



# Ebb Tide



Vol. 14, Issue 3    The Newsletter of WSU Snohomish County Extension Beach Watchers    APRIL 2019

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*WSU Snohomish County Extension Beach Watchers gratefully acknowledge the financial support from our partners.*



## Beach Watcher Gatherings

### Bi-Monthly Meetings

**Tuesdays at 10:00 AM –1:00 PM**

May 28th -McCollum Park (Kayak Point County Park Restoration / Improvement Plans)  
September 10 - Jennings Park (tentative presentation on BEACH sampling results)

### Monthly Beachwatchers' Breakfast

**NOTE NEW LOCATION!**

Glacier Lanes, 9630 Evergreen Way, Everett, phone # 425-353-8292

2nd Wednesdays at 9 am-10:30 am

April 10th

May 8th

June 12

July 10

## Bi-Monthly Meeting Guest Presenter

**Sharon Swan, Snohomish County Parks, Recreation and Tourism Dept.**

**Presentation: Kayak Point County Park - Future Plans**

**Location: McCollum Park**

**Date: May 28**

Several years ago, Beach Watchers were involved in the early stages of monitoring Kayak Point's beach conditions to inform possible beach restoration plans. The Parks Department is now moving forward with some changes to the park. Come learn what is planned. Chat with fellow volunteers, get the lowdown on the year ahead and bring your calendars to sign up for Beach Watcher projects! Lots going on, with many options to choose from. Anyone wanting to share a snack is welcome to bring one!



## Feature Article

### **Five-Phyla Stew: My Quarter at Friday Harbor Labs** ***By Sara Noland (Class of 2016)***

In spring of 1988, I packed up my brand new blue Helly Hansen rain gear, my new rubber hip waders, and my shiny new dissecting kit and set off from Seattle for the Anacortes ferry to San Juan Island. I had been accepted for a quarter of undergraduate studies at the University of Washington's Friday Harbor Laboratories, where I was enrolled in marine invertebrate zoology and marine botany classes. The "zoobot" classes were 400-level courses for seniors, and I knew I was in for an intellectual challenge, in classes with oceanography majors and pre-med students. I didn't realize that my three months at FHL would also be an emotional landmark for me, a time when I realized I would always feel most at home on the shores of the Salish Sea.

I grew up in the Seattle area and my family took trips to the beaches at Westport and Long Beach, places where us kids could dig in the sand and run to the next piece of driftwood far down the shore. But I had never been to the San Juan Islands. So I was nervous when I arrived at the town of Friday Harbor and navigated my AMC Concord on the short drive out to the labs.

The FHL campus had several cottages for students so we could live near the lecture hall, laboratory, supply room, and library. The cottage I shared with other students was a rustic log structure, set back from the shore among Douglas fir trees. It had a basic kitchen and bathroom, and everything about it was well worn. No one I knew had a portable phone, let alone a cell phone, in 1988, and one of my fond memories is talking to my parents from the pay phone booth in the forest. In the mornings before class I'd take a long walk in the woods behind the cottages, discovering new paths that led out between the trees to rocky coves where I could relax and listen to the waves. Or I'd strike out inland, finding an enormous, twisted Douglas fir on top of a hill overlooking the bay, or boulders covered with deep, soft moss.

While the forest around the labs was dense and mysterious during my stay, a century earlier it had likely been a prairie, maintained as open grassland by Native Americans who may have harvested camas and other bulbs there. In the 1870s, following the end of the British-American contest over which nation owned the San Juan Islands (known as the Pig War), the U.S. Government set aside the land that would later become FHL as a military reserve. There is evidence the site was used for sheep grazing in the late 1800s, then left to gradually grow in with conifers.

Biologists from the University of Washington began teaching marine biology classes at Friday Harbor in the early 1900s, although at a different site than today's FHL. Students came from other colleges across the country to attend summer sessions, living in tents and taking field trips around the San Juan Islands. In addition to providing advanced undergraduate studies in marine biology and a place for research, the labs offered courses for grade school teachers. Many of the students were women, and I enjoy imagining them tromping around beaches in

skirts and boots, getting mud in their hair and loving every minute. This quote about the 1904 summer course from a history of the labs is telling: “No formal classes are taught [in 1904], but 6 weeks of summer field studies are begun with about a dozen students - at least during low tides, the breakfast bell rings at 4 am and work starts at 4:30 am. The laboratory is outside on a 3 x 10 foot table set under a fir tree” (Mills et al. 2010). In 1988 I had a heated cottage, soft bed, and indoor labs, but I still felt life at FHL to be quiet and simple, with a lot of time spent outside or in reading.

With the popularity of the summer classes increasing each year during the early 1900s, the university needed a larger, better situated site with more permanent facilities. In 1921 the federal government granted the former military reserve of over 400 acres to the university, and this property has been the location of Friday Harbor Labs ever since.

Of course the facilities at FHL have grown and modernized with the times. Reading about the new kinds of high-tech microscopes and other research tools the labs have acquired since I was a student is amazing. (The labs were just getting started with email in 1988.) According to the FHL web page, there are about a hundred visiting scientists and twenty resident scientists at the labs each year, studying a fascinating range of subjects from genetics and microbiology to shoreline restoration and ecosystem function. For example, if you're interested in sea stars, I highly recommend this article by FHL researchers about CT scanning of the stars' bony structures (the images are gorgeous):

<http://depts.washington.edu/fhl/tidebites/Vol66/index.html>

My undergrad research project at FHL was pretty low-tech. I studied parasites in periwinkle snails, the small purple snails common to the rocky intertidal zone. I remember spending time among the rocks at False Bay, an extensive shallow bay the UW purchased as a research site in 1974. It has large mudflats ringed by a rocky shore where I found my snail subjects. I remember being in the lab late one night, examining snails under the microscope, when several other students burst in through the doors, breathless and talking wildly. I found out they had just been to the McMillan Mausoleum at the other end of the island near Roche Harbor, where they had scared themselves silly walking around the stone pillars in the dark.

We had daily lectures and class time in the lab as well as many field trips around the island. My brand new dissecting tools were rusty from salt water by the end of the course. Our lab benches with microscopes were placed along the sides of the lab, with flow-through seawater tanks down the center so we could observe live creatures. In addition to our regular biology and botany instructors we had guest lecturers. One I remember well was Eugene Kozloff, author of several beloved field guides and an instructor for the zoobot course since 1973. He was of short stature, with a balding head and so much energy! In 2017 Dr. Kozloff passed away at the age of 96. During the last part of his life he worked out of the Shannon Point Marine Station in Anacortes run by Western Washington University.

Another guest speaker was Bastiaan Meeuse, author of “The Story of Pollination.” Along with his lecture we viewed the film “Sexual Encounters of the Floral Kind,” for which Dr. Meeuse had been a consultant. Best of all, this tall, bearded figure had been my father's graduate

advisor at UW. My dad's thesis was on the voodoo lily, one of the group of plants that, like the more infamous corpse flower, generates heat and a stench during its reproductive phase. Dr. Meeuse died in 1999 at the age of 83. I'm grateful to have met both of these wonderful scientists and teachers.

We spent the last week of the zoobot course on an extended field trip to Botany Bay on the northwestern side of Vancouver Island. Shortly before we left the Friday Harbor campus for Canada, everyone gathered in the dining hall for five-phyla stew. I'm pretty sure about four of the phyla: Mollusca (clams or mussels); Arthropoda (shrimp or crab); Echinodermata (sea cucumber); and Sipuncula (peanut worms). The fifth phylum escapes me—I know there was a savory sauce with vegetables, so maybe we were allowed to count phyla from the plant kingdom as well.

My husband took the zoobot course in 1989. We return to Friday Harbor as often as we can, revisiting our favorite beaches, False Bay, Cattle Point, American Camp, English Camp. When I walk on rain-soaked cobbles, hear the hissing of waves on gravel, smell salt and kelp, I still breathe deeply and think, "Yep, I'm home."

Friday Harbor Laboratories is hosting a public open house on May 11, 2019. For more information go to <https://fhl.uw.edu/about/news-and-events/2019/03/08/fhl-open-house-may-11-2019/>

## References

Claudia E. Mills et al. 2010. Historical Centennial Timeline for the University of Washington's Friday Harbor Laboratories, 1903 – 2010.

<https://faculty.washington.edu/cemills/FHLSTimeline.html>

Columns, The University of Washington Alumni Magazine, December 1999 issue. Bastiaan Meeuse. <http://www.washington.edu/alumni/columns/dec99/meeuse.html>

Eugene Nicholas Kozloff obituary.

<https://www.legacy.com/obituaries/skagitvalleyherald/obituary.aspx?n=eugene-nicholas-kozloff&pid=184376577>

Friday Harbor Laboratories web page. <https://fhl.uw.edu/>

San Juan Islander, March 19, 2017. Remembering Koz (Eugene N. Kozloff 1920 – 2017).

<https://sanjuanislander.com/obituary/24351/remembering-koz-eugene-n-kozloff-1920-2017>

Schroeder, Tom. 2007. Rediscovering a Coastal Prairie near Friday Harbor. Forest Info for the San Juan Islands. <http://www.rockisland.com/~tom/LostPrairie.html>. Originally published in Pacific Northwest Quarterly 98(2):55-63.



## Educational Opportunities

### Events at Adopt-A-Stream Foundation and NW Stream Center McCollum Park, 600 – 128th Street SE, Everett, WA 98208

For information on events check the website [www.streamkeeper.org/events](http://www.streamkeeper.org/events). Most events need reservations and may involve a small fee. Contact information at 425-316-8592 and [aasf@streamkeeper.org](mailto:aasf@streamkeeper.org)

### Advanced Water Quality Training Opportunities

**BEACH Water Quality Training:** April 15, 10 AM - 1 PM, Mukilteo Rose Hill Center and Lighthouse Park

**Mission Beach Sampling Training:** April 30th, 10 AM - 1 PM (plus optional Hatcher Tour)  
Tulalip Reservation Administration Building

Summer is just around the corner, with ramped up public use of our marine beaches for all kinds of family fun! We support both the Tulalip Tribes and Washington State's efforts to monitor the health of these waters for bacterial contamination, which can pose health risks to humans. Sampling happens every week between Memorial and Labor Day on Mondays or Tuesdays to prepare for the busy weekends.

The trainings include classroom sessions with a field sampling experience. Please sign up with the following team leaders:

BEACH - 4/15: Tim Ellis (Class of 2015)

Mission Beach - 4/30: Lynn Lichtenberg (Class of 2011)

### BioChar Available at Arlington Garden Club Plant Sale Saturday, May 11th 9:30 AM to 1 PM 3rd & Olympic, Arlington Courtesy of Judy Ness

Those of you who have been around for awhile may have heard Norm Baker PhD. speak on the benefits of Biochar for your garden and its many uses for the environment.

Judy Ness, Class of 2006, has been pushing the benefits of Biochar in the garden to her garden club members and now has many "believers". Biochar is not easy to find, and now Judy has found a source for biochar on this side of the Sound.

If you want to enhance your lawn and/or garden come up to the sale and purchase Biochar. Try it, you may like it.

**Advanced Intertidal Monitoring Training**  
**May 13, 9:30 AM - 1:30 PM**  
**Rosehill Community Center and Mulkiteo Lighthouse Park**

Intertidal Beach Characterization monitoring is an ongoing assessment of local beach conditions that can inform how our beaches are changing over time. This training provides a classroom overview on monitoring methods and a chance to practice the monitoring procedures. It is highly recommended for all new volunteers, and for veterans who would like a refresher. Please contact Paul Granquist (Class of 2012) to sign up or get more information.

**The Art of Science: Pressing Marine Greens**  
**Where: Crane's Castle Brewing, 1550 NE Riddell Rd #180, Bremerton, WA**  
**When: Tuesday May 28th, 6-8:30 PM**

You may have pressed flowers, but have you ever pressed seaweed? Join WDFW biologist Nam Sui as he guides us through the fascinating biology of local seaweeds and seagrasses through the art of seaweed pressing. Create your own coastal art while learning about the seaweeds that surround us. Once your artwork is pressed and dried, you will receive your masterpiece by mail. Participants are invited to sip on locally brewed beer and kombucha with your friends and family while engaging in this educational art-science workshop. All ages are welcome.

SPACE IS LIMITED FOR PRESSING MARINE GREENS, SO REGISTER TODAY! Register at <https://www.brownpapertickets.com/event/4202683>

This event is made possible through partnerships with WSU Kitsap County Extension, WA Department of Fish and Wildlife, SEA Discovery Center, and Crane's Castle Brewing. Contact: Amy Brodbeck, WSU Kitsap County Extension, [abrodbeck@co.kitsap.wa.us](mailto:abrodbeck@co.kitsap.wa.us) or 360-337-7157 # 6272

**Oil Spills 101**  
**Volunteer HAZWOPER Training Materials**

From the HAZWOPER training team: Thank you so much for your time at the 2019 Wildlife Volunteer HAZWOPER Training in Port Angeles and Everett. **We have made available some of the training presentations.**

Disclaimer: If you would like to reproduce these for other use, please request permission from Nhi Irwin at <http://nhi.irwin@ecy.wa.gov>

Contents:

State Volunteer Management Programs

Safety Training  
Case Study: Rotterdam Response Bow Jubail  
Northwest Area Contingency Plan and Incident Command System  
ICS Organization Chart and Planning P  
List of Additional Resources

View Wildlife Volunteer HAZWOPER training materials at  
<https://www.oilspills101.wa.gov/wildlife-volunteer-hazwoper-training-materials/>

## Volunteer Opportunities

### Environmental Education Youth Field Trips Bringing the Kids to the Beach!

Spring time low tides are clumped into three different low tide cycles. We have lots of demand and it can only happen with your help. For those who are uncertain about how this works, you are paired up with a fellow Beach Watcher / Beach Naturalist to lead a station with smallish groups of 20 – 25 kids and chaperones, using talking points to guide your session. We'll be at either Kayak Point or Mukilteo Lighthouse Park, and parking is free.

This is fun, high energy and always satisfying. Every year, I am stunned by how many students have NEVER been to the beach, and how many MORE had no idea about all the marine life that we share the shoreline with. Come and share your wonder.

Schools are still sending in applications, so please let Chrys (Chrys@wsu.edu) know if you can attend ANY of these dates. Please sign up to help out!





<b>Schedule for Youth Field Trips</b>				
<b>Date</b>	<b>Time Period</b>	<b>Low Tide</b>	<b>Mukilteo Lighthouse Park</b>	<b>Kayak Point</b>
5/6 (Mon)	11:30 AM - 1:30 PM	-1.5'	College Place Elementary (5th grade)	Stanwood Camano (5th Grade)
5/7 (Tues)	12:00 PM - 2:00 PM	-1.9'	Woodin Elementary (4th grade)	Lakewood Elementary (2nd grade)
5/20 (Mon)	11:30 AM - 1:30 PM	-2.3'	Riverview Elementary (3rd graders)	Maltby Elementary (k-5th grade)
5/21 (Tues)	12:00 PM - 2:00 PM	-2.1'	Challenger Elementary (kindergarteners)	Marshall School (2nd graders)
6/3 (Mon)	10:30 AM - 12:30 PM	-2.3'	Woodin and Totem Falls Elementary (4th and First graders)	Kent Prairie (2nd Grade)
6/4 (Tues)	11:00 AM - 1:00 PM	-2.8'	Wellington Elementary (1st graders)	Cougar Creek / English Crossing and Garfield (preK, 3rd & 4th graders)
6/6 (Thurs)	1:00 PM - 3:00 PM	-2.9'	Immaculate Conception (various grades)	Marshall Elementary (2nd graders – different than those on 5/21!)
6/17 (Mon)	10:30 - 12:30 PM	-2.4	Stevens Creek Elementary (3rd grade) tentative)	NO FIELD TRIP

**First Picnic Point Beach Clean-up  
Saturday, April 13, 9:30 AM**

**BREAKING NEWS – RAIN DOES NOT STOP BEACH CLEANUP**

On Saturday, April 13th 6 Beach Watchers or Naturalist, plus one guest, collected some 75 pounds of trash from the parking lot and beach at Picnic Point. This was our first clean-up at this beach and our first Saturday event. Everyone agreed it was a worthwhile event, in-spite of the rain. Look for future Saturday clean-up dates in the Newsletter.

Due to popular demand for additional beach clean-up locations, and, more Saturday events, we are happy to announce a **new beach clean-up**. Picnic Point was chosen as the site for our newly expanded program. Join fellow Beach Watchers and Naturalist picking up trash and

debris to prevent them from getting into the Salish Sea. We'll meet in the parking lot at Picnic Point Park in Snohomish County. Make sure to dress for the weather and bring plastic coated garden gloves and pickers if you have them, otherwise we'll have some of both on hand]. While we won't be in the water, there is a shallow creek that divides the beach into North and South halves. We'll likely be on the beach for an hour or two. Please sign up with Dave Compton (Class of 2010) via e-mail or at 425-220-5684.

### **Kayak Point County Park Beach Earth Day Clean Up Monday, April 22, 12 PM**

Journey to our most northern beach to collect trash along the shores of Port Susan. This lovely park has it all - bluffs, picnic shelters, sand and gravel beaches - who knows what else you'll find. Sign up with Sandy Evans (Class of 2012). Meet at the building on the Pier.

### **Howarth Beach Wrack Survey 1127 Olympic Blvd, Everett. Tuesday, April 23, 10 AM.**

Estimated time: 2.5 to 3 hours. Contact: Scott Calhoun (Class of 2016). No experience necessary. We will be identifying eel grass, marine algae, and human debris (plastics). The marine algae will be divided up into Ulva (sea lettuce), Fucus (rockweed), and other. So you don't need to be a crack marine algae ID genius to help us.

What's the Beach Wrack Survey about? Researchers from the University of Washington, State of Washington, and Snohomish County collected beach wrack data before the Howarth Park beach restoration and are now collecting post-project data. Our Beach Watchers are collecting post-restoration data so that the researchers will have a much better data set and their resulting conclusions will be much stronger. We all want to know if the beach restoration money is having the positive effect that we hope it is, and our collection efforts will contribute to this effort. Be sure to dress for the weather. We will meet at the lower parking lot.

### **Future Howarth Beach Clean Up Dates Announced**

Tuesday May 14 at 10 AM (Tide 3.2' at 11:40 AM)  
Tuesday July 9 at 10 AM (Low tide 8.0' 11:15 AM)  
Monday Sept. 2 at 11 AM (Low tide 1.4' 1:45 PM)  
Tuesday Nov. 2 at 10 AM (Low tide 5.4' 10:36 AM)

Contact: Dave Compton (Class of 2010) to sign up for beach cleanups, and also to suggest **even more beaches to work over.**



**Howarth Park Beach: Photo from City of Everett website**

## **Support the Core Beach Watcher / Beach Naturalist Training!**

**Help with Low Tide Training of New Beach Watchers and Beach Naturalists**  
**Saturday May 18th, 10 AM - 12 PM**  
**Edmonds Olympic Beach**

Come and join the newest Beach Watchers and Beach Naturalists as they explore the intertidal for the first time together. We'll be spending 9 AM – 10 AM doing the "Each One, Teach One" activity, but then we head out to this -1.7 low tide at 10 AM. It will be a roving exploration, and the more experienced folks there, the better the learning.

Please contact Chrys to RSVP for planning purposes.

## Intertidal Beach Characterization Schedule Announced



Photo courtesy of Charles LoPresti

Break out your knee pads and field guides! It's time to start the intertidal beach characterization assessments for 2019. We'll do exciting things like measure rocks, look through hand lenses to properly name whatever critters we find, dig for clams and worms, take elevation readings with surveying equipment ...all the way to the waters' edge. Even though we'll be looking at various pieces of the beach, the process has an amazing way of opening our vision to how all those parts play a role in creating the unique habitats that intertidal organisms need.

Contact Paul Granquist (Class of 2012) to sign up for as many dates as you can make. Please note that these surveys are driven and limited by tides so the more hands available, the more we can get done, and the more complete our data can be. If you've not attended a training or need a refresher, see the notice about the Advanced Training May 13 under Education Opportunities.

Survey dates are:

Monday	May 20	Picnic Point	(-2.2'	12:35 PM)	Start 10 AM
Wednesday	June 5	Mukilteo L. P.	(-3.0'	12:58 PM)	Start 11 AM
Tuesday	June 18	Howarth Beach	(-2.3'	12:12 PM)	Start 10 AM
Tuesday	July 2	Olympic Beach	(-3.0'	11:12 AM)	Start 9 AM
Tuesday	July 30	Edgewater Beach	(-2.3'	10:06 AM)	Start 8 AM
Thursday	Aug. 1	Kayak Point	(-3.0'	11:48 AM)	Start 9:30 AM



## Festivals – We're Changing Them Up! Save the Dates!



Tim Ellis at Rosehill – booth outreach, Mukilteo. Photo courtesy of Chrys Bertolotto.

Want to enjoy the festival atmosphere, share information about the Salish Sea landscape and creatures AND get a chance to connect with fellow volunteers? The festivals are definitely FUN and a chance to meet local residents where they are. Also, do you have any festivals / events you think we should attend? Put your name down for the events below, or share your ideas with Anne-ly Kahle or Andrea Massoni (Class of 2017).

Marysville Opera House (5/18 - fully staffed)

Aquafest – Lake Stevens (7/26 – 28)

Taste of Edmonds – Edmonds (August 9 – 11)

Evergreen State Fair – Monroe (some Friday or Saturday towards end of August)

Mukilteo Lighthouse Festival (9/6 – 8)

Got other events we should go to? Please let us know!



## 2019 Team Leaders Wanted!

We have a few projects that need some **volunteer leadership!** Each project team leader job description is reviewed and negotiated by staff and new team leaders, with staff providing support when and however is necessary. Team leaders typically handle volunteer coordination (reminders, registration tracking, 'day of' staffing or finding an alternate), being the main point of contact for staff (sharing needs, issues, successes), managing any equipment needed and serving as the primary point of contact for volunteers. Currently open leadership positions are indicated under the Working Group Leads section. Check with Chrys Bertolotto if you are interested in leading a project, or if you want to propose a new project.

### Working Team Leads

If you would like to get involved with any of these efforts, share your ideas or stay connected with the following activities, please contact the WSU Beach Watcher listed. If you are interested in any of these lead spots, please contact Chrys Bertolotto at (425) 357-6020 or [chrys@wsu.edu](mailto:chrys@wsu.edu).

Beach Cleanups: Ani Gothard Williams, Brooks Bennett and Dave Compton  
BEACH Program: Tim Ellis  
EBB TIDE Newsletter: Chuck LoPresti  
Edmonds Summer Naturalists: Nancy Engen  
Facebook Communications: Jim Traugott  
Festivals: Anne-Ly Kahle and Andrea Massoni  
Howarth Park Beach Wrack Surveys: Scott Calhoun  
Intertidal Beach Monitoring: Paul Granquist  
Kayak Point Beach Days: Sandy Evans  
Kayak Point Youth Spring Field Trips: **VACANT**  
Mission Beach Water Testing: Lynn Lichtenberg  
Monthly Breakfast: Bill McLaughlin  
Mukilteo Lighthouse Park Kiosks: Scott Montgomery (**looking for next lead!**)  
Mukilteo Lighthouse Park Naturalist Team: Tim Ellis and Linda Lambert  
Office Work Parties: Linda Lambert  
Online Calendar Notices: Carol Bradley  
Pre-School Library Readings: Jane Crawford  
Social Committee: **VACANT**  
Veterinary Clinic Outreach: Sara Noland  
Winter Naturalist Refresher Sessions: Dave Danley  
Youth Classroom Presentations: Kendra Schmiedeskamp

## Wish List for Snohomish County Beach Watchers



**Feature Articles by Beach Watchers.** You, too, can have your name in lights (or at least in print)! We want news items and photographs as well. Please contact Ebb Tide editor Chuck LoPresti (Class of 2013) for article guidelines and topic suggestions.

Please contact Chrys at [chrys@wsu.edu](mailto:chrys@wsu.edu) or (425) 357-6020 if you have **items or time** you want to donate to Beach Watchers.

Team leaders can also send in **wish list items** to assist with their projects by contacting Chuck Lo Presti (Class of 2013) to announce in the Ebb Tide.

## Chrys's Column

As many of you know, I'm originally from New Jersey, arriving here in 1991. I feel in love with the Atlantic Ocean and spent many hours on sandy beaches and body surfing through the waves. I have scars from my leg slipping through the rocks of a jetty and realized pretty early that the ocean call is heard deep in my soul.



I recently walked on to the Walla Walla Ferry to enjoy the ride between downtown Seattle and Bremerton. Whether I'm on the water exploring the nooks and crannies of our shorelines, standing on a wind-whipped shore in March, enjoying the varied shades of green out my office window or watching snow spiral to earth through our slate gray sky, I get such joy from the sense-filled experiences of region.

We are all working together to protect that which is already healthy and improve the parts of this ecosystem that need healing. It is important for each Beach Watcher to give of our time to share the story of this amazing place, collect the data that helps agencies better understand how it works and take personal actions – at home and in nature – to steward these resources.

Please go through this newsletter and contact team leaders and/or me to sign up. We especially need help with our more intense efforts doing intertidal beach characterization and teaching school groups about this place. I hope to see you at one of our upcoming events.

Chrys  
 Chrys@wsu.edu  
 (425) 357-6020

**Beach Watcher Member Section**

**Beach Watcher Basics**

	<b>Beach Watcher Breakfast!</b>	<b>Beach Watcher Facebook Page <a href="#">Like Us!</a></b>	<b>Beach Watcher Web Tools</b>	<b>Contributions to Ebb Tide</b>
<b>When Is It?</b>	Monthly, 2 <sup>nd</sup> Wednesday, 9 AM	ANY TIME!	24 Hours a Day, Every Day!	Submissions last day of the month. Don't be shy! Get your name in lights!
<b>How Can I Find It?</b>	Glacier Lanes, 9630 Evergreen Way, Everett	<a href="http://www.facebook.com/snohomishbeachwatchers">www.facebook.com/snohomishbeachwatchers</a>	<a href="http://extension.wsu.edu/snohomish/naturalresources/beachwatchers/volunteer-tools/">http://extension.wsu.edu/snohomish/naturalresources/beachwatchers/volunteer-tools/</a>	Arrives to your email almost every month
<b>Why Should I Care?</b>	Great conversations and getting to know fellow Beach Watchers!	Newsletters help organizations to stay together. Great way to Get and Share Information.	Find anything you need – events calendar, link to volunteer hour database, notices, flyers, great web links, and more!	The Ebb Tide is one of the main ways that volunteers get information. We want articles, events, photos, etc., from Beach Watchers. Contact the Ebb Tide editor for information.
<b>Want More Info?</b>	<b>See Working Group Lead or Team Leader Contacts above!</b>			

## Beach Watcher Highlights

<b>Date</b>	<b>Type</b>	<b>Event</b>	<b>Location/Time</b>
April 10	Social	Beach Watchers' Breakfast	<b>NEW LOCATION</b> , Glacier Lanes, Everett, 9 AM
April 13	Volunteer	Beach Cleanup	Picnic Point, 9:30 AM
April 15	Training	BEACH Water Quality	Rosehill Community Center and Lighthouse Park, 10 AM - 1 PM
April 22	Volunteer	Beach Cleanup	Kayak Point County Park, 12 PM
April 23	Citizen Science	Beach Wrack Survey	Howarth Park Beach, 10 AM
April 30	Training	Mission Beach Sampling Training	Tulalip Reservation Administration Building, 10 AM – 1 PM
May 6	Volunteer	Youth Field Trips	Mukilteo Lighthouse Park and Kayak Point, 11:30 AM – 1:30 PM
May 7	Volunteer	Youth Field Trips	Mukilteo Lighthouse Park and Kayak Point, 12 PM – 2 PM
May 8	Social	Beach Watchers' Breakfast	Glacier Lanes, Everett, 9 AM
May 13	Advanced Training	ITBC Monitoring Training	Rosehill Center and Lighthouse Park, Mukilteo, 9:30 - 1:30 PM
May 14	Volunteer	Beach Cleanup	Howarth Park Beach, 10 AM
May 18	Training	Low Tide Training - Naturalists Needed	Edmonds Olympic Beach, 10 AM - 12 PM
May 18	Festival	Outreach	Marysville Opera House, 5:30-8:30 PM
May 18	Festival	Drew Collins Lecture Event	Marysville Opera House, 5:30-8:30 PM
May 18	Festival	Aviation Days	Snohomish County Airport, Time TBD
May 20	Volunteer	Youth Field Trip	Mukilteo Lighthouse Park and Kayak Point, 11:30 AM – 1:30 PM
May 20	Citizen Science	Intertidal Beach Monitoring Begins	Picnic Point 10 AM
May 21	Volunteer	Youth Field Trip	Mukilteo Lighthouse Park and Kayak Point, 12 PM – 2 PM
May 28	Meeting	Regular Bi-Monthly Meeting	McCollum Park, Everett
May 31	Training	BW Training Last Day	Jennings Park, Marysville
May 31	Social		Parade of Beach Watchers
June 3	Volunteer	Youth Field Trip	Mukilteo Lighthouse Park and Kayak Point, 10:30 AM–12:30 PM
June 4	Volunteer	Youth Field Trip	Mukilteo Lighthouse Park and Kayak Point, 11 AM – 1 PM

June 5	Citizen Science	Intertidal Beach Monitoring	Mukilteo Lighthouse Park 11 AM
June 6	Volunteer	Youth Field Trip	Mukilteo Lighthouse Park and Kayak Point, 1 PM – 3 PM
June 12	Social	Beach Watchers' Breakfast	Glacier Lanes, Everett, 9 AM
June 17	Volunteer	Youth Field Trip	Mukilteo Lighthouse Park 10:30 AM – 12:30 PM
June 18	Citizen Science	Intertidal Beach Monitoring	Howarth Park Beach, 10 AM
July 2	Citizen Science	Intertidal Beach Monitoring	Edmonds Olympic Beach 9 AM
July 9	Volunteer	Beach Cleanup	Howarth Park Beach, 10 AM
July 10	Social	Beach Watchers' Breakfast	Glacier Lanes, Everett, 9 AM
July 26-28	Festival	Outreach	Aquafest, Lake Stevens
July 30	Citizen Science	Intertidal Beach Monitoring	Edgewater Beach, 8 AM
Aug. 1	Citizen Science	Intertidal Beach Monitoring	Kayak Point, 9:30 AM
Aug. 9-11	Festival	Outreach	Taste of Edmonds
End of August	Festival	Outreach	Evergreen State Fair, Monroe
Sept. 2	Volunteer	Beach Cleanup	Howarth Park Beach, 11 AM
Sept. 6-8	Festival	Outreach	Mukilteo Lighthouse Park
Sept 10	Meeting	Regular Bi-Monthly Meeting	Jennings Park, Marysville
Nov. 2	Volunteer	Beach Cleanup	Howarth Park Beach, 10 AM

## In the News

New species of killer whale in the Southern Ocean?

<https://www.seattletimes.com/seattle-news/environment/scientists-find-new-type-of-killer-whale-off-coast-of-chile-after-14-year-search/>



## **WSU Snohomish County Extension Beach Watchers**

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