



SNOHOMISH COUNTY MARINE RESOURCES ADVISORY COMMITTEE



2011 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. Authorized by Chapter 2.800 of the Snohomish County Code, the MRC advises the County Council and Executive on marine resource issues. This report outlines the MRC's accomplishments between January 1, 2011 and December 31 2011, and includes a description of current projects and recommendations for the Snohomish County Executive and Council.

MRC members represent a balance of environmental, recreational, conservation, economic and local and tribal government interests. The MRC is part of 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 Snohomish County Surface Water Management Division provides staff support for the 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 efforts to address established priorities. These priorities are guided by the MRC Strategic Plan and the NWSC Benchmarks, which include marine habitat, marine life, marine water quality, science, and education and outreach.

The MRC continues to develop a variety of partnerships with government agencies, non-profit organizations and citizen groups to share resources and improve our long-term success. An integral part of the MRC's work is public education and involvement, including the training and use of volunteers. Without the help

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

The MRC's efforts have provided a solid 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 research, outreach, 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 in Puget Sound and the citizens of Snohomish County in 2012 and beyond.



Above: The annual MRC summer picnic and crab feast at the Hoban's home.

Successes and Highlights of 2011

Volunteer Hours

A combined total of 9,907 volunteer and in-kind support hours were leveraged through the work of the Snohomish Marine Resources Committee (1990 hrs), Port Susan Marine Stewardship Area Team and supporting staff (1243 hrs), and the WSU Snohomish County Extension Beach Watchers (6674 hrs). These volunteer hours indicate a high level of community support.



Above: December 6, 2011 joint meeting of the Island and Snohomish County MRCs.

Port Susan Marine Stewardship Area

In 2011, work on the Port Susan Marine Stewardship Area (MSA) culminated in the completion of Phase I of the Conservation Action Plan. The plan defines a community vision for the enhanced stewardship of Port Susan. It builds on the knowledge of scientists and community members and the foundation of existing management plans. Project leaders from the Snohomish and Island County MRCs, Tulalip Tribes, Washington Sea Grant, The Nature Conservancy, and the Stillaguamish Tribe have worked diligently to develop the plan contributing 1243 volunteer and in-kind support hours in 2011.

On December 6, 2011, in a unanimous joint motion, both the Snohomish and Island County MRCs voted to endorse the Port Susan MSA plan and to take it to their elected officials for approval. The final plan will be available on the Snohomish County MRC webpage.

Nearshore Sediment Study

In 2011, a collaborative stakeholder process was used by Snohomish County and the MRC to guide the development of nearshore restoration between Mukilteo and Everett. The process led to two distinct projects; a beach restoration at Howarth Park and sediment nourishment at three key locations. As a result of the collaborative nature of the project, a source of sediment for the beach nourishment project was identified.

In a permit letter to the U.S. Army Corps of Engineers, NOAA included the sites identified through this project as a recommended use for clean dredge material from the Snohomish River. This permit letter is an example of the benefit of collaborative partnerships to move restoration projects forward in the nearshore environment.



Above: Railroad bulkhead during low tide.

Public Education and Outreach

2011 Accomplishments

Beach Expos – MRC members & staff with local partners participated in three Beach Expos; Hat Island on July 16, Mukilteo Lighthouse Park on July 30 and Kayak Point Park on August 13, 2011. Beach visitors assisted with beach clean-ups, explored the beach at low tide, and learned about local conservation efforts.

Landowner Workshop – On March 5, 2011 a workshop was held for bluff residents in the Picnic Point/Meadowdale area. The MRC partnered with WSU Snohomish County Extension to teach 65 individuals about erosion control, vegetation management, coastal processes and more.

Seal Sitter Training and Marine Mammal Signs – On December 5, 2011, the MRC sponsored a volunteer training through WSU Snohomish County Extension for the expansion of the Marine Mammal Stranding Network in Snohomish County. Over 50 participants learned how to respond to seal pups found on the beach. Signs were purchased for installation at local beaches to provide information about marine mammals.

Sound Living – The MRC sponsored the WSU Snohomish County Extension Beach Watchers' event "Sound Living: A One-day 'Communiversities' Exploring the Connections between Water, Land, and People". The event was attended by over 150 people and featured an introduction by Dave Somers.



Above: MRC member Brent Hackney presents tips to avoid crab pot loss at the Hat Island Beach Expo.



Above: Landowner workshop attendees apply their learning in the field.

2011 Work Plan Highlights

Education and Outreach Subcommittee

The MRC established an Education and Outreach Subcommittee to plan key education and outreach actions around a variety of audiences, messages and resources. The subcommittee led interviews with each MRC project lead to update MRC members on project happenings and establish areas where the subcommittee may assist with project messaging and outreach support. During the interviews, project leads shared interesting facts related to the projects.

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 2011. Thirteen Beach Watchers graduated from the 2011 training program and became involved in MRC projects and other local efforts. Beach Watcher volunteers contributed 6,674 hours of service.

NWSC Benchmarks Achieved: Education and Outreach

Dungeness Crabber Education & Stewardship

2011 Accomplishments

Derelict Crab Pot Removal – On May 3, 2011, MRC chair, Jared Bond, and staff, Kathleen Herrmann joined Ginny Broadhurst, NWSI Director, and the crew of the *R/V Surveyor II* to participate in removing derelict crab pots from Port Gardner with \$50,000 in funding from WDFW. The effort resulted in the removal of 143 of the 163 derelict crab pots identified in the area by sidescan sonar. The majority of these pots accumulated since derelict gear was last removed from the project area in 2009. Research shows a single derelict pot can trap and kill an average of 22 harvestable crabs per year. Removing derelict gear helps restore critical marine habitat and provides more Dungeness crab for harvest.



The derelict gear removal was featured on the front page of the *Everett Herald* on May 13, 2011.



Above: Derelict crab pots recovered from Port Gardner in May 2011.

2011 Work Plan Highlights

Dungeness Crabber Education

During the summer crabbing season, the MRC partnered with WDFW and WSU Snohomish County Extension Beach Watchers to distribute outreach materials aimed at affecting behavior change to reduce the number of recreational crab pots lost and increase regulation compliance.

WDFW provided packets containing escape cord, a crab gauge, and informational handouts to which the MRC added the "Keep Your Crab Pot, Eat More Crab" nautical chart. The chart, printed on Rite-in-the-Rain paper, features best management practices to reduce the number of lost crab pots.

With the help of Beach Watchers over 1,500 packets were distributed in Snohomish County in the first two weeks of the season alone. Packets were distributed at local boat launches and marinas, sporting good stores, and events. Crabbers were receptive to the information and the free crab gauge and escape cord.

Did you know?

A record 10 million pounds of crab were caught during 2011 crabbing season in Puget Sound!

NWSC Benchmarks Achieved:

Education & Outreach, Marine Life, Marine Habitat

Nearshore Habitat Protection & Restoration

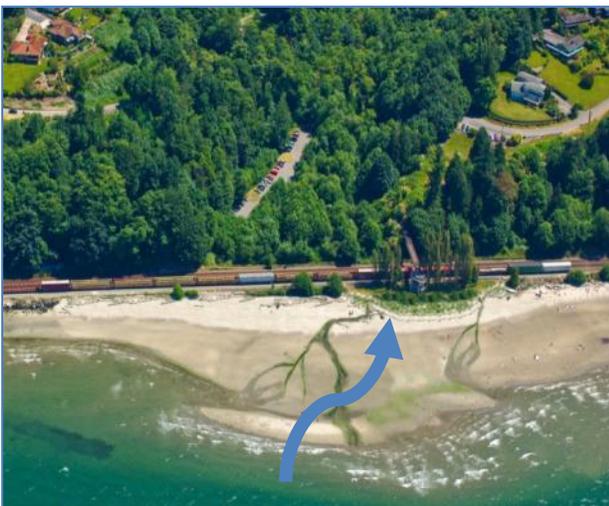
2011 Accomplishments

Nearshore Sediment Study – In 2011, three stakeholder meetings were held to identify and address ideas and priorities for restoration of the nearshore along the railroad-impounded shoreline between Mukilteo and Everett. In conjunction with this collaborative process, Anchor QEA conducted a technical assessment to evaluate the physical characteristics and biological potential of restoration at the proposed sites.

Two restoration projects were selected for development of a 30% design, including a beach restoration of Howarth Park and sediment nourishment at three key locations. Draft 30% designs were received in December 2011 and are currently under review.

The project team continues to work with a diverse group of stakeholders to complete the design and implement the project. Significant progress has been made with NOAA, the U.S. Army Corps of Engineers, the Port of Everett, the City of Everett, and the Tulalip Tribes to move the project forward.

NWSC Benchmarks Achieved:
Marine Habitat, Science



Above: Artist's rendering of the potential restoration project to remove riprap from the beach at Howarth Park in Everett.

2011 Work Plan Highlights

Kayak Point County Park Restoration

In 2011, the MRC and People For Puget Sound funded a study to assess the feasibility of including a barrier lagoon in the park restoration design. The study indicated the entrance from Puget Sound to the proposed 0.6-acre and even a larger 1.0-acre lagoon would likely open and close intermittently. Thus, regular maintenance of the lagoon opening would be required to provide the intended benefit to juvenile salmon. The project could be part of a larger park restoration should grant funding be secured.

The MRC will maintain a relationship with the Snohomish County Parks Department and look for ways to support further restoration and enhancement of the park for both listed species and human visitors.

NWSC Benchmarks Achieved:

Marine Habitat, Science, Education & Outreach



Above: Forage fish training with Dan Penttila.

Forage Fish Spawning Surveys

In conjunction with the Nearshore Sediment Study, the MRC is conducting pre-restoration monitoring of potential forage fish spawning within the project reach. Samples collected between October 2011 and February 2012 will look for the presence or absence of Surf smelt and Sand lance eggs. The results of the surveys will provide baseline data for the proposed restoration activities. Key partners include WSU Snohomish County Extension Beach Watchers, Dan Penttila, and Pentec Environmental.

Port Susan Marine Stewardship Area



Above: Shorebirds in Port Susan Bay.

Port Susan Marine Stewardship Area Conservation Action Plan

The Nature Conservancy's Conservation Action Planning (CAP) approach has guided the development of a stewardship plan over the past five years. The plan aims to achieve a healthy marine and estuarine ecosystem with thriving biodiversity and strong recreational and resource based industries.

The project team used local and scientific knowledge to determine ecosystem recovery targets, threats and strategies in partnership with over 100 stakeholders. On March 30-31, 2011, conservation strategies were developed for each target at a workshop attended by over 30 stakeholders, scientists, and resource managers.

At the workshop, 10 SMART objectives and 27 strategic actions were developed. These strategies were reviewed and then presented for input at the public workshops in July. The Phase I plan including target viabilities, threats and strategies was completed in December 2011.

In Phase II, the project team will work with project partners to initiate strategy implementation and develop measures to monitor progress and adapt the plan as necessary. A \$70,000 grant from the EPA will facilitate this effort.

NWSC Benchmarks Achieved:

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

What is a Marine Stewardship Area?

A Marine Stewardship Area (MSA) is a non-regulatory conservation designation that works to generate responsibility within relevant authorities and users of marine environments for the conservation of natural, cultural, and scenic values.

Port Susan Marine Stewardship Area Public Workshops

In January and July 2011, four public workshops were held in the Camano Island and Stanwood areas to allow local citizens to learn more about the effort to create a MSA and contribute their thoughts and ideas to the planning process. Over 120 citizens attended the workshops and provided valuable feedback. Public input was incorporated into the stewardship plan to ensure that the plan meets the needs of the community.



The workshops were highlighted in several local newspapers.



Citizen Science Project

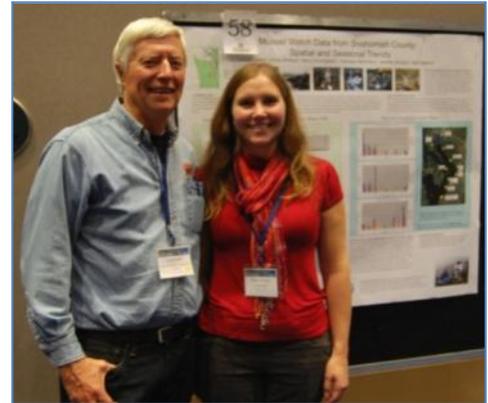
Alongside the CAP process, a citizen science project was developed to address knowledge gaps in understanding of the structures, land use and riparian canopy of the upper beaches in Port Susan. Data was collected by a group of WSU Extension Beach Watchers in Island and Snohomish County who walked 62,694 feet of shoreline in summer 2011. These data can be used to inform actions as a part of the adaptive management process of the MSA.

Marine Water Quality

2011 Accomplishments

Oil Spill Prevention and Preparedness – In partnership with Snohomish County Surface Water Management, the MRC sponsored a Keystone Project through the University of Washington Environmental Management Certificate Program. The team of students and advisors began work in fall 2010 and completed the project in March 2011. The project report detailed the team’s research into potential oil spill threats in Snohomish County and options for proactive pre-spill measures to reduce the impact of spills on the marine environment. The options were evaluated in terms of effectiveness and capacity. Public Works Director, Steve Thomsen, is working with the Snohomish County Department of Emergency Management to implement several recommendations.

Mussel Watch Sample Collection - In January and February 2011, volunteers and MRC members collected mussels from four sites in Snohomish County. The samples were sent to a laboratory for analysis of over 200 contaminants, including pesticides, metals, PCBs and PAHs. Data from this program are used to monitor chemical contaminant trends in Snohomish County marine waters.



Above: MRC member Lincoln Loehr and staff Kathleen Herrmann at the Salish Sea Conference.



Above: Mussel Watch sampling at Hat Island on February 22, 2011.

2011 Work Plan Highlights

Snohomish County Mussel Watch

Following sample collection in early 2011, the Mussel Watch Subcommittee completed a two-year report detailing contaminant levels in Snohomish County marine waters. The report analyzes contaminant level data from 2006-2009 collected from mussels at eight sites in Snohomish County. The data show spatial differences between the more rural Port Susan in the north and the more developed areas in the southern portion of the County. Generally, contaminants are found at lower levels in the north compared to south Snohomish County. Contaminant levels also vary between wet and dry seasons. The report was distributed to project partners including NOAA’s National Mussel Watch coordinators. Learn about specific contaminants and view graphs in the complete report, available on the MRC website.

Mussel Watch Outreach

In 2011, presentations were given to the WSU Snohomish County Extension Beach Watchers, the Stillaguamish Clean Water District and at the community event Sound Living. A poster was presented at the Salish Sea Ecosystem Conference held in Vancouver, B.C. The MRC display also summarizes the project and preliminary findings.

These presentations provided MRC members and staff the opportunity to discuss the Mussel Watch program and emerging data trends in Snohomish County marine waters with members of the local community and beyond.

NWSC Benchmarks Achieved:

Marine Water Quality, Science, Education & Outreach

Administrative Tasks

MRC Staffing

MRC staff are continually appreciative of the support of Snohomish County Public Works and Surface Water Management for the Marine Resources Program. Beyond the MRC Program Manager and Lead Staff, Kathleen Herrmann, and Program Assistant, Emily Whitney, many SWM Employees contribute time and expertise to MRC projects.

MRC Meetings and Communication

MRC staff arranged MRC meetings, facilitated meeting and training logistics, and wrote meeting minutes in 2011. Staff maintained phone & email contact with MRC members and subcommittees, staff and interns, contractors, local community groups, volunteers and the public.

The MRC's NWSC Representative and/or the Designated Alternate attended NWSC meetings on January 21, February 24-25, March 25, April 29, June 24, July 29, August 26, September 30 and November 4, 2011.

Eight Snohomish County MRC members and two MRC staff attended the NWSC conference in Port Townsend on December 2-3, 2011.

Grant Administration

MRC staff drafted and submitted progress reports, detailed deliverable task reports, all associated pictures and hardcopies to the Northwest Straits Commission and developed and tracked the MRC budget.

The MRC received two additional grants for Port Susan; a \$70,000 grant from the EPA and a \$90,000 grant from WDFW/WDNR.

MRC Subcommittees

There are four subcommittees which meet quarterly; including the Executive, Education & Outreach, Crabber Education, and Mussel Watch subcommittees.

Strategic Plan

The MRC voted unanimously to adopt the 2011-2016 Strategic Plan. The plan guides current and future MRC projects and efforts.

Snohomish County MRC Annual Report
February 2012

MRC Web Site

The MRC launched a new website in April 2011. The site was designed through Mindfly Web Design Studio with assistance from the NWSC. The site features a user-friendly interface and individual project pages. It is regularly updated with events, project progress and interesting marine-related information. The site received 1,600 visits in 2011.



Above: MRC webpage at www.snocomrc.org.

MRC Members

The MRC honors the memory of Dawn Lawrence, a long-time member and former chair. Dawn passed away in November 2011.

Mary Cunningham completed her third term with the MRC. In her eight years of service, Mary contributed her time, knowledge, and passion for the marine environment.

Brandon Jensen and Simon Geerlofs were appointed to the MRC in January 2011 to represent recreational and conservation interests respectively. Following a brief term as co-vice chair, Brandon resigned to accept a job in Colorado.

Cathy Stanley and Franchesca Perez were appointed to the MRC in August 2011. Cathy will represent the Tulalip Tribes as former representative, Mike McHugh, resigned to serve on the Clean Water District Board. Franchesca will represent the Stillaguamish Tribe.

MRC Member Training

See Attachment A for details.

Opportunities for 2012

Administrative

The 2011 grant application process gave the MRC experience in ranking the projects submitted to the committee. As grant funds become more competitive, the MRC will work to continue its reputation for high quality projects. The quality of MRC projects was evident as our targeted outreach proposal in Port Susan was funded and ranked #2 in the WDFW Marine and Nearshore Competitive Grant Process.

Derelict Gear Prevention

In addition to the 12,000 crab pots lost annually in Puget Sound, derelict nets can also negatively impact marine life and habitat. Over 240 different species have been found in derelict nets. As the MRC has partnered with WSU Beach Watchers to share practices to minimize crab pot loss, the NWSI has worked to remove derelict fishing nets throughout the Salish Sea. The NWSI has removed 4,081 nets including 5 nets from high priority areas in Snohomish County.

The NWSI calculates a cost of \$190 to remove a single derelict crab pot. This high cost emphasizes the value of prevention. Continued outreach efforts are needed to promote best management practices to prevent crab pot loss and reduce derelict gear within Snohomish County waters and throughout the Salish Sea.

Crabber Education Grant Funding

Unfortunately due to state budget cuts, the grant to fund the Crabber Education Program was revoked by the State in late 2011. The MRC will continue to work with WSU Snohomish County Extension Beach Watchers and WDFW to find funding for this important project.

Marine Water Quality

Data from laboratory analysis have not been received from the previous two season's samplings (winter 2010 and 2011). There have been significant delays in obtaining data from the TDI-Brooks laboratory in part due to the NOAA Mussel Watch program prioritization of samples collected from the Gulf of Mexico following the Deepwater Horizon Oil Spill.

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 the 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, Picnic Point, Mukilteo and Kayak Point Mussel Watch sites. These sites will be reintroduced to the sampling schedule when populations rebound and additional funding is available.



Above: Volunteers participating in forage fish spawning surveys.

Recommendations to the 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 sources and staff, which is essential for the Marine Resources Advisory Committee. With more than 9,900 volunteer hours donated to this program by Snohomish County citizens in 2011, 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. Support the efforts of the Northwest Straits Marine Conservation Initiative and encourage the continuation of federal funding for this nationally recognized, locally driven program.
3. Approve the resolution to officially designate Port Susan as a Marine Stewardship Area (MSA). Encourage implementation of the strategies developed in the Conservation Action Plan.
4. Prioritize marine resource stewardship in departmental work plans, budget development, and local and regional initiatives, such as transportation and economic development.
5. Adopt Snohomish County's Shorelines Management Master Program.
6. 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.
7. 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. Promote and expand partnerships with agencies, tribes, municipalities, universities, community colleges, non-profit organizations and citizen groups.



Above: Exploring the beach at the Hat Island Beach Expo.

Dungeness Crab Stewardship/Derelict Gear Removal

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



Above: Crab pot in Port Susan.

Nearshore Habitat Protection and Restoration

1. Support the recommended actions in the Nearshore Sediment Study for the marine nearshore between the Cities of Mukilteo and Everett. Continue partnership with the City of Everett, the Port of Everett, and other landowners to seek funding for project implementation.
2. Continue to support the MRC's role in the Port Susan Marine Stewardship Area (MSA) Working Group that is merging the concerns

of more than 100 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. Support partnerships targeted to protect and restore marine shoreline habitat, and encourage private ownership participation in these activities.
4. Support, encourage, and fund nearshore habitat restoration capital projects, especially softshore protection demonstration projects.
5. Acknowledge and begin to address the impact of climate change and anticipated sea level rise on marine resources.
6. Support and fund the efforts of the Parks Department and the MRC to restore the nearshore habitat at Kayak Point Regional Park.
7. Support and fund the full restoration of the Smith Island Tidal Marsh Restoration Project.

Marine Water Quality

1. Support the recommendations put forth by the UW Environmental Management/MRC evaluation of Oil Spill Risk and Preparedness in Snohomish County. Keep dialogue moving with all identified parties and encourage participation.
2. Support and endorse 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 individuals 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

Jared Bond, Chair, City of Lynnwood,
Environmental and Surface Water
Manager

Simon Geerlofs, Co-Vice Chair, Pacific
Northwest National Laboratory, Marine
Science and Policy Analyst

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, Real Estate Broker

Lincoln Loehr, Stoel Rives LLP,
Environmental Compliance Analyst

Jerry Masters, former Chair, Valley
Supply Company, General Manager

Chrys Bertolotto, WSU Beach Watchers-
Snohomish County Coordinator, Ex
Officio member

Partial 2011 Term MRC Members

Brandon Jensen, MRC Co-Vice Chair,
Pentec Environmental, Fisheries
Biologist

Dawn Lawrence, Archbishop Murphy
High School, Biology Teacher

Mike McHugh, Tulalip Tribes, Shellfish
Manager

Franchesca Perez, Stillaguamish Tribe,
Outreach Specialist/ Conservation
Planner

Cathy Stanley, Tulalip Tribes, Shellfish
Biologist

Snohomish County Marine Resources Program Staff

Kathleen Herrmann, Lead Staff

Emily Whitney, Program Assistant

Port Susan Marine Stewardship Area

Abby Hook, Tulalip Tribes

Kathleen Herrmann, Snohomish MRC Staff

Meghan Massaua, University of Washington

Caroline Gibson, NWSC

Chris Jerome, Island MRC

Chrys Bertolotto, WSU Snohomish County
Extension

Hi Bronson, Island MRC

Jen Sevigny, Stillaguamish Tribe

Jess Toro, Native Habitat Restoration

Kat Morgan, Nature Conservancy

Kate Litle, Washington Sea Grant

Kit Rawson, Tulalip Tribes

Mary Cunningham, Snohomish MRC

Michelle Wainstein, Washington Sea
Grant

Sarah D. Haynes, Island County MRC

Scott Chase, Island County Shore
Stewards

Thomas Hoban, Snohomish MRC

Dungeness Crab Stewardship

Brent Hackney, Snohomish MRC

Cathy Stanley, Tulalip Tribes

Don Rothaus, Washington Department of
Fish and Wildlife

Don Velasquez, Washington Department of
Fish and Wildlife

Jeff June, Natural Resources
Consultants, Inc.

Mike McHugh, Tulalip Tribes

Tom Cowan, Northwest Straits
Foundation

WSU Snohomish County Extension
Beach Watchers



Public Involvement and Education

Scott Chase, Island County Shore Stewards
Sally Lider, City of Edmonds
Keeley O’Connell, People For Puget Sound
People For Puget Sound Sound Stewards

Francesca Perez, Stillaguamish Tribe
WSU Snohomish County Extension
Beach Watchers

Nearshore Habitat Protection and Restoration

Brandon Jensen, Pentec Environmental
Coastal Geologic Services
Curtis Tanner, U.S. Fish and Wildlife
Service
Dan Penttila, Salish Sea Biological
Dave Lucas, Snohomish County SWM
David Michaelson, US Army Corps of
Engineers
Debbie Terwilliger, Snohomish County
SWM
Don Omsberg, BNSF
Elizabeth Derrig, Friends of the Mukilteo
Waterfront
Emily Whitney, Snohomish MRC Program
Assistant
Frank Leonetti, Snohomish County SWM
Glen Gaz, BNSF
Heather McCartney, City of Mukilteo
Hugh Shipman, Washington Department of
Ecology
Jaime Theuer, City of Mukilteo
Jeannie Balducci, Snohomish County SWM
John Engel, Snohomish County SWM
Jon Houghton, Pentec Environmental
Kathleen Herrmann, Snohomish MRC Staff
Kathy Ketteridge, Anchor QEA
Kollin Higgins, King County

Laura Arber, Washington Department of
Fish and Wildlife
LEAF Program Students, Edmonds
Community College
Lincoln Loehr, Snohomish MRC
Lisa Kaufman, Washington Department
of Natural Resources
Mark Harrison, Port of Everett
Mary Cunningham, City of Everett,
Snohomish MRC
Patricia Love, City of Mukilteo
Paul Schlenger, Anchor QEA
Pierre Bordenave, JLP Environmental
Randy Shuman, King County
Rebekah Padgett, Washington
Department of Ecology
Robert Hillmann, City of Everett
Sandy Kaduce, Friends of the Mukilteo
Waterfront
Sean Callahan, NOAA
Sharon Swan, Snohomish County Parks
Department
Snohomish Camano Eco-Network
Sue S. PaDelford, JLP Environmental
Todd Zackey, Tulalip Tribes
WSU Snohomish County Extension
Beach Watchers

Marine Water Quality

Alan Mearns, NOAA
Cathy Stanley, Tulalip Tribes
Dennis Apeti, NOAA
Emily Whitney, Snohomish MRC Program
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James West, Washington Department of
Fish and Wildlife
Jennifer Lanksbury, Washington
Department of Fish and Wildlife
Kathleen Herrmann, Snohomish MRC Staff

Lincoln Loehr, Snohomish MRC
Mary Cunningham, Snohomish MRC
Mike McHugh, Tulalip Tribes
Rutgers University Haskins Shellfish
Research Laboratory
Snohomish County Sheriff’s Department
TDI-Brooks International
WSU Snohomish County Extension
Beach Watchers

UW Environmental Management Certificate Oil Spill Team

Dr. Robert Pavia
Kathleen Herrmann
Andrea Kunz

Sara Booth
Tom Carter
Vivien Savath



Snohomish County Staff Members & Elected Officials

Public Works Department, Surface Water Management Division

Debbie Terwilleger, Director	Allison Sanders, GIS Analyst
Gregg Farris, SWM-SPA Supervisor	Scott Moore, Native Plant Steward
Mike McGuinness, SPA Supervisor (former)	Suzi Wong Swint, Senior Planner
Kathleen Herrmann, MRC Lead Staff	Tim Walls, Senior Planner
Emily Whitney, WCC IP	David Lucas, Engineer
Sean Edwards, Senior Planner	Craig Garric, Engineer
Laura Audette, GIS Analyst	Suzy Brunzell, GIS Analyst

Department of Parks and Recreation

Tom Teigen, Parks Director	Sharon Swan, Senior Planner
Jack Davidson, Senior Park Ranger	Chris Mueller, Senior Planner
Doug Dailer, Park Ranger	

Snohomish County Executive

Aaron G. Reardon

Snohomish County Council 2011

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

WSU Snohomish County Extension Beach Watchers

April Bosley	James O'Neill	Paul Olafson
Barbara Keithly	Janice Martin	Phillip Taylor
Bea Wilson	Jerry Anderson	PJ Juttner
Becci Oxner	JJ Bella	Rose Soch
Ben Lubbers	Joan Douglas	Safaa Darwish
Bernie Busch	John C. Robinson	Sandra Plush
Bob McCort	Joy Lynch	Sheila Zahnow
Bobbie Constantine	Judi Schwarz	Stefan Dittmar
Brenda Adair Taylor	Judy Ness	Steve Johnson
Brian Cleveland	Kristine Manz	Susan Rabago
Carol Forsberg	Laurel Nyquist	Susan Tarpley
Carol Williams	Leilani Howes	Thomas Murphy
Carol Winter	Leslie Rafael	Thomas Hoban
Chris Betchley	Lucinda Diann	Trish Mayfield
Cindy Ridgeway	Lynn Lichtenberg	Ursula Gallager
Craig Wollam	Lynn McCort	Wendy Oresik
Dave Compton	Margy O'Grady	
David Ridgeway	Mary Carlson	<i>Island and Skagit</i>
Denise Mannery	Mary Hamann	<i>County Beach Watchers</i>
Elaine Knapp	Mary Vanderway	Christine Langdon
Fred Benedetti	Melonique Riall	Pat Fritch
Harlen Forsberg	Nancy Engen	Tessa Bevins
Judy Killian	Pat Smith	Tom Fritch



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

MRC members and staff participated in the following training sessions in 2011:

- **Sound Waters**
February 5, 2011
Attendees: Kathleen Herrmann, Lincoln Loehr and Emily Whitney
 - **People For Puget Sound Educational Voyage**
May 13-15, 2011
Attendees: Kathleen Herrmann, Keeley O'Connell
 - **CamOcean Day**
June 18, 2011
Attendees: Thomas Hoban, Kathleen Herrmann
 - **Marine Spatial Planning Workshop**
July 28, 2011
Attendee: Kathleen Herrmann
 - **Forage Fish Spawning Survey Training with Dan Penttila**
September 29, 2011
Attendees: Chrys Bertolotto, Kathleen Herrmann, Franchesca Perez and Emily Whitney
 - **Salish Sea Conference**
October 25-27, 2011
Attendees: Lincoln Loehr, Kathleen Herrmann, Keeley O'Connell and Franchesca Perez
 - **Sound Living**
November 5, 2011
Attendees: Chrys Bertolotto, Mary Cunningham, Kathleen Herrmann, Thomas Hoban, Lincoln Loehr, Keeley O'Connell, Franchesca Perez and Emily Whitney
 - **Dissolving Before Our Eyes: The Acidification of Our Oceans, and Why It Matters to All of Us**
November 9, 2011
Attendees: Jerry Masters, Lincoln Loehr and Emily Whitney
- Kathleen Herrmann attended the Washington Sea Grant workshop on ocean acidification on November 10, 2011.
- **NWSC Conference**
December 2-3, 2011
Attendees: Jared Bond, Chrys Bertolotto, Kathleen Herrmann, Thomas Hoban, Lincoln Loehr, Jerry Masters, Cathy Stanley, Keeley O'Connell and Emily Whitney
 - **Seal Sitter Training**
December 5, 2011
Attendees: Chrys Bertolotto, Kathleen Herrmann, and Emily Whitney