultants to help with the MRC 2018-2019 Grant on January 10th. The committee chose a consultant and is working through the County contracting staff to hire the consultant. The goal is to complete the Communications Plan by March 8th, 2019. After that, the MRC will work with the consultant on implementing the plan.

Announcements

- **NWSC Update (Paul):** Paul said there were no additional NWSC updates.

- **Port Susan Shoreline Outreach (Elisa):** Elisa reported that the Request for Proposals for shoreline armor removal projects is being released at the end of the month. Elisa will work with Lisa Kaufman to determine how the NWSF will proceed. The Snohomish MRC is interested in continuing to be a part of the collaboration with the NWSF.
- **Derelict Vessels Project (Elisa):** Elisa reported that the derelict vessels have been removed by the contractors. Kathleen is working on processing invoices, filing out grant reporting paperwork, and developing a final report and factsheet.
- **Crab Pot Removal (Bob):** Bob reported that the 2018 NRC final report for Port Gardner and Mukilteo derelict fishing gear removal project and study area analysis is now available. He reviewed the report and said the results were that 231 pots were detected, 211 were removed. 35% were commercial, and 65% were recreational. 74% of pots were equipped with escape cord.
- **Edmonds Starlight Beach Walk (Susan):** Susan invited all the MRC members to the Starlight Beach Walk January 17th, 2019. The event is a collaboration between WSU Beach Watchers, the City of Edmonds, and the MRC. Guests will enjoy hot chocolate and learn about their local marine environment. MRC Members Tom Doerge, Craig Wollam, and Susan Tarpley will be attending to represent the MRC.

The meeting adjourned at 8:30PM.

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<p>Summary of Decisions</p> <p>The MRC approved the January 16th MRC Meeting Summary.</p> <p>The MRC approved the 2019 Annual Work Plan.</p>	
<p>Upcoming Events</p> <ul style="list-style-type: none"> ● Forage Fish Survey- February 21st ● MRC Crabber Ed Subcommittee Meeting- February 27th at 2:30PM ● WDFW Puget Sound Recreational Fisheries Discussion March 27th at 6PM ● Snohomish County Earth Day- April 23rd 11:30AM-1:30PM 	

Welcome and Introductions

Co-Chair Mike Ehlebracht opened the Marine Resources Committee (MRC) meeting with a quorum at 6:30pm.

Mike introduced himself and called for self-introduction of meeting participants.

Approval of MRC Meeting Summary

Laura Gurley made a motion to approve the January 16th, 2018 MRC Meeting Summary. Tom Doerge seconded the motion. All were in favor and the motion passed.

Northwest Straits Commission Update

Kathleen Pozarycki introduced Dana Oster. Dana is the Marine Program Manager for the Northwest Straits Commission, which was previously Lucas Hart's position. Dana started her position in September 2018, after working for several months with the Northwest Straits Foundation. She has been focusing on attending a meeting for each MRC for the last few months to give an update on her work.

First, Dana gave an update on the MRC grant Request for Proposal (RFP). Dana is working with Northwest Straits Commission staff to update the MRC grant RFP to address redundancy in the RFP and streamline the application process. The new RFP will focus on measuring outcomes and include a logic model for MRCs to use to better consider short term and long term goals and objectives within their grant. The RFP will be available this spring for MRCs to use in their 2019-2020 project planning.

Another project Dana is focusing on is the regional Kelp Project monitoring and planning. Dana thanked the Snohomish MRC for their annual kelp monitoring work. She noted that the data from the Snohomish MRC has been particularly interesting as the largest declines have been seen in Snohomish compared to the other MRCs. Dana is working on putting together a workshop for MRC Kelp Subcommittee members to attend. The workshop will focus ways to make the protocol more consistent, such as using the same thermometers for measuring temperature in all MRC kelp monitoring efforts. Dana has not scheduled this workshop yet, but expects it to be in April or May 2019. Cathy asked if Dana or the MRC knew if urchins graze on kelp. Susan responded that the Puget Sound primarily has green urchins, which reside higher in the water column than where kelp usually live, so urchins do not cause a large threat to kelp in Puget Sound.

Data reported that she is also working on the Kelp Conservation and Recovery Plan. This project was started by Lucas Hart, and the Northwest Straits has funding to complete the Kelp Conservation and Recovery Plan in 2019. The first workshop for 2019 will be on February 28th. Tom Doerge is attending for the Snohomish MRC. Dana shared that a draft kelp problem statement has been created to help people understand the issue. Dana read the draft Kelp Problem Statement:

“The 24 species of kelp in the Puget Sound provide important habitat & ecosystem services. Bull kelp appears to be in decline, particularly in the central and south sound. But data is sparse. The precise functions, trends and distributions of the other 23 species of understory and mid-story kelp are poorly understood. We are taking the precautionary approach, with the goal of improving monitoring, conservation, and restoration actions (particularly for bull kelp).”

Dana reported that the Kelp Conservation and Recovery Plan will use a precautionary approach to guide recovery goals. In 2018, the project focus was to understand the science behind kelp. In 2019, the focus will be on finding data gaps, actions, and writing the plan. The February workshop will focus on gaps, along with restoration, human impacts, biological stressors, and physical stresses, kelp priority areas, kelp distribution and trends. Kathleen asked how the data the MRC has been collected will be used in the Kelp Conservation and Recovery Plan. Dana responded that herself, Suzanne Shull and Helen Berry are working on producing maps which they hope to include in the Kelp Conservation and Recovery Plan

Derelict Boat Slideshow

Kathleen reported that Snohomish MRC partnered with Washington Department of Natural Resources to remove derelict boats in local waters, resulting in the removal of five derelict vessels in 2018 from the Snohomish Estuary and Snohomish County Nearshore. Removing these derelict vessels helps improve water quality by removing toxics and also improves habitat by removing physical barriers. Over sixteen tons of marine debris was removed as part of this project. All the derelict boats were recycled or destroyed following a process to identify and work with last known owners according to Washington Administrative Code. Funding was provided by the Snohomish-Stillaguamish Local Integrating Organization, WA Department of Natural Resources, and Snohomish County Surface Water Management.

Kathleen shared a slideshow of the boats which were removed. In addition to the 5 boats removed using the grant in 2018, an additional 2 boats were removed in early January using Snohomish County MRC budget. Kathleen mentioned that the MRC could work with Snohomish County on address the marinas in the estuary which house many of the derelict vessels. There are many more boats still in the estuary that need to be removed. The Midas, a large boat which the MRC did not have funds to remove in this round, is high on the list for removal but is cost prohibitive. Kathleen said she will check in the Washington State Department of Natural Resources later this spring to talk about more funds which will become available for derelict boat removal on July 1. Paul and Kathleen are planning to do some reconnaissance in June to assess derelict boat removal need and strategically plan for more derelict boat removal.

Shoreline Landowner Outreach Update

Elisa reported that she participated in the Shoreline Landowner conference call with the Northwest Straits Foundation (NWSF) on February 8th. The purpose of this call was to discuss the joint strategy between the MRCs and the NWSF for the request for proposals for the “Shore Friendly” program. Representatives from all seven MRCs attended the call, and Lisa Kaufman (NWSF) facilitated the discussion. Grants will be awarded to local “Shore Friendly” eligible organizations in order to initiate new programs or continue existing programs that provide incentives and support to Puget Sound marine shoreline residential landowners. They will use a similar strategy to their Near Term Action proposal that they submitted to the Puget Sound Partnership. These programs will incentivize landowners to voluntarily remove or forgo armoring, build new homes back further from the shoreline than required, and/or use soft shore alternatives. Programs must target on-the-ground projects with landowners to remove or forgo hard armoring, and strive to produce measurable results in terms of a reduction in armoring.

Lisa reported that she is planning to apply for the grant, and would like to partner with each of the MRCs. Lisa announced that while their strategy for working together through the Northwest Straits Foundation on shoreline armor would be similar, the new funding doesn't cover education and outreach. Because of the lack of funding for outreach activities, Lisa is looking for creative solutions from the MRCs. Lisa discussed addressing septic systems as a new strategy and opportunity, as septic tanks have historically been a barrier to shoreline armor removal. Additionally, the group discussed doing workshop style site visits, where neighboring landowners could sign up for a site visit on one day, instead of trying to sign up people individually. Lisa is open to hearing any other feedback from the MRC. Elisa asked MRC members to please let her know their thoughts in March, and Lisa will be submitting her draft proposal mid-April.

MRC Annual Work Plan Approval

Kathleen shared copies of the MRC Annual Work Plan with the MRC members. Elisa has been working to include all of the updates from members into this final document, which is due on February 22nd as a deliverable for our grant. Susan asked for a small edit to her title within the Mussel Watch Subcommittee work plan. Kathleen will complete the edit before turning it in to the Northwest Straits Commission.

Franchesca Perez made a motion to adapt the work plan with edits discussed. Tom Doerge seconded the motion. There was no discussion. All were in favor and the motion passed.

8 Things You Can Do To Help Save the Orcas

Elisa shared the “8 Things You Can Do To Help Save the Orcas” document that the MRC has been working to create. She noted that due to legislation pending, she will update the reference to staying 200 yards from whales, because the new legislation will require boaters to stay further. Additionally, the MRC suggested adding a link to the MRC website on the document, so that print outs can be made and shared. Additionally, Elisa will look into the wording on micro-plastics and make additionally changes as needed. After these changes have been made, the document will be available on the MRC website.

MyCoast Marketing Plan Status

Sarah reported that the MRC Grant Subcommittee and Snohomish County SWM have hired EnviroIssues as the consultant to develop the Communications Plan and Marketing Campaign for the MyCoast App. A notice to proceed will be issued once all the contract paperwork is signed. EnviroIssues will be developing the outreach materials and implementing them for the grant. Additionally, another deliverable is a partner toolkit, which the MRC will be able to share with other MRCs and partners. The MyCoast Marketing Plan kickoff meeting with the consultants and the MRC Grant subcommittee is scheduled for Feb 26th 11:00AM. During March, the team will work on creating the Marketing Plan. They hope to have the plan done by mid-April. After that, the team will work on implementation of the plan.

Announcements

- **NWSC Update:** Dana reported that the science committee is writing a letter of support for the pinto abalone policy change. Additionally, she noted that funding is a major priority right now for the NWSC. Lucas is working on finding a champion for funding in the State Legislature. The NWSC will have their annual retreat in March, which Franchesca will attend as the Snohomish MRC representative.
- Bob reported MRC Crabber Ed Subcommittee Meeting will be Feb. 27th at 2:30 pm on the county campus. The subcommittee will be discussing the plan for crabber education 2019.
- Elisa reported that the next forage fish sampling event is tomorrow, Thursday February 21. She asked that anyone who can help to please meet at Howarth at 12PM.
- Bob reported that on March 27, the WDFW Puget Sound Recreational Fisheries Discussion will be from 6 p.m. to 8 p.m. at the WDFW Region 4 Headquarters (16018

Mill Creek Blvd., Mill Creek). The event will be a public discussion of pre-season forecasts and possible salmon fisheries.

- Kathleen reported that two letters of support for the Snohomish MRC were provided to the WA State Legislature by County Executive Dave Somers and Councilwoman Stephanie Wright.
- Kathleen reported that Jennifer Lanksbury provided data on Snohomish county caged mussel sites, and she forwarded this information to the MRC Mussel Watch subcommittee. The MRC is interested in having Jennifer come present on Mussel Watch in June or July 2019.
- Kathleen announced that the Snohomish County Earth Day event will be April 23rd from 11:30-1:30 p.m. Surface Water Management Staff Dani Driscoll is going to use the MRC Discover the Salish Sea curriculum for the focus of Snohomish County earth day events and is also helping connect the MRC with Everett Children's Museum. The Snohomish County Earth Day event is also going to use the MyCoast booth and help promote the smartphone app. The Children's Museum is interested in interacting with the teachers and sharing and distributing the film curriculum for the MRC.
- Susan is continuing to work with her boating community on education around marine resources. Most recently, Susan and partnered with MRC Coordinator Dr. Frances Robertson from San Juan County MRC to do some additional outreach.

The meeting adjourned at 8:34 PM.

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<p>Summary of Decisions</p> <p>The MRC approved the February 20th MRC Meeting Summary.</p>	
<p>Upcoming Events</p> <ul style="list-style-type: none"> ● WDFW Puget Sound Recreational Fisheries Discussion March 27th at 6pm. ● Northwest Straits Foundation Fundraiser on April 5th at Jerry Master’s House. ● Tour of the Alderwood Wastewater Treatment Plant at Picnic Point on April 16th at 1pm. ● Workshop “Addressing Shoreline Armoring in Puget Sound: Weaving together the past and future of design, science, regulations, education, and outreach” on April 23rd in Seattle. ● Snohomish County Earth Day tabling by the MRC- April 23rd 11:30am-1:30pm. ● UW Bothell Earth Day tabling by the MRC – April 24th. 	

Welcome and Introductions

Co-Vice Chair Bob Hillmann opened the Marine Resources Committee (MRC) meeting with a quorum at 6:30pm.

Bob introduced himself and called for self-introduction of meeting participants.

Approval of MRC Meeting Summary

Mike Ehlebracht made a motion to approve the February 20th, 2018 MRC Meeting Summary. Craig Wollam seconded the motion. All were in favor and the motion passed.

MRC Grant Brainstorm RFP 2019-2020

Bob Hillmann began the discussion of ideas for the Northwest Straits Commission MRC grant funding opportunity for 2019-2020. The Request for Proposal (RFP) for the grant was issued in March by the Northwest Straits Commission. The MRC will need to decide on a grant project and schedule a consultation with the MRC and Northwest Straits Commission staff in April.

The first idea the MRC discussed was building off of the 2018 Near Term Action (NTA) proposal, Snohomish River Estuary Creosote Piling Removal Planning, Prioritization, and Removal, which the MRC wrote for the 2018 NTA round. Elisa mentioned that the NTA has not received any funding yet, and because the MRC has already done the work to create this idea, it might be a great opportunity to fund a portion of the idea through the MRC grant. Additionally, Elisa mentioned that there could be an opportunity to continue to promote the MyCoast app as a part of the project proposal as well. The MRC discussed the idea to focus specifically on the prioritization of pilings for the MRC 2019-2020 grant. Because there are so many pilings, many of which are on private land, the MRC discussed prioritizing all the pilings on public land, including Snohomish County, the City of Everett, and Washington State lands. Laura mentioned that the Port of Everett may be interested in participating and having the pilings on their land prioritized. The MRC agreed to keep this idea on their list as they discuss the other options.

Bob said that the next idea for to conduct derelict crab pot removal in Port Gardner Study Area. Kathleen mentioned that the MRC would need to contact the Northwest Straits Foundation, who has done some of the studies historically, the coordinate efforts on this project. Kathleen said that she is unsure if the Northwest Straits Foundation intends to do any crab removal in the Port Gardner Study area in the 2019-2020 season. Several MRC members said that they liked the project idea, and would support it if the Northwest Straits Foundation was not conducting derelict crab pot removal in the area. Paul mentioned that in the past the Foundation has funded the project with money they have gotten temporarily from crab pot fees. He said that while the Northwest Straits Initiative is working on securing funding, they probably won't know about funding and crab pot related work until May. Franny will check in with Northwest Straits Foundation staff at the retreat she is attending later in the week, and will report back to the MRC. The MRC discussed keeping this idea as a second choice, after the piling prioritization.

Kathleen mentioned another idea she had is to hire a consulting firm to develop a report on how Snohomish County could create an in-lieu fee mitigation program to further estuary restoration. Kathleen said that there is \$10 million dollars being discussed as mitigation for the US 2 trestle, and this project would create a mechanism for the County to accept those funds. Kathleen mentioned that after talking with other Snohomish County staff about this idea, she believes it may not be the MRC role to take on this project. After a short discussion, the MRC decided to take this idea off the list for 2019-2020 grant proposal ideas.

Finally, the MRC discussed the idea to create a project around addressing issue of boats illegally moored in Steamboat Slough. Kathleen shared that this she believes this project is not high on her list because of potential challenges noted in past meetings on the subject and concerns from the MRC Executive Committee as well as other Snohomish County staff. MRC members shared concerns about this project as well. The MRC discussed needing to get some clarification around what is legal under the code and what is not. The MRC discussed creating a whitepaper on this subject, but decided to take it off of the list for 2019-2020 grant proposal ideas.

The MRC members present unanimously agreed to move forward with the prioritization of pilings in the Snohomish Estuary as their top choice for the 2019-2020 grant. MRC staff will gather additional information on the project, and will schedule a consultation with Northwest Straits Commission staff to discuss the idea further.

MRC 2018 Annual Report Draft

Elisa Dawson shared copies of the draft MRC 2018 Annual Report with the MRC members. Elisa has been working to complete the 2018 Annual Report, which is due on April 11th, as a deliverable for the MRC grant. Elisa displayed the 2018 Annual Report on the screen, and went through each page with the MRC. Elisa asked for general feedback on the report, and said she will send out the document for a more thorough edit to the MRC members after the meeting. MRC members discussed several edits to the layout and photos in the report. Elisa will incorporate these edits working with Snohomish County Public Works Communications staff. After these edits are complete, she will send out the final draft for review. All comments will be due to Elisa by April 1st, 2019. Kathleen is working on scheduling the presentation to the Snohomish County Council, which will include the Annual Report. This presentation will likely be scheduled for mid-April.

Project Updates and Announcements

- **NWSC Update:** Paul reported that the Northwest Straits Commission wrote a letter in support of streamlining kelp and eelgrass state permitting. Additionally, the Commission is still focused on attaining secure funding for 2020 and beyond. Don Hunger is still serving as the interim director for Northwest Straits Foundation while Caroline is out on medical leave. Paul reported that Franny will be attending the retreat, and will step in as the NWSC representative starting in April.
- **Ocean Literacy:** Kathleen announced that the Snohomish County Earth Day event will be April 23rd from 11:30-1:30 p.m. Surface Water Management Staff Dani Driscoll is going to use the MRC Discover the Salish Sea curriculum for the focus of Snohomish County earth day events and is also helping connect the MRC with Everett Children's Museum. The Snohomish County Earth Day event is also going to use the MyCoast booth and help promote the smartphone app. The Children's Museum is interested in interacting with the teachers and sharing and distributing the film curriculum for the MRC. Susan, Tom, and Franny will stop by the Earth Day event. Tom will pick up the booth at the event and take it to the UW Bothell Earth Day event, which is the next day.
- **MyCoast Marketing Plan Update:** Kathleen reported that she, Elisa Dawson, Franchesca Perez, and Sarah Brown attended the MyCoast App Marketing Campaign Project Kick-Off on February 26th. EnviroIssues is the consultant working on the MyCoast App Marketing Campaign Project. Staff from EnviroIssues led a conversation around project planning and goals. EnviroIssues is working on a draft Marketing Plan for the grant. The team will meet again in late March to discuss progress and review the draft plan.
- **Forage Fish Update:** Elisa reported that she, Craig Wollam, Cathy Stanley, Bob Hillmann, and Tom Doerge completed the Forage Fish Survey on February 21. Samples were taken from the 14 nearshore restoration sites and were sent to the consultant for

processing. This survey marks the end of the forage fish sampling season. Elisa shared the results from August 2018 – February 2019. Elisa reported that she is working with Dan Penttila who will review the work done this season, and give an analysis and guidance for how to proceed in future sampling.

- **Crabber Outreach:** Bob said that he, Elisa, Kathleen, Paul, and Craig met on February 27th for a MRC Crabber Subcommittee Meeting. The goal of the meeting was to discuss the crabber education and outreach plan for 2019. This year, the MRC did not allocate funds to work with WSU Extension Beach Watchers for outreach. Therefore, the MRC has decided to scale down their effort to focus on the Everett Boat Launch and Edmonds Fishing Pier for 2019, removing the Kayak Point location. The MRC is reaching out to Don Velasquez from WDFW to obtain educational packets and crab gauges.
- **Mussel Watch:** Mike reported that he is working with Jennifer Lanksbury to schedule for a presentation at an MRC meeting in either June or July.
- **Oil Spill:** Susan reported on Saturday March 23rd there will be a one-day interactive training for volunteer participants to understand how to recognize, react, and protect themselves from the hazards associated with an oil spill. The class will cover hazardous situation recognition, personal protective equipment, decontamination procedures, and an overview of how oil spill response operations are conducted. The class also examines hazards associated with working around oiled wildlife. The class is put on by the Washington Department of Ecology and is free for participants. Upon completion, participants will receive an 8-hr Hazardous Waste Operations and Emergency Response (HAZWOPER) certificate. This class also satisfies the annual HAZWOPER renewal requirements. Susan reported that she cannot attend this year, but encouraged anyone who is interested to attend.
- **Kelp Monitoring:** Tom reported that on February 28, he and Franchesca Perez attended the third of four Kelp Conservation and Restoration Workshops, this one at Padilla Bay Reserve. He reported that there is very high interest and engagement in this topic as evidenced by the attendance of 45 leaders in kelp science, management and citizen involvement. The goal of the workshop was to prioritize data gaps in our knowledge of the following: kelp distribution, priority study-area identification, human impacts, environmental stressors and restoration. The top five rated data gaps identified were: water quality and nutrient monitoring tied to land practices; development of protocols to better assess kelp distribution, including remote methods; better understanding of kelp habitat related to the food web; expanded kelp area monitoring efforts; and ecology of understory species (in addition to bull kelp). The fourth kelp workshop will seek to link these priorities to attainable management strategies.
- Bob reported that on March 27, the WDFW Puget Sound Recreational Fisheries Discussion will be from 6 p.m. to 8 p.m. at the WDFW Region 4 Headquarters (16018 Mill Creek Blvd., Mill Creek). The event will be a public discussion of pre-season forecasts and possible salmon fisheries.

- Susan reported that a Northwest Straits Foundation Fundraiser is being held on April 5th at Jerry Master's House. Several MRC members shared that they are planning on attending.
- Kathleen mentioned that she will be attending the workshop "Addressing Shoreline Armoring in Puget Sound: Weaving together the past and future of design, science, regulations, education, and outreach" on April 23 in Seattle. She invited any MRC members to attend, and please contact her to register.
- The MRC will table at the UW Bothell Earth Day event April 24th 11:00-2:30 p.m. Tom, Mike, and Debbie will represent the MRC at the table.
- Elisa invited MRC Members to attend a tour of the Alderwood Wastewater Treatment Plant at Picnic Point on April 16th at 1pm. The tour is voluntary and an opportunity to learn about the wastewater treatment plant processes.

The meeting adjourned at 8:30 PM.

Snohomish County Marine Resources Advisory Committee Meeting Meeting Summary

April 17, 2019 6:30-8:30PM
3000 Rockefeller Ave, Snohomish County Campus, Everett WA 98201
Admin East Building, 6th Floor

<p>MRC Members Present Sarah Brown Bob Hillmann Tom Doerge Laura Gurley Susan Tarpley Craig Wollam Paul Clampitt Traci Sanderson Cathy Stanley</p> <p>Absent Deborah Hopkins Franchesca Perez Mike Ehlebracht</p>	<p>Staff, Presenters, and Others Kathleen Pozarycki, MRC Lead Staff Elisa Dawson, MRC Staff</p> <p>David Bain, Citizen Kari Quaas, Snohomish Conservation District</p>
<p>Summary of Decisions</p> <p>The MRC approved the March 20th MRC Meeting Summary.</p>	
<p>Upcoming Events</p> <ul style="list-style-type: none"> ● Tour of the Alderwood Wastewater Treatment Plant at Picnic Point on April 19th at 1pm. ● Workshop “Addressing Shoreline Armoring in Puget Sound: Weaving together the past and future of design, science, regulations, education, and outreach” on April 23rd in Seattle. ● Snohomish County Earth Day tabling by the MRC- April 23rd 11:30am-1:30pm. ● UW Bothell Earth Day tabling by the MRC – April 24th. ● MRC Crabber Education Subcommittee Meeting May 8th at 11am at the Snohomish County offices. ● MRC Kelp Subcommittee Meeting on May 9th at 9am at the Snohomish County offices. 	

Welcome and Introductions

Chair Sarah Brown opened the Marine Resources Committee (MRC) meeting with a quorum at 6:30pm.

Sarah introduced herself and called for self-introduction of meeting participants.

Approval of MRC Meeting Summary

Laura Gurley made a motion to approve the March 20th, 2019 MRC Meeting Summary. Bob Hillmann seconded the motion. All were in favor and the motion passed.

MRC MyCoast Marketing Plan Update

Sarah reported that a final draft of the MyCoast Marketing and Communications Plan developed by the consultant, EnviroIssues, was submitted on April 11, 2019 to the Northwest Straits Commission. The report describes that the marketing campaign will focus on engaging priority audiences using digital tactics, traditional media ad buys, and physical collateral, in addition to leveraging project partner networks through a partner toolkit. The campaign will target residents and visitors of Snohomish County, however it is intended to be transferable and scalable to other coastal counties, MRCs, and conservation partners across Washington State.

The primary goals of the marketing campaign are to:

- Create awareness about the MyCoast smartphone app among Snohomish County residents
- Bring understanding to county citizens about their role in marine conservation, particularly those that are not otherwise engaged in marine stewardship
- Engage those familiar with the coastal environment to report marine conditions
- Increase app installation and use/user retention during the period of performance with at least 100 new users in Snohomish County

Given their cost effectiveness and the ease of directing app downloads, digital ads (social media posts and in-app ads) will be a primary focus in the strategy, with traditional media ads (online and print) and physical collateral (outreach rack cards and site signs) used as complementary tactics to reach beach goers and water users who may not be as digitally engaged. Ad runs will occur between Memorial Day (May 25, 2019) and Labor Day (September 2, 2019) to take advantage of seasonal increases in coastal recreation. Strategic ad placements will be made based on knowledge of local events; for example, a pulse in late June/early July will take advantage of the release of schools, the July 4 holiday, and recreational crabbing opening day. Several MRC members asked about which apps the digital ads will be placed in. The subcommittee agreed to share the list of the different apps which the team plans to buy digital ads for with the MRC. Kathleen will email out this list.

For their next steps, the MRC grant subcommittee will meet with the consultant to go over the proposed graphics for the marketing plan. Sarah reported that all the materials created will be made available in a “Partner Toolkit” which can be shared with the other MyCoast partner agencies. The subcommittee plans to share the toolkit as well as lessons learned with the partner agencies in the fall, after the summer outreach and campaign is complete.

MRC Snohomish Estuary Piling Project

Kathleen Pozarycki reported that she, Elisa Dawson, Sarah Brown, Bob Hillmann, and Paul Clampitt met with Northwest Straits Commission Staff and Snohomish County SWM Management on April 10th to discuss the MRC Grant for 2019-2020. For the 2019-2020 MRC Grant, the MRC has agreed to build off of the 2018 Near Term Action (NTA) proposal “Snohomish River Estuary Creosote Piling Removal Planning, Prioritization, and Removal,” which the MRC wrote for the 2018 NTA round.

Based on the conversation at the last MRC meeting, as well as the meeting on April 10th, Kathleen has requested Snohomish County Surface Water Management GIS staff help to use existing data to map the creosote pilings and property boundaries. The goal of this exercise is to identify the number of pilings on county, city, state, or Port of Everett land. Once this information is available, the MRC will make a determination about the geographic scope of the project. The goal of the grant will be to focus specifically on the prioritization of pilings on public land for future removal.

Additionally, Kathleen reported that she and Elisa Dawson met with Chris Robertson from Washington Department of Natural Resources on March 26th. The team went out on a boat to investigate if pilings in the Snohomish Estuary near the Mid-Spencer Restoration Project were creosote. Chris taught Elisa and Kathleen how to identify if pilings are creosote or not. Laura asked to see if Chris may be able to provide a few bullet points on what to look for when identifying creosote. Kathleen responded that she would look into that. Kathleen reported that she also spoke with Chris about the MRC grant idea, and Chris was supportive of the work and said that a prioritization project would be helpful for the removal of pilings.

Northwest Straits Foundation Orca Talk Grant

Kathleen reported that the Northwest Straits Foundation is the recipient of grant funding through the National Fish and Wildlife Foundation to implement actions to increase the availability of prey species for Southern Resident Killer Whales (SRKW) in the Northwest Straits region. This funding is now available for MRCs to apply for to conduct community outreach and education events in support of Southern Resident Killer Whale recovery. Kathleen said she has spoken to Lisa Kaufman, from the Northwest Straits Foundation, who has offered to assist MRCs in creating a project. One option for the MRC to consider is a sort of traveling road show that Friends of the San Juans is willing to bring to MRC counties. The group has been doing presentations in San Juan County, and would be willing to come to Snohomish County and partner with the MRC on this project. The event would be 1.5-2 hours, and would provide a well-rounded presentation covering biology, prey needs and limiting factors, impacts from pollution (vessel traffic, exhaust fumes, oil spills), Task Force info, current legislation, and more. Additionally, the presenters include actions that citizens could take to help.

In order to take part in this project, the MRC would need a MRC member to commit to leading this project. Kathleen reported that the leader would work with Lisa and the Friends of the San Juans. Additionally, the MRC lead would help find a venue, and coordinate a date and other logistics for the event. Kathleen mentioned that Lisa had hoped the presentations would occur in June or July. However, the grant runs through late October, so there may be some potential to wait until the fall. MRC members shared several concerns about hosting the event in June or July. After a discussion, it was decided that the MRC does not have the capacity to host a workshop in June or July. The MRC members requested that Kathleen speak with Lisa about hosting a workshop in the fall. Kathleen will follow up on this and report back to the MRC. The MRC decided to wait until they have more information to designate a lead for this project.

Northwest Straits Grants

Kathleen discussed several other grant opportunities which are available through the Northwest Straits Foundation at this time. One grant is the yearly MRC Opportunity Fund. This grant is offered through the Northwest Strait Foundation in order to provide opportunity capital to MRCs through a competitive grant-making process, based on available funds raised through private contributions. In the past, the MRC has applied for funds for costs associated with their forage

fish citizen science work. The MRC agreed to apply for forage fish funding again this year. Elisa agreed to draft the application using the previous year as a guide. She will send out a draft to the MRC and ask for comments before the end of the month.

Kathleen reported that there is a second opportunity available through the Northwest Straits Foundation. For this grant, a total of \$30K in funding from Boeing is currently available for stormwater infrastructure projects in Snohomish, Skagit and Island County MRCs. The goal of this grant is to reduce the quantity of contaminated stormwater runoff before it reaches marine waters, by increasing the number of sites, and volume of stormwater treated by green infrastructure installations (e.g. rain gardens, bio-swales, treatment wetlands) in Snohomish, Island and Skagit counties. The project also aims to catalyze systemic changes that will result in widespread use of green infrastructure to reduce polluted stormwater runoff. The MRC discussed putting in an application to evaluate the feasibility of culvert replacement and stream restoration at Pigeon Creek #1. Bob Hillmann and Traci Sanderson offered to lead the creation of this grant. Kathleen will call the Foundation to discuss the logistics of applying for this grant.

Project Updates and Announcements

- **NWSC Update:** Paul reported that the Northwest Straits Commission continues to work on funding issues. The Northwest Straits Commission funding was in the Washington Senate budget, but it is not in the House budget. Northwest Straits Commission staff and board members are working on getting it back into the budget. Additionally, Northwest Straits Commission staff and board members are preparing for Puget Sound Day on the Hill. Representatives will be there to talk about the Initiative and the MRCs.
- **Ocean Literacy:** Susan reported that the Discover the Salish Sea film will be shown at the Imagine Children's Museum. The film will be shown on April 20th for Earth Day. The Museum estimates that 650 people attend this event each year. Susan will volunteer to attend the event. Susan invited others to attend as well. Susan also has four teachers from the Mukilteo School District interested in the videos and curriculum.
- **Forage Fish Update:** Elisa reported that Dan Penttila has completed an analysis and guidance document for future forage fish monitoring and she passed around copies of the document. This guidance will be reviewed by the forage fish subcommittee. The subcommittee plans to meet late May to discuss a plan for the 2019-2020 season.
- **Crabber Outreach:** Elisa Dawson reported that she has reached out to Don Velasquez with Washington Department of Fish and Wildlife to coordinate obtaining education supplies for the 2019 season. Don believes he can supply the MRC their education materials, and Elisa will follow up with Don again in late April. The MRC Crabber Subcommittee will meet again on May 8th to discuss direction for the 2019 crabber season.
- **Mussel Watch:** Kathleen reported that Jennifer Lanksbury has moved to a new position with King County and will no longer be able to present to the MRC this summer. Jennifer sent a letter thanking the MRC for all of their work in the Mussel Watch Program.

- **Oil Spill:** Susan continues to attend Local Emergency Planning meetings to represent the MRC. She had no further updates at this time.
- **Kelp Monitoring:** Elisa Dawson, Tom Doerge, Franchesca Perez, and MRC Alumni Lincoln Loehr attended the Kelp Workshop in Port Townsend on April 18. This workshop discussed direction and priorities for the upcoming kelp monitoring season. The Kelp subcommittee will meet in May to discuss a monitoring plan for summer 2019.
- **MRC Annual Report to Council:** Kathleen reported that The MRC had their annual report to Snohomish County Council Public Works Committee on Tuesday, March 16th. Chair Sarah Brown and staff Kathleen Pozarycki gave the presentation. Staff Elisa Dawson and MRC members Tom Doerge, Mike Ehlebracht and Bob Hillmann were present. County Council members were engaged in the presentation, and asked question on MRC projects. The council expressed deep gratitude for the volunteer time of MRC Members and expressed gratitude for the regular email updates on projects and events. Watch the presentation online here:
http://snohomish.granicus.com/MediaPlayer.php?view_id=2&clip_id=6760
- Elisa reported that Lisa Kaufmann is looking for feedback on the SHARP draft grant application. Elisa handed out copies of the draft grant application to MRC members. Elisa encouraged MRC members to send any feedback they have to Lisa directly, and to cc herself and Kathleen.
- Kathleen mentioned that she will be attending the workshop “Addressing Shoreline Armoring in Puget Sound: Weaving together the past and future of design, science, regulations, education, and outreach” on April 23 in Seattle. She invited any MRC members to attend, and please contact her to register.
- The MRC will table at the UW Bothell Earth Day event April 24th 11:00-2:30 p.m. Tom, Mike, and Debbie will represent the MRC at the table.
- Elisa invited MRC Members to attend a tour of the Alderwood Wastewater Treatment Plant at Picnic Point on April 19th at 1pm. The tour is voluntary and an opportunity to learn about the wastewater treatment plant processes.
- Snohomish Conservation District’s Better Ground Showcase is on April 25th at the Brightwater Center at 6PM. The Better Ground Showcase is an event dedicated to celebrating local individuals, organizations, and businesses who are making a positive impact for the environment on the ground.

The meeting adjourned at 8:30 PM.

Snohomish County Marine Resources Advisory Committee Meeting Meeting Summary

May 15, 2019 6:30-8:30PM

**3000 Rockefeller Ave, Snohomish County Campus, Everett WA 98201
Admin East Building, 6th Floor**

<p>MRC Members Present Sarah Brown Tom Doerge Laura Gurley Craig Wollam Paul Clampitt Traci Sanderson Deborah Hopkins Franchesca Perez Mike Ehlebracht</p> <p>Absent Susan Tarpley Cathy Stanley Bob Hillmann</p>	<p>Staff, Presenters, and Others Kathleen Pozarycki, MRC Lead Staff Elisa Dawson, MRC Staff</p> <p>Kari Quaas, Snohomish Conservation District Mike Sadler, Citizen David Bain, Citizen</p>
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Summary of Decisions

The MRC approved the April 17th MRC Meeting Summary.

The MRC approved the Northwest Straits Opportunity Fund forage fish grant for submittal

Upcoming Events

- UW Estuary Salmon Recovery Program (ESRP) Monitoring at Snohomish County Beach Locations will be on June 13, 14, and 18-20th.
- Crabber Education training hosted by WSU Snohomish County on Saturday June 22nd.
- The next MRC Meeting is June 19th at 6:30PM at the Snohomish County Offices. 3000 Rockefeller Ave. Everett WA 98201. Admin East building in room 6A02.
- Forage Fish spawning training with the Northwest Straits and WDFW on June 24th at Padilla Bay. Contact Elisa for registration.
- Northwest Straits Commission meeting at the Snohomish County campus, June 28th.

Welcome and Introductions

Chair Sarah Brown opened the Marine Resources Committee (MRC) meeting at 6:30PM. Due to issues with event parking, several MRC members were running late and the official opening of the meeting was delayed until after the first presentation by Cindy Dittbrenner.

Sarah introduced herself and called for self-introduction of meeting participants.

Snohomish Conservation District Groundwater Report about Sea Level Rise

Kathleen Pozarycki introduced Cindy Dittbrenner, the Natural Resource Manager for the Snohomish Conservation District. Cindy has been working on an Agriculture Resiliency Plan for

farmers within Snohomish County. The goal of this plan is to help farmers in Snohomish County plan for future environmental changes and risk. The plan aims to help build a resilient agricultural community into the future through a combination of information gathering and sharing, creation of online planning tools, project scoping and design, project implementation, and farmland protection.

Cindy discussed that the major impacts to agriculture viability in Snohomish County are flooding, saltwater intrusion in groundwater, and crop impacts. The plan looks at all three of these projected changes. For flood modeling, the team working on this project did inundation modeling for the Stillaguamish and Snohomish Rivers including major tributaries. The projections included the flood height for the 2 and 10 year floods through the years 2040 and 2080. Cindy shared the maps which were just completed with the MRC. The maps show a significant increase in flooding in the estuaries in the agricultural areas.

Increased flooding and rising sea levels are also impacting agriculture by creating a phenomenon referred to as the “coastal squeeze” where farms near the river mouth are at risk of increasing drainage challenges, saltwater intrusion, and pressure on sea dikes. The coastal squeeze also limits the ability of nearshore and estuary habitat to adjust to rising sea levels. Cindy discussed how the plan used groundwater modeling conducted by the US Geological Survey to show how this “squeeze” is projected to impact groundwater levels and saltwater intrusion. The maps created through the plan predict groundwater levels on estuary farmland out to the years 2040 and 2080. Data from USGS was combined with information from monitoring wells to create the predictions. The predictions show that increased saltwater intrusion will impact more of the watershed for a longer period of time, reducing the growing season for farmers in the estuary. Cindy explained that this information can help farmers make changes in drainage management or location of farming moving forward.

The impacts of flooding and saltwater intrusion are important to farmers. Cindy explained that farmers have been very involved in this process, and they are still making some tweaks to their mapping tools. Once complete, these tools will be available online for anyone to reference. The mapping tool will also show locations where current growing conditions are similar to future growing conditions in the area, allowing farmers and resource managers to see viable areas for farming to consider moving to. Ultimately, the plan enables the agriculture community to have the opportunity to work together to incorporate the results from the Impact Assessment into prioritization of farmland, on the ground projects, and updated management techniques that increase agriculture’s resilience and viability in Snohomish County.

Kathleen asked Cindy to explain how this work fits into what the Snohomish County Sustainable Lands Strategy (SLS) group has been doing. Cindy explained that the SLS group has mainly been an advisory committee up to this point. However, the SLS group recently created an implementation team, which may be able to partner on the implementation of the agriculture Resiliency Plan. Snohomish Conservation District has been doing outreach to farmers on the results of their plan so far. As the plan is finalized, they hope to do more outreach and are interested in partnering with the SLS group and others to do outreach and implementation.

Approval of MRC Meeting Summary

Sarah Brown called the meeting to order with a quorum at 7:00PM.

Paul Clampitt made a motion to approve the April 17th, 2019 MRC Meeting Summary. Laura Gurley seconded the motion. All were in favor and the motion passed.

MRC Snohomish Estuary Piling Project

Kathleen Pozarycki reported that she and Elisa Dawson have been working on the draft outline for the MRC 2019-2020 grant which will focus on derelict pilings in the Snohomish Estuary. Kathleen reported that she is working with SWM staff to identify pilings using a GIS desk analysis. This analysis will help give the MRC a better idea of how many pilings there are so that they can adjust their scope of work accordingly. Kathleen reported that an MRC Lead is needed for this project. The MRC must determine a Lead and team to work on this project, and decide who will present the project at the Northwest Straits Commission meeting on June 28th at the Snohomish County Campus. MRC Members Laura Gurley, Paul Clampitt, and Traci Sanderson volunteered to be on the team. Kathleen will follow up with the team members to find a lead and a member to present the project on June 28th.

Elisa passed around copies on the matrix outline for the grant. Elisa asked the MRC for feedback on the major goals, objectives, and tasks that have been drafted so far. The first goal of the grant is to identify function limiting pilings in the Snohomish estuary. The MRC members discussed how function-limiting should be defined. Kathleen said that they pilings will be assessed to determine if they are creosote and their proximity to other restoration projects. Laura Gurley suggested that the MRC look into if the pilings are active or non-active, as some lumber companies still use the pilings for log-rafts. Other suggestions for prioritization included determining if the pilings are navigational hazards, as well as their risk of failure. Elisa explained that after a GIS desk analysis is done, the grant will call for a ground-truth of the information. The team will create a prioritization framework prior to field work. After there is a shared understanding of number of pilings, their status, and their location, the next goal is to prioritize pilings for removal. The MRC will work to create this prioritization framework during the 2019-2020 grant. Kathleen and Elisa will send out the draft MRC 2019-2020 grant to the grant team for removal by May 24th.

MRC MyCoast Marketing Plan Update

Sarah reported that a final draft of the MyCoast Marketing and Communications Plan graphics have been developed by the consultant. The campaign will start advertising Memorial Day weekend. Sarah explained that to maximize the return on investment with the advertising budget available, the team will test effectiveness of images and messaging on digital ads in the first run of the marketing schedule using a method called A/B testing. A/B testing compares performance and click-through rate between different creative concepts with different images and messaging in digital ads. Since A/B testing can only be implemented via digital ads, digital tactics will be rolled out in this first phase of the marketing schedule. This will be followed by traditional media, physical, and partner-based tactics. After the ads are run, the consultant will analyze the A/B testing for effectiveness. After evaluation, ad targeting will be adjusted to better suit the campaign's goals. Sarah mentioned that she and the team are looking forward to seeing the results of the A/B testing.

Kathleen reported that she is working on attaining approval for marketing signs to be placed at beaches within the different jurisdictions where the MRC has "Capturing Beach Change" locations. Edmonds and Mukilteo will have posters in kiosks or sandwich boards placed at their beaches, while Everett and Snohomish County sites will have lawn signs made and placed at

those locations. In addition to these signs, Kathleen is working with the consultant to coordinate rack cards for the campaign to be placed on the Mukilteo and Edmonds Ferry routes.

MRC Opportunity Fund for Forage Fish Project Approval and Boeing Grant

Elisa shared copies of the MRC Opportunity Fund forage fish grant application for 2019. The purpose of the grant application is to pay for consultant analysis of forage fish samples taken from the MRC nearshore restoration sites. Since 2011, the MRC has partnered with Washington Department of Fish and Wildlife (WDFW) who has trained MRC members and staff to use the WDFW protocol to take forage fish samples. The grant application is for 6 months of forage fish samples at a minimum of 12 different locations. Elisa explained that one change in this application from previous years was that the MRC does not intend to take samples this August due to feedback from our consultant, Dan Pentilla, and Snohomish County staff. Additionally, the MRC does not intend to take samples at Meadowdale or Picnic Point for the next season. Other than these changes, the scope of work is similar to previous years. Elisa asked for questions from the MRC. There were no questions.

Debbie made a motion to approve the Opportunity Fund application and have it submitted. Traci seconded the motion. All were in favor and the motion passed. It was noted that Bob Hillmann gave an absentee vote in favor of the approval and grant submittal.

Kathleen reminded the MRC that an Opportunity Fund Grant for the Boeing Stormwater Grant was submitted earlier in May. Kathleen reported that Bob and Traci wrote the grant. The grant is for a consultant, directed by the City of Everett (the City), to conduct site reconnaissance during high flows, compile existing data, and identify opportunities and constraints for restoration of Pigeon Creek No. 2 to improve stormwater management and wetland ecological function. This study will support a better understanding of the dynamics of the flows from Pigeon Creek No. 2 to the nearshore environment. As part of the project, two interpretive signs will also be placed along the trail that leads through the wetland to the beach. The signs will be developed and installed by the MRC and the City and will not require input from the consultant. Kathleen expects to hear back from the Northwest Straits Foundation on this grant application in early June.

Project Updates and Announcements

- **NWSC Update:** Franny reported that she attended the retreat last month with the Northwest Straits Commission. Due to budget changes, the Commission has decided to go to a two-year grant contract. Franny also followed up on the derelict fishing gear questions the MRC had. She said that the Northwest Straits Foundation said that they do derelict gear and crab pot removal on a first come-first served basis, and currently the attention is not within Snohomish County. Franny said she will continue to follow up with the Northwest Straits Foundation on future opportunities to address derelict fishing gear.
- **Ocean Literacy:** Kathleen reported that Susan was at the Imagine Children's Museum on April 20th for Earth Day. Susan had estimated that she spoke with 50 people at the event. Traci is also working with several teachers in the Mukilteo School District and will be passing along the film and curriculum. Franny also requested several films to pass out to her contacts in the Stanwood School District.

- **Forage Fish Update:** Elisa continues to take the monthly forage fish index sample at Howarth Park.
- **Crabber Outreach:** Paul reported the date has not officially been set for crabber opening day, but the proposed date is July 4th. The Snohomish County Beach Watchers are working with the MRC to coordinate crabber education work. There will be a crabber education training for volunteer of June 22nd. For opening day and weekend, Beach Watchers will be leading outreach work at Kayak Point, and the MRC will lead outreach work at the Edmonds Pier and the Everett 10th Street boat Launch.
- **Mussel Watch:** Franny announced that the Stillaguamish Tribe will not be able to fund the mussel watch work at Kayak Point this year. If the MRC could fund the analysis, the tribe would be able to deploy the mussel pot. Kathleen will follow up on this request.
- **Oil Spill:** Franny mentioned that there is a Geographic Response Plan update open for comment which includes areas within Snohomish County. Franchesca will follow up with the MRC on this.
- **Kelp Monitoring:** Tom reported that he, Elisa Dawson, and Traci Sanderson are working on finalizing the kelp monitoring plan for 2019. The team plans to survey Meadowdale, Mukilteo, and Edmonds in July and August. The team is working with Cathy to monitor Hat Island by motor boat once in August.
- Kathleen reported that there is currently an open comment period for the Snohomish County Shoreline Management Plan. Paul reported that he read through the comments and noted several important issues brought up by the Tulalip Tribes on “no net loss.” Traci reported that because this is a periodic review, Snohomish County Planning and Development Services will be focusing on only updating the plan in order to align with State of Washington standards. Because of this limited scope of work, the MRC decided not to comment during the open comment period.
- The MRC discussed doing an orca outreach event with the Northwest Straits Foundation in the fall. Kari said that the Conservation District has finalized their Orca day for October 19th. The MRC will consider having the event around the same time.
- Elisa announced that the Northwest Straits Foundation has set the 2019 MRC conference to be in Everett. The conference will be November 15-16.

The meeting adjourned at 8:30 PM.

Snohomish County Marine Resources Advisory Committee Meeting Meeting Summary

June 19, 2019 6:30-8:30PM

**3000 Rockefeller Ave, Snohomish County Campus, Everett WA 98201
Admin East Building, 6th Floor**

<p>MRC Members Present Sarah Brown Tom Doerge Laura Gurley Craig Wollam Paul Clampitt Traci Sanderson Deborah Hopkins Franchesca Perez Mike Ehlebracht Susan Tarpley Cathy Stanley Bob Hillmann</p> <p>Absent</p>	<p>Staff, Presenters, and Others Kathleen Pozarycki, MRC Lead Staff Elisa Dawson, MRC Staff</p> <p>Tom Socal, Resident Megan Ehlebracht, Snohomish County Intern Cameron Caldwell, Senator Cantwell’s office Gregg Farris, Snohomish County Surface Water Management Director Kyle Cook, Adopt-A-Stream Nicole Jordon, Northwest Straits Commission Kari Quass, Snohomish Conservation District Gretchen Glaub, Snohomish County Surface Water Management</p>
<p>Summary of Decisions</p> <p>The MRC approved the May 15th MRC Meeting Summary.</p>	
<p>Upcoming Events</p> <ul style="list-style-type: none"> ● The next MRC Meeting is July 17th at 6:30PM at the Snohomish County Offices. 3000 Rockefeller Ave. Everett WA 98201. Admin East building in room 6A02. ● Crabber outreach at the 10th Street Boat Launch July 4th and 6th. ● July 11th meeting with the City of Mukilteo. ● MRC Summer Picnic and Potluck at the Rose Hill Community Center August 21st. 	

Welcome and Introductions

Chair Sarah Brown opened the Marine Resources Committee (MRC) meeting with a quorum at 6:30PM. Sarah Brown called the meeting to order with a quorum at 6:30PM.

Sarah introduced herself and called for self-introduction of meeting participants.

Approval of MRC Meeting Summary

Franchesca Perez made a motion to approve the May 15th, 2019 MRC Meeting Summary. Laura Gurley seconded the motion. All were in favor and the motion passed.

Meadowdale Beach Restoration Project Update

Sarah Brown introduced Logan Daniels, Project Manager for the Meadowdale Beach and Estuary Restoration Project. Logan thanked the MRC for having her present again and for all of their support. She reminded the MRC about the project goal, which is to remove 128 linear feet of railroad embankment (shoreline armoring) along with the 6-foot wide culvert and installing a 5-span railroad bridge with a 90-foot opening to address ADA accessibility, beach access, fish passage, flooding, sediment delivery and maintenance issues associated with the undersized culvert. This project will restore a historic (pre-railroad) 1.3-acre estuary that will provide essential rearing habitat for ESA-listed Chinook (threatened), Chum, and Coho salmon as well as Cutthroat trout; and restore nearshore processes key to Puget Sound recovery. Additional habitat and stream enhancement will occur upstream of the estuary and a second footbridge will be installed to provide a viewing platform for fish migration. Recreation components include a foot-wash, and picnic and bench viewpoints of the beach, estuary and Lund's Gulch Creek. The existing portable restroom enclosure will be relocated out of the floodway and the ADA-parking will be brought up to current standards. The project is currently at 90% plan development.

Permitting for this project was a large task. The project team got an early start on permitting, and all permits have been submitted. Logan reported that she has received US Army Corps of Engineers permit, the Flood Hazard Permit, and the SEPA Determination of Non-Significance was issued (comment period ended 6/12/19). The current permits that have been submitted but are pending are WDFW, Land Disturbing Activity, Shorelines, DOE Water Quality, and building permits. One aspect of permitting that helped streamline this process was that the City of Edmonds ceded permitting to Snohomish County while retaining rights to comment. Logan said that all permits are anticipated to be issued by summer/early fall 2019. Additionally, Logan reported that Snohomish County held a neighborhood meeting in February to discuss traffic, noise and other impacts associated with project's use of 75th Pl W. She said that the meeting ended well, with residents in support of the project.

Logan reported that the project is currently seeking additional funding to go to construction. The total project construction cost still at \$16M including 9.1% tax, 20% contingency, BNSF Mitigation Payment, and A&E services for construction. The project has received a portion of the funding that is needed through grants. This includes \$500K from ALEA; \$800K from SRFB; \$1M ESRP; \$3.5M Federal Rail Grant. Logan thanked the MRC for their help arranging for Senator Cantwell's staff visit and Congressman Larsen's visit to Meadowdale which she said was a critical factor in receiving the \$3.5M Federal Rail Grant.

Currently, the project is scheduled to complete permitting in 2019, and complete the bid package and advertise for bid in the fall 2019. This would allow for construction from 2020-2021 and project completion in the spring of 2021. However, this schedule is subject to change based on budget process, BNSF approval, and permitting. A major obstacle is additional funding needs. Logan reported that their grant options are fairly tapped out. Currently, she is looking for other alternatives to help fund the project. One possibility is that Snohomish County could approve a larger appropriation in the CIP than \$1.9M, but she said this is not likely. Logan reported that she and her team have also looked into a couple of private-sector funds last year but they did not prove to be good options for this project. However, private donations are still a potential avenue that Snohomish County Parks is planning to press this summer. Another option is Council-matic bonds, which in the past has been the avenue Parks understood to be the best path forward. However, Logan reported that she has run into internal county obstacles regarding ownership of

the railroad bridge. Logan thanked the MRC for their time and opened up the presentation to questions.

Paul Clampitt noted that Cameron Caldwell, Senator Cantwell's staff, was at the meeting and thanked Cameron for the Senator's work helping this project. Cameron replied that this project has been a priority for Senator Cantwell due to the positive impact it will have on salmon and the Puget Sound. Laura congratulated Logan on getting her Army Corps of Engineers permit first, and thanked Logan for all of her hard work on the many permits needed for this project. Several MRC member recommended non-profits to reach out to for this project, including the Coastal Conservation Association. Kathleen said that they should also talk to the Northwest Straits Foundation. The MRC thanked Logan for all of her work, and affirmed that they will continue to help this project move forward.

Edmonds Waterfront Connector

Debbie reported that she attended the Edmonds City Council Meeting on Tuesday, June 18th on the Edmonds Waterfront Connector Project. She reported that the City Hall was full, and there were many people outside as well. She estimated that there were about 400 people who gathered prior to be meeting to rally against the project. The rally was led by Edmonds resident Cam Tripp, who started a petition drive opposing the connector that gathered several thousand signatures. Comments related to the project focused on two main areas: whether the project would negatively impact the marine sanctuary designation at Brackett's Landing Beach and why the city wasn't prioritizing increased safety in other areas of the city that had a much larger impact on citizens' lives.

Debbie said that during the meeting City Councilmember Mike Nelson made a motion to prohibit the mayor from signing a contract with Parametrix for the project, soliciting cheers from the audience. The motion was seconded by Councilmember Diane Buckshnis and then several additional minutes of discussion followed. Councilmember Tom Mesaros suggested that it would be important to first conduct an environmental study of the project before making a final decision to end it. Councilmember Kristiana Johnson asked Williams the minimum amount of design work that could be done to determine environmental impacts, and how much that would cost. Williams replied that 30 percent design would be sufficient, at a cost of \$1.55 million. Councilmember Dave Teitzel then moved to amend Nelson's motion to do 30 percent design in order to assess environmental issues, and that was seconded by Johnson. However, the amendment did not pass, and instead the council voted 4-3 to end the controversial overpass proposed to provide emergency access to the waterfront during train blockages. A newspaper article was published on the meeting: <https://myedmondsnews.com/2019/06/council-votes-to-kill-controversial-waterfront-connector-project/>.

MRC members discussed how they had heard about this project in the past, but did not realize it was already in a design phase. MRC Members Susan and Tom mentioned that previously there had been talks of different locations for the connector, and a smaller structure. Debbie said that a major concern of this project was that there was no public comment period that people were aware of before the final design was created. Debbie said that she believes the project is now cancelled, but will follow up at the next meeting with any further updates.

MyCoast Marketing Materials Highlight

Sarah reported that the first MyCoast 14-day ad run ended on June 6th. The 14-day ad run was done using a method called A/B testing. A/B testing compares performance and click-through rate between different creative concepts with different images and messaging in digital ads. Since A/B testing can only be implemented via digital ads, digital tactics will be rolled out in this first phase of the marketing schedule. This will be followed by traditional media, physical, and partner-based tactics. Now that the A/B testing is done, the consultant has analyzed the data. A summary of the results are below:

Ad Name (and amount spent to date)	Key Performance Indicator (KPI)	KPI #	Initial assessment based on industry standards
Instagram – Before/After \$81	Impressions	6,694	Above Average
	Click-through-rate	0.49%	Slightly Above Average
	Clicks/Taps	33	-
Instagram – Social Share \$190	Impressions	21,877	Above Average
	Click-through-rate	0.15%	Low
	Clicks/Taps	33	-
In-app ads – Before/After \$43	Impressions	5,869	Fair (though our targeting is very precise to specific users and we may be fully saturating a small market, which is a good thing)
	Click-through-rate	0.66%	Amazing! (Almost double Q1 2019 average)
	Clicks/Taps	39	-
In-app ads – Social Share \$35	Impressions	7,303	Fair (though our targeting is very precise to specific users and we may be fully saturating a small market, which is a good thing)
	Click-through-rate	0.53%	Awesome! (150% of the Q1 2019 average)
	Clicks/Taps	39	-

For both in-app and Instagram, the Before/After concept (i.e., Kayak Point at different tidal points) was the clear winner of our A/B testing. The ‘Social Share’ ad on Instagram got more ‘likes’ but didn’t have a competitive click-through-rate. The consultant looks at the real, ‘under the hood’ performance measures (click-through rate being the primary one) and not what’s called ‘vanity KPIs’ such as likes, comments, etc. The Instagram ads saw the following demographic results:

- The Before/After ad was most popular among 45-64 women, 25-34 men, and 45-54 men.
- The Social Share ad was most popular among women of all ages 18+ and men 25-34.

Additionally, the most productive in-app placements were Tides Near Me (iOS & Android), Tide Charts (iOS & Android), and Best Weather App (Android). Finally, the Before/After ad had fewer impressions on Instagram, but this was due to a text overlay penalty which will be

mitigated in the next ad run. Altogether, a total of 15 app downloads and 13 reports since our campaign began. Now that we have this data back, the campaign will move forward using the before/after graphics from the A/B testing phase. Kathleen reported next steps will include putting out rack cards at approximately 15 different locations as well as on both the Edmonds/Kingston and Mukilteo/Clinton ferries.

Project Updates and Announcements

- **NWSC Update:** Franny reported that she attended the last NWSC meeting. The NWSC is finalizing their strategic plan and operations plan. Terrell Kullaway, the former Northwest Straits Foundation Philanthropy Director, has left her position. Additionally, Franny reported that Jefferson and Clallam are having 5 interns this summer supported by the Northwest Straits Foundation Opportunity Fund.
- **Ocean Literacy:** Susan said that she has handed out 15 DVDs to local teachers and estimates they reached over 500 students. Traci reported that she handed out videos at her school reaching over 600 elementary school students. The MRC discussed trying to complete a Survey Monkey in the future to get feedback from teachers later this fall.
- **Forage Fish Update:** Elisa continues to take the monthly forage fish index sample at Howarth Park. Jason Morgan is working on curating a Salish Sea Ecosystem Conference session, and has asked Elisa to be a part of the team to present work going on in Snohomish County.
- **Crabber Outreach:** Crabber opening day is officially set for July 4th. The Snohomish County WSU Beach Watchers are working with the MRC to coordinate crabber education work. WSU Beach Watchers will be putting on a crabber education training for volunteers on June 22nd. For opening day and weekend, Beach Watchers will be leading outreach work at Kayak Point, and the MRC will lead outreach work at the Edmonds Pier and the Everett 10th Street boat Launch. Bob and Paul will cover July 4th from 6AM-noon. Laura will cover July 6th and Bob will reach out the WSU Beach Watchers to see if others are able to help on July 6th.
- **Mussel Watch:** Mike reported that he is waiting to hear about mussel watch for 2019-2020. He hopes to hear from State staff and report back to the MRC next month.
- **Oil Spill:** Franny mentioned that there is a Geographic Response Plan being updated for North Puget Sound. It will be coming out for public comment later this year. Susan mentioned there are also new plans being created by the Department of Ecology for oil spill on railroads. Susan is tracking these changes, as well as the BC – US oil spill task force planning process.
- **Kelp Monitoring:** Tom reported that he, Elisa Dawson, and Traci Sanderson have finalized the kelp monitoring plan for 2019. The team plans to survey Meadowdale, Mukilteo, and Edmonds in July and August. The team will be out July 1-3 for the first round of monitoring. The team is working with Cathy to monitor Hat Island by motor boat for one day in August.

- Kathleen reported that she was one of several SWM staff were interviewed by King 5 reporter Alison Morrow about salmon recovery, estuary restoration, and the plight of our resident Orca whales. You can view the video at: <https://www.king5.com/article/news/snohomish-river-salmon-habitat-needs-15-billion/281-8d1a4fd6-be38-4636-a612-5d7f77ee66c9>
- The Northwest Straits Foundation has set the 2019 MRC conference location in Everett. The conference will be November 15-16. Elisa passed out invitations to the conference.
- Kathleen reported there was a request from the Snohomish Local Integrating Organization to answer questions relating to local funding for NTAs in preparation to a funding decision. The Snohomish LIO staff asked if the projects can be scaled to \$100,000, and if the project is ready to go if funding was awarded. The MRC has two NTAs, one for the Snohomish River Estuary Derelict Vessel Removal, and the other for the Snohomish River Estuary Piling removal. Kathleen reported that because more than \$100,000 would be needed for the boat removal, we should not report that the project is scalable. Additionally, because the MRC is seeking alternative funding for a project similar to their Piling NTA, Kathleen recommended that the MRC not seek funding at this time for this project. The MRC agreed with these recommendations, and asked Kathleen to respond to the LIO information request.
- MRC members shared their interest in having the annual summer picnic at the Rose Hill Community Center in Mukilteo. Elisa will call to reserve the space.
- Kari reported that the Snohomish Conservation District Director, Monte Marti, is retiring. There will be a celebration in August that the MRC is welcome to join.
- Franny reported that the Stillaguamish Festival of the River is August 10-11. This is the 30 year anniversary of the celebration.

The meeting adjourned at 8:30 PM.

Snohomish County Marine Resources Advisory Committee Meeting DRAFT Meeting Summary

July 17, 2019 6:30-8:30PM

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Admin East Building, 6th Floor**

<p>MRC Members Present Sarah Brown Tom Doerge Craig Wollam Paul Clampitt Franchesca Perez Mike Ehlebracht Susan Tarpley Bob Hillmann</p> <p>Absent Traci Sanderson Deborah Hopkins Cathy Stanley Laura Gurley</p>	<p>Staff, Presenters, and Others Kathleen Pozarycki, MRC Lead Staff Elisa Dawson, MRC Staff</p> <p>Dana Oster, North West Straits Commission Lincoln Loehr, resident Janet Loehr, resident Kylie Pfohl, resident David Bain, Orca Conservancy Kari Quaas, Snohomish Conservation District</p>
<p>Summary of Decisions</p> <p>The MRC approved the June 19th MRC Meeting Summary.</p> <p>The MRC decided to move forward will planning an Orca Event in October 2019.</p>	
<p>Upcoming Events</p> <ul style="list-style-type: none"> ● MRC Mussel Watch Reconnaissance July 31st ● MRC Kelp Monitoring August 1-3rd ● The August MRC meeting is cancelled and instead the MRC will have their annual summer picnic at the Mukilteo Rose Hill Community Center August 21st 	

Welcome and Introductions

Chair Sarah Brown opened the Marine Resources Committee (MRC) meeting with a quorum at 6:30PM.

Sarah introduced herself and called for self-introduction of meeting participants.

Approval of MRC Meeting Summary

Tom Doerge made a motion to approve the June 19th, 2019 MRC Meeting Summary. Susan Tarpley seconded the motion. All were in favor and the motion passed.

Mussel Watch Presentation and Update

Sarah Brown introduced Mariko Langness, a Marine Ecologist with the Washington State Department of Fish and Wildlife's Puget Sound Ecosystem Monitoring Program - Toxics in Biota team. Mariko thanked the MRC for having her to the meeting to present on the Mussel Watch program. Mariko explained that the Mussel Watch program conducted by the Washington State Department of Fish and Wildlife started in 2012-13. This program uses caged mussels, and is an extension of NOAA's Mussel Watch Program which used native mussels to analyze the status and trends of water contaminants. Mussels are used for this monitoring purpose because they do not readily metabolize some of the organics that vertebrates do, making them a better choice when tracking substances such as chemicals.

Since the program was established in 2012-2013, WDFW has completed caged mussel watch surveys in 2015-2016 and 2017-2018. Currently, the 2019-2020 monitoring season is being planned. This will be the fourth survey completed by the WDFW program in coordination with other partners. Mariko thanked the MRC for their help with the previous surveys, as well as their willingness to help with the 2019-2020 survey. She shared that there were 94 sites throughout the Puget Sound and outer coast for the 2018-2019 monitoring season. Mariko expects that there will be just as many sites, and possibly more, in the 2019-2020 survey. She noted that funding is still being secured and she is still working on defining all the sites. Mariko also noted that WDFW is still working on analyzing the 2018-2019 data, and explained that her presentation today shares the results from the 2012-2013 and 2015-2016 surveys. The report which will include the 2018-2019 data is expected to be completed in March 2020.

Next, Mariko shared the results of the data that has been analyzed so far. First, Mariko shared the data on polychlorinated biphenyls (PCBs). PCBs were once widely deployed as dielectric and coolant fluids in electrical apparatus, carbonless copy paper, and in heat transfer fluids. Manufacturing of PCBs were banned in 1978, due to their environmental toxicity and classification as persistent organic pollutants. However, due to their longevity, PCBs are still widely in use. Data through 2016 showed that PCBs were detected everywhere they were sampled, mostly in low concentrations. Several very high values were found in Seattle-Elliott Bay, Bremerton-Sinclair Inlet, and Gig Harbor. Mariko noted that all five sites within Snohomish County were considered to have lower concentrations. Overall, when compared to nearshore contamination on a national scale, much of the Puget Sound in on the lower end of the scale for PCBs. Polycyclic Aromatic Hydrocarbons (PAHs), were also analyzed. PAHs are a class of chemicals that occur naturally in fossil fuels (oil and coal), creosote, and incomplete combustion of organic matter. Mariko noted that contamination by PAHs is ongoing, as there is little source control of this pollutant to date. Major pathways of PAHs into the Puget Sound include atmospheric deposition (from the air, especially from fires), land-based runoff from roads (i.e. stormwater/surface water runoff), and inputs directly into the Puget Sound itself (like oil leaks and spills from marine vessels). Much like PCBs, most sites were on the lower end of the range of contamination, while the highest PAH concentrations were in the Seattle-Elliott Bay area. Mariko noted that the Seattle Aquarium location had a very high PAH concentration, which may have been connected to creosote removal that was happening in that area at the same time as the survey. Additionally, the WDFW program was able to successfully retrieve a cage from Port Angeles, and it has the highest PAH concentrations. The MRC asked if the high counts in Port Angeles may be connected to creosote. Mariko responded that she did not believe that any creosote work was being done at that site during the survey. All five Snohomish County sites were considered to have low PAH concentrations.

Another aspect of the WDFW program has been investigating Chemicals of Emerging Concern (CECs). CECs include a large group of chemicals that include pharmaceuticals, personal care products, industrial compounds, as well as widely consumed items such as caffeine and other drugs such as opioids. These chemicals are of concern because of their chemical properties and widespread use. Mariko explained that the estimate of more than 80,000 chemicals in current use can make their way to the Puget Sound either through wastewater treatment plants or other disposal methods. Additionally, most of these chemicals are not regulated and the effects on biota are uncertain. WDFW selected 18 sites based on geographic coverage and degree of urbanization from the 2012/13 survey to do a pilot study on CECs. Three of the selected sites were located in Snohomish County. These were Everett Harbor, Mukilteo wastewater treatment plant, and Edmonds Ferry. The pilot study tested for 193 compounds, and 30 CECs were detected. Antibiotics and antidepressants were found at every site. Additionally, chemotherapy drugs were found at about half of the 18 overall sites. Mariko noted that surfactants in Everett were very high. Surfactants are compounds that lower the surface tension between two liquids, between a gas and a liquid, or between a liquid and a solid. Surfactants may act as detergents, wetting agents, emulsifiers, foaming agents, and dispersants. Surfactants and antidepressants were found to have no relationship with impervious surface, but did have a strong positive relationship with waste water treatment plants.

The MRC thanked Mariko for her presentation, and the group discussed the plan for the 2019-2020 season. Mariko said there are 10 sites proposed in Snohomish County for the coming survey. The MRC has volunteered to do reconnaissance at five sites in preparation for the survey. Mike reported that these five sites include Edmonds Marina, Edmonds Marsh, Brackett's Landing in Edmonds, Mukilteo Ferry, and Everett Cemex or Port of Everett. Mariko will get information to the reconnaissance team on the exact location of those sites. The team will report back to Mariko with their information after the reconnaissance day. Mariko thanked the MRC again for their help and guidance with this project. Mariko and the MRC look forward to the 2019-2020 survey.

North Sound Geographic Response Plan (GRP) Update and Status

Susan Tarpley reported that several MRCs, including the Snohomish MRC, have been contacted by the Washington State Department of Ecology for participating in updates to the local Geographic Response Plans (GRPs). Susan explained that there are three GRPs in Snohomish County, the Central GRP, Admiralty Inlet GRP, and the North Sound GRP. The MRC is invited to give comments on all three GRPs. GRPs guide early actions when oil spills happen. GRPs are made up of pre-identified strategies for specific areas of the state at risk from oil spills. The strategies are designed to minimize impacts to sensitive environmental, cultural, and economic resources. The state Legislature directs the Department of Ecology to develop and routinely update these plans. There is currently a formal open comment period through July 31st.

Susan showed the MRC the GRP website on the Department of Ecology's webpage. GRPs include specific local information that she suggested the MRC ground-truth. She noted that there are also typos or mistakes in information that the MRC members would be able to correct with their local knowledge. Additionally, Susan noted that there may be benefit to adding to the "resources at risk" section. Susan explained that the "resources at risk" information is one of the most important aspects of the GRPs, because it assists the Environmental Unit (EU) in identifying resources at risk during a spill response and in developing additional local response strategies beyond basic strategies. Additionally, the "resources at risk" sections provides context to responders, clean-up workers, and others during the initial phase of a spill response in the

GRP area. This is important because briefing responders and incident command staff assigned to an oil spill in our area may be unfamiliar with sensitive resource concerns in the GRP area. Finally, this information can also be used to provide background information for personnel involved in media presentations and public outreach during a spill incident.

Susan suggested that the MRC call a meeting with Department of Ecology GRP staff to discuss the GRPs in Snohomish County. Susan mentioned that she has been in touch with Ecology Staff, who are open to coming to an MRC meeting in the future. In the meantime, Susan suggested the MRC ask Ecology GRP staff for a spreadsheet of the “resources at risk” information. MRC Members agreed that a list would be useful, and Susan said she will ask the Ecology staff for this. Dana from the Northwest Straits Commission mentioned that several MRCs are also working with Ecology GRP staff and said she will follow up with additional information that other MRCs are working with to incorporate into the GRPs and other oil spill planning in partnership with the Department of Ecology.

MyCoast Marketing Materials Highlight

Sarah reported that the A/B testing phase of the marketing campaign has been completed and the preferred marketing materials have been selected and will continue to run throughout the summer. So far, the campaign has had over 145,000 views throughout the marketing period. Ads will continue to run through Labor Day. Rack cards and posters for the marketing campaign were finalized on June 21, 2019 and 4,000 were distributed to nearly 20 organizations in Snohomish County, including Washington State Ferries. Sarah thanked MRC members who helped take materials to distribute throughout the county. The consultant has developed a draft Partner Toolkit, submitted on June 26, to amplify app awareness by leveraging the Snohomish County MRC’s partner network. The draft partner toolkit included digital collateral and draft content for use by partner agencies. MRC members and staff have reviewed the partner toolkit, and are waiting for feedback from the other MyCoast partner agencies. Sarah said that the toolkit should be completed soon and then Kathleen will distribute the resources to the other MRCs and partners.

Susan reported that she gave a public beach walk as part of her Ranger Naturalist position for the City of Edmonds and was able to plug the MyCoast App. She said people were very interested, and several people downloaded MyCoast right away. Several MRC members shared their enthusiasm for how much MyCoast has taken off over the last year.

Discuss Fall Orca Presentation Options and Orca Recovery Day

Kathleen reminded the MRC that they have been considering planning an Orca Event in fall 2019 in partnership with the Northwest Straits Foundation. Kathleen said that the Foundation has funds to support an event, and would like help from the MRC to secure a venue. Kathleen said that she met with Mukilteo Staff along with Elisa Dawson, Sarah Brown, Tom Doerge, and Susan Tarpley on October 11th to discuss partnership opportunities. One opportunity Sarah suggested was to host the Orca Event at the Mukilteo Rose Hill Community Center. Sarah reported that Mukilteo City Staff were very amenable to the idea, and suggested it be on a week day as it is easier to secure the venue. Kathleen said that the official Orca Recovery Day is Saturday, October 19, 2019. Kari Quass suggested the MRC host the event in the week leading up to the event, and mentioned that the Snohomish Conservation District would partner with the MRC and the Northwest Straits Foundation on the event. Several MRC members suggested having the event on the Wednesday prior to the event, October 16th. This would also align the with MRC October monthly meeting date. Kathleen suggested having a short meeting ahead of

the event that evening. MRC members approved this idea. Kathleen will reach out the Mukilteo City Staff to see if the venue is available on October 16th and will follow up with the MRC.

Project Updates and Announcements

- **NWSC Update:** Franny reported that she attended the last NWSC meeting, which was focused on the grant submittals for 2019-2020 from each MRC. Laura gave the presentation on the Snohomish Estuary Piling Project that the MRC submitted for their 2019-2020 grant. Franny noted that Island County MRC is also putting together a similar project, using the MyCoast app to report creosote debris. Kathleen noted that Northwest Straits Commission Director Lucas Hart and Northwest Straits Foundation Director Don Hunger were very impressed by the Snohomish MRC's presentation. Lucas and Don are working on putting together a fall boat tour in the Snohomish Estuary and Nearshore to highlight the work of the collaboration between the MRC and the Foundation and the Commission and also celebrate the 20 year anniversary for the Snohomish MRC. The creosote piling prioritization, the Snohomish County Nearshore Restoration Project, and the Meadowdale Beach Park Restoration Project will be highlighted. Kathleen will follow up with further details later this month.
- **Ocean Literacy:** Susan reported that she pitched the Discover the Salish Sea Film and Curriculum to the City of Edmonds. They city is on board for showing it throughout the city, both at schools and senior citizens. Craig and Susan will work on getting the MyCoast poster in the kiosk.
- **Forage Fish Update:** Elisa reported that forage fish monitoring dates have been scheduled for the 2019-2020 season and will be emailed to the MRC members later this week. She invited all those available to help take samples at Howarth Park. Ideally, at least 3 volunteers are needed to help each month. Elisa said she is working on completing the NWSF Opportunity Fund Grant scope of work for forage fish analysis by a consultant.
- **Crabber Outreach:** Bob Hillmann, Paul Clampitt, and Laura Gurley participated in crabber outreach on July 4th and 6th at the 10th street boat launch. Altogether they spoke with approximately 550 crabbers. They reported that things were calmer this year, and people were very friendly. Susan has been doing outreach on crabber education at the Edmonds pier. WSU Extension conducted crabber education at Kayak Point Boat Launch and Pier on July 4th and 6th as well.
- **Mussel Watch:** Mike reported that he will be doing site reconnaissance on July 31st with Elisa and Kathleen. As mentioned in Mariko's presentation, there are several new sites (brought back from the original NOAA Mussel Watch) as well as continuing with set caged mussel sites. Mike will share his information from the reconnaissance with Mariko to plan for installation of cages this fall.
- **Oil Spill:** Mike reported that he attended webinar on the oil spill contingency plan for railroad rulemaking. This rule requires railroads carrying oil as cargo to plan for oil spills and to have cleanup equipment and trained personnel to respond to spills that may occur. The rulemaking establishes three types of railroads for planning standards and establishes

requirements for citing Spill Management Teams and entities providing wildlife rehabilitation and recovery services. Mike reported that public comments ends on July 22nd, 2019.

- **Kelp Monitoring:** Tom reported that he, Elisa Dawson, and Traci Sanderson completed monitoring at Meadowdale, Mukilteo, and Edmonds on July 1-3. Data from the July surveying has been submitted to the Northwest Straits Commission. The August survey dates are scheduled for August 1-3. Hat Island will be surveyed by motor boat in partnership with the Tulalip Tribes once in August, which is planned for August 12 with back up days set for August 13 or 14.
- Kathleen Pozarycki reported that she, Elisa Dawson, Sarah Brown, Tom Doerge, and Susan Tarpley met with City of Mukilteo Staff on July 11th to discuss opportunities for collaboration. Several opportunities included sharing the Ocean Literacy video and curriculum, crabber outreach materials, and the Orca Event the MRC discussed earlier in the agenda.
- Franny reminded the MRC that the Stillaguamish Festival of the River is August 10-11. This is the 30 year anniversary of the celebration.

The meeting adjourned at 8:29 PM.

Snohomish County Marine Resources Advisory Committee Meeting Meeting Summary

September 18, 2019 6:30-8:30PM
3000 Rockefeller Ave, Snohomish County Campus, Everett WA 98201
Admin East Building, 6th Floor

<p>MRC Members Present Sarah Brown Tom Doerge Paul Clampitt Franchesca Perez Mike Ehlebracht Susan Tarpley Bob Hillmann Cathy Stanley Laura Gurley</p> <p>Absent Deborah Hopkins Traci Sanderson Craig Wollam</p>	<p>Staff, Presenters, and Others Kathleen Pozarycki, MRC Lead Staff Elisa Dawson, MRC Staff</p> <p>Kari Quaas, Snohomish Conservation District Mike Sadler, Citizen Samantha Agen, Citizen Kaitlin Dewhirst, Citizen and Environmental Educator Mary Pat Sullivan, Warm Beach Camp</p>
<p>Summary of Decisions</p> <p>The MRC approved the July 17th MRC Meeting Summary.</p>	
<p>Upcoming Events</p> <ul style="list-style-type: none"> ● Boat Tour of the Snohomish Estuary with the Northwest Straits Commission and Northwest Straits Foundation- September 25th. ● MRC October forage fish survey- October 8th. ● Orca Talk Mukilteo Rosehill Community Center- October 16th 	

Welcome and Introductions

Chair Sarah Brown opened the Marine Resources Committee (MRC) meeting with a quorum at 6:30PM.

Sarah introduced herself and called for self-introduction of meeting participants.

Approval of MRC Meeting Summary

Tom Doerge made a motion to approve the July 17th, 2019 MRC Meeting Summary. Mike Ehlebracht seconded the motion. All were in favor and the motion passed.

October 16th Orca Talk and MRC Meeting

Kathleen Pozarycki announced that the Orca Talk “Southern Resident Killer Whales: Will the Next Generation Survive” will begin at 6:30 p.m. on October 16. with doors opening at 6:00 p.m.

This event has been coordinated with the Snohomish Conservation District and the Northwest Straits Foundation. Kathleen said the regular MRC meeting will be conducted prior to the event and the MRC needs to determine if the meeting should start that at 4 or 4:30 p.m. After a discussion on the logistics of the events and the agenda items, the MRC decided to meet at 4 p.m. on October 16th at the Mukilteo Rose Hill Community Center. Gregg Farris, SWM Director, will be attending the October MRC meeting to provide the MRC a brief budget update for 2020.

Next, Kathleen asked for volunteers for set up, take down, and roles during the event. Kathleen said that the room opens at 3 p.m. and asked for volunteers for set up to arrive at that time. Elisa, Kathleen, Tom, Paul, Kari and one other staff person from the Snohomish Conservation District will be at the venue at 3 p.m. to help set up. Susan offered to help with the booth once she gets there. Several MRC members said they would be able to stay after the event to help with clean up. Kathleen reported that MRC members have been invited to stop by Sound Salmon Solutions new office across the street after the event. Several MRC members said they would attend and after event meeting at Sound Salmon Solution's new office. Lastly, Kathleen passed around posters for the event and asked MRC members to take them and post them around town.

North Sound Geographic Response Plan (GRP) Group Discussion

Susan Tarpley reported that the Oil Spill Subcommittee met with Washington State Department of Ecology (Ecology) staff on September 11th. Susan explained that this meeting was the result of a conversation Susan and Northwest Straits Commission staff had with Ecology staff. Ecology staff reached out to the Snohomish MRC, as well as other MRCs, to ask them to participate in updates to the local Geographic Response Plans (GRPs). Susan explained that there are four GRPs in Snohomish County, the Central GRP, Admiralty Inlet GRP, WRIA 7 GRP, and the North Sound GRP. The MRC was invited to give comments on all four GRPs. GRPs guide early actions when oil spills happen. GRPs are made up of pre-identified strategies for specific areas of the state at risk from oil spills. The strategies are designed to minimize impacts to sensitive environmental, cultural, and economic resources. The state Legislature directs the Department of Ecology to develop and routinely update these plans.

Susan said that much of the discussion on September 11th was around updating the "Resources at Risk" section of the plan. The MRC gave comments on location of restoration projects, shellfish harvesting information, kelp and forage fish, the Port Susan Marine Stewardship Area designation and research associated with the area, and the contact information of additional people for Ecology staff to follow up with. Susan reported that Ecology staff may be following up with the tribal representatives on the MRC to gather additional information.

Franchesca Perez said that she was able to attend an Ecology open house on the update to Washington State oil spill rule on September 17th. Franchesca reported that Ecology plans to update Chapter 173-182 WAC, Oil Spill Contingency Plan rule. The rule requires large commercial vessels, oil handling facilities and pipelines to have detailed contingency plans and contracts for appropriate equipment and trained personnel to respond to spills that may occur. She said that this rulemaking will:

- Establish requirements for review and approval of Spill Management Teams including entities providing wildlife rehabilitation and recovery services.
- Enhance requirements for readiness for spills of oils that, depending on their chemical properties, environmental factors (weathering), and method of discharge, may submerge or sink.
- Update drill requirements to reflect legislative direction.

- Update planning standards to align vessel and facility requirements and ensure best achievable protection is maintained in contingency plans.
- Enhance planning standards for oiled wildlife response.
- Make other edits to address inconsistent or unclear direction in the rule, or other administrative edits.

Franchesca said that comments on this rule update are due by October 6th. Susan offered to follow up with Ecology to see if the deadline can be extended so that the MRC can comment. Franchesca and Susan will discuss ideas for writing a comment letter.

Mussel Watch Cage Deployment

Mike Ehlebracht has been working to finalize sites for 2019-2020 mussel watch. At this time, the MRC sites are Meadowdale, Mukilteo, Everett Harbor, Edmonds Marina on Olympic Beach, Edmonds Marina Beach Park, and Edmonds Brackett's Landing. The MRC may need to recruit additional volunteer to help with the many different sites. Cage deployment will be scheduled for the week of October 27- November 2. Backup dates are November 11-19 and November 24-December 1.

The MRC discussed volunteer assignments for mussel watch deployment. Mike asked the group to choose a date during the first scheduled week to commit to deploying cages. MRC members decided to schedule deployment at their locations for Monday night, October 28. The group will also hold the 29th as a backup date. The group looked at the tides and discussed a meet up time of about 10p.m. for deployment at the various locations. Lincoln, Franchesca, and Elisa will coordinate picking up mussels earlier in the day on October 28. Next the MRC discussed who can deploy at each location. The following volunteer list was created:

- Edmonds (3 locations): Susan and her husband, Alan, Joe, Mike Sadler, and Tom.
 - Susan will get the permit for Edmonds. Elisa will send coordinates of the deployment location to Susan.
- Meadowdale: Mike, Paul, Doug Dailer (Snohomish County Parks)
 - Kathleen will help get the permit
- Mukilteo: Elisa and others. Elisa will reach out to NOAA staff.
 - Mike will follow up with Mariko from WDFW on jurisdiction and access.
- Everett: Sarah, Laura, Bob.
 - Laura will coordinate access.

Mike reported that there are also three other sites in Snohomish County. These are Naketa Beach, which former MRC Member Lincoln Loehr is coordinating with WDFW staff; Kayak Point, which Franchesca Perez is coordinating with Stillaguamish Tribal staff; and Hermosa Point/Tulalip Bay, which Cathy Stanley is coordinating with Tulalip Tribes staff. Kathleen offered to bring lanterns the MRC has to the October meeting for the groups to use on deployment. Mike also reminded the group that cage retrieval is planned for January 20-26, with a backup plan for February 5-12.

Snohomish Coastal Boat Tour September 25th

Kathleen reported that the Northwest Straits Initiative Coastal Site Tour for Celebrating Collaborative Conservation is one week away. The planning is on track and there are 50 attendees confirmed. Kathleen said that the planning team is now allowing those on the waitlist

to register, and she expects for the total attendance to be close to 60. Senator Marko Liias is registered to attend, and the planning team is waiting on confirmation from Senator Patty Murray. The boat will board at 12:30 at the Hat Island Ferry Dock in the Port of Everett. Kathleen asked that the MRC members arrive closer to 12:30, as the boat will leave right at 1:00 p.m. The tour will visit three sites, the Howarth Park and Nearshore Restoration Project, the proposed Meadowdale Beach Restoration Project, and Steamboat Slough. There will be time for both informal conversations as well as a presentation during the tour.

Forage Fish Update

Elisa reported that Forage fish monitoring dates have been scheduled for the 2019-2020. The MRC had their first monitoring day of the season on September 17th. Kathleen Pozarycki, Elisa Dawson, Tom Doerge, Cathy Stanley, and Bob Hillmann completed sampling. The MRC was joined by Washington State Department of Fish and Wildlife staff Kate Olson. Kate helped check in on MRC methods, and MRC members shared that it was helpful to have her guidance. Elisa asked for volunteers for the upcoming forage fish survey on October 8th. Tom Doerge, Paul Clampitt, Bob Hillmann, and Cathy Stanley said they would be able to attend. Elisa shared the forage fish schedule with the MRC, and said that calendar invites have been sent to all members. Forage fish survey dates set for 2019-2020:

- October 8th, 2019 (October 14th held as back up date).
- November 7th, 2019 (November 25th held as back up date).
- December 18th, 2019 (December 19th held as back up date).
- January 15th, 2020 (January 30th held as back up date).
- February 25th, 2020 (February 26th held as back up date).

Elisa reported that Salish Sea Biological is under contract for surf smelt and sand lance spawn analysis for the Snohomish County forage fish sites for the 2019-2020 sample season. Analysis will be done by pan winnow throughout the sampling season. Blue vortex side-by-side comparisons will be done in the months of November, December, January, and February for all sites.

Howarth Park Opportunity Fund Grant Update

Bob Hillmann reported that he continues to work with a consultant for the Opportunity Fund Grant at Howarth Park. Bob explained that the project goal is to evaluate the feasibility of replacing the culvert for Pigeon Creek #2 under the BNSF railroad at Howarth Park in Everett with a larger box culvert or small span bridge. The feasibility study will also examine options for potential for restoration of the lower creek and adjacent floodplain. The primary goals for culvert replacement and stream restoration at Pigeon Creek #2 include:

- Restore natural confluence of Pigeon Creek #2 with Puget Sound and restore tidal processes at the mouth of the creek
- Restore natural transition of salt marsh habitat to freshwater marsh and riparian habitat along the lower reach of Pigeon Creek #2
- Provide a pathway for natural sediment transport from the creek to the nearshore
- Improve water quality within the lower reach of Pigeon Creek #2, and subsequently the nearshore area at Howarth Park, through creek restoration, on-site storage, vegetated buffers, and other LID stormwater improvements.

The first field visit with the consultant will be on 9/26/19 at 11 a.m. Kathy Ketteridge from Anchor may be there earlier to look at the site during low tide. MRC members are welcome to attend. Bob and Kathleen are currently both planning to attend.

Project Updates and Announcements

- **NWSC Update:** Franny reported that she was unable to attend the last NWSC meeting. She reviewed the notes from the meeting, and reported that the Puget Sound Day on the Hill is coming up and will probably be scheduled for October 8th. Franchesca reminded the MRC members that the MRC project symposium will be on January 8th and encouraged everyone who can attend to participate. Lastly, Franchesca reported that the Northwest Straits Commission is seeking members for their Communications Committee and they are also looking for a shellfish biologist for their Science Advisory Committee.
- **MRC Grant Update:** Kathleen reported that the final digital ad run which ran from August 12- September 2, and the campaign is now complete. There were 113,887 impressions with a reach of 42,776. 903 people clicked on the ad. Since the campaign began, 129 new users are using the MyCoast app and 364 reports have been submitted. Additionally, there is a lessons learned webinar scheduled for Tuesday September 24th at 10 a.m. Kathleen will send the invite out to the MRC members for the webinar.
- **Ocean Literacy:** Susan Tarpley reported that she had no updates.
- **Crabber Outreach:** Bob Hillmann reported that he had no updates.
- **Kelp Monitoring:** Tom reported that final date for kelp monitoring was completed on August 29th at Edmonds by himself, Elisa, and a volunteer from the Stillaguamish Tribe. All data from the summer surveys have been sent to Dana and Suzanne. Suzanne is working on getting the data into SoundIQ and the MRC looks forward to showing maps of the data to partners.
- Elisa Dawson presented the Gantt Chart she created for the MRC's coordination work with the City of Mukilteo. MRC Members had no comments, and the group will continue with the work plan.
- Kathleen Pozarycki reminded the MRC that the MRC Retreat needs to be scheduled for November. The MRC agreed to cancel the public meeting in November and have the MRC Retreat on November 20th 5:30-8:30. MRC staff will discuss a location.
- Kathleen reported that the MRC leaders for 2020 will also be decided at the MRC Retreat in November. She will be reaching out to MRC members to talk about leadership roles.
- Kathleen reported that there is an Earth Corps work party this Saturday up at Union Slough in Marysville. She told anyone interested to go to their website to register.

The meeting adjourned at 8:29 PM.

Snohomish County Marine Resources Advisory Committee Meeting Meeting Summary

October 16, 2019 6:30-8:30PM
3000 Rockefeller Ave, Snohomish County Campus, Everett WA 98201
Admin East Building, 6th Floor

<p>MRC Members Present Sarah Brown Tom Doerge Mike Ehlebracht Susan Tarpley Cathy Stanley</p> <p>Absent Deborah Hopkins Traci Sanderson Craig Wollam Paul Clampitt Laura Gurley Franchesca Perez Bob Hillmann</p>	<p>Staff, Presenters, and Others Kathleen Pozarycki, MRC Lead Staff Elisa Dawson, MRC Staff</p> <p>Kari Quaas, Snohomish Conservation District Sarah Rocero, Snohomish Conservation District Lisa Kaufman, Northwest Straits Foundation Kenny Clarkson, Northwest Straits Foundation David Bain, Orca Conservancy</p>
<p>Summary of Decisions</p> <p>Because the MRC did not have a quorum, no decisions were made at this meeting.</p>	
<p>Upcoming Events</p> <ul style="list-style-type: none"> ● Public Hearing on SWM rate increase October 23rd ● Mussel Watch Deployment at MRC Sites October 28th ● Forage Fish Survey November 7th ● MRC Annual Conference November 15-16th ● MRC Annual Planning Retreat November 20th ● MRC Project Symposium at Padilla Bay January 8th, 2020 	

Welcome and Introductions

Chair Sarah Brown opened the Marine Resources Committee (MRC) meeting at 4:10PM.

Sarah introduced herself and called for self-introduction of meeting participants.

Approval of MRC Meeting Summary

The MRC was unable to meet a quorum in attendance at this meeting and so the September meeting minute approval will wait until the next meeting.

Logistics for the Event

Kathleen Pozarycki announced the presenters for the workshop tonight are Dr. Richard Osborne from the Whale Museum, Soundwatch and the University of Washington, and Jacques White, the

Executive Director for Long Live the Kings. Both of the speakers are deeply involved in the Southern Resident Killer Whale (SRKW) work in Washington State. Approximately 100 people have said they are attending the event according to social media posts. Kathleen announced that Councilmember Stephanie Wright has also indicated that she will attend.

Next, Kathleen discussed the logistics for the night. The Orca Talk will officially begin at 6:30 p.m. with doors opening at 6:00 p.m. There will be a series of slides to start up at 6:00 p.m. to auto rotate through while attendees come into room and settle in. Kathleen asked for volunteers to help set up chairs, food, projector/computer, the MRC booth, and tables to the other partner's booths. All MRC members volunteered for a task to assist with set up. Finally, Kathleen discussed the take down logistics. She explained that the chairs will need to be stacked carefully, and the team will need to fold tables, sweep, and mop. Once all tasks are complete the trash will need to be taken out. Kathleen thanked all the MRC members for helping out with the event.

Mussel Watch Cage Deployment

Mike Ehlebracht has finalized the sites for 2019-2020 mussel watch. The MRC sites are Meadowdale, Everett Harbor, Edmonds Marina on Olympic Beach, Edmonds Marina Beach Park, and Edmonds Brackett's Landing. Cage deployment is scheduled for October 28th. Elisa will be obtaining mussel cages and the mussels from WDFW and will distribute the cages and mussels to the MRC team on October 28th in the afternoon. Elisa will coordinate with a lead from each team to ensure they have all of the materials that they need.

Mike reminded all the volunteers to be sure they have registered with Washington Department of Wildlife (WDFW) as a volunteer. Volunteers should meet at their sites around 9:30PM to prepare the mussel cages. The zero foot tide is around 10:30PM. The MRC reviewed the following volunteer list:

- Edmonds (3 locations): Susan, Alan, Joe, Mike Sadler, and Tom.
 - Susan has received all permits from the City of Edmonds.
- Meadowdale: Mike, Paul, Doug Dailer (Snohomish County Parks)
 - Kathleen reported that access from Snohomish County has been granted.
- Everett: Sarah, Laura, Bob.
 - Sarah reported that access has been obtained by Laura.

Mike reported that there are also four other sites in Snohomish County. These are Naketa Beach and Mukilteo beach which former MRC Member Lincoln Loehr is coordinating with WDFW staff and Beach Watchers; Kayak Point, which Franchesca Perez is coordinating with Stillaguamish Tribal staff; and Hermosa Point/Tulalip Bay, which Cathy Stanley is coordinating with Tulalip Tribes staff. Mike also reminded the group that cage retrieval is planned for January 20-26, with a backup plan for February 5-12.

Northwest Straits Commission Update

Kathleen reported that the Northwest Straits Commission is still recruiting a Snohomish MRC member for the Communications Subcommittee. The MRC will discuss a representative at the Annual Retreat. Additionally, the MRC Project Symposium will be happening on January 8th at Padilla Bay. Kathleen asked who may be able to attend to represent the MRC. Sarah and Susan may be able to attend. Kathleen will send a reminder to the entire MRC and ask others who are not in attendance tonight to see if they can also attend. Kathleen said it would be ideal to send as many MRC members as possible to the Project Symposium.

The MRC conference is November 15-16. Kathleen reminded MRC members that the conference is free for members, but they must register. Executive Somers will be giving a welcome address at the conference. There will be a field trip on Friday morning November 15th to Howarth Park which Kathleen and Bob are leading. Kathleen asked for volunteers to help direct people in the park. Mike and Sarah volunteered to help. Additionally, the MRC needs to put together a few slides of projects they wish to highlight at the conference. The slides will be shown during the reception. The MRC discussed highlighting the derelict vessels and creosote piling project. Everyone agreed to highlight these two projects, and MRC staff will put together the slideshow before November 1st for the MRC to review. Finally, Kathleen asked the MRC if there were any special guests the MRC would like to invite to the conference. The MRC discussed several ideas for special guests. Kathleen will forward along that list to the Northwest Straits Commission.

Surface Water Management Budget Update

Kathleen introduced Gregg Farris, Snohomish County Surface Water Management (SWM) Director. Gregg thanked the MRC for having him at the meeting. Gregg reminded the MRC that he was last at an MRC meeting about a year ago to discuss budget cuts. In 2019, SWM had to make several cuts to their budget because SWM fees have not increased with costs the department has. Gregg reminded the MRC that SWM fees have not increased for over 10 years. In order to address that, SWM has been working with Snohomish County Council for a rate increase. Gregg reported that there is currently a budget ordinance proposal included in the Executive's 2020 budget that is currently being reviewed by Snohomish County Council. This budget ordinance proposal would bring the SWM rate for the entire county to \$122. Currently, rural areas pay \$90 and urban growth areas pay \$122. Gregg stated that this increase would help keep SWM programs at their current scope of work, but would not allow for an increase in programs. Gregg stated that the Snohomish County surface water fee will still be one of the lowest fees in Washington State.

Gregg stated that it is uncertain if the proposal will pass and be approved by Snohomish County Council. However, Gregg hopes that they will get the final answer on the proposal by mid-November. Gregg said that if the proposal passes the MRC will be able to keep the same level of staff support. Without the rate increase, there will likely be cuts. Gregg said that there will be a Public Hearing on October 23rd at 10:30 AM in the Snohomish County Council Chambers for those who may be interested in providing a public comment. Testimony can be made orally or written if you are unable to attend in-person. There will also be an additional hearing on October 23rd at 6:30PM.

Sarah asked Gregg if the MRC can reach out to the Snohomish County Council as group or individually. Gregg stated that the MRC is welcome to do both. Sarah asked the MRC if they would be interested in writing a letter to the Snohomish County Council in support of the rate increase. The members that were present agreed, and Mike offered to draft the letter. Kathleen will reach out to the entire MRC by email, because there was not a quorum at this meeting. Lisa Kaufman from the Northwest Straits Foundation suggested reaching out to Northwest Straits Commission Director Lucas Hart, to see if the Commission would be willing to write a letter. The MRC agreed to ask the Northwest Straits Commission for a letter. Kathleen will follow up with Lucas Hart by email.

Project Updates and Announcements

- **MRC Grant Update:** Kathleen reported that previous year grant is done and now we are working on the creosote project. Interviews of potential consultants need to happen soon. Kathleen asked if who would like to participate in the interviews. Mike said he was interested in helping. Lisa Kaufman also offered to help. Kathleen said she will coordinate a subcommittee meeting to discuss the grant.
- **Ocean Literacy:** Susan Tarpley reported that she had no updates. With school just starting, she suggested the group should check in with teaches.
- **Oil Spill:** Kathleen reported that the letter that the MRC wrote was signed by Snohomish County Executive Somers and sent in. Kathleen thanked Susan and Franny who championed this effort and reported that it was appreciated by SWM Director Gregg Farris and the Executive.
- **Kelp Monitoring:** Tom reported the subcommittee is waiting for data to be completed in SoundIQ so that maps can be made.
- **Forage Fish:** Elisa reported that the forage fish work is proceeding as planned. She announced that the next sampling event is November 7th and said Cathy, Paul, Bob, and Traci have volunteered to help.
- Kathleen reported that the Snohomish MRC participated in the Boat Tour of the Snohomish Estuary with the Northwest Straits Commission and Northwest Straits Foundation on September 25th. Staff Kathleen Pozarycki and Elisa Dawson helped narrate the tour at the field trip sites, which included Howarth Park, Meadowdale, and the Snohomish Estuary. MRC Members Sarah Brown, Bob Hillmann, Mike Ehlebracht, Susan Tarpley, Paul Clampitt, and Craig Wollam attended the event.
- Kathleen reported that she and Bob Hillmann are continuing to work with the Northwest Straits Foundation and Anchor QEA to conduct a feasibility study of the replacement of the culvert at Howarth Park. Additionally, signage is being designed for the project site. The draft signage is complete and is being reviewed by the MRC. This project is being funded by the Northwest Straits Foundation through an Opportunity Fund Grant.
- Kathleen Pozarycki reminded the MRC that the MRC Retreat will be next month. Dinner will be served. We will be sending out an agenda soon.
- Kathleen reported that the MRC leaders for 2020 will also be decided at the MRC Retreat in November. She will be reaching out to MRC members to talk about leadership roles. Sarah discussed her experience as the MRC Chair for others to consider as we need someone to step up into that role.
- Kathleen reported that Craig Wollam had to resign from the MRC effective immediately. The MRC will pass around a card at the MRC retreat. Sarah will get a card for Craig.

- Lisa made an announcement about the Northwest Straits Foundation grant for Shore Friendly. She reported that they are completing one grant and starting a new one. In the new grant, they'll be taking a look back with landowners that they have already worked on to see about effectiveness. Additionally, they will be offering small grants for homeowners to apply for to implement tasks or getting the technical assistance they need. They are looking for local representatives from the MRC.
- Kathleen reported that she has been talking to Snohomish County Planning and Development services about Shore Friendly. Planning and Development Services are planning to send out a letter to Snohomish County shoreline landowners about shoreline armor. As part of this effort, Planning and Development Services wants to send out the WDFW booklet of soft-shore armor to everyone. Kathleen will coordinate with Lisa from the Northwest Straits Foundation on the mailing opportunities.
- Kari announced that there are multiple SCD Better Ground volunteer work party events happening on Saturday the 19th as part of Orca Recovery Day. Conservation Districts around the state are hosting dozens of work parties throughout Washington on Saturday.
- Kathleen announced there is another Earth Corps volunteer work party at the Union Slough Salt Marsh in Everett on Saturday October 19th.

The meeting adjourned at 5:31 PM.

Snohomish County Marine Resources Advisory Committee Meeting Meeting Summary

November 20, 2019 5:30-8:30PM

**3000 Rockefeller Ave, Snohomish County Campus, Everett WA 98201
Admin East Building, 6th Floor**

<p>MRC Members Present Sarah Brown Paul Clampitt Tom Doerge Mike Ehlebracht Laura Gurley Bob Hillmann Franchesca Perez Traci Sanderson Susan Tarpley</p> <p>Absent Debbie Hopkins (excused) Cathy Stanley (excused)</p>	<p>Staff, Presenters, and Others Elisa Dawson, Snohomish County MRC Staff Kathleen Pozarycki, Snohomish County Staff</p>
<p>Summary of Decisions</p> <ul style="list-style-type: none"> • September 18th, 2019 MRC Meeting Summary was approved • Mike Ehlebracht will serve at Chair for 2020 • Bob Hillmann and Susan Tarpley will serve as Co-Vice Chairs for 2020 • Sarah Brown will serve at the NWSC representative for 2020; Tom Doerge will serve as the alternate • Paul Clampitt serve as the LIO representative for 2020; Laura Gurley will serve as the alternate 	
<p>Upcoming Events</p> <ul style="list-style-type: none"> • December 18th forage fish survey • December meeting is cancelled; instead, there will be the MRC holiday party on December 11th at the Van Valey House in Everett • Next MRC Meeting is January 15th 6:30-8:30 at the Snohomish County Campus Admin East Room 6A02 • January 21st Starlight Beach Walk in Edmonds • January 22nd Mussel Watch Retrieval 	

Welcome and Introductions

Chair Sarah Brown opened the Marine Resources Committee (MRC) 2019 Retreat with a quorum at 5:30pm. Sarah welcomed everyone to the 2019 MRC Retreat and thanked the members for their time. Sarah stated that the goals of the retreat are to brainstorm for the 2019 work plan, brainstorm ways to advance the MRC in 2020, build connections and group cohesiveness, and vote on MRC Leadership, the Northwest Straits Commission (NWSC) and Snohomish –Stillaguamish Local Integrating Organization (LIO) Representatives.

Approval of MRC Meeting Summary

Mike Ehlebracht made a motion to approve the September 18th, 2019 MRC Meeting Summary. Tom Doerge seconded the motion. All were in favor and the motion passed.

NWSC Award

Sarah Brown read the announcement for the MRC Award the Snohomish MRC received at the Northwest Straits Conference on November 16, 2019. The award was for Snohomish MRC's excellent work in 2018-2019 for their derelict vessel removal project. Sarah presented the award to the MRC.

MRC Leadership and Representatives for the NWSC and LIO

Sarah asked for nominations for MRC Chair and Vice Chair for 2020. Bob Hillmann nominated Mike Ehlebracht for Chair for 2020. Paul Clampitt nominated Bob Hillmann and Susan Tarpley as Co-Vice Chair for 2020. Mike, Bob, and Susan accepted the nominations.

Sarah asked volunteers to serve as representatives for the LIO and NWSC. Sarah Brown offered to serve as the Northwest Straits Commission Representative for 2020. Tom Doerge volunteered to serve as the alternate. Paul Clampitt volunteer to serve as the LIO representative for 2020. Laura Gurley volunteered to serve as the alternate.

There were no additional volunteers. Paul Clampitt made a motion to approve Mike Ehlebracht as the MRC Chair for 2020; approve Susan Tarpley and Bob Hillmann to serve as Co-Vice Chairs for 2020; approve Sarah Brown as the NWSC representative and Tom as the alternate for the NWSC; and approve Paul Clampitt as the LIO representative and Laura Gurley as the alternate. Laura Gurley seconded the motion. Sarah asked for all those in favor to say "aye." All were in favor of these appointments and the motion passed.

Brainstorm Strategy to Implement Current Work Plan

This year the MRC subcommittee leads gave brief presentations of their 2019 successes, and shared next steps to help create an effective 2020 work plan. Sarah facilitated the group through each subcommittee's presentation.

The following projects were discussed:

1. MRC Grant
 - a. Admin- Elisa
 - b. MyCoast Marketing Plan - Sarah
 - c. Pilings Project – Elisa/Laura
2. Ocean Literacy - Susan
3. Nearshore Restoration Project- Bob
4. Forage Fish Spawning Surveys- Elisa
5. Meadowdale Park Restoration- Mike
6. Recreational Fisheries/Crabber Social Marketing Project- Bob/Paul
7. Mussel Watch- Mike
8. Oil Spill Preparedness- Susan
9. Kelp Monitoring- Tom/Elisa
10. Port Susan Marine Stewardship Area- Elisa
11. Snohomish Estuary Restoration and Derelict Vessels - Elisa

MRC Grant Administration- Elisa

Elisa explained that the major grant administration reporting will be similar to 2019. She listed the activities and dates for a number of the upcoming deadlines:

- a. Quarterly Grant Reports and Billing Management and Volunteer Hour Tracking
 - a. Volunteer hours due each quarter to Elisa- **All**
 - i. Volunteer hours due 1/1/2020
 - ii. Volunteer hours due 4/1/2020
 - iii. Volunteer hours due 7/1/2020
 - iv. Volunteer hours due 9/20/2019
 - b. Progress Reports- Kathleen & Elisa
 - i. Quarter 1 progress report due 1/17/2020
 - ii. Quarter 2 progress report due 4/13/2020
 - iii. Quarter 3 progress report due 7/13/2020
 - iv. Quarter 4 progress report due 9/30/2020
- b. Meeting Logistics and Facilitation
- c. Annual Report- Due 4-13-20
 - a. Send draft to MRC for review- **Elisa**
 - b. Proofreading/Editing- **Mike, Bob, Susan**
 - c. Develop 3-4 Council recommendations in bullet form
 - i. **Mike** send out email with recommendations prior to March 1st for discussion at meeting
 - ii. Snohomish County Council presentation scheduled- Elisa will schedule for April.
- d. Annual Work Plan- Due 1-31-20
 - a. Send draft to MRC for Review
 - i. **Elisa** send out by 1-10-18
- e. Website Management
 - a. Web master volunteer team- Elisa, SWM staff
 - i. Continue to provide access log in and training- **Elisa with help from Sasha**
 - b. Review project webpages and update as necessary- **All MRC Leads**
 - i. Review all website text and links and send suggestions to MRC staff in November 2020.
 - ii. Make edits as appropriate **Elisa**
 - c. Create Project page for MRC Grant **Elisa**

MyCoast Communications Plan and Implementation Project

Overview: The goal of the MyCoast Marketing Plan project was to develop and implement a marketing campaign to promote the MyCoast smartphone app and bring awareness to County community members about marine conservation and the MRC and NWSI mission. During this reporting period, the MRC worked with the consultant, EnviroIssues, to implement the Marketing Campaign for the MRC 2018-2019 Grant. The MyCoast app marketing campaign ran from May through September 2019.

Overall, the ads resulted in 144 new app users, 391 reports from those new users, and 354 app login-ins. EnviroIssues also developed a the Partner Toolkit, submitted on June 26 and finalized on September 26, to amplify app awareness by leveraging the Snohomish County MRC's partner network. The partner toolkit includes digital collateral and draft content for use by partner agencies.

Pilings Project

Overview: The goal of this project is to develop a prioritized list of pilings for future removal both through targeted removal projects and opportunistic projects adjacent to or near restoration projects. This project will identify water quality and habitat function-limiting pilings in the Snohomish River estuary, and prioritize these pilings for future removal to protect and restore critical habitat for salmon populations. Creosote negatively affects herring egg survivability and reduces growth and immune system function in juvenile salmonids. Additionally pilings may impact sediment transport and river function in the estuary. Prioritizing these pilings for future removal will help to better direct the limited funding available toward pilings deemed most harmful to water quality and salmon recovery. The MRC is working on hiring a consultant to help them with this work.

Ocean Literacy Project

Overview: The Snohomish County MRC hired local filmmaker, Florian Graner, to produce *Discover the Salish Sea*, which contains footage of beaches throughout Snohomish County. This film was given to 20 local teachers in 2019 to share with students, along with supporting NGSS curriculum.

Nearshore Beach Restoration Project Monitoring and Maintenance

Overview: Work on the Nearshore Sediment Project has focused on monitoring the beach for changes due to erosion due to storms, currents and wave action. This work has been mostly done by Snohomish County during the forage fish sampling events, documented by the MyCoast app and field observations by others. A recent field trip during the NWS conference reviewed the history of the restoration and current conditions of Howarth Park. There has been a lot of change recently; and the beach profile is becoming steeper. Need to keep eye open about re-nourishment, which would likely cost \$200-300K.

Forage Fish Spawning Surveys

Overview: The Snohomish MRC is completing the 8th year of sampling at the forage fish monitoring sites between Mukilteo and Everett. This is the 4th year of post-construction sampling. All together MRC members, Tulalip Tribes staff, and SWM staff have taken nearly 700 forage fish samples at 14 different sites along the nearshore. In 2019, surf smelt eggs were found at site 13 in September October and November. Sand lance eggs were found once in November at Site 5. We usually see most sand lance eggs in December/January/February. Next forage fish sample is Dec. 18 at Howarth at 2:30. Need volunteers, especially to help lead the January and February sampling events at Howarth Park in 2020. Data analysis is underway for the UW ESRP grant.

Meadowdale Park Design and Cost Benefit Analysis

Overview: Logan Daniels of the Snohomish County Parks Department believes that there has been sufficient progress made to obtain and secure funding (including Recreation and Conservation Office (RCO) and Federal Rail grants) to potentially begin construction in 2020 or more likely 2021. There are still a number of permitting and BNSF items that have to be addressed and Parks is still hoping to get additional grant funding before construction is initiated.

Recreational Fisheries Education/Crabber Social Marketing

Overview: This is a yearly outreach project supported by NWS and locally collaborating with WSU to inform recreational crabbers about ways to catch more crab/not to lose crab pots. MRC and WSU Beach Watcher volunteers contacted hundreds of crabbers during a two-day period during the opening of crab season at three locations; the Everett 10th street boat launch, Kayak Point and the

Edmonds fishing pier. Susan, Paul, Laura and Bob represented MRC. There were two shifts for two days for both sites. The MRC contacted nearly 1,300 people with their outreach.

The MRC discussed bringing a properly rigged pot to future years. Many buoys are attached backwards to create more drag and not weighted. Bob suggested the MRC create a sandwich board that says, "Is your pot rigged correctly?" WDFW has extra pots that are available to be used for a giveaway. Bob also discussed using biodegradable translucent bag for future materials. Elisa will order bait clips for 2020 season.

Working Dinner Break

The MRC paused for a working dinner break at 6:45p.m.

Mussel Watch- WDFW Caged Study

Overview: Ten cages (out of 89 statewide) were successfully deployed in Snohomish County on Monday, October 28. Five of the cages were deployed by the MRC. The locations of these cages were three along the Edmonds waterfront, one at Meadowdale Beach, and one at Port of Everett. Lincoln Loehr, Elisa Dawson, and Beach Watchers volunteers deployed two cages in Mukilteo. Franchesca Perez with the Stillaguamish Tribe deployed two cages, one at Kayak Point Park and the other at Cavalero Beach. Finally, Cathy Stanley with the Tulalip Tribes deployed one cage at Hermosa Beach. Cage retrieval is scheduled for the week of January 20 – 26 with January 22 being held as the tentative date.

Oil Spill Preparedness

Overview: The Oil Spill Subcommittee successfully continues to build interagency relationships vital to successful spill prevention, preparedness, and response in Snohomish County and the Puget Sound region. The subcommittee assisted the Dept. of Ecology with updating three Geographic Response Plans (GRPs) for the county. They provided substantial information regarding ecological and cultural resources at risk within the county and strategically important facilities critical for effective spill response. Additionally, they reviewed the Department of Ecology's proposed Oil Spill Contingency Plan update and provided comments on behalf of the SWM to the county executive. These comments were accepted and submitted to the state expressing the county's concern for: 1) strengthening oil spill contingency planning, preparedness, and 2) expanding the requirements to protect Washington's communities and waters. The subcommittee networked with stakeholders at the annual Pacific States/BC Oil Spill Task Force meeting, a conference, designed for all parties responsible for prevention and response operations in the Western United States and Canada. Finally, the subcommittee participated in the Local Emergency Planning Committee (LEPC) meetings.

Kelp Monitoring

Overview: Since 2015 the MRC has been conducting kelp monitoring in Snohomish County as part of the Northwest Straits-wide effort. The Kelp Monitoring Project continued in 2019 for the fifth consecutive year with similar protocols as previous surveys. No mapable kelp beds were found in either the Meadowdale or Mukilteo areas in 2019 but only groups of 1-8 individual plants. The three large Edmonds kelp beds were stable or showed an increase in area compared to 2018. Tom recommends considering a similar approach in 2020 and will need at least another kayak savvy helping hand. Two people are minimum, four people is preferred for monitoring.

Port Susan Marine Stewardship Area

Highlights: The Port Susan (PS) Subcommittee continued to build partnerships throughout the region by reaching out to communities most impacted by the Port Susan marine stewardship area. There were no SHARP/NWSF workshops in 2019. The MRC has been working with Snohomish County Planning and Development services about Shore Friendly mailers to shoreline landowners. Planning and Development Services are planning to send out a letter to Snohomish County shoreline landowners about shoreline armor by the end of 2019. The MRC will help write the letter that will be mailed along with the WDFW booklet on shoreline armor.

Snohomish Estuary Clean-up

The Snohomish County Marine Resource Committee (MRC) has been working to shine a light on the issue of derelict and abandoned vessels in the Snohomish Estuary since 2016. Snohomish County has since set up a Derelict Boat Removal Program based on authorization provided by state law. MRC members along with SWM staff worked with the Washington State Department of Natural Resources (DNR) to support removal of five derelict boats in 2018 and 2 derelict boats in early 2019. Additionally, Snohomish County provided funding to address the emergency removal of an Abandoned Houseboat that washed up this summer at Langus Park Boat Ramp. In September of this year, the DNR took possession of the [Midas](#) for removal and funded the removal and disposal costs.

Together, the removal of these boats totaled more than 22 tons of marine debris which were removed from the Snohomish Estuary and Everett Nearshore. \$50,000 of funding came from Puget Sound Partnership and the remaining funds were provided by Snohomish County Surface Water Management. SWM and Public Works provided key roles to help create the program and provide staff support.

Connecting with Elected Officials

Sarah discussed activities done by the MRC in 2019 to connect with elected officials. This included the annual report to Snohomish County Council, numerous meetings with councilmembers, and continuing to keep councilmembers up to date through the MRC mailing list. Sarah said that there is a new councilmember, Megan Dunn, for Council District 2. She recommended reaching out to Megan in early 2020.

Retreat Wrap Up

Sarah thanked the MRC for their time at the retreat. Elisa will follow up with MRC members to get a written Work Plan for each subcommittee completed.

Announcements

- December 18th forage fish survey
- December meeting is cancelled; instead, there will be the MRC holiday party on December 11th at the Van Valey House in Everett
- Next MRC Meeting is January 15th 6:30-8:30 at the Snohomish County Campus Admin East Room 6A02
- January 21st Starlight Beach Walk in Edmonds
- January 22nd Mussel Watch Retrieval

The meeting adjourned at 8:33 pm.