



SNOHOMISH COUNTY MARINE RESOURCES ADVISORY COMMITTEE



2009 ANNUAL REPORT & RECOMMENDATIONS

Snohomish County Marine Resources Advisory Committee (MRC)

Background/Introduction

The Snohomish County Marine Resource 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, 2009 – December 31 2009, and includes a description of current projects and recommendations for the Snohomish County Executive and Council.

The MRC is composed of eleven 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, a non-partisan regional effort to protect and restore marine resources in northern Puget Sound and the Strait of Juan de Fuca. Staff support for the Snohomish County MRC is provided by the Surface Water Management Division of the Public Works Department.

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. Additionally, the MRC has developed a wide variety of partnerships with agencies, non-profit organizations and citizen groups to share resources and improve our chances for 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 to leverage funds and expand 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 2010.



Above: Gray Whale off Mission Beach, Snohomish County

Successes and Highlights of 2009

Volunteer Hours

A combined total of 4,428 volunteer hours were leveraged through the work of the Snohomish Marine Resource Committee and supporting staff. This is an amazing show of support from our local community!

Kayak Point Park Visioning Workshop

The first of two “visioning workshops” was held on November 18, 2009 at the Lake Goodwin Community Center in Stanwood, WA, obtaining public input for the recreational portion of the restoration project. Approximately 45 community members attended the workshop.

An online survey was linked from the Snohomish County Parks and People for Puget Sound websites to gauge public usage of the park and interest in the project. Feedback was compiled and combined with results from the visioning workshop to facilitate the design process.

News articles regarding the project and workshop were featured in local papers, including the Stanwood/Camano News, the Snohomish Times, and Lake Stevens Journal, and informational links were placed on the project partners’ websites. Another workshop with design options will be held in the spring of 2010.



Above: Kayak Point Visioning Workshop Breakout Group

Regional Mussel Watch

There are 26 National Mussel Watch sites in Washington surveyed biennially during the winter season. Of these national program sites, Snohomish County Marine Resource Committee volunteers, with the assistance of Stillaguamish and Tulalip Tribes are responsible for surveying eight sites in Snohomish County and one site in Island County.

Beginning in winter 2009-2010, the National Mussel Watch sites in Washington will be sampled through a joint effort of the Washington Department of Fish and Wildlife and local volunteer organizations using the model developed in Snohomish County. NOAA and Washington Sea Grant have assisted in facilitating this new citizen science effort. These volunteer groups include the Feiro Marine Life Center, Olympic Coast National Marine Sanctuary, Port Townsend Marine Science Center, Seattle Aquarium, and Grays Harbor County, Pacific County, Snohomish County, and Whatcom County Marine Resource Committees, Stillaguamish Tribe, and Tulalip Tribes. Plans for expanding the Mussel Watch Program in Washington State are currently being explored.



Above: Snohomish County MRC Members participate in Regional Mussel Watch Program

Public Education and Outreach

2009 Accomplishments

Publicity – Generated publicity for the Kayak Point Park visioning workshop, including articles Stanwood/Camano News, the Snohomish Times, and Lake Stevens Journal. An article on the Dungeness crab Escape Cord program appeared in the Seattle Times, and two articles appeared in the Everett Herald regarding the Port Gardner Bay Osprey nest relocation project.

Beach Expos – Conducted a Beach Expo with local partners at Kayak Point on August 22, 2009. Participants learned about local organizations, assisted with beach clean-ups and restoration activities, and explored the low-tide with WSU Beach Watchers.

Starlight Beach Walks – Coordinated with local organizations to hold two starlight evening low-tide public beach walks at and Kayak Point on January 9 and Edmonds Beach on February 6.

Landowner Workshops- The MRC held two workshops for marine and bluff landowners, the first in Everett on February 28th and the second in Mukilteo on March 14th. MRC partners for this project were WSU Beach Watchers, Shore Stewards, the City of Everett and the City of Mukilteo. Approximately 120 individuals attended, representing households from the areas between Everett and Edmonds.



Above: MRC partners from the Pilchuck Audubon Society were interviewed by KOMO news about the Osprey nest relocation project.



Left: A volunteer helps dig ivy at the Picnic Point County Park on "Make A Difference Day."

2009 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 on four sites in Snohomish County: Jetty Island, Picnic Point, Kayak Point, and Union Slough.

The MRC continues to lead efforts at Picnic Point County Park by working on a management plan and coordinating work parties with Sound Stewards for invasive ivy removal. Six work parties were held in 2009, where 198 volunteers removed a total of 140 square feet of ivy and planted 80 native trees and shrubs. Vegetative monitoring was completed in July, as well as two site checks during the year.

NWSC Benchmarks Achieved: Marine Habitat, Education and Outreach

Washington State University Snohomish County Extension Beach Watchers

The MRC continued partnership and partial funding of the WSU Snohomish County Extension Beach Watchers Program in 2009. In addition to the group of dedicated, long-term volunteers, 15 new Beach Watchers were also trained. 62 active Beach Watchers volunteered over 3500 hours, resulting in over 10,000 face to face contacts in a variety of settings. Their work accomplished the following project results:

- Collected needed data for agencies on marine debris, bacteria, water quality conditions, and dead bird abundance and diversity.
- Contacted over 1000 recreational crabbers through the Escape Cord Outreach Program
- Completed a survey of pre-restoration conditions at Kayak Point Regional Park.
- Increased the appreciation and understanding of our marine resources with thousands of youth and adults at several marine parks and in classrooms throughout the county.

Dungeness Crab Stewardship

2009 Accomplishments

Gravid Female Dungeness Crab Habitat Survey- After unforeseeable environmental challenges sidelined this project in 2008, data on productive gravid female Dungeness crab habitat is again being collected in Snohomish County waters by the Washington Department of Fish and Wildlife through the use of sample crab pots. The resulting data will be analyzed to create a series of maps which the Snohomish County MRC may use for projects in the future. While not part of the 2009-2011 NWSC grant, lead staff will continue working with MRC members to determine how to best use the data and potentially complete a report with Marjorie Moscher Schmidt funding based on the project findings.

Escape Cord Project- In 2009, WSU Snohomish County Beach Watchers and MRC volunteers directed outreach efforts toward recreational Dungeness crabbers in an effort to increase use of escape cord on crab pots. Through efforts at boat launches during the 2009 crabbing season, volunteers directly reached over 1000 recreational crabbers, handing out the Escape Cord Card and free samples.



Above: Gravid female Dungeness crab holding up to 2.5 million fertilized eggs



Left: Derelict crab pots being removed from Kayak Point Regional Park

2009 Work Plan Highlights

Derelict Gear Removal Project

Abandoned, lost, and discarded crab pots present harmful economic and environmental impacts on marine waters. In 2009, the MRC coordinated efforts with the Northwest Straits Commission to survey and remove derelict fishing gear in Port Gardner.

After the successful removal project in 2008, the study area off Jetty Island was revisited in 2009. A total of 195 targets were identified within range of a diver, of which 187 derelict pots were removed. Of the pots removed, 49 contained sea life, including 160 Dungeness crab, 12 red rock crab, a northern kelp crab, and 29 sea stars.

NWSC Benchmarks Achieved:

Marine Habitat, Education and Outreach, Science

Dungeness Crabber Education

In 2009, the Dungeness Crabber subcommittee began 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 upcoming 2010 crabbing season.

Comprised of Snohomish County MRC members, WSU Beach Watcher staff and volunteers, and a high school senior, the subcommittee drafted a poster which notes best management practices and will be displayed at sporting good stores and boat launches during the crabbing season. In addition, a nautical chart was planned for hand out at boat launches, which will feature reminders for best management practices and note potential hazards that increase the likelihood of pot loss.

Nearshore Habitat Protection & Restoration

2009 Accomplishments

Jetty Island Expansion Project- Pentec Environmental completed its report on this project, which was reviewed by the MRC in January 2009. While minor erosion is occurring along the length of the island, sediment from the southern tip, where the Army Corps of Engineers deposits materials dredged from the Snohomish River delta, is thought to be depositing along the northern portion of the island. This deposition is a process of natural systems and is creating vital habitat for plants and wildlife and recreation areas for visitors. By allowing the southern extension to nourish the northern berm area, the frequency with which placed sediments are required may also be reduced in the future. These and additional findings were presented at the April 15 MRC meeting by Jon Houghton of Pentec Environmental.

Creosote Piling Removal and Osprey Nest Relocation- Port Gardner holds claim to the largest osprey nest colony on the west coast, most of which nest on the creosote pilings in the bay. With the cooperation of the Washington Department of Natural Resources and Pilchuck Audubon Society, the MRC facilitated the installation of five new steel pilings and nest boxes between January 26 and January 30 to replace those removed during ongoing creosote piling removal efforts. An educational sign was placed at an overlook Legion Park in Everett detailing the project.



Above: A poster for the Kayak Point Visioning Workshop

2009 Work Plan Highlights

Kayak Point Regional Park Restoration

MRC Staff and Snohomish County Parks reviewed Coastal Geologic Services' (CGS) submitted 30% restoration design for the storm berm area. 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 guidelines for restoring the backshore area with native plants.

Snohomish County Parks and Recreation plans to incorporate CGS's restoration design with a recreation design to create a complete Park Design for the day use area of Kayak Point Park. Parks is using data from public comment surveys and a public workshop held in November 2009 to generate a vision statement and give guidance to the development of two recreation designs, which will be integrated with CGS restoration design.

Port Susan Marine Stewardship Area

The Port Susan Marine Stewardship Area Working Group includes the Northwest Straits Commission, Tulalip Tribes, Stillaguamish Tribe, the Snohomish and Island County Marine Resource Committees and others. The Working Group is scoping the feasibility of establishing a Marine Stewardship Area in Port Susan, focused on improving sustainable fisheries practices, bolstering nearshore habitat restoration & protection efforts, and coordinating effective public outreach for Port Susan landowners. The Working Group plans to create a coordinated communication network among Tribes, conservation groups, stakeholders, and government agencies to obtain on-the-ground results that benefit Port Susan's marine resources.

NWSC Benchmarks Achieved: Marine Habitat, Science, Education and Outreach

Marine Water Quality

2009 Accomplishments

Mussel Watch Program- In August 2009, the Snohomish County MRC added three more sites to the Mussel Watch program at Hermosa Point, Edmonds Marina and Everett Cemex, making a total of eight sampling sites within the county. Adding more sites from a wider range of areas should result in a more complete picture of Snohomish County water quality. Also, the chemical and metal analysis report was received for the 2007-2008 sampling dates.

Water Quality Data Compilation- the MRC and Tetra Tech, Inc. initiated an investigation and collection of data from existing marine water quality monitoring programs. A report was compiled by Tetra Tech, Inc. summarizing the findings, which concluded that Snohomish County Surface Water Management (SWM) and Washington State Department of Ecology maintained the largest and most accessible databases for water quality information in Snohomish County for access in the future. Unfortunately, data gaps exist where it is not readily available from the existing format, is in differing units than the majority of other data, or is simply limited in its extent of time or space.



Above: Collecting mussels at the Mukilteo Ferry Mussel Watch site



Left: A volunteer collecting mussels at the Everett Harbor Mussel Watch site

2009 Work Plan Highlights

Snohomish County Mussel Watch

The Snohomish County MRC staff and volunteers, Washington Department of Fish and Wildlife Puget Sound Assessment and Monitoring Program (PSAMP), Washington Sea Grant, and volunteers from seven local partner organizations began a partnership in the second half of 2009 to perform sampling at all 26 NOAA Mussel Watch sites in Washington during the winter of 2009-2010. Funded by the Puget Sound Partnership, the successful Snohomish County MRC citizen science model of sampling was used as the basis for the training program. Current MRC staff and former WCC IP, Amy Johnson, began work on a training program for the local volunteer groups, which they will lead beginning in 2010.



Above: Collecting data for the Mussel Watch Program

NWSC Benchmarks Achieved: Science, Education and Outreach, Marine Water Quality

Administrative Tasks

MRC Meetings and Communication

2009 has been a year of transition for the Snohomish County MRC. Former Marine Steward and MRC Lead Staff, Stef Frenzl moved to a new position with Snohomish County and a new lead staff was hired. Kathleen Herrmann began work in October 2009 and continues to work to ensure a smooth transition. Additionally, Snohomish County was able to procure a Washington Conservation Corps Individual Placement (WCC IP), Andrea Hennings.

MRC Staff have worked to arrange and staff MRC meetings, facilitate logistics, and write meeting minutes for 2009. 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 27, March 27, April 24, May 29, June 26, July 31, August 28, September 25, and December 4, 2009.

Five Snohomish County MRC members and the current MRC staff attended the NWSC conference in Bellingham, WA on November 6-7, 2009.

Grant Administration

MRC Staff drafted and submitted progress reports to the Northwest Straits Commission and developed and tracked the MRC budget. The Snohomish County MRC is waiting for the County Executive to sign the 2009-2011 NWSC Grant.

MRC Web Site

The MRC website was updated and organized upon the arrival of new project staff. New content was added regarding MRC member biographies, meeting dates, current and past events, and contacts. Staff began to explore the development of a new MRC website on an independent server to facilitate the use of more technologically and graphically advanced webpage software.

Training

See Attachment A for details.

Accomplishments

A new Marine Steward and WCC IP were hired to fill the vacated positions. The addition of Kathleen Herrmann and Andrea Hennings will refocus and renew interest and involvement in MRC related projects and foster new connections between the MRC, Northwest Straits Commission and regional project partners such as WSU Snohomish County Extension Beach Watchers and People for Puget Sound.

The MRC began to develop a strategic plan designed to guide current and future MRC efforts and projects. The strategic plan is currently in draft format. The MRC will finalize this plan in 2010.

Mike McHugh was appointed to the MRC in May 2009 to represent the Tulalip Tribes.

Brent Hackney was appointed to the MRC in May 2009 to represent economic interests.

Keeley O'Connell was appointed to the MRC in May 2009 to represent conservation interests.

Opportunities for Improvement in 2010

Administrative

Staff was limited during 2009, which led to minor delays in projects and reporting. By hiring a new MRC Lead Staff/Marine Steward and WCC IP, the MRC will see a renewal of interest in projects by members, project partners, and the public.

The 2009-2011 NWSC Grant was not signed by the NWSC or the County Executive in 2009 due to previously mentioned delays, including the staffing transition. The approval form is expected to be signed in early 2010.

The website software currently used by the MRC is less advanced than is currently used by the NWSC. Therefore, the MRC would like to create a new site on a separate server in the coming year.

WSU Beach Watchers

As the MRC and WSU Beach Watchers reach their 5th year of partnership, 2009 was a time to revisit and assess the most important ways WSU Beach Watchers can further the shared goal of protecting and restoring Snohomish County's marine resources over the next five years.

Dungeness Crab Stewardship

2010 will be the year to launch and test the new recreational crabber education program. By leveraging the resources of a Washington Conservation Corps staff member, an energetic subcommittee and dedicated project leadership, we will work to fine tune this project after the summer pilot is over.

Creosote Piling Removal and Osprey Nest Relocation

During implementation of the project, problems encountered included higher than expected mobilization costs, establishment of property ownership, and weight restrictions on the contractor's equipment used to drive in the new pilings. While the project was successfully completed earlier than expected, in the future, land ownership and equipment limitations will be assessed earlier within project timelines to reduce the possibility of complications.

Kayak Point Regional Park Restoration

While canvassing reached 556 households surrounding Kayak Point, it was not successful in drawing community members to the visioning workshop, nor was it an efficient means of communication in rural neighborhoods. Future efforts will focus on posters and mailings to reach the desired participants.

The deliverables the consultant submitted on December 30, 2009 to the MRC are currently under review; however, the initial assessment is that the design drawings and specifications are not sufficient to develop a bid package. Snohomish County will submit a comment disposition and resolution form to the consultant in 2010. Depending upon the consultant's response, more money may need to be devoted to project design to develop the documents and plans necessary to create a 100% design and bid plans and specifications. Assessment of how Snohomish County Surface Water Management engineering staff can assist with this effort will also take place in 2010.

Marine Water Quality

Mussels were shipped to the labs in Styrofoam coolers for the first fiscal year 2009 sampling. One cooler arrived broken and leaking, and TDI Brooks recommended purchasing plastic coolers for shipment of future samples.

Chemical analysis determined the Hat Island site is located on creosote pilings, and is not appropriate for sampling mussels. Alternative sites in the vicinity will be explored in January 2010.

Original communication with NOAA instructed Snohomish County to take samples for chemical analysis. Continued discussions with NOAA in December 2009 determined histopathology and gonadal indexing is also required for all collections to be consistent with their protocols. The impact on the MRC budget will be evaluated in 2010.

The Eide Road site was not sampled due to a lack of mussels and will not be collected until populations rebound.

Recommendations to Snohomish County Executive & Council

The following recommendations are presented 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 for the Marine Resources Advisory Committee
2. Provide continued staff support for the MRC.
3. Endorse the MRC's role in the Port Susan Marine Stewardship Area (MSA) Working Group, which will work to establish a community-supported MSA resulting in policy actions and on-the-ground activities.
4. Prioritize marine resource stewardship in departmental work plans, budget development, and local and regional initiatives, such as transportation and economic development.
5. Adopt the Snohomish County Shoreline Management Program.
6. Ensure that 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. Encourage citizen involvement in marine resource monitoring and protection opportunities.
2. Expand partnerships with agencies, tribes, municipalities, universities, community colleges, non-profit organizations and citizen groups.

Dungeness Crab Stewardship

1. Expand partnerships with agencies, tribes, municipalities, universities, community colleges, non-profit organizations and citizen groups to

protect and restore Dungeness crab habitat and develop appropriate harvest regulations.

2. Support statewide development of a Priority Habitat & Species designation for Dungeness crab habitat

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. Support efforts to address the impact of climate change and anticipated sea level rise on marine resources, in addition to landowners living along the marine shoreline.
4. Support the restoration of the nearshore habitat at Kayak Point Park
5. Support the full restoration of Smith Island Tidal Marsh Restoration Project

Marine Water Quality

1. Examine the threat of oil spills to Snohomish County marine resources.
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. 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, MRC Co-Vice Chair, City of Lynnwood, Environmental and Surface Water Manager
Dena Peel, MRC Co-Vice Chair, Snohomish County PUD, Executive Account Manager
Mary Cunningham, MRC Chair, 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
Keeley O'Connell, People for Puget Sound, Restoration Ecologist
Chrys Bertolotto, WSU Beach Watchers-Snohomish County Coordinator, Ex Officio position

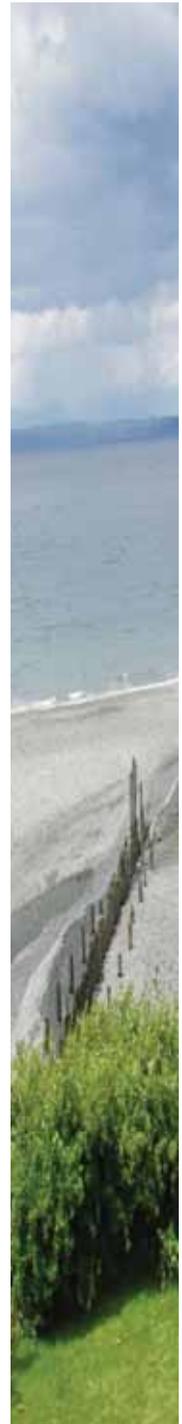
Partial 2009 Term MRC Members:

Daryl Williams, Tulalip Tribes, Environment Dept. Director
Kirby Johnson, Volunteer Diver, Edmonds Underwater Park
Jen Sevigny, Stillaguamish Tribe, Wildlife Biologist (Alternate: Francesca Perez, Conservation Biologist and Outreach Coordinator)

WSU Beach Watchers- Snohomish County

Brenda Adair Taylor
Jerry Anderson
Chuck Armstrong
GayLynn Beighton
Fred Benedetti
Chris Betchley
Kari Black
Bernie Busch
Mauricio Calderon
Dick Carlson
Mary Carlson
Brian Chittick
Safaa Darwish
Pam David
Terry Dewitt-Dunshee
Joan Douglas
Carol Forsberg
Harlen Forsberg
Stef Frenzl
Pat Fritch

Tom Fritch
Mary Hamann
Maureen Hoban
Tom Hoban
Duane Hoekstra
Sue Hoekstra
PJ Juttner
Barbara Keithly
Judy Killian
Elaine Knapp
Joy Lynch
Doris Maahs
Denise Mannery
Kristine Manz
Janice Martin
Bob McCort
Lynn McCort
Nancy McDonald
Tully McHaffie
Thomas Murphy



Judy Ness
Laurel Nyquist
James O'Neill
Bob Overstreet
Becci Oxner
Cindy Ridgeway
David Ridgeway
John Roper
Judi Schwarz
Pat Smith
Carol Williams

Public Involvement and Education

WSU Snohomish County Extension Beach
Watchers
Scott Chase, WSU Camano Island Beach
Watchers
Michele Boyd, Westgate Elementary,
Edmonds School District
Owen Caddy, City of Edmonds Beach
Rangers
David Duggins, UW Friday Harbor
Research Labs
Kraig Hansen, City of Everett Parks
Department
Nancy Hasler, Totem Falls Elementary,
Snohomish School District
Amy Johnson, Center for Service Learning,
Edmonds Community College
Sally Lider, City of Edmonds

Dungeness Crab Stewardship

Tom Murphy, LEAF Program, Edmonds
Community College
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
David Meister, Washington Department of
Fish and Wildlife
George Peterson, Washington Department
of Fish and Wildlife

Nearshore Habitat Protection and Restoration

Snohomish Camano Eco-Network
Naval Station Everett Jetty Island
Volunteers
United Way Day of Caring Volunteers
Graham Anderson, Port of Everett

Tracey Sofian
Laura Spehar
Kathe Stanness
Jacquelyn Styrna
Caroline Tarpley
Susan Tarpley
Phillip Taylor
Ann Uhl
Fran Van Roekel

Linda Lyshall, Puget Sound
Partnership
Cynthia McIntyre, Everett High
School
Curt Moulton, Snohomish
County/WSU Extension
Kirby Schaufler, Cedarcrest Middle
School, Marysville School
District
Ann Boyce, Stillaguamish-
Snohomish Fisheries
Enhancement Task Force
Keeley O'Connell, People For
Puget Sound
Francesca Perez, Stillaguamish
Tribe
Maria Calvi, Tulalip Tribes

Jeff June, Natural Resources
Consultants, Inc.
Mike McHugh, Tulalip Tribes
Cathy Stanley, Tulalip Tribes
Paul Dinnel, Skagit MRC/Shannon
Point Marine Center
Jennifer Hernandez, University of
Washington
Bruce Higgins, Edmonds
Underwater Park

Amrita Candela-Beal, Naval
Station Everett
Rick Dinicola, US Geological
Survey



Tracy Fuentes, US Geological Survey
Hugh Shipman, Washington Department of Ecology
Les Hastings, Naval Station Everett
Jerry Heller, Port of Everett
Jon Houghton, Pentec Environmental
Tarang Khangaonkar, Pacific Northwest National Laboratory/Battelle

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

Marine Water Quality

WSU Snohomish County Extension Beach Watchers
ORCA Program Students, Everett Community College
Alan Mearns, NOAA

Lynn Schneider, WA Department of Health/Ecology
Ginny Broadhurst, Northwest Straits Commission
Robert Plotnikoff, Tetra Tech

Data Compilation and Analysis

Snohomish Camano Nearshore Cooperative Members
Snohomish Basin Salmon Recovery Forum
Allison Bailey, Sound GIS
Betty Bookheim, Washington Department of Natural Resources
Duane Bowman, City of Edmonds
Cinde Donoghue, Washington Department of Ecology
Dennis Gregoire, Port of Everett
Jason Griffith, Stillaguamish Tribe
Jon Houghton, Pentec Environmental
Peter Namtvedt Best, City of Bainbridge Island
Jim Norris, Marine Resources Consultants
Tony Petrillo, Blue Water Engineering Services

Dan Penttila, Washington Department of Fish and Wildlife
Allison Reak, Landau Associates
Darren Syverson, Survey Volunteer
Paul Szewczykowski, Survey Volunteer
Curtis Tanner, U.S. Fish and Wildlife Service
Chris Townsend, Sound Transit
Jacques White, The Nature Conservancy
Gary Wood, Island County MRC/Regional Forage Fish Coordinator
Todd Zackey, Tulalip Tribes

Snohomish County Staff Members & Elected Officials

Public Works Department, Surface Water Management Division

Debbie Terwilleger, Director
Mike McGuinness, SPA Supervisor
Dave Ward, Principal Watershed Steward
Kathleen Herrmann, MRC Lead Staff
Stef Frenzl, MRC Lead Staff (former)
Andrea Hennings, WCC IP
Mike Tillotson, WCC IP (former)
Sean Edwards, Senior Planner
Arden Thomas, Senior Habitat Planner

Laura Audette, GIS Analyst
Suzy Brunzell, GIS Analyst
Jake Jacobson, Watershed Steward
Scott Moore, Native Plant Steward
Suzi Wong Swint, Senior Planner
Tim Walls, Senior Planner
David Lucas, Engineer
Craig Garric, Engineer



Department of Parks and Recreation

Tom Teigen, Parks Director
Ken Alskog, M&O Supervisor
Jack Davidson, Senior Park Ranger
Doug Dailer, Park Ranger
Pat Kenyon, Principal Park Planner

Dale Kolbe, Habitat Steward
Marc Krandel, Planning Supervisor
Sharon Swan, Senior Planner
James Yap, Senior Planner
Chris Mueller, Senior Planner

Snohomish County Executive

Aaron G. Reardon

Snohomish County 2009 Council

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

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

MRC Members received the following training sessions:

- **Ocean Research College Academy (ORCA) Citizen Scientists- Ardi Kvenen & ORCA students**
January 21, 2009
Attendees: Jerry Masters, Daryl Williams, Thomas Hoban, Chrys Bertolotto, Mary Cunningham, Lincoln Loehr, Jared Bond, Dena Peel and public
- **Puget Sound Georgia Basin Research Conference**
February 8-11, 2009
Attendees: Stef Frenzl
- **Smith Island Restoration, Craig Garric & Tim Walls**
February 18, 2009
Attendees: Jerry Masters, Mike McHugh, Chrys Bertolotto, Mike McHugh, Mary Cunningham, Lincoln Loehr, Jared Bond, Dena Peel, Stef Frenzl and public
- **COSEE Citizen Science Mini-Conference**
April 10-11, 2009
Attendees: Stef Frenzl, Mike Tillotson, Chrys Bertolotto
- **Jetty Island Restoration Monitoring- Jon Houghton, Pentec Environmental**
April 15, 2009
Attendees: Jerry Masters, Kirby Johnson, Daryl Williams, Thomas Hoban, Mary Cunningham, Lincoln Loehr, Jared Bond, Dena Peel, Stef Frenzl and public
- **Pacific NW Society of Environmental Toxicology and Chemistry 18th Annual Meeting**
April 16-18, 2009
Attendees: Lincoln Loehr
- **Toxicology & Chemistry in Puget Sound Update- Lincoln Loehr**
May 20, 2009
Attendees: Thomas Hoban, Mike McHugh, Keeley O'Connell, Brent Hackney, Mary Cunningham, Lincoln Loehr, Jared Bond, Stef Frenzl and public
- **NWSC Conference**
November 6-7, 2009
Attendees: Kathleen Herrmann, Andrea Hennings, Mary Cunningham, Lincoln Loehr, Thomas Hoban, Keeley O'Connell, Jerry Masters
- **Mussel Watch Training- Amy Johnson**
December 10, 2009
Attendees: Kathleen Herrmann, Andrea Hennings, Lincoln Loehr