



SNOHOMISH COUNTY MARINE RESOURCES ADVISORY COMMITTEE



2010 ANNUAL REPORT & RECOMMENDATIONS

Snohomish County Marine Resources Advisory Committee (MRC)

Background/Introduction

The Snohomish County Marine Resources Advisory Committee (MRC) was established in 1999 to advise Snohomish County on approaches to conserve the local marine environment. The MRC is authorized by Chapter 2.800 of the Snohomish County Code to advise the County Council and Executive on marine resource issues. This report outlines the MRC's accomplishments for the period of January 1, 2010 – December 31 2010, and includes a description of current projects and recommendations for the Snohomish County Executive and Council.

The MRC is composed of twelve citizen members representing economic, recreational, conservation, and environmental interests along with local and tribal governments. The MRC participates in the Northwest Straits Marine Conservation Initiative, guided by the Northwest Straits Commission (NWSC), which together comprise a non-partisan regional effort to protect and restore marine resources in northern Puget Sound and the Strait of Juan de Fuca. The Surface Water Management Division of the Public Works Department provides staff support for the Snohomish County MRC.

Since its inception, the MRC has developed an effective citizen-based process for examining local marine resource issues, engaging and educating the public and initiating small-scale efforts to address established priorities. These priorities are guided by the NWSC Benchmarks, which include marine habitats, marine life, marine water quality, science, and education and outreach. Additionally, the MRC has developed a wide variety of partnerships with government agencies, non-profit organizations and citizen groups to share resources and improve our long-term success. Public education and involvement, including the training and use of volunteers, is an integral part of the MRC's work. Without the help of

volunteers, the MRC would not be able to successfully complete many of its important projects.

The MRC's initial efforts have provided a strong foundation of tools and knowledge to fulfill their mission. With a strong emphasis on accountability, the MRC strives to maximize results, build stakeholder confidence and leverage external funds and partnerships.

The MRC is now implementing a number of marine conservation outreach, research and on-the-ground projects focused on leveraging funds and expanding partnerships throughout the county. The MRC is proud of its accomplishments over the past year, and looks forward to continuing its efforts to benefit the marine resources and the citizens of Snohomish County in 2011 and beyond.



Above: Education training at B-WET workshop

Successes and Highlights of 2010

Volunteer Hours

A combined total of 8,028 volunteer hours were leveraged through the work of the Snohomish Marine Resources Committee, WSU Snohomish County Beach Watchers, Port Susan Marine Stewardship Area Team and supporting staff. This is an amazing show of support from our local community!

Port Susan Marine Stewardship Area

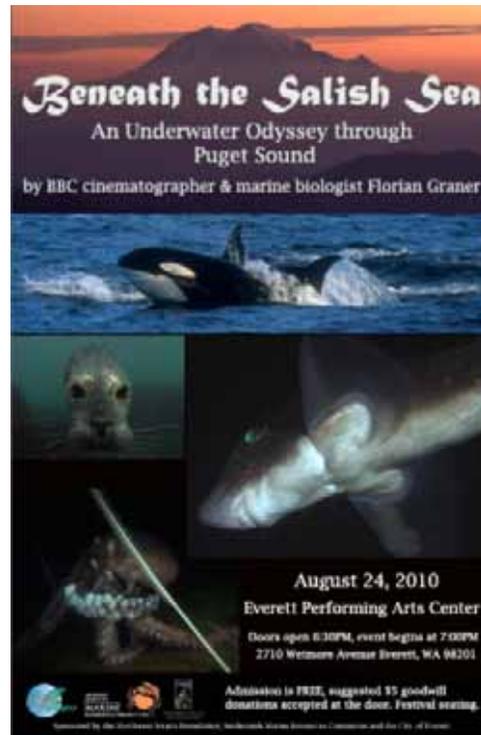
The Nature Conservancy identified Port Susan as a priority conservation area of high biodiversity importance. Since 2007, work has been underway to develop a Port Susan Marine Stewardship Area (MSA). The project, co-led by the Snohomish and Island County MRCs, Tulalip Tribes, and Stillaguamish Tribe (with support from the NWSC) has gained momentum over the past year.

In 2010, the Snohomish and Island County MRCs received benchmark funding to continue planning using the Nature Conservancy's Conservation Action Planning (CAP) process. Project partners, including the Tulalip Tribes, Snohomish County, Washington Sea Grant, WSU Extension Beach Watchers, and the Nature Conservancy, have put forth funds to match the grant dollars for a total of \$55,050!

Together these partners and local volunteers contributed 995 volunteer hours in 2010!



Above: Port Susan Bay



Above: Beneath the Salish Sea Poster

Beneath the Salish Sea Film Viewing

On August 24, 2010, the red carpet was rolled out for the over 250 people who attended the Everett showing of this film featuring underwater images of the Salish Sea.

Marine cinematographer, Florian Graner, captured not only amazing underwater wonders but the rapt attention of the audience. Graner generously donated the film for public viewing. See Graner's site:

<http://www.sealife-productions.com/>

The MRC, the NWSC, and the City of Everett sponsored the viewing. Keeley O'Connell of the MRC and Ginny Broadhurst of the NWSC introduced the film.

Public Education and Outreach

2010 Accomplishments

Beach Expos – Conducted a Beach Expo with local partners at Hat Island on June 12, Edmonds Olympic Beach on June 26, Mukilteo Lighthouse Beach on July 10 and Kayak Point on July 24, 2010. Participants assisted with beach clean-ups and restoration activities, explored the low tide with WSU Beach Watchers, and learned about local conservation efforts.

Starlight Beach Walks – Coordinated with local organizations to present four starlight evening low tide public beach walks at Kayak Point on February 26, Edmonds Beach on February 24, and Mukilteo Lighthouse Park on January 26 and December 3, 2010. Visitors were treated to amazing sights of intertidal life.

Landowner Workshops – Held two workshops for shoreline and bluff landowners in Stanwood and Tulalip. The MRC partnered with WSU Snohomish County Extension, Tulalip Tribes and Snohomish County SWM and Conservation District to teach over 60 individuals about water quality improvements, erosion control, natural yard care and more!



Above: Hat Island Beach Expo



Above: 2010 Beach Watchers

2010 Work Plan Highlights

Sound Stewardship Program Support

The MRC partnered with People For Puget Sound on their Sound Stewardship Program. This program trains citizen volunteers in restoration and monitoring techniques in return for at least 40 hours of volunteer service at four sites in Snohomish County: Jetty Island, Picnic Point, Kayak Point, and Union Slough.

The MRC continues to assist with restoration efforts at Picnic Point County Park by working on a management plan and coordinating work parties with Sound Stewards for invasive ivy removal. Snohomish County MRC Intern, Tom Carter, assisted with organizing several work parties. In the summer of 2010, 40 individuals worked to clear 40 square meters.

NWSC Benchmarks Achieved:

Marine Habitat, Education and Outreach

Washington State University Snohomish County Extension Beach Watchers

The MRC continued partnership and funding support for the WSU Snohomish County Extension Beach Watchers Program in 2010. In May 2010, 21 newly trained Beach Watchers joined the ranks of over 80 dedicated volunteers. These volunteers contributed over 5,400 hours of service, resulting in over 10,000 face-to-face contacts.

These knowledgeable volunteers are active in education programs, research and monitoring projects, stewardship programs, and advisory committees.

In 2010, Beach Watchers actively contributed to MRC Projects. Throughout the year, these volunteers were found conducting monitoring at Kayak Point Park, collecting mussels for Mussel Watch, and sharing their love and knowledge of marine resources with citizens from across the county.

Dungeness Crabber Education & Stewardship

2010 Accomplishments

Derelict Gear – There were 168 web hits on the YouTube video *Derelict Gear – What can you Do?* created by high school student volunteer, Taylor Brown (<http://www.youtube.com/watch?v=DutjF2TMBC0>). The video contained information on crab pot escape cords and derelict gear.

Gravid Female Dungeness Crab Habitat Study – The MRC coordinated with staff from WDFW, Tulalip Tribes, and Snohomish County GIS staff to develop habitat maps and a draft summary report to conclude this project. Maps were created with catch data, sediment type, slope, and eelgrass beds to assess whether there is a correlation between specific habitat types and brooding sites. The report has not yet been published.

2010 Work Plan Highlights

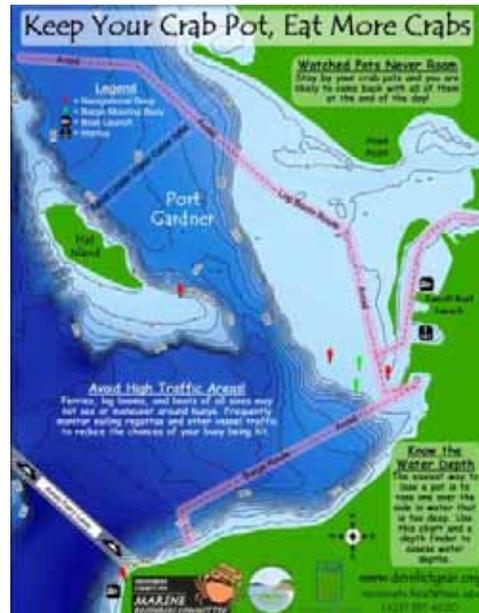
Dungeness Crabber Education

In 2010, the Dungeness Crabber subcommittee continued to work on new outreach materials and messages aimed at affecting behavior change to reduce the number of recreational crab pots lost in Port Susan, Possession Sound and Port Gardner during the 2010 crabbing season. The principle outreach message was “Keep Your Crab Pot, Eat More Crabs.”

To convey this message, a laminated nautical chart was developed. The chart features reminders for best management practices and notes potential hazards that can increase the likelihood of pot loss. Twenty-six education volunteers were trained on these practices and worked throughout the crabbing season to connect with recreational crabbers. Over 1,400 of the nautical charts were distributed and 1,700 recreational crabbers reached at boat launches, sporting good stores, and area parks. Volunteers spoke with crabbers about hazards and best practices to avoid losing crab pots. These face-to-face contacts are essential to reducing the number of crab pots lost annually in Puget Sound. Andrea Hennings presented a summary of this project to the NWSC on September 25, 2010.

NWSC Benchmarks Achieved:

Education & Outreach, Marine Life, Marine Habitat



Above: Recreational Crabber Nautical Chart

Did you know?

12,000 crab pots are lost in Puget Sound each year. Those pots catch and kill 129,000 harvestable crabs.

Nearshore Habitat Protection & Restoration

2010 Accomplishments

Nearshore Sediment Study – In the Snohomish River Basin, the restoration of juvenile Chinook rearing habitat in the nearshore has been identified as a high priority action needed for salmon recovery. This project will help address the need to identify, locate, and advance restoration in the nearshore area, targeting potential projects located south of the Snohomish River mouth, along the railroad-impounded shoreline.

In 2010, project partners began planning the first of three stakeholder meetings. A collaborative stakeholder process will be used to identify and address concerns, ideas, and priorities for restoration of the nearshore between the cities of Mukilteo and Everett. A technical assessment will be used to evaluate the physical characteristics and biological potential of proposed sites. Potential restoration actions will likely create ultimate shoreforms (e.g., beach creation) or replicate disrupted processes (e.g., develop a sediment management policy for landslide material on the rail lines).



Above: Railroad bulkhead during low tide

2010 Work Plan Highlights

Kayak Point County Park Restoration

MRC staff and Snohomish County Parks reviewed Coastal Geologic Services' (CGS) 100% restoration design in early 2010. The design included removal of a portion of the bulkhead, relocating the road landward, installing a storm berm to mimic natural processes and facilitate sediment transport processes, and guideline for restoring the backshore area with native plants.

The second of two Visioning Workshops was held on March 31, 2010 to gather public input on the conceptual design options. In response to concerns over the possible inclusion of a barrier lagoon, the MRC and People For Puget Sound funded a study to assess the feasibility of this restoration option. CGS will complete the study in March 2011.

Snohomish County Parks has incorporated CGS's restoration design into a redesign of the day use area of Kayak Point Park.

NWSC Benchmarks Achieved:

Marine Habitat, Science, Education & Outreach

Left: Two conceptual designs for Kayak Point Regional Park Restoration



Port Susan Marine Stewardship Area



Left: Port Susan Bay



Right: Port Susan MSA Science Workshop

Port Susan Marine Stewardship Area Science Workshop

For the development of a community-based marine stewardship plan for the proposed Port Susan Marine Stewardship Area, the CAP process involves identifying biodiversity targets. These targets can be used to assess ecosystem recovery.

On January 27, 2010, more than 40 scientists with local knowledge of Port Susan gathered to identify seven targets that encompass the range of biodiversity in Port Susan. The targets identified were shorebirds, Chinook salmon, forage fish, bivalve, crustaceans, beaches, and river delta. Key indicators of the current status of each target were also identified. After the workshop, available data were evaluated using CAP criteria and the health of each target was determined. Through this process the overall biodiversity health of Port Susan was determined to be fair (out of very good, good, fair, and poor).

NWSC Benchmarks Achieved:

Education & Outreach, Science, Marine Habitat, Marine Life, Marine Water Quality

Port Susan Marine Stewardship Area Threats Workshop

Continuing with the CAP process, over 30 resource managers representing 20 organizations gathered on October 19-20, 2010 to discuss the threats to the Port Susan Marine Ecosystem.

During the two-day workshop, participants worked diligently to identify threats to the ecosystem targets, and come to consensus on critical threats to ecosystem biodiversity. Threats were identified through a collaborative process to identify stresses and the sources of each stress to the targets. The top five critical threats identified across targets are bank hardening, development, levee maintenance, incompatible agricultural practices, and spills.

The targets and associated threats will be used in the development the marine stewardship plan. This will lead to a greater understanding of the marine environment and ensure Port Susan Bay continues to provide diverse benefits for all people.



Above: Port Susan MSA Threats Workshop, held at Warm Beach Camp



Above: Port Susan MSA Threats Workshop Stakeholders

Marine Water Quality

2010 Accomplishments

Oil Spill Prevention and Preparedness – Snohomish County Surface Water Management in partnership with the MRC sponsored a University of Washington Environmental Management Certificate Program Keystone Project. The team of students and advisors began work in the fall of 2010 to assess the county's marine oil spill prevention and preparedness and develop options for decreasing the potential risks of oil spills into Snohomish County's marine waters. Upon project completion in March 2011, the team will develop recommendations that will be assessed in terms of feasibility, legality, implementation ease, and cost.

Washington State Mussel Watch Pilot Project – The MRC worked with regional project partners from Washington Department of Fish and Wildlife (WDFW) and Washington Sea Grant to write a report regarding the regional expansion of the Mussel Watch program. The expansion project modeled Snohomish County's Mussel Watch program. Mussels were successfully sampled at over 25 sites across Western Washington by citizen scientists from local volunteer groups and WDFW. The completed report is available at: <http://wdfw.wa.gov/publications/pub.php?id=01127>.



Above: Mussel Watch sampling at Everett CEMEX site



Above: A MRC member shares mussel watch data at the SETAC conference

2010 Work Plan Highlights

Snohomish County Mussel Watch

In January 2010, local volunteers joined MRC members to collect mussels at seven sites in Snohomish County. The Snohomish County Mussel Watch program collects mussel samples that are analyzed for chemical contaminants to monitor marine water quality. This program is a part of NOAA's Mussel Watch program.

NOAA's Mussel Watch program is one of the longest running continuous coastal monitoring programs in the nation. Snohomish County's program contributes to this invaluable time series.

NWSC Benchmarks Achieved:

Marine Water Quality, Science, Education & Outreach

Pacific NW Society of Environmental Toxicology and Chemistry (SETAC)

Kathleen Herrmann and Kate Litle presented "Washington Mussel Watch: A Citizen Science Collaboration" at the 19th annual SETAC meeting in April. The presentation highlighted the successful regional expansion of the Mussel Watch program based on Snohomish County's model of involving citizen scientists.

The presentation was well received and provided MRC members and staff the opportunity to discuss the Mussel Watch program and emerging data trends. Presenters focused on data from the Port Townsend sampling locations to highlight the regional extent and value of this program.

Administrative Tasks

MRC Staffing

MRC staff continues to balance the current MRC workload as multiple Surface Water Management (SWM) staff positions with impacts on the MRC were vacated in 2010. Lead Staff has been required to coordinate more projects than was originally planned.

MRC Meetings and Communication

MRC Staff have worked to arrange and staff MRC meetings, facilitate meeting and training logistics, and write meeting minutes for 2010. MRC staff maintained phone & email contact with the MRC, MRC subcommittees, Executive committee, staff, contractors, local community groups, volunteers and the public.

Snohomish County MRC's NWSC Representative and/or Designated Alternate attended NWSC meetings on January 29, February 25-26, March 26, April 23, May 21, June 25, July 30, August 27, September 25, and December 10, 2010.

Nine Snohomish County MRC members and the two current MRC staff attended the NWSC conference on Orcas Island on November 5-6, 2010.

Grant Administration

MRC Staff drafted and submitted progress reports to the Northwest Straits Commission and developed and tracked the MRC budget.

The MRC applied jointly with Island County MRC for and received NWSC 2010 Benchmark funds for the Port Susan Marine Stewardship Area Conservation Action Planning (CAP). These funds will be used to facilitate the first stages of the CAP process. The process will guide project planners toward developing strategies for whole ecosystem recovery.

MRC Web Site

The MRC website was updated regularly with meeting dates and minutes, current events, and contacts. MRC staff, with assistance from the NWSC, began development of a new MRC website through Mindfly Website Design Studios. The website will be more user-friendly and will use technologically and graphically advanced webpage software.

Training

See Attachment A for details.

Accomplishments

Andrea Hennings, a Washington Conservation Corps Individual Placement (WCC IP), completed her year of service to the MRC in September. Andrea capably contributed to many projects especially the Recreational Crabber Education Project.

Tom Carter, a Veteran Conservation Corps Individual Placement (VCC IP), served the MRC for six months. Tom worked diligently to develop and revise the strategic plan and assist with Picnic Point restoration work. Tom continues his MRC work through the UW Environmental Management Certificate project on Oil Spill Response and Preparedness in Snohomish County.

The MRC continued development of a 2011-2016 strategic plan designed to guide current and future MRC efforts and projects. The MRC will finalize this plan in early 2011.



Above: Jerry Masters presented "Northwest Straits 101" at the NWSC conference

Opportunities for Improvement in 2011

Administrative

The 2011 grant application process will give the MRC an opportunity to assess staff time and capacity needed for each project. MRC Staff struggle to balance competing needs for staff time and project priorities. Even with dedicated project champions, staff time is needed for project management.

The MRC web page is deeply embedded in the county website. This has made it difficult for visitors to access the provided information. Furthermore, the website framework limits the type and manner in which information can be presented. The development of a MRC website, hosted by the NWSC, will provide the opportunity to address these concerns and facilitate the MRC's ability to provide current information on projects and events to site visitors.

Dungeness Crab Stewardship

This was the first year that volunteers were asked to educate recreational crabbers on multiple best management practices for crabbing. Given the increased complexity of the messages, more time should be allotted for future trainings for volunteers.

A better method for incorporating the distribution of free escape cord packets with the nautical chart is needed. Additionally, feedback from the 2010 crabbing season and WDFW education plans should be incorporated into the 2011 outreach materials.



Marine Water Quality

Data from laboratory analysis have not been received from the previous two season's samplings (August 2009 and January-March 2010). Due to the Deepwater Horizon Oil Spill in the Gulf of Mexico, the NOAA Mussel Watch program has prioritized sample analysis for Gulf of Mexico sites. Significant delays in obtaining data from TDI Brooks are likely.

As data are made available, the Mussel Watch subcommittee will focus efforts on analysis and disseminating the results to resource management staff in the County and the public. A key component of this citizen science project is to use data to inform MRC understanding of chemical contaminants and target priorities for reducing contamination of Snohomish County marine waters.

Mussel populations were insufficient for sampling at the Puget Sound Edmonds Marina and Puget Sound Kayak Point Mussel Watch sites. These sites will be reintroduced to the sampling schedule when populations rebound.

Nearshore Sediment Study

This project was delayed when the original project manager resigned from Snohomish County. The project management duties were divided between the MRC Staff, Kathleen Herrmann, and Surface Water Engineer, Dave Lucas. Both staff members continue to face heavy workloads as neither staff intended to lead this effort. Workload issues will continue to be difficult for all the project team to overcome, since replacement staff was not hired. The project, however, is now on track and planning for three stakeholder workshops to be held in 2011 is underway.

Left: MRC WCC IP, Andrea Hennings with the MRC display at the Kayak Point Beach Expo

Recommendations to Snohomish County Executive & Council

The Snohomish County Marine Resources Advisory Committee presents the following recommendations for consideration by the Snohomish County Council and Executive. These include actions that Council and/or the Executive could take, in addition to general support of the current MRC work program. The MRC welcomes further discussion of these recommendations.

Primary Recommendations

1. Maintain dedicated, stable funding source and staff for the Marine Resources Advisory Committee. With more than 7,000 volunteer hours donated to this program in 2010 by Snohomish County citizens, the projects supported by the MRC are prime examples of the public/private partnerships we need to encourage for effective, sustainable stewardship of our marine resources.
2. Endorse the MRC's role in the Port Susan Marine Stewardship Area (MSA) Working Group that is merging the concerns of more than 40 local stakeholders of economic and environmental interests with the needs of county, state and tribal governments to establish a community-supported MSA resulting in effective policy implementation with on-the-ground activities.
3. Prioritize marine resource stewardship in departmental work plans, budget development, and local and regional initiatives, such as transportation and economic development.
4. Adopt the Snohomish County's Shorelines Management Master Program.
5. Ensure marine shoreline development projects in Snohomish County are coordinated with respect to mitigation of comprehensive and cumulative effects on our shoreline and marine resources.
6. Support partner and agency efforts to protect and restore marine shoreline habitat.

Additional Recommendations

Public Involvement and Education

1. Continue to encourage citizen involvement in marine resource monitoring and protection opportunities. The leadership of our County Executive and County Council in promoting this type of stewardship is critical to our success with public education about our marine environment.
2. Expand partnerships with agencies, tribes, municipalities, universities, community colleges, non-profit organizations and citizen groups.



Above: Partnerships with local agencies help make the work of the MRC possible. Here the Snohomish County Sheriff's Department contributed their services and boat to take Mussel Watch volunteers to the sampling site on Hat Island.

Recommendations to Snohomish County Executive & Council

Dungeness Crab Stewardship/Derelict Gear Removal

1. Expand partnerships with agencies, tribes, municipalities, universities, community colleges, non-profit organizations and citizen groups to protect and restore Dungeness crab habitat while recommending appropriate harvest regulations.
2. Support statewide development of a Priority Habitat & Species designation for Dungeness crab habitat.
3. Support the efforts of the Northwest Straits Initiative to complete the removal of derelict fishing gear in local waters.



Above: A fraction of the 142 birds removed from a single derelict fishing net removed from Port Susan in June 2008. The net contained a total of 1634 animals including birds, fish, invertebrates, and a harbor seal.

Nearshore Habitat Protection and Restoration

1. Support partnerships targeted to protect and restore marine shoreline habitat.
2. Design and implement nearshore habitat restoration capital projects, especially soft shore protection demonstration projects.
3. Address the impact of climate change and anticipated sea level rise on marine resources. Snohomish County landowners living and working along the marine shoreline expect the County's Shoreline Management Master Program to provide solutions.
4. Support the Nearshore Sediment Study restoration design in process for the nearshore between the Cities of Mukilteo and Everett.
5. Support the restoration of the nearshore habitat at Kayak Point Regional Park.
6. Support the full restoration of Smith Island Tidal Marsh Restoration Project.

Marine Water Quality

1. Support the recommendations put forth by the UW Environmental Management evaluation of Oil Spill Risk and Preparedness in Snohomish County.
2. Monitor the development of Washington's administrative rules that will implement new legislation for on-water fuel spill prevention.

Regional Puget Sound Conservation Efforts

1. Continue to participate in the Puget Sound Partnership's Ecosystem Coordination Board and serve a leadership role in the Whidbey Island Action Area to improve Puget Sound's health and enhance Snohomish County citizens' quality of life.

Acknowledgements

The accomplishments and current activities of the Snohomish County MRC depend on contributions from volunteers, Snohomish County staff members, and people from other organizations. Many of our MRC partners are listed below. Their interest and participation in MRC activities is greatly appreciated. We apologize for any omissions.

Snohomish County MRC Members

Jerry Masters, Chair, Valley Supply Company, General Manager
Jared Bond, Co-Vice Chair, City of Lynnwood, Environmental and Surface Water Manager
Keeley O'Connell, Co-Vice Chair, People For Puget Sound, Restoration Ecologist
Mary Cunningham, City of Everett Planning and Community Development, Senior Planner
Brent Hackney, Brent Hackney Designs, Inc., Owner
Thomas Hoban, Coast Commercial Properties

Dawn Lawrence, Archbishop Thomas Murphy HS, Biology Teacher
Lincoln Loehr, Stoel Rives LLP, Environmental Compliance Analyst
Mike McHugh, Tulalip Tribes, Shellfish Manager
Chrys Bertolotto, WSU Beach Watchers-Snohomish County Coordinator, Ex Officio position

Partial 2010 Term MRC Members:

Dena Peel, MRC Co-Vice Chair, Snohomish County PUD, Executive Account Manager

WSU Beach Watchers – Snohomish County

Brenda Adair Taylor
Jerry Anderson
Chuck Armstrong
GayLynn Beighton
Fred Benedetti
Chris Betchley
Kari Black
April Bosley
Bernie Busch
Mauricio Calderon
Dick Carlson
Mary Carlson
Dave Compton
Safaa Darwish
Pam David
Terry Dewitt-Dunshee
Lucinda Diann
Stefan Dittmar
Joan Douglas
Nancy Engen
Carol Forsberg
Harlen Forsberg
Stef Frenzl
Pat Fritch
Tom Fritch

Fred Giorgi
Arthur Haig
Mary Hamann
Maureen Hoban
Tom Hoban
Duane Hoekstra
Sue Hoekstra
Steve Johnson
Hans Judson
PJ Juttner
Barbara Keithly
Judy Killian
Elaine Knapp
Ben Lubbers
Joy Lynch
Doris Maahs
Denise Mannery
Kristine Manz
Janice Martin
Trish Mayfield
Bob McCort
Lynn McCort
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Judy Ness
David Norman
Ian Northrop
Laurel Nyquist
Margy O'Grady
James O'Neill
Bob Overstreet
Becci Oxner
Susan Rabago
Leslie Rafael
Cindy Ridgeway
David Ridgeway
John C. Robinson
Fran Van Roekel

People For Puget Sound Sound Stewards

Kenneth Allen
Darryl Aoki
Spencer Berndt
Conor Callaghan
Forrest Callaghan
Tom Catledge
Allan Chartrand
Barrett Crowe
Molly Deardorff
Marcy Doersch
Alexis Erickson
Mary Finley
Gordy Graham
Penny Green
Jeremy Grisham
Kirk Heim
Soram Hong
Becky Hudson
Amy Johnson
Charles Johnstone
Laura Jungbauer
Katie Kelleher
Amy Kilian

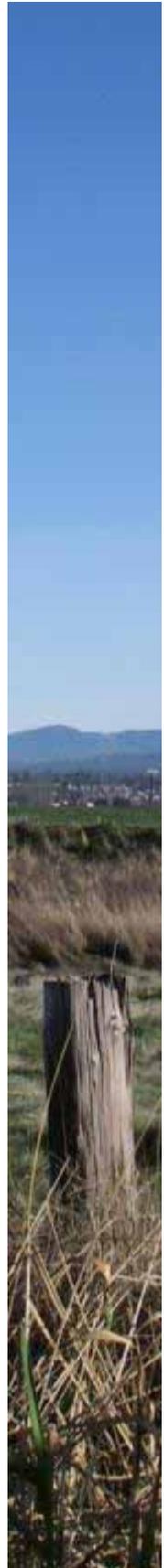
Public Involvement and Education

WSU Snohomish County Extension Beach
Watchers
People For Puget Sound Sound Stewards
Scott Chase, WSU Camano Island Beach
Watchers
Amy Johnson, Center for Service Learning,
Edmonds Community College
Sally Lider, City of Edmonds

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Judi Schwarz
Pat Smith
Rose Soch
Laura Spehar
Kathe Stanness
Jacquelyn Styrna
Steve Swartz
Susan Tarpley
Phillip Taylor
Ann Uhl
Carol Williams
Bea Wilson
Craig Wollam

Paul Koenig
Carolyn Landel
Hans Landel
Jack Lockhart
Ben Lubbers
Janice Martin
Veronica McGowan
Scott Minckler
Matthew Moore
Alisa Muntz
Kerrie Murphy
Tom Murphy
Viet Nguyen
Lynda Olson-Rudolph
Jeff Rothenburg
Elle Rudolph
Jill Ryan
Allison Sayre
Pamela Silimperi
Laura Spehar
Paul Spehar
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Wendi Werner

Curt Moulton, WSU Extension
Snohomish County
Keeley O'Connell, People For
Puget Sound
Francesca Perez, Stillaguamish
Tribe
Maria Calvi, Tulalip Tribes



Dungeness Crab Stewardship

Tom Murphy, LEAF Program, Edmonds
Community College
Recreational Crabber Education Volunteers
Escape Cord Education Volunteers
Tom Cowan, Northwest Straits Foundation
Don Velasquez, Washington Department of
Fish and Wildlife

Don Rothaus, Washington
Department of Fish and
Wildlife
Jeff June, Natural Resources
Consultants, Inc.
Mike McHugh, Tulalip Tribes
Cathy Stanley, Tulalip Tribes

Nearshore Habitat Protection and Restoration

Snohomish Camano Eco-Network
Naval Station Everett Jetty Island
Volunteers
Hugh Shipman, Washington Department of
Ecology
Jon Houghton, Pentec Environmental
Lisa Kaufman, Department of Natural
Resources

Reg Reisenbichler, US Geological
Survey
David Roberts, Department of
Natural Resources
Todd Zackey, Tulalip Tribes
Maria Calvi, Tulalip Tribes
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Port Susan Marine Stewardship Area

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Meghan Massaua, University of Washington
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Kate Litle, Washington Sea Grant

Kit Rawson, Tulalip Tribes
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Scott Chase, WSU Extension
Island County
Tom Hoban, Snohomish MRC
Caroline Gibson, NWSC
Kat Morgan, Nature Conservancy

Marine Water Quality

WSU Snohomish County Extension Beach
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ORCA Program Students, Everett
Community College
Alan Mearns, NOAA
Ginny Broadhurst, NWSC
James West, Washington Department of
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Amy Johnson, Mussel Watch Contractor

Kate Litle, Washington Sea Grant
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Curtis Tanner, U.S. Fish and Wildlife
Service
Todd Zackey, Tulalip Tribes

Snohomish County Staff Members & Elected Officials



Public Works Department, Surface Water Management Division

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Andrea Hennings, WCC IP (former)
Tom Carter, VCC IP (former)
Sean Edwards, Senior Planner
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Scott Moore, Native Plant Steward
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Department of Parks and Recreation

Tom Teigen, Parks Director
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Doug Dailer, Park Ranger
Dale Kolbe, Habitat Steward

Marc Krandel, Planning Supervisor
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James Yap, Senior Planner
Chris Mueller, Senior Planner

Snohomish County Executive

Aaron G. Reardon

Snohomish County 2010 Council

John Koster - District 1
Brian Sullivan, Vice Chair - District 2
Stephanie Wright - District 3
Mike Cooper, former Vice Chair- District 3
Dave Gossett - District 4
Dave Somers, Chair - District 5

**ATTACHMENT A:
SNOHOMISH COUNTY MRC
SUMMARY OF TRAINING EVENTS**

MRC members and staff participated in the following training sessions:

- **Pacific NW Society of Environmental Toxicology and Chemistry 19th Annual Meeting**
April 15-17, 2010
Attendees: Kathleen Herrmann, Andrea Hennings, and Lincoln Loehr
- **WSU Extension Facilitation Training**
May 7-8, 14, 21, 28, 2010
Attendees: Kathleen Herrmann
- **COMPASS (Communication Partnership for Science and the Sea) Workshop**
May 12, 2010
Attendees: Chrys Bertolotto, Mary Cunningham, Keeley O'Connell, Brent Hackney, Tom Hoban, Jerry Masters, Kathleen Herrmann, and Andrea Hennings
- **B-Wet Workshop: Bay-Watershed Education Training**
May 15, 2010
Attendees: Kathleen Herrmann and Andrea Hennings
- **Cumulative Impacts Workshop: Opportunities to Improve Shoreline Management in Puget Sound**
September 13-14, 2010
Attendees: Kathleen Herrmann
- **Coastal Training Program: Public Issues and Conflict Management**
September 21-22, 2010
Attendees: Kathleen Herrmann and Andrea Hennings
- **NWSC Conference**
November 5-6, 2010
Attendees: Kathleen Herrmann, Emily Whitney, Jared Bond, Chrys Bertolotto, Mary Cunningham, Brent Hackney, Tom Hoban, Lincoln Loehr, Jerry Masters, Mike McHugh, and Keeley O'Connell