

**MARINE RESOURCES COMMITTEE
AND CITIZEN'S SALMON ADVISORY GROUP**



MEETING AGENDAS

**Wednesday, December 7, 2016
8:30-10:30 AM**

**Legislative Hearing Room
55 Second Street - Friday Harbor, WA**

8:30 AM	Convene MRC Meeting <i>Terry Turner, Chair</i>
8:35 AM	Citizen Input
8:40 AM	Approval of Minutes 11/2/16 Minutes
8:40 AM	Presentation: Ian Miller, Washington Sea Grant coastal geomorphologist* <i>See Bio</i>
9:00 AM	<p>Operations</p> <ul style="list-style-type: none"> • Update on Interviews for new Northwest Straits Commission Director • New MRC Members Training Support • Budget request: Increasing FTE for MRC Coordinator • Annual Report to the County Council • 4th Qtr & Annual Report to Northwest Straits Commission <p>Policy Advisory</p> <ul style="list-style-type: none"> • Rockfish • Orca • Vessel Traffic related activities <p>Monitoring</p> <ul style="list-style-type: none"> • Deer Harbor Monitoring with NWSF <ul style="list-style-type: none"> ○ Community Presentation – Schedule <p>Marine Stewardship Area (MSA) Plan</p> <ul style="list-style-type: none"> • MRC 2017 Workplan Retreat – 9:30 AM – 2:00 PM Thursday, December 15 Orcas Landing - Bring lunch - Open to the Public • Marine Manager’s Workshop 2017 <ul style="list-style-type: none"> ○ Agenda - Location - Speakers – Attendees ○ Vessel Traffic Risk Assessment 2016 update ○ Marico Marine Analysis <p>Outreach</p> <ul style="list-style-type: none"> • Facebook Campaign • Orcas Landing Experience
10:00 AM	Questions/Citizen Input
10:05 AM	Adjourn MRC Meeting

See reverse of page for Salmon Citizen Advisory Group Agenda, and upcoming events Calendar

End of MRC Agenda

**Salmon Citizen's Advisory Group
Watershed Regional Inventory Area (WRIA) #2
Agenda—10/05/16**

10:05 AM**	Convene Salmon Citizen's Advisory Group Meeting <i>Terry Turner, Chair Salmon CAG;</i>
10:05 AM	Citizen Input
10:10 AM**	Update – <i>Byron Rot</i>
10:25 AM	Citizen Input
10:30 AM	Adjourn Salmon Advisory Group Meeting, <i>Chair</i>

Upcoming Meetings/Events

Date	Event	Location	Time
TBD	MRC Meeting	Islander's Bank	8:30 AM – 10:30AM
TBD	Executive Committee MRC	County Admin Bldg SM Rm	11:30 AM – 1:30 PM
12/15/16	MRC Retreat	Orcas Landing	9:30 AM – 2:00 PM
1/04/2016	MRC & Salmon Recovery Meeting Presentation: To be arranged	SJ County Council Chambers	8:30 – 10:30AM

(MRC meeting, see reverse of the page)

***Bio of Presenter: Ian Miller, Washington Sea Grant coastal geomorphologist**

A skilled science communicator and media spokesperson, Dr. Ian Miller is Washington Sea Grant's coastal hazards specialist, working out of Peninsula College in Port Angeles as well as University of Washington's Olympic Natural Resources Center in Forks. Dr. Miller works with coastal communities on the Olympic Peninsula to increase their ability to plan for and manage coastal hazards, including tsunami, chronic erosion, coastal flooding and hazards associated with climate change. To accomplish this, he uses a suite of tools including outreach, applied research, synthesis of existing science, and coordination to help coastal communities access funding and expertise to achieve their goals and implement their plans.

Before joining Washington Sea Grant, Dr. Miller served as the education director of the Olympic Park Institute and as Washington field coordinator for the nonprofit Surfrider Foundation. Dr. Miller holds a bachelor's degree in marine ecology at Western Washington University's Huxley College of Environmental Studies and a doctorate in ocean sciences from the University of California, Santa Cruz. His graduate research focused on the transport and fate of sediment in the coastal zone adjacent to the Elwha River delta. Find him online blogging at the Coast Nerd Gazette.

**MARINE RESOURCES COMMITTEE
AND CITIZEN'S SALMON ADVISORY GROUP**



DRAFT MEETING NOTES

**Wednesday, November 2, 2016
8:30-10:30 AM**

**Legislative Hearing Room
55 Second Street - Friday Harbor, WA**

Members Present Terry Turner, Chair; Kathleen Dolsen, Vice Chair; Tom Temple; Cheryl Kummer; Megan Dethier; Mark Herrenkohl; Barbara Bentley

Members Absent Bob Wilson; Patti Gobin; Mark Broman; Phil Green; David Tribolet

Staff present Arnie Klaus (MRC Coordinator), Byron Rot (Salmon Lead Entity Coordinator), Elizabeth Anderson (Minutes)

Citizens Attending Laura Jo Severson, Mark Donahue, Ken Carrasco

Convene Terry Turner called the meeting to order at 8:30

Citizen Input

Ken Carrasco shared recent data about the Dungeness crab fishery. Crab population increase is related to salmon population decrease. Two hundred and fifty thousand people are registered for crab fishing in Puget Sound, with 259 commercial fishers. Many crabs caught here are shipped to China, where they are extremely expensive. Washington enforcement personnel have noted problems with poaching and with a potential drug traffic connection. Enforcement of regulations on recreational pots is also a problem and catch record are not well kept. Many pots are snagged or otherwise escape their mooring and fishery agents recommend adding phone number to information on the pots.

Ken also noted that legal male crabs are found at a depth of 500 feet in the Hood Canal. They are abundant from 90 to 100 feet, but frequent more shallow waters for mating. Barbara added that San Juan County is by far the largest producer in the Washington crab commercial fishery.

Approval of Minutes

Minutes from the Marine Resources Committee Meeting of October 5, 2016, were approved subject to a few grammatical corrections.

Presentation Mark Donahue – Kelp Farm Proposal in Westcott Bay

Mark provided a short video about the commercial uses and methods of farming kelp. The video featured Brent Smith, a kelp farmer, and experts describing kelp farming and marketing

activities, including a New York restaurant cooking it up as “the new kale” and a Yale experimental farm using kelp fertilizer. Smith described kelp farming benefits as: closing the nitrogen loop, bridging land- and sea-based farming, and helping to create jobs. See greenwave.org for information.

Twelve kelp farms are currently operating in Maine and one in Long Island Sound. Mark has worked in aquaculture in Puget Sound and in Alaska, where he found himself stripping prolific kelp growth off lines at several shellfish farms. Westcott Bay, where he now proposes the five-acre kelp farm has long history of shellfish growing.

His venture in Westcott Bay, which is next to a 25-acre shellfish operation, is currently in the permit process. It would displace some boat mooring and uses dropper buoys, which extend three feet down, but have weak links to avoid entanglement dangers. He estimates three crops per year from this experimental farm, and notes several other are also appropriate locations and that kelp farms would enhance habitats.

Mark sees the objectives of this Salish seaweed project as stormwater mitigation, habitat restoration, and uses as natural medicinal products, edibles, feed, and fertilizer.

Seaweed can effectively mitigate stormwater and the contaminants it carries. Vegetation in a habitat generally increases animal habitat in that location. He would like to see just how effective kelp is at mitigating the effects of runoff and if it influences herring spawning, sea stars, urchins, and rockfish. This can be an opportunity for academic studies.

Q - Do you have the lease?

MD - The Planning Commission has strenuously objected, citing environmental and neighborhood concerns, and an unknown impact. Everyone loves the bay and wants to see it healthy. He sees the tick algal bloom in summer as fertilizer runoff indications. He hopes his work will benefit bay. The project is still in the application process; it is two months away from a shoreline permit and still needs JARPA and Corps approval. The planner is great. The neighbors are opinionated and rattled, though some have withdrawn opposition. The process is an opportunity to get the word out.

Q - Will there be commercial activity on site?

MD - He intends to sell it fresh, and it can be frozen. Kelp is marketed locally as an effective herpes medication.

Comment - For 35 years the road experienced heavy traffic from the oyster farm, but has not for the last five years, while the oyster farm was for sale and has been in process of refurbishment.

Q - What about scientific research on long-term effects?

MD - Shading is a known effect. Work has not been going on for long.

Comment - Salmon farms and oyster farms are known, but kelp farms not yet.

Q - How would the community navigate between different types of farming? Destructive vs. positive? What are the appropriate regulations?

MD - Kelp farming has no large financial backing at this time. Monoculture is challenging. Shellfish are generally known to thrive in clean waters. He is not a supporter of finfish farms. A balance needed. Kelp production could also help in Elliot Bay, where most restoration projects are for wetlands with little activity below the mean low water mark.

Comment - Seaweed removes carbon, taking up five times as much carbon as land-based plants. But when it dies or is harvested, that carbon is released.

Comments - This is an very interesting topic. Please follow up with MRC. Collect data and share it.

Operations

- Interviews for a New Northwest Straits Commission Director are underway

- The next is on November 9 at Padilla Bay. Phil and Arnie will go, other MRC members are welcome.
- New MRC member selections are still awaiting County Council approval
- The budget request to increase the MRC Coordinator to full-time job has been made and funding is the question. The County now supplies no funding for the MRC; the previous 25% of MRC support was withdrawn during the recession. This does not compare well with other counties.
- The MRC Annual report to the County Council is due Nov. 30 and is ready for MRC review at this midmonth meeting. It lists accomplishments and proposed work plan. Arnie will distribute to the MRC members before their next meeting.
- MRC Annual retreat is in December. Location and agenda TBD.

Policy

An update on the new initiative for Puget Sound Recovery will be covered in CSA meeting.

Marine stewardship

- NWSC MRC Annual meeting Port Townsend is November 4-5, 2016
Arnie will provide the information on:
 - Transportation
 - Facebook news
 - Poster Sessions – will feature the Orcas landing experience
- Marine Managers' Workshop 2017
 - Agenda, speakers, attendees TBD
 - Location - Camp Orkila or Rosario resort were proposed. The MRC members strongly supported selecting the Dederer center at Orkila, noting that the venue is large enough with the right kind of environment for the subject. Housing is cabins with bunks, which could house 50 people.
- Orcas Landing and Conference room - Arnie will work on getting it set up and available for meetings. The conference line is working.
- The 4th Quarter Annual report to Northwest Straits Commission- will be prepared and presented at the same time as the annual report to the County.

Outreach

- MRC 20th Anniversary Celebration (Kathleen)
The schedule and site for November 10, 2016, at the San Juan Island Museum of Art is not working out well. Very few of those invited will be attending, and this is not likely to be the appropriate level of participation and recognition for 20 years of leadership. Kathleen recommends redirecting the scope of the event: reschedule to include more people—all who have been involved in MRC, and find a larger site. The current funding of \$600 should be increased, comparing the event with the 10th anniversary, when the MRC produced a book and invited the governor. Discussion: Members support a delay for a bigger event, a place with larger capacity, possibly the Orcas landing opening. Invite all who have been involved. Ken can modify the brochure he has prepared.
- Website
- Facebook campaign

- Orcas Landing experience – The State is already making improvements. The grant proposal for NWS is for up to eight graphic panel displays. Q- Does the state plan include landscaping? Encouraged native plants.

Monitoring

- Kelp - no activity to report
- Deer Harbor monitoring with NWSF -
 - The community presentation schedule should be available soon

Questions/Citizen input

- Ken Corrasco - When will new members be certified? Discussion: MRC should send an email or letter to recommend that Council address this at their next meeting.
Response - Ask Sue to list confirmation of Ken and Laura Jo and ask the Council to put it on next Tuesday's agenda.

Old business (Barbara Bentley)

The location of meetings should reflect the membership and the second meeting of each month should be on Orcas. The second meeting should also be a full meeting to do full business.

Discussion: Using alternate meetings as a working group also good. Full meetings at council chambers are broadcast and have better potential council member and public attendance. The ferry schedule better working better for meetings now, but the meeting schedule may need adjustment as ferry schedule changes. Five members from Orcas are here today. Consider skyping; fiber optic cable is on-site there and the broadcast capacity is strong.

Mark will check if the Orcas phone available for next meeting.

The MRC meeting location for 3rd Wednesday meetings was changed by acclamation.

MRC Meeting Adjourned 9:53

Salmon Citizens' Advisory Group Watershed Regional Inventory Area (WRIA) #2

Attendance

The meeting attendees to the MRC meeting of November 2, 2016, were joined by Debbie Clausen (San Juan Preservation Trust); Susanna (ph. attendee); and Linda Lyshall (San Juan Islands Conservation District), and Marta Green (LIO Coordinator).

Convene Meeting called to order at 10:00 a.m. by Terry Turner, Chair Salmon CAG

Citizen Input Marta Green (LIO Coordinator)

The communication from Puget Sound Partnership this week clarified that the proposed Federal funding, which is new money, would complement the work identified on the Action Agenda. The majority of the funding is allocated to three major projects under the Corps of Engineers. The recommendation for Congressional budget allocation will go to breaching one dam and to two large estuary restoration projects. Funding for these projects is all proposed, not yet appropriated. If it all works out, it could mean \$248 million into Near Term Action Plans over a period of five years.

Approval of minutes not addressed

Update on Projects

Byron Rot (Salmon Lead Entity Coordinator); Debra Clausen (San Juan Preservation Trust)

Lower Zylstra Lake Acquisition

Byron presented an illustrated update to the Board. The Salmon Recovery Board still finds reservoir funding is not included in their mandate to restore natural function. He is asking \$450,000 in support for acquisition, protection, and restoration of the reservoir, which will be augmented by downstream protection and riparian restoration on the Land Bank conservation easement. Work on Zylstra Lake is the first step; many issues and phases will follow, but restoration of stream flow is essential. The return on the dollar will be impressive.

The group was reminded that the Zylstra lake water right is senior to TFH water right, and the work is needed to ensure instream flow to False Bay Creek through the summer months, when it goes dry.

The funding review panel has taken four looks at the proposal and they have recommended pulling out the lower dam. Their fundamental issue is that the project does not restore natural watershed processes.

Debra pointed out that the models of lakes and dams are from the mainland and don't fit this island, where all water is ground water, with no streams flowing from snowmelt. Further, the shallow bedrock here does not hold water in any way comparable to aquifers in eastern Washington.

Even when the stream is flowing, concerns with water temperature remain and increasing the capacity of lower Zylstra can ensure cooler water. Gating the lake for managed release is essential, so the stream does not continue to go dry in summer and flood in winter.

Salmon recovery starts with instream flows. The rain shadow effect here limits summer base flows. Streams only will occur by managing ponds and lakes. For example, Cascade Creek on Orcas Island is fed by reservoir, and this is a significant precedent. Letters of support from the UW Labs and MRC letters have already been sent to the SRF board.

Discussion- Restoring natural processes is the gold standard, but we can't always do that.

Megan Dethier moved that the San Juan County Citizens' Salmon Advisory Group strongly support the Lead Entity's petition to the Salmon Recovery Funding Board for the Zylstra Lake acquisition.

Barbara Bentley seconded the motion and it passed by unanimous vote of the San Juan County Citizens' Salmon Advisory Group members.

Megan will prepare a letter stating that support and see that it is delivered to the Salmon Recovery Funding Board for their consideration at their meeting in early December. Byron will assist with technical aspects of the letter.

Byron's second request is to move 2016 funding to another lead entity. This is a funding exchange, a loan to be repaid next year. Moving the funds is a matter of simple paperwork, which will keep the funding from being lost.

Megan Dethier moved that the San Juan County Citizens' Salmon Advisory Group approve the Lead Entity funding exchange recommended by Byron Rot. Barbara Bentley seconded the motion, which passed with unanimous approval from the Citizens' Salmon Advisory Group members.

SCA meeting adjourned at 10:32

UPCOMING MEETINGS/EVENTS

Date	Event	Location	Time
11/16/2016	MRC meeting	Islanders Bank or Orcas Landing	8:30 AM – 10:30 AM
TBD	Executive Committee MRC	County Admin Bldg SM room	11:30 AM – 1:30 PM
TBD	MRC Retreat	TBD	TBD
12/07/2016	MRC & Salmon Recovery Meeting Presentation: To be arranged	SJ County Council Chambers	8:30 AM – 10:30 AM
TBD	2017 Marine Managers' Workshop	Camp Orkila	
TBD	MRC 20 th Anniversary Observance		